



Building knowledge

Job Order Contract Construction Task Catalog®

Book 1 CSI Divisions 01 - 43 November 2022

County of San Mateo
Mechanical



GORDIAN®

This Page Intentionally Left Blank

00 Using The Construction Task Catalog®	1
<hr/>	
01 General Requirements	1
01 20 Price and Payment Procedures	1
01 22 Unit Prices	1
01 30 Administrative Requirements	34
01 31 Project Management and Coordination	34
01 35 Special Procedures	35
01 40 Quality Requirements	35
01 45 Quality Control	35
01 50 Temporary Facilities and Controls	38
01 51 Temporary Utilities	38
01 52 Construction Facilities	39
01 53 Temporary Construction	40
01 54 Construction Aids	40
01 55 Vehicular Access and Parking	42
01 56 Temporary Barriers and Enclosures	45
01 58 Project Identification	54
01 60 Product Requirements	55
01 66 Product Storage and Handling Requirements	55
01 70 Execution and Closeout Requirements	55
01 71 Examination and Preparation	55
01 74 Cleaning and Waste Management	60
<hr/>	
02 Existing Conditions	1
02 20 Assessment	1
02 25 Existing Material Assessment	1
02 40 Demolition and Structure Moving	1
02 41 Demolition	1
02 42 Removal and Salvage of Construction Materials	10
02 60 Contaminated Site Material Removal	11
02 61 Removal and Disposal of Contaminated Soils	11
02 80 Facility Remediation	11
02 81 Transportation and Disposal of Hazardous Materials	11
02 82 Asbestos Remediation	11
02 83 Lead Remediation	18
02 84 Polychlorinated Biphenyl Remediation	22
02 87 Bio-Hazard Material Remediation	23
02 89 Hazmat Ancillary Tasks and Support	31
02 90 Disaster Recovery	32
02 90 50 Cleaning and Disaster Clean-up	32
02 90 55 Emergency Clean-up	36
<hr/>	
05 Metals	1
05 05 Common Work Results for Metals	1
05 05 19 Post-Installed Concrete Anchors	1
05 05 21 Fastening Methods for Metal	12
05 05 23 Metal Fastenings	13
05 10 Structural Metal Framing	78
05 12 Structural Steel Framing	78
05 13 Structural Stainless-Steel Framing	132
05 14 Structural Aluminum Framing	132
05 15 Wire Rope Assemblies	133
05 20 Metal Joists	140
05 21 Steel Joist Framing	140
05 30 Metal Decking	140
05 31 Steel Decking	140
05 36 Composite Metal Decking	144
05 40 Cold-Formed Metal Framing	147
05 41 Structural Metal Stud Framing	147
05 42 Cold-Formed Metal Joist Framing	148
05 43 Slotted Channel Framing	149
05 45 Metal Support Assemblies	150

Table of Contents

05 50 Metal Fabrications	150
05 51 Metal Stairs	150
05 52 Metal Railings	152
05 53 Metal Gratings	161
05 54 Metal Floor Plates	169
05 55 Metal Stair Treads and Nosings	169
05 56 Metal Castings	171
05 58 Formed Metal Fabrications	171
05 59 Metal Specialties	172
05 70 Decorative Metal	180
05 71 Decorative Metal Stairs	180
05 73 Decorative Metal Railings	180
05 75 Decorative Formed Metal	181

07 Thermal And Moisture Protection 1

07 01 Operation and Maintenance of Thermal and Moisture Protection	1
07 01 50 Maintenance of Membrane Roofing	1
07 05 Common Work Results for Thermal and Moisture Protection	1
07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work	1
07 10 Dampproofing and Waterproofing	1
07 11 Dampproofing	2
07 13 Sheet Waterproofing	2
07 14 Fluid-Applied Waterproofing	3
07 16 Cementitious and Reactive Waterproofing	4
07 17 Bentonite Waterproofing	4
07 19 Water Repellents	4
07 20 Thermal Protection	5
07 21 Thermal Insulation	5
07 22 Roof and Deck Insulation	16
07 25 Weather Barriers	44
07 26 Vapor Retarders	44
07 27 Air Barriers	44
07 40 Roofing and Siding Panels	44
07 41 Roof Panels	44
07 42 Wall Panels	48
07 46 Siding	49
07 50 Membrane Roofing	53
07 51 Built-Up Bituminous Roofing	53
07 52 Modified Bituminous Membrane Roofing	61
07 53 Elastomeric Membrane Roofing	71
07 54 Thermoplastic Membrane Roofing	75
07 56 Fluid-Applied Roofing	79
07 57 Coated Foamed Roofing	80
07 58 Roll Roofing	82
07 59 Membrane Roofing Termination Bar	82
07 60 Flashing and Sheet Metal	82
07 61 Sheet Metal Roofing	82
07 62 Sheet Metal Flashing and Trim	85
07 63 Sheet Metal Roofing Specialties	90
07 65 Flexible Flashing	91
07 70 Roof and Wall Specialties and Accessories	91
07 71 Roof Specialties	91
07 72 Roof Accessories	113
07 73 Roof Protection Board	138
07 76 Roof Pavers	139
07 80 Fire and Smoke Protection	140
07 81 Applied Fireproofing	140
07 84 Firestopping	141
07 90 Joint Protection	147
07 91 Preformed Joint Seals	147
07 92 Joint Sealants	149
07 95 Expansion Control	153

08 Openings 1

08 10 Doors and Frames	1
08 11 Metal Doors and Frames	1
08 12 Metal Frames	1

08 13 Metal Doors.....	23
08 30 Specialty Doors and Frames.....	46
08 31 Access Doors and Panels.....	46
08 33 Coiling Doors and Grilles.....	47
08 34 Special Function Doors.....	84
08 60 Roof Windows and Skylights.....	93
08 62 Unit Skylights.....	93
08 63 Metal-Framed Skylights.....	98
08 90 Louvers and Vents.....	103
08 91 Louvers.....	103
08 95 Vents.....	135
09 Finishes	1
09 50 Ceilings.....	1
09 51 Acoustical Ceilings.....	1
09 53 Acoustical Ceiling Suspension Assemblies.....	15
09 54 Specialty Ceilings.....	17
09 57 Special Function Ceilings.....	18
09 80 Acoustic Treatment.....	18
09 81 Acoustic Insulation.....	18
09 84 Acoustic Room Components.....	19
10 Specialties	1
10 01 Operation and Maintenance of Specialties.....	1
10 01 40 Operation and Maintenance of Safety Specialties.....	1
10 40 Safety Specialties.....	1
10 41 Emergency Access And Information Cabinets.....	1
10 44 Fire Protection Specialties.....	2
11 Equipment	1
11 20 Commercial Equipment.....	1
11 21 Retail and Service Equipment.....	1
11 30 Residential Equipment.....	1
11 32 Unit Kitchens.....	1
11 40 Foodservice Equipment.....	2
11 41 Foodservice Storage Equipment.....	2
11 42 Food Preparation Equipment.....	23
11 44 Food Cooking Equipment.....	24
11 46 Food Dispensing Equipment.....	30
11 48 Foodservice Cleaning and Disposal Equipment.....	32
11 50 Educational and Scientific Equipment.....	33
11 52 Audio-Visual Equipment.....	33
11 53 Laboratory Equipment.....	39
11 70 Healthcare Equipment.....	39
11 73 Patient Care Equipment.....	39
11 80 Facility Maintenance and Operation Equipment.....	39
11 81 Maintenance Equipment.....	39
11 82 Facility Solid Waste Handling Equipment.....	40
11 90 Other Equipment.....	40
11 98 Detention Equipment.....	40
13 Special Construction	1
13 20 Special Purpose Rooms.....	1
13 21 Controlled Environment Rooms.....	1
13 30 Special Structures.....	1
13 34 Fabricated Engineered Structures.....	1
13 40 Integrated Construction.....	21
13 42 Building Modules.....	21
13 46 Lightning Protection Systems.....	21
13 47 Facility Protection.....	22
13 48 Sound, Vibration, and Seismic Control.....	23
13 49 Radiation Protection.....	24
14 Conveying Equipment	1

Table of Contents

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

21 Fire Suppression 1

21 01 Operation and Maintenance of Fire Suppression	1
21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems	1
21 01 30 Operation and Maintenance of Fire-Suppression Equipment	1
21 05 Common Work Results for Fire Suppression	1
21 05 13 Common Motor Requirements for Fire-Suppression Equipment	1
21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping	1
21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping	2
21 05 19 Meters and Gages for Fire-Suppression Systems	2
21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping	2
21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment	2
21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment	2
21 05 53 Identification for Fire-Suppression Piping and Equipment	2
21 07 Fire-Suppression Systems Insulation	2
21 07 16 Fire-Suppression Equipment Insulation	2
21 07 19 Fire-Suppression Piping Insulation	2
21 10 Water-Based Fire-Suppression Systems	2
21 11 Facility Fire-Suppression Water-Service Piping	2
21 12 Fire-Suppression Standpipes	3
21 13 Fire-Suppression Sprinkler Systems	4
21 20 Fire-Extinguishing Systems	30
21 21 Carbon-Dioxide Fire-Extinguishing Systems	30
21 22 Clean-Agent Fire-Extinguishing Systems	30
21 23 Wet-Chemical Fire-Extinguishing Systems	39
21 24 Dry-Chemical Fire-Extinguishing Systems	42
21 30 Fire Pumps	44
21 31 Centrifugal Fire Pumps	44

22 Plumbing 1

22 01 Operation and Maintenance of Plumbing	1
22 01 10 Operation and Maintenance of Plumbing Piping and Pumps	1
22 01 40 Operation and Maintenance of Plumbing Fixtures	1
22 05 Common Work Results for Plumbing	2
22 05 13 Common Motor Requirements for Plumbing Equipment	2
22 05 16 Expansion Fittings and Loops for Plumbing Piping	2
22 05 17 Sleeves and Sleeve Seals for Plumbing Piping	2
22 05 19 Meters and Gages for Plumbing Piping	2
22 05 23 General-Duty Valves for Plumbing Piping	2
22 05 29 Hangers and Supports for Plumbing Piping and Equipment	6
22 05 33 Heat Tracing for Plumbing Piping	6
22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment	6
22 05 53 Identification for Plumbing Piping and Equipment	6
22 05 76 Facility Drainage Piping Cleanouts	6
22 07 Plumbing Insulation	9
22 07 16 Plumbing Equipment Insulation	9
22 07 19 Plumbing Piping Insulation	9
22 10 Plumbing Piping	41
22 11 Facility Water Distribution	41
22 12 Facility Potable-Water Storage Tanks	102

22 13 Facility Sanitary Sewerage	104
22 14 Facility Storm Drainage	152
22 15 General Service Compressed-Air Systems	161
22 30 Plumbing Equipment.....	165
22 31 Domestic Water Softeners.....	165
22 32 Domestic Water Filtration Equipment	166
22 33 Electric Domestic Water Heaters	168
22 34 Fuel-Fired Domestic Water Heaters	170
22 35 Domestic Water Heat Exchangers.....	174
22 40 Plumbing Fixtures	174
22 41 Residential Plumbing Fixtures	174
22 42 Commercial Plumbing Fixtures.....	175
22 43 Healthcare Plumbing Fixtures.....	189
22 45 Emergency Plumbing Fixtures.....	190
22 46 Security Plumbing Fixtures.....	194
22 47 Drinking Fountains and Water Coolers	196
22 50 Pool and Fountain Plumbing Systems.....	199
22 51 Swimming Pool Plumbing Systems	199
22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities	200
22 63 Gas Systems for Laboratory and Healthcare Facilities.....	200
22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities	200

23 Heating, Ventilating, and Air-Conditioning (HVAC) 1

23 01 Operation and Maintenance of HVAC Systems.....	1
23 01 10 Operation and Maintenance of Facility Fuel Systems	1
23 01 20 Operation and Maintenance of HVAC Piping and Pumps	1
23 01 30 Operation and Maintenance of HVAC Air Distribution	4
23 01 50 Operation and Maintenance of Central Heating Equipment	4
23 01 60 Operation and Maintenance of Central Cooling Equipment.....	6
23 05 Common Work Results for HVAC	6
23 05 13 Common Motor Requirements for HVAC Equipment	6
23 05 16 Expansion Fittings and Loops for HVAC Piping	9
23 05 17 Sleeves and Sleeve Seals for HVAC Piping	10
23 05 19 Meters and Gages for HVAC Piping	11
23 05 23 General-Duty Valves For HVAC Piping.....	14
23 05 29 Hangers and Supports for HVAC Piping and Equipment.....	33
23 05 33 Heat Tracing for HVAC Piping	62
23 05 48 Vibration and Seismic Controls for HVAC.....	62
23 05 53 Identification for HVAC Piping and Equipment.....	66
23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment.....	67
23 05 93 Testing, Adjusting, and Balancing for HVAC.....	68
23 07 HVAC Insulation	71
23 07 13 Duct Insulation.....	71
23 07 16 HVAC Equipment Insulation	72
23 07 19 HVAC Piping Insulation	72
23 08 Commissioning of HVAC	76
23 09 Instrumentation and Control for HVAC.....	76
23 09 23 Direct-Digital Control System for HVAC	76
23 09 43 Pneumatic Control System For HVAC	92
23 10 Facility Fuel Systems	93
23 11 Facility Fuel Piping	93
23 12 Facility Fuel Pumps	106
23 13 Facility Fuel-Storage Tanks.....	106
23 20 HVAC Piping and Pumps.....	114
23 21 Hydronic Piping and Pumps	114
23 22 Steam and Condensate Piping and Pumps	202
23 23 Refrigerant Piping.....	207
23 25 HVAC Water Treatment.....	212
23 30 HVAC Air Distribution	212
23 31 HVAC Ducts and Casings	212
23 33 Air Duct Accessories	315
23 34 HVAC Fans	361
23 35 Special Exhaust Systems	376
23 36 Air Terminal Units.....	379
23 37 Air Outlets and Inlets	381
23 38 Ventilation Hoods	397
23 40 HVAC Air Cleaning Devices.....	399
23 41 Particulate Air Filtration	399

Table of Contents

23 42 Gas-Phase Air Filtration	405
23 43 Electronic Air Cleaners	406
23 50 Central Heating Equipment	406
23 51 Breechings, Chimneys, and Stacks	406
23 52 Heating Boilers	428
23 53 Heating Boiler Feedwater Equipment	445
23 54 Furnaces	446
23 55 Fuel-Fired Heaters	449
23 57 Heat Exchangers for HVAC	450
23 60 Central Cooling Equipment	451
23 61 Refrigerant Compressors	451
23 62 Packaged Compressor and Condenser Units	453
23 63 Refrigerant Condensers	454
23 64 Packaged Water Chillers	456
23 65 Cooling Towers	460
23 70 Central HVAC Equipment	465
23 71 Thermal Storage	465
23 72 Air-To-Air Energy Recovery Equipment	466
23 73 Indoor Central-Station Air-Handling Units	466
23 74 Packaged Outdoor HVAC Equipment	485
23 76 Evaporative Air-Cooling Equipment	492
23 80 Decentralized Unitary HVAC Equipment	493
23 81 Decentralized Unitary HVAC Equipment	493
23 82 Convection Heating and Cooling Units	506
23 83 Radiant Heating Units	521
23 84 Humidity Control Equipment	522

26 Electrical

1

26 01 Operation and Maintenance of Electrical Systems	1
26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution	1
26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution	2
26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment	2
26 01 50 Operation and Maintenance of Lighting	2
26 05 Common Work Results for Electrical	19
26 05 13 Medium-Voltage Cables	19
26 05 19 Low-Voltage Electrical Power Conductors and Cables	24
26 05 23 Control-Voltage Electrical Power Cables	39
26 05 26 Grounding and Bonding for Electrical Systems	39
26 05 29 Hangers and Supports for Electrical Systems	44
26 05 33 Raceway and Boxes for Electrical Systems	65
26 05 36 Cable Trays for Electrical Systems	290
26 05 39 Underfloor Raceways for Electrical Systems	377
26 05 43 Underground Ducts and Raceways for Electrical Systems	378
26 05 46 Utility Poles for Electrical Systems	378
26 05 53 Identification for Electrical Systems	383
26 05 83 Wiring Connections	383
26 09 Instrumentation and Control for Electrical Systems	386
26 09 23 Lighting Control Devices	387
26 10 Medium-Voltage Electrical Distribution	405
26 11 Substations	405
26 12 Medium-Voltage Transformers	412
26 13 Medium-Voltage Switchgear	416
26 18 Medium-Voltage Circuit Protection Devices	419
26 19 High-Voltage Circuit Protection	419
26 20 Low-Voltage Electrical Distribution	421
26 21 Low-Voltage Electrical Service Entrance	421
26 22 Low-Voltage Transformers	423
26 24 Switchboards and Panelboards	430
26 25 Enclosed Bus Assemblies	475
26 27 Low-Voltage Distribution Equipment	478
26 28 Low-Voltage Circuit Protective Devices	497
26 29 Low-Voltage Controllers	526
26 30 Facility Electrical Power Generating and Storing Equipment	542
26 31 Photovoltaic Collectors	542
26 32 Packaged Generator Assemblies	546
26 33 Battery Equipment	550
26 35 Power Filters and Conditioners	553
26 36 Transfer Switches	554

26 40 Electrical And Cathodic Protection.....	556
26 43 Surge Protective Devices	556
26 50 Lighting.....	560
26 51 Interior Lighting	560
26 52 Safety Lighting	607
26 54 Classified Location Lighting	612
26 55 Special Purpose Lighting.....	615
26 56 Exterior Lighting	628

33 Utilities 1

33 01 Operation and Maintenance of Utilities.....	1
33 01 10 Operation and Maintenance of Water Utilities	1
33 01 30 Operation and Maintenance of Sewer Utilities	4
33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems	84
33 05 Common Work Results for Utilities.....	84
33 05 07 Trenchless Installation of Utility Piping.....	84
33 05 09 Piping Specials for Utilities	86
33 05 16 Cast-Iron Utility Pipe.....	86
33 05 17 Copper Utility Pipe and Tubing	86
33 05 19 Ductile-Iron Utility Pipe	87
33 05 24 Steel Utility Pipe	87
33 05 27 Corrugated Metal Utility Pipe	87
33 05 31 Thermoplastic Utility Pipe	87
33 05 33 Polyethylene Utility Pipe	87
33 05 39 Concrete Pipe	88
33 05 41 Vitrified Clay Utility Pipe	88
33 05 61 Concrete Manholes	88
33 05 63 Concrete Vaults and Chambers.....	89
33 05 81 Metallic Castings for Utility Structures.....	98
33 05 83 Non-Metallic Accessories for Utility Structures.....	99
33 05 84 Accessories for Utility Structures	99
33 05 97 Identification and Signage for Utilities	102
33 10 Water Utilities	102
33 11 Groundwater Sources	102
33 14 Water Utility Transmission and Distribution.....	110
33 16 Water Utility Storage Tanks.....	197
33 19 Water Utility Metering Equipment	197
33 30 Sanitary Sewerage Utilities	198
33 31 Sanitary Sewerage Piping	198
33 32 Sanitary Sewerage Equipment	203
33 34 Onsite Wastewater Disposal.....	203
33 40 Stormwater Utilities.....	204
33 41 Subdrainage.....	204
33 42 Stormwater Conveyance	208
33 44 Storm Utility Water Drains	268
33 46 Stormwater Management.....	269
33 50 Hydrocarbon Utilities.....	269
33 52 Hydrocarbon Transmission and Distribution	269
33 53 Hydrocarbon Utility Pressure Regulation	272
33 56 Hydrocarbon Storage	272
33 59 Hydrocarbon Utility Metering	272
33 60 Hydronic and Steam Energy Utilities	273
33 61 Hydronic Energy Distribution	273
33 70 Electrical Utilities.....	293
33 71 Electrical Utility Transmission and Distribution.....	293

40 Process Interconnections 1

40 05 Common Work Results For Process Interconnections	1
40 05 19 Ductile Iron Process Pipe	1
40 05 23 Stainless Steel Process Pipe and Tubing	115

41 Material Processing and Handling Equipment 1

41 01 Operation and Maintenance of Material Processing and Handling Equipment.....	1
41 01 20 Operation and Maintenance of Piece Material Handling Equipment.....	1
41 20 Piece Material Handling Equipment	1
41 22 Cranes and Hoists.....	1

Table of Contents

43 Process Gas and Liquid Handling, Purification, and Storage Equipment	1
43 20 Liquid Handling Equipment	1
43 23 Dry Location Liquid Pumps.....	1
43 24 Suspended Liquid Pumps.....	1
43 40 Gas and Liquid Storage	1
43 42 Pressurized Tanks And Vessels	1

CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **County of San Mateo**, priced locally using current labor, material and equipment costs, and published in November 2022.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **County of San Mateo**. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

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



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

The Unit Prices Include:

LABOR COSTS:

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

November 2022

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

EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

Complete and In-Place Construction:

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

copyright © 2022 The Gordian Group, Inc.

Using The Construction Task Catalog®

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

Demolition:

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

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

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

The Adjustment Factors Include:

BUSINESS COSTS:

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

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

CONSTRUCTION RELATED COSTS:

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

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

PRICE VARIATIONS:

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

GENERAL COSTS:

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

Using The Construction Task Catalog®

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

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

General Interpretations:

WORKING HEIGHT:

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

FIELD ENGINEERING:

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

ASSEMBLIES:

- Assembly unit prices take precedence over individual component pricing.

TESTING:

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

MISCELLANEOUS:

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

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

SPECIFICATIONS:

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

Useful Information:

UNIT OF MEASURE DEFINITIONS:

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

November 2022

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

MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

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

copyright © 2022 The Gordian Group, Inc.

Using The Construction Task Catalog®

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

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

BULK FACTORS FOR DEMOLITION:

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

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

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

STANDARD GEOMETRY:

Circle

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

Cylinder

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

Sphere

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

$\pi = 3.14159$

United Inch

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

TRADEMARKS

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

THIS PAGE INTENTIONALLY LEFT BLANK



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

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

01 General Requirements

01 20 Price and Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

Note: Provide digital copies of photographs.

01 22 16 Unit Price Payment ^(01 22)

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

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

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

01 22 20 Wage Rates ^(01 22)

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

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

01 22 20 00-0002	HR	Asbestos Removal Worker	70.05
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			3.50
For Apprentice, Deduct			-14.01
01 22 20 00-0003	HR	Insulator	135.99
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			6.80
For Apprentice, Deduct			-27.20
01 22 20 00-0004	HR	Boilermaker.....	108.05
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			5.40
For Apprentice, Deduct			-21.61
01 22 20 00-0005	HR	Brick Layer.....	106.69
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			5.33
For Apprentice, Deduct			-21.34
01 22 20 00-0006	HR	Carpenter.....	119.98
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			6.00
For Apprentice, Deduct			-24.00
01 22 20 00-0007	HR	Carpet, Linoleum.....	116.99
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			5.85
For Apprentice, Deduct			-23.40
01 22 20 00-0008	HR	Cement Mason.....	86.23
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			4.31
For Apprentice, Deduct			-17.25
01 22 20 00-0009	HR	Drywall Finisher.....	113.46
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			5.67
For Apprentice, Deduct			-22.69
01 22 20 00-0010	HR	Electrician	147.14
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			7.36
For Apprentice, Deduct			-29.43
01 22 20 00-0011	HR	Equipment Operator, Crane (Group 1-A).....	109.27
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
01 22 20 00-0012	HR	Equipment Operator, Crane (Group 2-A).....	106.93
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			5.35
For Apprentice, Deduct			-21.39
01 22 20 00-0013	HR	Equipment Operator, Crane (Group 3-A).....	104.66
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
01 22 20 00-0014	HR	Equipment Operator, Medium (Group 3).....	104.15
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			5.21
For Apprentice, Deduct			-20.83
01 22 20 00-0015	HR	Equipment Operator, Medium (Group 4).....	102.31
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
01 22 20 00-0016	HR	Equipment Operator, Medium (Group 5).....	100.64
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
01 22 20 00-0017	HR	Equipment Operator, Light (Group 6).....	98.88
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			
For Foreperson, Add			4.94
For Apprentice, Deduct			-19.78
01 22 20 00-0018	HR	Equipment Operator, Light (Group 7).....	97.38
<p>Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.</p>			

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0019 HR Equipment Operator, Light (Group 8).....	95.88	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0020 HR Glazier.....	114.09	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.70	
For Apprentice, Deduct	-22.82	
01 22 20 00-0021 HR Laborer.....	85.52	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0022 HR Lather.....	112.26	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.61	
For Apprentice, Deduct	-22.45	
01 22 20 00-0023 HR Marble Setter.....	114.68	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.73	
For Apprentice, Deduct	-22.94	
01 22 20 00-0024 HR Millwright.....	111.32	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.57	
For Apprentice, Deduct	-22.26	
01 22 20 00-0025 HR Mold Removal Worker.....	84.89	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.24	
For Apprentice, Deduct	-16.98	
01 22 20 00-0026 HR Painter, Ordinary.....	95.65	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.78	
For Apprentice, Deduct	-19.13	
01 22 20 00-0027 HR Painter, Structural Steel.....	99.99	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.00	
For Apprentice, Deduct	-20.00	
01 22 20 00-0028 HR Paperhanger.....	95.65	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.78	
For Apprentice, Deduct	-19.13	
01 22 20 00-0029 HR Pile Drivers.....	125.50	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.28	
For Apprentice, Deduct	-25.10	
01 22 20 00-0030 HR Plasterer.....	105.74	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.29	
For Apprentice, Deduct	-21.15	
01 22 20 00-0031 HR Plumber.....	145.77	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	7.29	
For Apprentice, Deduct	-29.15	
01 22 20 00-0032 HR Powderman.....	90.09	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.50	
For Apprentice, Deduct	-18.02	
01 22 20 00-0033 HR Rodman (Reinforcing)/Ornamental Steel Worker.....	104.91	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.25	
For Apprentice, Deduct	-20.98	
01 22 20 00-0034 HR Roofer, Composite.....	112.36	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.62	
For Apprentice, Deduct	-22.47	
01 22 20 00-0035 HR Roofer, Tile/Slate.....	108.71	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.44	
For Apprentice, Deduct	-21.74	
01 22 20 00-0036 HR Sheet Metal Worker.....	144.81	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	7.24	
For Apprentice, Deduct	-28.96	
01 22 20 00-0037 HR Sprinkler Installer.....	137.99	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.90	
For Apprentice, Deduct	-27.60	
01 22 20 00-0038 HR Steam / Pipe Fitter.....	145.77	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	7.29	
For Apprentice, Deduct	-29.15	
01 22 20 00-0039 HR Stone Mason.....	106.69	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.33	
For Apprentice, Deduct	-21.34	
01 22 20 00-0040 HR Iron Worker (Structural).....	107.25	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.36	
For Apprentice, Deduct	-21.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0041 HR Tile Layer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	96.15 4.81 -19.23	
01 22 20 00-0042 HR Terrazzo Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	105.58 5.28 -21.12	
01 22 20 00-0043 HR Truck Driver, Light (Group 1) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	84.62 4.23 -16.92	
01 22 20 00-0044 HR Truck Driver, Medium (Group 2) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	85.05	
01 22 20 00-0045 HR Truck Driver, Heavy (Group 3) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Foreperson, Add</i> <i>For Apprentice, Deduct</i>	85.48 4.27 -17.10	
01 22 20 00-0046 HR Truck Driver, Heavy (Group 4) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	85.92	
01 22 20 00-0047 HR Class I Diver Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	208.43	
01 22 20 00-0048 HR Class III Diver Tender Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	136.83	
01 22 20 00-0049 HR D1 Certified Welder Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	111.20	
01 22 20 00-0050 Rates For Services (01 22 20)		
01 22 20 00-0051 HR Watch/Guard Person, Unarmed.....	35.33	
01 22 20 00-0052 HR Watch/Guard Person, Armed.....	44.36	
01 22 20 00-0053 HR Surveyor (Rod Person).....	106.15	
01 22 20 00-0054 HR Senior Surveyor (Party Chief).....	116.56	
01 22 20 00-0055 HR Surveyor (Instrument person).....	110.56	
01 22 20 00-0056 HR On-Site Certified Materials Testing Technician.....	82.92	
01 22 20 00-0057 HR Certified Industrial Hygienist.....	133.60	
01 22 20 00-0058 MI Mileage For Professional Services (Engineering, Surveying, Etcetera)..... Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.	0.56	
01 22 20 00-0059 HR Fire Watch Laborer Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.	85.52	
01 22 20 00-0060 Rates For Project Management Services (01 22 20)		
01 22 20 00-0061 HR Project Manager.....	151.80	
01 22 20 00-0062 Rates For Architectural And Engineering Services (01 22 20)		
Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0063 HR Principal Architect.....	212.52	
01 22 20 00-0064 HR Senior Architect.....	187.22	
01 22 20 00-0065 HR Architect.....	142.94	
01 22 20 00-0066 HR Principal Engineer.....	212.52	
01 22 20 00-0067 HR Senior Engineer.....	161.92	
01 22 20 00-0068 HR Engineer.....	129.03	
01 22 20 00-0069 HR Draft Person.....	76.53	
01 22 20 00-0070 Rates For Traffic Control (01 22 20)		
01 22 20 00-0071 DAY Pilot Vehicle With Driver Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.	1,023.32	
01 22 20 00-0072 HR Flagperson For Traffic Control.....	85.52	
01 22 20 00-0073 Mobilize Equipment (01 22 20)		
01 22 20 00-0074 HR Escort Vehicle With Driver.....	98.95	
01 22 20 00-0075 HR Transport Vehicle With Driver.....	139.00	
01 22 23 Equipment Usage (01 22)		
Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 22 20 00-0070 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001 Aerial Equipment (01 22 23)		

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



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

01 22 23 00-0002	Man Lifts <small>(01 22 23 00-0001)</small> Note: Excludes operator, delivery, set-up, and removal.	
01 22 23 00-0003	Telescoping Boom Man Lifts With Platform <small>(01 22 23 00-0002)</small>	
01 22 23 00-0004	Engine Powered, Telescoping Boom Man Lifts With Platform <small>(01 22 23 00-0003)</small> Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.	
01 22 23 00-0005	DAY 40' Engine Powered, Telescoping Boom Man Lift With Platform .....459.70 <i>For Four-Wheel Drive, Add</i> .....103.43	
01 22 23 00-0006	WK 40' Engine Powered, Telescoping Boom Man Lift With Platform .....1,156.66 <i>For Four-Wheel Drive, Add</i> .....260.25	
01 22 23 00-0007	MO 40' Engine Powered, Telescoping Boom Man Lift With Platform .....2,595.08 <i>For Four-Wheel Drive, Add</i> .....583.89	
01 22 23 00-0008	DAY 60' Engine Powered, Telescoping Boom Man Lift With Platform .....674.72 <i>For Four-Wheel Drive, Add</i> .....151.81	
01 22 23 00-0009	WK 60' Engine Powered, Telescoping Boom Man Lift With Platform .....1,608.95 <i>For Four-Wheel Drive, Add</i> .....362.01	
01 22 23 00-0010	MO 60' Engine Powered, Telescoping Boom Man Lift With Platform .....3,521.89 <i>For Four-Wheel Drive, Add</i> .....792.43	
01 22 23 00-0011	DAY 80' Engine Powered, Telescoping Boom Man Lift With Platform .....1,312.37 <i>For Four-Wheel Drive, Add</i> .....295.28	
01 22 23 00-0012	WK 80' Engine Powered, Telescoping Boom Man Lift With Platform .....3,180.82 <i>For Four-Wheel Drive, Add</i> .....715.68	
01 22 23 00-0013	MO 80' Engine Powered, Telescoping Boom Man Lift With Platform .....6,673.05 <i>For Four-Wheel Drive, Add</i> .....1,501.44	
01 22 23 00-0014	DAY 110' Engine Powered, Telescoping Boom Man Lift With Platform .....1,868.45 <i>For Four-Wheel Drive, Add</i> .....420.40	
01 22 23 00-0015	WK 110' Engine Powered, Telescoping Boom Man Lift With Platform .....4,499.12 <i>For Four-Wheel Drive, Add</i> .....1,012.30	
01 22 23 00-0016	MO 110' Engine Powered, Telescoping Boom Man Lift With Platform .....11,210.72 <i>For Four-Wheel Drive, Add</i> .....2,522.41	
01 22 23 00-0017	DAY 120' Engine Powered, Telescoping Boom Man Lift With Platform .....2,276.25 <i>For Four-Wheel Drive, Add</i> .....512.16	
01 22 23 00-0018	WK 120' Engine Powered, Telescoping Boom Man Lift With Platform .....5,805.55 <i>For Four-Wheel Drive, Add</i> .....1,306.25	
01 22 23 00-0019	MO 120' Engine Powered, Telescoping Boom Man Lift With Platform .....13,197.81 <i>For Four-Wheel Drive, Add</i> .....2,969.51	

01 22 23 00-0020	Articulating (Up/Over) Boom Man Lifts With Platform <small>(01 22 23 00-0002)</small>	
01 22 23 00-0021	Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform <small>(01 22 23 00-0020)</small> Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.	
01 22 23 00-0022	DAY 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....410.16	
01 22 23 00-0023	WK 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....1,029.14	
01 22 23 00-0024	MO 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....2,475.89	
01 22 23 00-0025	DAY 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....522.02	
01 22 23 00-0026	WK 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....1,141.00	
01 22 23 00-0027	MO 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....2,832.36	
01 22 23 00-0028	DAY 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....671.18	
01 22 23 00-0029	WK 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....1,551.16	
01 22 23 00-0030	MO 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....3,467.74	
01 22 23 00-0031	DAY 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....1,170.83	
01 22 23 00-0032	WK 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....2,759.28	
01 22 23 00-0033	MO 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....6,710.26	
01 22 23 00-0034	DAY 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....2,274.54	
01 22 23 00-0035	WK 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....5,369.40	
01 22 23 00-0036	MO 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....13,125.20	

01 22 23 00-0037	Electric, Articulating (Up/Over) Boom Man Lifts With Platform <small>(01 22 23 00-0020)</small> Note: For use on paved surfaces.	
01 22 23 00-0038	DAY 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....410.16	
01 22 23 00-0039	WK 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....1,029.14	
01 22 23 00-0040	MO 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....2,475.89	
01 22 23 00-0041	DAY 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....410.16	
01 22 23 00-0042	WK 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....1,029.14	
01 22 23 00-0043	MO 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....2,475.89	
01 22 23 00-0044	DAY 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....507.11	
01 22 23 00-0045	WK 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....1,096.25	
01 22 23 00-0046	MO 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....2,721.99	
01 22 23 00-0047	DAY 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....507.11	
01 22 23 00-0048	WK 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....1,096.25	
01 22 23 00-0049	MO 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....2,721.99	

01 22 23 00-0050	Platform Lifts <small>(01 22 23 00-0001)</small> Note: Excludes operator, delivery, set-up, and removal.	
01 22 23 00-0051	Electric, Scissor Platform Lifts <small>(01 22 23 00-0050)</small> Note: For use on paved surfaces.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0052 DAY 17' Electric, Scissor Platform Lift.....	170.50	
01 22 23 00-0053 WK 17' Electric, Scissor Platform Lift.....	341.00	
01 22 23 00-0054 MO 17' Electric, Scissor Platform Lift.....	697.50	
01 22 23 00-0055 DAY 20' Electric, Scissor Platform Lift.....	186.00	
01 22 23 00-0056 WK 20' Electric, Scissor Platform Lift.....	372.00	
01 22 23 00-0057 MO 20' Electric, Scissor Platform Lift.....	744.00	
01 22 23 00-0058 DAY 25' Electric, Scissor Platform Lift.....	240.25	
01 22 23 00-0059 WK 25' Electric, Scissor Platform Lift.....	480.50	
01 22 23 00-0060 MO 25' Electric, Scissor Platform Lift.....	1,030.75	
01 22 23 00-0061 DAY 30' Electric, Scissor Platform Lift.....	310.00	
01 22 23 00-0062 WK 30' Electric, Scissor Platform Lift.....	612.25	
01 22 23 00-0063 MO 30' Electric, Scissor Platform Lift.....	1,356.25	
01 22 23 00-0064 DAY 33' Electric, Scissor Platform Lift.....	333.25	
01 22 23 00-0065 WK 33' Electric, Scissor Platform Lift.....	651.00	
01 22 23 00-0066 MO 33' Electric, Scissor Platform Lift.....	1,472.50	
01 22 23 00-0067 DAY 40' Electric, Scissor Platform Lift.....	434.00	
01 22 23 00-0068 WK 40' Electric, Scissor Platform Lift.....	1,077.25	
01 22 23 00-0069 MO 40' Electric, Scissor Platform Lift.....	2,999.25	

01 22 23 00-0070 Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)

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

01 22 23 00-0071 DAY 25' Engine Powered, Scissor Platform Lift.....	414.52	
<i>For Four-Wheel Drive, Add</i>	82.90	
01 22 23 00-0072 WK 25' Engine Powered, Scissor Platform Lift.....	810.61	
<i>For Four-Wheel Drive, Add</i>	162.12	
01 22 23 00-0073 MO 25' Engine Powered, Scissor Platform Lift.....	1,980.47	
<i>For Four-Wheel Drive, Add</i>	396.09	
01 22 23 00-0074 DAY 33' Engine Powered, Scissor Platform Lift.....	423.73	
<i>For Four-Wheel Drive, Add</i>	84.75	
01 22 23 00-0075 WK 33' Engine Powered, Scissor Platform Lift.....	967.21	
<i>For Four-Wheel Drive, Add</i>	193.44	
01 22 23 00-0076 MO 33' Engine Powered, Scissor Platform Lift.....	2,118.64	
<i>For Four-Wheel Drive, Add</i>	423.73	
01 22 23 00-0077 DAY 40' Engine Powered, Scissor Platform Lift.....	469.79	
<i>For Four-Wheel Drive, Add</i>	93.96	
01 22 23 00-0078 WK 40' Engine Powered, Scissor Platform Lift.....	1,077.75	
<i>For Four-Wheel Drive, Add</i>	215.55	
01 22 23 00-0079 MO 40' Engine Powered, Scissor Platform Lift.....	2,394.99	
<i>For Four-Wheel Drive, Add</i>	479.00	
01 22 23 00-0080 DAY 43' Engine Powered, Scissor Platform Lift.....	497.42	
<i>For Four-Wheel Drive, Add</i>	99.48	
01 22 23 00-0081 WK 43' Engine Powered, Scissor Platform Lift.....	1,160.65	
<i>For Four-Wheel Drive, Add</i>	232.13	
01 22 23 00-0082 MO 43' Engine Powered, Scissor Platform Lift.....	2,855.56	
<i>For Four-Wheel Drive, Add</i>	571.11	
01 22 23 00-0083 DAY 50' Engine Powered, Scissor Platform Lift.....	930.36	
<i>For Four-Wheel Drive, Add</i>	186.07	
01 22 23 00-0084 WK 50' Engine Powered, Scissor Platform Lift.....	2,044.95	
<i>For Four-Wheel Drive, Add</i>	408.99	
01 22 23 00-0085 MO 50' Engine Powered, Scissor Platform Lift.....	5,029.48	
<i>For Four-Wheel Drive, Add</i>	1,005.90	

01 22 23 00-0086 Personnel Lifts (01 22 23 00-0001)

Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

01 22 23 00-0087 DAY 24', Push-Type, Electric Single Man Personnel Lift.....	164.90	
01 22 23 00-0088 WK 24', Push-Type, Electric Single Man Personnel Lift.....	467.21	
01 22 23 00-0089 MO 24', Push-Type, Electric Single Man Personnel Lift.....	943.58	
01 22 23 00-0090 DAY 30', Push-Type, Electric Single Man Personnel Lift.....	229.02	
01 22 23 00-0091 WK 30', Push-Type, Electric Single Man Personnel Lift.....	485.53	
01 22 23 00-0092 MO 30', Push-Type, Electric Single Man Personnel Lift.....	1,648.98	
01 22 23 00-0093 DAY 36', Push-Type, Electric Single Man Personnel Lift.....	384.76	
01 22 23 00-0094 WK 36', Push-Type, Electric Single Man Personnel Lift.....	934.42	
01 22 23 00-0095 MO 36', Push-Type, Electric Single Man Personnel Lift.....	2,729.98	
01 22 23 00-0096 DAY 40', Push-Type, Electric Single Man Personnel Lift.....	412.24	
01 22 23 00-0097 WK 40', Push-Type, Electric Single Man Personnel Lift.....	1,026.03	
01 22 23 00-0098 MO 40', Push-Type, Electric Single Man Personnel Lift.....	3,087.26	
01 22 23 00-0099 DAY 15', Self-Propelled, Electric Single Man Personnel Lift.....	219.86	
01 22 23 00-0100 WK 15', Self-Propelled, Electric Single Man Personnel Lift.....	439.73	
01 22 23 00-0101 MO 15', Self-Propelled, Electric Single Man Personnel Lift.....	879.46	
01 22 23 00-0102 DAY 20', Self-Propelled, Electric Single Man Personnel Lift.....	219.86	
01 22 23 00-0103 WK 20', Self-Propelled, Electric Single Man Personnel Lift.....	439.73	
01 22 23 00-0104 MO 20', Self-Propelled, Electric Single Man Personnel Lift.....	914.27	

01 22 23 00-0105 Bucket Trucks (01 22 23 00-0001)

Note: Includes full-time operator, delivery, and removal.

01 22 23 00-0106 DAY 29' Bucket Truck With Full-Time Operator.....	1,268.22	
<i>For Equipment Without Operator, Deduct</i>	-683.84	
01 22 23 00-0107 WK 29' Bucket Truck With Full-Time Operator.....	5,172.32	
<i>For Equipment Without Operator, Deduct</i>	-3,419.20	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0108 MO 29' Bucket Truck With Full-Time Operator	19,279.05	
<i>For Equipment Without Operator, Deduct</i>	-14,816.55	
01 22 23 00-0109 DAY 38' Bucket Truck With Full-Time Operator	1,342.59	
<i>For Equipment Without Operator, Deduct</i>	-683.84	
01 22 23 00-0110 WK 38' Bucket Truck With Full-Time Operator	5,411.39	
<i>For Equipment Without Operator, Deduct</i>	-3,419.20	
01 22 23 00-0111 MO 38' Bucket Truck With Full-Time Operator	19,916.55	
<i>For Equipment Without Operator, Deduct</i>	-14,816.55	
01 22 23 00-0112 DAY 48' Bucket Truck With Full-Time Operator	1,533.84	
<i>For Equipment Without Operator, Deduct</i>	-683.84	
01 22 23 00-0113 WK 48' Bucket Truck With Full-Time Operator	5,756.70	
<i>For Equipment Without Operator, Deduct</i>	-3,419.20	
01 22 23 00-0114 MO 48' Bucket Truck With Full-Time Operator	20,660.30	
<i>For Equipment Without Operator, Deduct</i>	-14,816.55	
01 22 23 00-0115 DAY 62' Bucket Truck With Full-Time Operator	1,958.84	
<i>For Equipment Without Operator, Deduct</i>	-683.84	
01 22 23 00-0116 WK 62' Bucket Truck With Full-Time Operator	7,137.95	
<i>For Equipment Without Operator, Deduct</i>	-3,419.20	
01 22 23 00-0117 MO 62' Bucket Truck With Full-Time Operator	24,379.05	
<i>For Equipment Without Operator, Deduct</i>	-14,816.55	
01 22 23 00-0118 DAY 85' Bucket Truck With Full-Time Operator	2,171.34	
<i>For Equipment Without Operator, Deduct</i>	-683.84	
01 22 23 00-0119 WK 85' Bucket Truck With Full-Time Operator	7,881.70	
<i>For Equipment Without Operator, Deduct</i>	-3,419.20	
01 22 23 00-0120 MO 85' Bucket Truck With Full-Time Operator	27,035.30	
<i>For Equipment Without Operator, Deduct</i>	-14,816.55	
01 22 23 00-0121 Air Equipment <small>(01 22 23)</small>		
01 22 23 00-0122 Air Compressors <small>(01 22 23 00-0121)</small>		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0123 DAY 100 CFM Diesel Powered Portable Air Compressor	168.27	
01 22 23 00-0124 WK 100 CFM Diesel Powered Portable Air Compressor	504.81	
01 22 23 00-0125 MO 100 CFM Diesel Powered Portable Air Compressor	1,402.25	
01 22 23 00-0126 DAY 130 CFM Diesel Powered Portable Air Compressor	201.92	
01 22 23 00-0127 WK 130 CFM Diesel Powered Portable Air Compressor	594.55	
01 22 23 00-0128 MO 130 CFM Diesel Powered Portable Air Compressor	1,682.70	
01 22 23 00-0129 DAY 185 CFM Diesel Powered Portable Air Compressor	269.23	
01 22 23 00-0130 WK 185 CFM Diesel Powered Portable Air Compressor	605.77	
01 22 23 00-0131 MO 185 CFM Diesel Powered Portable Air Compressor	1,334.94	
01 22 23 00-0132 DAY 375 CFM Diesel Powered Portable Air Compressor	381.41	
01 22 23 00-0133 WK 375 CFM Diesel Powered Portable Air Compressor	964.75	
01 22 23 00-0134 MO 375 CFM Diesel Powered Portable Air Compressor	2,299.69	
01 22 23 00-0135 DAY 600 CFM Diesel Powered Portable Air Compressor	848.08	
01 22 23 00-0136 WK 600 CFM Diesel Powered Portable Air Compressor	2,041.68	
01 22 23 00-0137 MO 600 CFM Diesel Powered Portable Air Compressor	5,088.48	
01 22 23 00-0138 DAY 750 CFM Diesel Powered Portable Air Compressor	1,020.84	
01 22 23 00-0139 WK 750 CFM Diesel Powered Portable Air Compressor	2,512.83	
01 22 23 00-0140 MO 750 CFM Diesel Powered Portable Air Compressor	6,169.90	
01 22 23 00-0141 DAY 825 CFM Diesel Powered Portable Air Compressor	1,020.84	
01 22 23 00-0142 WK 825 CFM Diesel Powered Portable Air Compressor	2,512.83	
01 22 23 00-0143 MO 825 CFM Diesel Powered Portable Air Compressor	6,169.90	
01 22 23 00-0144 DAY 1,300 CFM Diesel Powered Portable Air Compressor	1,189.11	
01 22 23 00-0145 WK 1,300 CFM Diesel Powered Portable Air Compressor	2,665.40	
01 22 23 00-0146 MO 1,300 CFM Diesel Powered Portable Air Compressor	7,107.72	
01 22 23 00-0147 DAY 1,600 CFM Diesel Powered Portable Air Compressor	1,480.78	
01 22 23 00-0148 WK 1,600 CFM Diesel Powered Portable Air Compressor	3,331.75	
01 22 23 00-0149 MO 1,600 CFM Diesel Powered Portable Air Compressor	8,884.66	
01 22 23 00-0150 Portable Negative Air Machines <small>(01 22 23 00-0121)</small>		
Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.		
01 22 23 00-0151 DAY Up To 2,000 CFM, Portable Negative Air Machine	81.38	
01 22 23 00-0152 WK Up To 2,000 CFM, Portable Negative Air Machine	334.24	
01 22 23 00-0153 MO Up To 2,000 CFM, Portable Negative Air Machine	1,009.97	
01 22 23 00-0154 EA First Stage Pre-Filter For Portable Negative Air Machines	14.56	
01 22 23 00-0155 EA Second Stage Pre-Filter For Portable Negative Air Machines	33.41	
01 22 23 00-0156 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines	172.31	
01 22 23 00-0157 LF Flexible Exhaust Duct For Portable Negative Air Machines	2.16	
01 22 23 00-0158 Portable Air Scrubbers <small>(01 22 23 00-0121)</small>		
Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.		
01 22 23 00-0159 DAY Up To 1,000 CFM, Portable Air Scrubber	82.34	
01 22 23 00-0160 WK Up To 1,000 CFM, Portable Air Scrubber	342.27	
01 22 23 00-0161 MO Up To 1,000 CFM, Portable Air Scrubber	947.46	
01 22 23 00-0162 DAY >1,000 to 2,000 CFM, Portable Air Scrubber	104.17	
01 22 23 00-0163 WK >1,000 to 2,000 CFM, Portable Air Scrubber	431.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0164 MO >1,000 to 2,000 CFM, Portable Air Scrubber	1,264.93	
01 22 23 00-0165 DAY >2,000 To 5,000 CFM, Portable Air Scrubber.....	133.93	
01 22 23 00-0166 WK >2,000 To 5,000 CFM, Portable Air Scrubber.....	570.46	
01 22 23 00-0167 MO >2,000 To 5,000 CFM, Portable Air Scrubber.....	1,597.28	
01 22 23 00-0168 EA First Stage Pre-Filter For Portable Air Scrubbers.....	20.52	
01 22 23 00-0169 EA Second Stage Pre-Filter For Portable Air Scrubbers	28.45	
01 22 23 00-0170 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers.....	291.36	
01 22 23 00-0171 Compaction And Paving Equipment <small>(01 22 23)</small>		
01 22 23 00-0172 Pavers And Rollers <small>(01 22 23 00-0171)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0173 Pavers <small>(01 22 23 00-0172)</small>		
01 22 23 00-0174 DAY 10' Wide Paving Machine With Full-Time Operator	4,111.49	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0175 WK 10' Wide Paving Machine With Full-Time Operator	17,279.19	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0176 MO 10' Wide Paving Machine With Full-Time Operator	64,886.36	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0177 Ride-On Self-Propelled, Rubber Tire Rollers <small>(01 22 23 00-0172)</small>		
01 22 23 00-0178 DAY 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,239.05	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0179 WK 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	5,393.55	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0180 MO 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	21,385.11	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0181 DAY 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,395.69	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0182 WK 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	6,558.38	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0183 MO 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	23,143.75	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0184 DAY 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	11,402.81	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0185 WK 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	6,095.58	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0186 MO 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	23,485.51	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0187 Ride-On Self-Propelled, Padfoot Rollers <small>(01 22 23 00-0172)</small>		
01 22 23 00-0188 DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,303.13	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0189 WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,469.02	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0190 MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	21,819.43	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0191 DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,602.17	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0192 WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,074.22	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0193 MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	23,727.59	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0194 DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,673.37	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0195 WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,522.78	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0196 MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,980.71	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0197 Towed, Padfoot Rollers <small>(01 22 23 00-0172)</small>		
01 22 23 00-0198 DAY 48" Wide, 40" Diameter, Towed Padfoot Roller	135.28	
01 22 23 00-0199 WK 48" Wide, 40" Diameter, Towed Padfoot Roller	391.60	
01 22 23 00-0200 MO 48" Wide, 40" Diameter, Towed Padfoot Roller	1,153.44	
01 22 23 00-0201 DAY 60" Wide, 60" Diameter, Towed Padfoot Roller	170.88	
01 22 23 00-0202 WK 60" Wide, 60" Diameter, Towed Padfoot Roller	477.04	
01 22 23 00-0203 MO 60" Wide, 60" Diameter, Towed Padfoot Roller	2,029.20	
01 22 23 00-0204 Static Rollers <small>(01 22 23 00-0172)</small>		
01 22 23 00-0205 DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	1,338.73	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0206 WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	5,775.18	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0207 MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	22,823.35	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0208 DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	1,495.37	
<i>For Equipment Without Operator, Deduct</i>	-833.21	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0209	WK		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	6,202.38	
			<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0210	MO		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	24,005.27	
			<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0211			Ride-On Self-Propelled, Smooth Drum Vibratory Rollers <small>(01 22 23 00-0172)</small>		
01 22 23 00-0212	DAY		1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,110.89	
			<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0213	WK		1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,977.74	
			<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0214	MO		1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	20,188.95	
			<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0215	DAY		3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,217.69	
			<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0216	WK		3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,298.14	
			<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0217	MO		3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	21,043.35	
			<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0218	DAY		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,288.89	
			<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0219	WK		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,511.74	
			<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0220	MO		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	21,612.95	
			<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0221	DAY		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,381.45	
			<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0222	WK		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,782.30	
			<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0223	MO		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	22,317.83	
			<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0224	DAY		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,566.57	
			<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0225	WK		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,323.42	
			<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0226	MO		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	23,748.95	
			<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0227			Steel Roadway Plates <small>(01 22 23 00-0171)</small>		
			Note: 3 day minimum. Excludes delivery. See CSI section 01 71 13 00-0001 for material delivery on truck.		
01 22 23 00-0228	EA		Placement And Removal Of Steel Roadway Plates.....	54.61	
01 22 23 00-0229	DAY		1" x 4' x 8' Steel Plate	38.04	
01 22 23 00-0230	WK		1" x 4' x 8' Steel Plate	89.83	
01 22 23 00-0231	MO		1" x 4' x 8' Steel Plate	118.21	
01 22 23 00-0232	DAY		1" x 4' x 10' Steel Plate	50.73	
01 22 23 00-0233	WK		1" x 4' x 10' Steel Plate	114.13	
01 22 23 00-0234	MO		1" x 4' x 10' Steel Plate	139.50	
01 22 23 00-0235	DAY		1" x 5' x 10' Steel Plate	52.84	
01 22 23 00-0236	WK		1" x 5' x 10' Steel Plate	119.42	
01 22 23 00-0237	MO		1" x 5' x 10' Steel Plate	317.04	
01 22 23 00-0238	DAY		1" x 6' x 8' Steel Plate	33.82	
01 22 23 00-0239	WK		1" x 6' x 8' Steel Plate	76.09	
01 22 23 00-0240	MO		1" x 6' x 8' Steel Plate	202.91	
01 22 23 00-0241	DAY		1" x 6' x 10' Steel Plate	63.41	
01 22 23 00-0242	WK		1" x 6' x 10' Steel Plate	83.49	
01 22 23 00-0243	MO		1" x 6' x 10' Steel Plate	222.98	
01 22 23 00-0244	DAY		1" x 6' x 12' Steel Plate	88.77	
01 22 23 00-0245	WK		1" x 6' x 12' Steel Plate	113.61	
01 22 23 00-0246	MO		1" x 6' x 12' Steel Plate	307.53	
01 22 23 00-0247	DAY		1" x 8' x 10' Steel Plate	56.01	
01 22 23 00-0248	WK		1" x 8' x 10' Steel Plate	125.76	
01 22 23 00-0249	MO		1" x 8' x 10' Steel Plate	335.01	
01 22 23 00-0250	DAY		1" x 8' x 12' Steel Plate	101.45	
01 22 23 00-0251	WK		1" x 8' x 12' Steel Plate	125.76	
01 22 23 00-0252	MO		1" x 8' x 12' Steel Plate	608.72	
01 22 23 00-0253	DAY		1" x 8' x 16' Steel Plate	135.27	
01 22 23 00-0254	WK		1" x 8' x 16' Steel Plate	304.36	
01 22 23 00-0255	MO		1" x 8' x 16' Steel Plate	811.62	
01 22 23 00-0256	LF		Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	2.44	1.06
01 22 23 00-0257	EA		Removal And Resetting Of Steel Roadway Plate	30.34	
01 22 23 00-0258			Street Sweepers <small>(01 22 23 00-0171)</small>		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0259	DAY		8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	977.69	
			<i>For Equipment Without Operator, Deduct</i>	-791.07	
01 22 23 00-0260	WK		8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	4,694.85	
			<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
01 22 23 00-0261	MO		8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	19,774.52	
			<i>For Equipment Without Operator, Deduct</i>	-17,139.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0262 DAY Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	1,712.48	
Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
<i>For Equipment Without Operator, Deduct</i>	-791.07	
01 22 23 00-0263 WK Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	7,646.07	
Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
01 22 23 00-0264 MO Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	30,311.11	
Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
 01 22 23 00-0265 Earthmoving Equipment (01 22 23)		
01 22 23 00-0266 Skid-Steer Loaders (01 22 23 00-0265)		
Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.		
01 22 23 00-0267 DAY 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,140.70	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
01 22 23 00-0268 WK 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	4,872.57	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
01 22 23 00-0269 MO 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	19,348.74	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
01 22 23 00-0270 DAY 1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,232.87	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
01 22 23 00-0271 WK 1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	5,039.34	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
01 22 23 00-0272 MO 1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	19,714.46	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
01 22 23 00-0273 DAY 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,259.20	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
01 22 23 00-0274 WK 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	5,279.25	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
01 22 23 00-0275 MO 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	20,350.83	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
01 22 23 00-0276 DAY 2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,361.60	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
01 22 23 00-0277 WK 2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	5,615.72	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
01 22 23 00-0278 MO 2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	21,462.63	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
01 22 23 00-0279 DAY 3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	5,279.15	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
01 22 23 00-0280 WK 3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	6,281.34	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
01 22 23 00-0281 MO 3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	23,101.08	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
01 22 23 00-0282 DAY Hydraulic Hammer Attachment For Skid-Steer Loaders	292.58	
01 22 23 00-0283 WK Hydraulic Hammer Attachment For Skid-Steer Loaders	972.83	
01 22 23 00-0284 MO Hydraulic Hammer Attachment For Skid-Steer Loaders	2,589.33	
01 22 23 00-0285 DAY Forklift Attachment For Skid-Steer Loaders	62.90	
01 22 23 00-0286 WK Forklift Attachment For Skid-Steer Loaders	168.23	
01 22 23 00-0287 MO Forklift Attachment For Skid-Steer Loaders	475.44	
01 22 23 00-0288 DAY Backhoe Attachment For Skid-Steer Loaders	138.98	
01 22 23 00-0289 WK Backhoe Attachment For Skid-Steer Loaders	333.54	
01 22 23 00-0290 MO Backhoe Attachment For Skid-Steer Loaders	829.46	
01 22 23 00-0291 DAY Broom Attachment For Skid-Steer Loaders	137.51	
01 22 23 00-0292 WK Broom Attachment For Skid-Steer Loaders	373.04	
01 22 23 00-0293 MO Broom Attachment For Skid-Steer Loaders	987.46	
01 22 23 00-0294 DAY Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	119.96	
01 22 23 00-0295 WK Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	330.62	
01 22 23 00-0296 MO Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	902.61	
01 22 23 00-0297 DAY Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	33.06	
01 22 23 00-0298 WK Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	86.50	
01 22 23 00-0299 MO Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	254.41	
01 22 23 00-0300 DAY >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	44.52	
01 22 23 00-0301 WK >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	110.67	
01 22 23 00-0302 MO >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	330.75	
01 22 23 00-0303 DAY Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	64.86	
01 22 23 00-0304 WK Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	197.18	
01 22 23 00-0305 MO Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	585.16	
01 22 23 00-0306 DAY 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	13.17	
01 22 23 00-0307 WK 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	30.72	
01 22 23 00-0308 MO 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	81.92	
 01 22 23 00-0309 Bulldozers (01 22 23 00-0265)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0310 DAY 70 HP, D3 Bulldozer With Full-Time Operator	1,186.32	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0311 WK 70 HP, D3 Bulldozer With Full-Time Operator	5,558.52	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0312 MO 70 HP, D3 Bulldozer With Full-Time Operator	22,183.70	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0313 DAY 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	1,352.89	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0314 WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	6,231.44	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0315 MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	24,249.07	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0316 DAY 140 HP, D6 Bulldozer With Full-Time Operator.....	1,825.92	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0317 WK 140 HP, D6 Bulldozer With Full-Time Operator.....	8,123.58	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0318 MO 140 HP, D6 Bulldozer With Full-Time Operator.....	29,912.20	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0319 DAY 200 HP, D7 Bulldozer With Full-Time Operator.....	2,245.66	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0320 WK 200 HP, D7 Bulldozer With Full-Time Operator.....	9,809.20	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0321 MO 200 HP, D7 Bulldozer With Full-Time Operator.....	34,975.70	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0322 DAY 335 HP, D8 Bulldozer With Full-Time Operator.....	2,745.35	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0323 WK 335 HP, D8 Bulldozer With Full-Time Operator.....	11,807.95	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0324 MO 335 HP, D8 Bulldozer With Full-Time Operator.....	40,971.95	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0325 DAY 460 HP, D9 Bulldozer With Full-Time Operator.....	3,025.17	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0326 WK 460 HP, D9 Bulldozer With Full-Time Operator.....	12,920.58	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0327 MO 460 HP, D9 Bulldozer With Full-Time Operator.....	44,303.20	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0328 Motor Scraper <small>(01 22 23 00-0265)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0329 DAY 11 CY Motor Scraper-Hauler With Full-Time Operator.....	2,105.38	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0330 WK 11 CY Motor Scraper-Hauler With Full-Time Operator.....	9,254.74	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0331 MO 11 CY Motor Scraper-Hauler With Full-Time Operator.....	33,301.57	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0332 DAY 18 CY Motor Scraper-Hauler With Full-Time Operator.....	2,619.48	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0333 WK 18 CY Motor Scraper-Hauler With Full-Time Operator.....	11,311.13	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0334 MO 18 CY Motor Scraper-Hauler With Full-Time Operator.....	39,488.16	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0335 DAY 24 CY Motor Scraper-Hauler With Full-Time Operator.....	3,116.15	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0336 WK 24 CY Motor Scraper-Hauler With Full-Time Operator.....	13,289.09	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0337 MO 24 CY Motor Scraper-Hauler With Full-Time Operator.....	45,413.34	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0338 Hydraulic Excavators <small>(01 22 23 00-0265)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0339 DAY 3/8 CY Hydraulic Excavator With Full-Time Operator.....	1,211.10	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0340 WK 3/8 CY Hydraulic Excavator With Full-Time Operator.....	5,502.68	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0341 MO 3/8 CY Hydraulic Excavator With Full-Time Operator.....	22,531.67	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0342 DAY 1/2 CY Hydraulic Excavator With Full-Time Operator.....	1,317.47	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0343 WK 1/2 CY Hydraulic Excavator With Full-Time Operator.....	5,971.54	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0344 MO 1/2 CY Hydraulic Excavator With Full-Time Operator.....	24,407.13	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0345 DAY 5/8 CY Hydraulic Excavator With Full-Time Operator.....	1,351.06	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0346 WK 5/8 CY Hydraulic Excavator With Full-Time Operator.....	6,146.49	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0347 MO 5/8 CY Hydraulic Excavator With Full-Time Operator.....	24,715.05	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0348 DAY 3/4 CY Hydraulic Excavator With Full-Time Operator.....	1,386.05	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0349 WK 3/4 CY Hydraulic Excavator With Full-Time Operator.....	6,307.45	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0350 MO 3/4 CY Hydraulic Excavator With Full-Time Operator.....	25,022.96	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0351 DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	1,414.04	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0352 WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	6,475.40	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0353 MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	25,330.87	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0354 DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator.....	1,791.94	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0355 WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator.....	7,979.97	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0356 MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator.....	29,494.68	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0357 DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator.....	31,847.92	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0358 WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator.....	8,224.90	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0359 MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator.....	30,229.47	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0360 DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator.....	1,952.89	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0361 WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator.....	8,644.78	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0362 MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator.....	31,489.11	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0363 DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	2,071.86	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0364 WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	9,113.65	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0365 MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	32,888.71	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0366 DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator.....	2,106.85	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0367 WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator.....	9,253.61	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0368 MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator.....	33,308.59	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0369 DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	2,442.75	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0370 WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	10,604.22	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0371 MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	37,367.43	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0372 DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	2,925.61	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0373 WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	12,521.67	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0374 MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	43,105.79	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0375 DAY 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	3,520.44	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0376 WK 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	14,900.99	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0377 MO 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	50,243.75	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0378 DAY Thumbs Or Grapple Attachment For Hydraulic Excavators	97.97	
01 22 23 00-0379 WK Thumbs Or Grapple Attachment For Hydraulic Excavators	377.89	
01 22 23 00-0380 MO Thumbs Or Grapple Attachment For Hydraulic Excavators	1,119.68	
01 22 23 00-0381 DAY 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	433.88	
01 22 23 00-0382 WK 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,147.67	
01 22 23 00-0383 MO 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	3,212.08	
01 22 23 00-0384 DAY 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	671.81	
01 22 23 00-0385 WK 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,714.51	
01 22 23 00-0386 MO 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	4,457.73	
01 22 23 00-0387 DAY 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	937.73	
01 22 23 00-0388 WK 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	2,526.28	
01 22 23 00-0389 MO 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	7,081.98	
01 22 23 00-0390 DAY 24" Compaction Wheel Attachment For Hydraulic Excavators	195.94	
01 22 23 00-0391 WK 24" Compaction Wheel Attachment For Hydraulic Excavators	783.78	
01 22 23 00-0392 MO 24" Compaction Wheel Attachment For Hydraulic Excavators	2,351.33	
01 22 23 00-0393 DAY 36" Compaction Wheel Attachment For Hydraulic Excavators	279.92	
01 22 23 00-0394 WK 36" Compaction Wheel Attachment For Hydraulic Excavators	1,119.68	
01 22 23 00-0395 MO 36" Compaction Wheel Attachment For Hydraulic Excavators	3,359.04	
01 22 23 00-0396 DAY 48" Compaction Wheel Attachment For Hydraulic Excavators	307.91	
01 22 23 00-0397 WK 48" Compaction Wheel Attachment For Hydraulic Excavators	1,217.65	
01 22 23 00-0398 MO 48" Compaction Wheel Attachment For Hydraulic Excavators	3,638.96	
01 22 23 00-0399 Mini-Excavators <small>(01 22 23 00-0265)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0400 DAY 2,000 LB Mini-Excavator With Full-Time Operator.....	1,127.13	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0401 WK 2,000 LB Mini-Excavator With Full-Time Operator.....	4,998.82	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0402 MO 2,000 LB Mini-Excavator With Full-Time Operator.....	19,886.43	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0403 DAY 3,500 LB Mini-Excavator With Full-Time Operator.....	1,134.12	
<i>For Equipment Without Operator, Deduct</i>	-833.21	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0404 WK 3,500 LB Mini-Excavator With Full-Time Operator.....	5,019.82	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0405 MO 3,500 LB Mini-Excavator With Full-Time Operator.....	20,327.30	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0406 DAY 6,000 LB Mini-Excavator With Full-Time Operator.....	1,169.11	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0407 WK 6,000 LB Mini-Excavator With Full-Time Operator.....	5,117.79	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0408 MO 6,000 LB Mini-Excavator With Full-Time Operator.....	20,390.28	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0409 DAY 7,500 LB Mini-Excavator With Full-Time Operator.....	1,183.11	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0410 WK 7,500 LB Mini-Excavator With Full-Time Operator.....	5,166.77	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0411 MO 7,500 LB Mini-Excavator With Full-Time Operator.....	20,418.27	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0412 DAY 9,500 LB Mini-Excavator With Full-Time Operator.....	1,267.09	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0413 WK 9,500 LB Mini-Excavator With Full-Time Operator.....	5,236.75	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0414 MO 9,500 LB Mini-Excavator With Full-Time Operator.....	21,230.04	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0415 DAY 11,000 LB Mini-Excavator With Full-Time Operator.....	1,274.08	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0416 WK 11,000 LB Mini-Excavator With Full-Time Operator.....	5,586.65	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0417 MO 11,000 LB Mini-Excavator With Full-Time Operator.....	21,265.03	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0418 Road Graders <small>(01 22 23 00-0265)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0419 DAY 60 HP Road Grader With Full-Time Operator.....	1,553.64	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0420 WK 60 HP Road Grader With Full-Time Operator.....	6,114.92	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0421 MO 60 HP Road Grader With Full-Time Operator.....	23,881.06	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0422 DAY 80 HP Road Grader With Full-Time Operator.....	1,766.08	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0423 WK 80 HP Road Grader With Full-Time Operator.....	6,706.05	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0424 MO 80 HP Road Grader With Full-Time Operator.....	25,672.91	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0425 DAY 130 HP Road Grader With Full-Time Operator.....	1,622.22	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0426 WK 130 HP Road Grader With Full-Time Operator.....	7,322.11	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0427 MO 130 HP Road Grader With Full-Time Operator.....	29,331.67	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0428 Loader-Backhoes With Standard Bucket <small>(01 22 23 00-0265)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0429 DAY 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	1,172.37	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0430 WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	4,971.57	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0431 MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	19,948.63	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0432 DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	1,208.71	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0433 WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	5,098.76	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0434 MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	20,723.87	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0435 DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	1,264.74	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0436 WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	5,238.06	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0437 MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	21,123.60	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0438 DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	1,514.57	
<i>For Equipment Without Operator, Deduct</i>	-833.21	
01 22 23 00-0439 WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	5,983.01	
<i>For Equipment Without Operator, Deduct</i>	-4,166.06	
01 22 23 00-0440 MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	23,255.48	
<i>For Equipment Without Operator, Deduct</i>	-18,052.95	
01 22 23 00-0441 Heavy Duty Construction Loaders <small>(01 22 23 00-0265)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0442 DAY 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,388.21	
<i>For Equipment Without Operator, Deduct</i>	-833.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0443 WK 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	6,360.45	
For Equipment Without Operator, Deduct	-4,166.06	
01 22 23 00-0444 MO 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	24,627.59	
For Equipment Without Operator, Deduct	-18,052.95	
01 22 23 00-0445 DAY 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	1,849.29	
For Equipment Without Operator, Deduct	-833.21	
01 22 23 00-0446 WK 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	6,864.23	
For Equipment Without Operator, Deduct	-4,166.06	
01 22 23 00-0447 MO 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	24,883.75	
For Equipment Without Operator, Deduct	-18,052.95	
01 22 23 00-0448 DAY 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	1,951.75	
For Equipment Without Operator, Deduct	-833.21	
01 22 23 00-0449 WK 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	7,137.46	
For Equipment Without Operator, Deduct	-4,166.06	
01 22 23 00-0450 MO 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	25,566.83	
For Equipment Without Operator, Deduct	-18,052.95	
01 22 23 00-0451 DAY 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	2,233.52	
For Equipment Without Operator, Deduct	-833.21	
01 22 23 00-0452 WK 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	7,880.31	
For Equipment Without Operator, Deduct	-4,166.06	
01 22 23 00-0453 MO 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	27,445.30	
For Equipment Without Operator, Deduct	-18,052.95	
01 22 23 00-0454 DAY 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	2,959.30	
For Equipment Without Operator, Deduct	-833.21	
01 22 23 00-0455 WK 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	12,653.33	
For Equipment Without Operator, Deduct	-4,166.06	
01 22 23 00-0456 MO 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	43,497.68	
For Equipment Without Operator, Deduct	-18,052.95	
01 22 23 00-0457 DAY 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	7,740.77	
For Equipment Without Operator, Deduct	-833.21	
01 22 23 00-0458 WK 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	26,596.46	
For Equipment Without Operator, Deduct	-4,166.06	
01 22 23 00-0459 MO 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	79,181.86	
For Equipment Without Operator, Deduct	-18,052.95	
01 22 23 00-0460 Gradall, Telescopic Hydraulic Excavators <small>(01 22 23 00-0265)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0461 DAY Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	2,778.32	
For Equipment Without Operator, Deduct	-833.21	
For Track Gradall, Add	233.41	
01 22 23 00-0462 WK Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	11,937.82	
For Equipment Without Operator, Deduct	-4,166.06	
For Track Gradall, Add	932.61	
01 22 23 00-0463 MO Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	45,791.47	
For Equipment Without Operator, Deduct	-18,052.95	
For Track Gradall, Add	3,328.62	
01 22 23 00-0464 Shoring <small>(01 22 23 00-0265)</small>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0465 Aluminum Hydraulic Shoring <small>(01 22 23 00-0464)</small>		
Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.		
01 22 23 00-0466 WK 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	111.58	
Note: Up to 88" spread width.		
01 22 23 00-0467 MO 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	329.12	
Note: Up to 88" spread width.		
01 22 23 00-0468 WK Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	149.69	
Note: Up to 88" spread width.		
01 22 23 00-0469 MO Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	441.51	
Note: Up to 88" spread width.		
01 22 23 00-0470 WK Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	277.56	
Note: Up to 88" spread width.		
01 22 23 00-0471 MO Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	818.79	
Note: Up to 88" spread width.		
01 22 23 00-0472 EA Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores.....	26.92	
01 22 23 00-0473 EA Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	43.07	
01 22 23 00-0474 EA Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	71.78	
01 22 23 00-0475 Trench Boxes/Trench Shields <small>(01 22 23 00-0265)</small>		
Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.		
01 22 23 00-0476 WK 4' x 6' Trench Box With Up To 48" Spreaders.....	229.62	
01 22 23 00-0477 MO 4' x 6' Trench Box With Up To 48" Spreaders.....	688.85	
01 22 23 00-0478 WK 6' x 6' Trench Box With Up To 48" Spreaders.....	259.24	
01 22 23 00-0479 MO 6' x 6' Trench Box With Up To 48" Spreaders.....	777.74	
01 22 23 00-0480 WK 8' x 6' Trench Box With Up To 48" Spreaders.....	274.06	
01 22 23 00-0481 MO 8' x 6' Trench Box With Up To 48" Spreaders.....	822.18	
01 22 23 00-0482 WK 4' x 8' Trench Box With Up To 48" Spreaders.....	251.84	
01 22 23 00-0483 MO 4' x 8' Trench Box With Up To 48" Spreaders.....	755.51	
01 22 23 00-0484 WK 6' x 8' Trench Box With Up To 48" Spreaders.....	296.28	
01 22 23 00-0485 MO 6' x 8' Trench Box With Up To 48" Spreaders.....	888.84	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0486	WK	8' x 8' Trench Box With Up To 48" Spreaders.....	333.32	
01 22 23 00-0487	MO	8' x 8' Trench Box With Up To 48" Spreaders.....	999.94	
01 22 23 00-0488	WK	4' x 10' Trench Box With Up To 48" Spreaders.....	281.47	
01 22 23 00-0489	MO	4' x 10' Trench Box With Up To 48" Spreaders.....	844.40	
01 22 23 00-0490	WK	6' x 10' Trench Box With Up To 48" Spreaders.....	333.32	
01 22 23 00-0491	MO	6' x 10' Trench Box With Up To 48" Spreaders.....	999.94	
01 22 23 00-0492	WK	8' x 10' Trench Box With Up To 48" Spreaders.....	407.38	
01 22 23 00-0493	MO	8' x 10' Trench Box With Up To 48" Spreaders.....	1,224.75	
01 22 23 00-0494	WK	4' x 12' Trench Box With Up To 48" Spreaders.....	333.32	
01 22 23 00-0495	MO	4' x 12' Trench Box With Up To 48" Spreaders.....	999.94	
01 22 23 00-0496	WK	6' x 12' Trench Box With Up To 48" Spreaders.....	407.38	
01 22 23 00-0497	MO	6' x 12' Trench Box With Up To 48" Spreaders.....	1,222.16	
01 22 23 00-0498	WK	8' x 12' Trench Box With Up To 48" Spreaders.....	518.49	
01 22 23 00-0499	MO	8' x 12' Trench Box With Up To 48" Spreaders.....	1,555.47	
01 22 23 00-0500	WK	4' x 14' Trench Box With Up To 48" Spreaders.....	370.35	
01 22 23 00-0501	MO	4' x 14' Trench Box With Up To 48" Spreaders.....	1,111.05	
01 22 23 00-0502	WK	6' x 14' Trench Box With Up To 48" Spreaders.....	481.46	
01 22 23 00-0503	MO	6' x 14' Trench Box With Up To 48" Spreaders.....	1,444.36	
01 22 23 00-0504	WK	8' x 14' Trench Box With Up To 48" Spreaders.....	592.56	
01 22 23 00-0505	MO	8' x 14' Trench Box With Up To 48" Spreaders.....	1,777.68	
01 22 23 00-0506	WK	4' x 16' Trench Box With Up To 48" Spreaders.....	407.38	
01 22 23 00-0507	MO	4' x 16' Trench Box With Up To 48" Spreaders.....	1,222.16	
01 22 23 00-0508	WK	6' x 16' Trench Box With Up To 48" Spreaders.....	555.52	
01 22 23 00-0509	MO	6' x 16' Trench Box With Up To 48" Spreaders.....	1,666.58	
01 22 23 00-0510	WK	8' x 16' Trench Box With Up To 48" Spreaders.....	666.63	
01 22 23 00-0511	MO	8' x 16' Trench Box With Up To 48" Spreaders.....	1,999.89	
01 22 23 00-0512	WK	4' x 20' Trench Box With Up To 48" Spreaders.....	481.46	
01 22 23 00-0513	MO	4' x 20' Trench Box With Up To 48" Spreaders.....	1,444.36	
01 22 23 00-0514	WK	6' x 20' Trench Box With Up To 48" Spreaders.....	666.63	
01 22 23 00-0515	MO	6' x 20' Trench Box With Up To 48" Spreaders.....	1,999.89	
01 22 23 00-0516	WK	8' x 20' Trench Box With Up To 48" Spreaders.....	777.74	
01 22 23 00-0517	MO	8' x 20' Trench Box With Up To 48" Spreaders.....	2,333.20	
01 22 23 00-0518	WK	4' x 24' Trench Box With Up To 48" Spreaders.....	666.63	
01 22 23 00-0519	MO	4' x 24' Trench Box With Up To 48" Spreaders.....	1,999.89	
01 22 23 00-0520	WK	6' x 24' Trench Box With Up To 48" Spreaders.....	814.77	
01 22 23 00-0521	MO	6' x 24' Trench Box With Up To 48" Spreaders.....	2,444.31	
01 22 23 00-0522	WK	8' x 24' Trench Box With Up To 48" Spreaders.....	888.84	
01 22 23 00-0523	MO	8' x 24' Trench Box With Up To 48" Spreaders.....	2,666.52	
01 22 23 00-0524	WK	For Spreaders >48" To 84", Add.....	22.22	
01 22 23 00-0525	MO	For Spreaders >48" To 84", Add.....	66.66	
01 22 23 00-0526	WK	For Spreaders >84" To 120", Add.....	133.33	
01 22 23 00-0527	MO	For Spreaders >84" To 120", Add.....	399.98	
01 22 23 00-0528	WK	For Spreaders >120", Add.....	281.47	
01 22 23 00-0529	MO	For Spreaders >120", Add.....	844.40	
01 22 23 00-0530	WK	8' x 4' Manhole Box.....	349.98	
01 22 23 00-0531	MO	8' x 4' Manhole Box.....	1,049.94	
01 22 23 00-0532	WK	8' x 8' Manhole Box.....	499.97	
01 22 23 00-0533	MO	8' x 8' Manhole Box.....	1,499.92	

01 22 23 00-0534 Trenchers (01 22 23 00-0265)

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

01 22 23 00-0535	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,200.77	
		<i>For Equipment Without Operator, Deduct</i>	-791.07	
01 22 23 00-0536	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	5,350.86	
		<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
01 22 23 00-0537	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	20,980.66	
		<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
01 22 23 00-0538	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,892.13	
		<i>For Equipment Without Operator, Deduct</i>	-791.07	
01 22 23 00-0539	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	7,681.00	
		<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
01 22 23 00-0540	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	27,382.16	
		<i>For Equipment Without Operator, Deduct</i>	-17,139.76	

01 22 23 00-0541 Heavy Equipment (Ground Protection) Mats (01 22 23 00-0265)

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0265 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0542	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	35.15	
01 22 23 00-0543	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	83.68	
01 22 23 00-0544	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	175.73	
01 22 23 00-0545	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	36.90	
01 22 23 00-0546	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	87.86	
01 22 23 00-0547	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	184.52	
01 22 23 00-0548	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	29.87	
01 22 23 00-0549	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	70.29	
01 22 23 00-0550	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	149.37	
01 22 23 00-0551	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	33.39	
01 22 23 00-0552	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	79.08	
01 22 23 00-0553	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	166.94	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0554	Day	20'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	36.90	
01 22 23 00-0555	WK	20'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	87.86	
01 22 23 00-0556	MO	20'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	184.52	
01 22 23 00-0557	Day	24'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	40.42	
01 22 23 00-0558	WK	24'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	96.23	
01 22 23 00-0559	MO	24'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	202.09	
01 22 23 00-0560	Day	12'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	31.63	
01 22 23 00-0561	WK	12'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	87.86	
01 22 23 00-0562	MO	12'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	158.16	
01 22 23 00-0563	Day	16'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	36.90	
01 22 23 00-0564	WK	16'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	87.86	
01 22 23 00-0565	MO	16'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	184.52	
01 22 23 00-0566	Day	20'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	43.93	
01 22 23 00-0567	WK	20'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	96.65	
01 22 23 00-0568	MO	20'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	219.66	
01 22 23 00-0569	Day	24'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	47.45	
01 22 23 00-0570	WK	24'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	112.97	
01 22 23 00-0571	MO	24'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	237.24	
01 22 23 00-0572	Day	28'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	50.96	
01 22 23 00-0573	WK	28'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	121.34	
01 22 23 00-0574	MO	28'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	254.81	
01 22 23 00-0575	Day	30'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	52.72	
01 22 23 00-0576	WK	30'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	125.52	
01 22 23 00-0577	MO	30'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	263.60	
01 22 23 00-0578	Day	14'	Width x 8'	Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	16.91	
01 22 23 00-0579	WK	14'	Width x 8'	Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	42.26	
01 22 23 00-0580	MO	14'	Width x 8'	Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	126.79	
01 22 23 00-0581	Day	14'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	20.21	
01 22 23 00-0582	WK	14'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	50.52	
01 22 23 00-0583	MO	14'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	151.57	
01 22 23 00-0584	Day	16'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	23.08	
01 22 23 00-0585	WK	16'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	57.70	
01 22 23 00-0586	MO	16'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	173.09	
01 22 23 00-0587	Day	14'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	24.60	
01 22 23 00-0588	WK	14'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	61.51	
01 22 23 00-0589	MO	14'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	184.52	
01 22 23 00-0590	Day	16'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	28.12	
01 22 23 00-0591	WK	16'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	70.29	
01 22 23 00-0592	MO	16'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	210.88	
01 22 23 00-0593	Day	16'	Width x 8'	Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	32.31	
01 22 23 00-0594	WK	16'	Width x 8'	Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	80.78	
01 22 23 00-0595	MO	16'	Width x 8'	Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	242.33	
01 22 23 00-0596	Day	24'	Width x 4'	Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	24.86	
01 22 23 00-0597	WK	24'	Width x 4'	Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	62.15	
01 22 23 00-0598	MO	24'	Width x 4'	Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	186.45	
01 22 23 00-0599	Day	30'	Width x 4'	Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	33.66	
01 22 23 00-0600	WK	30'	Width x 4'	Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	84.15	
01 22 23 00-0601	MO	30'	Width x 4'	Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	252.44	
01 22 23 00-0602	Day	24'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	29.10	
01 22 23 00-0603	WK	24'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	72.75	
01 22 23 00-0604	MO	24'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	218.26	
01 22 23 00-0605	Day	40'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	48.53	
01 22 23 00-0606	WK	40'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	121.34	
01 22 23 00-0607	MO	40'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	364.01	
01 22 23 00-0608	Day	40'	Width x 4'	Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	51.73	
01 22 23 00-0609	WK	40'	Width x 4'	Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	129.34	
01 22 23 00-0610	MO	40'	Width x 4'	Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	388.01	

01 22 23 00-0611 Electrical Equipment (01 22 23)

01 22 23 00-0612 Tripod Mounted Floodlights (01 22 23 00-0611)

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

01 22 23 00-0613	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	62.62
01 22 23 00-0614	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	148.14
01 22 23 00-0615	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	313.08
01 22 23 00-0616	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	62.62
01 22 23 00-0617	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	183.26
01 22 23 00-0618	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	542.16
01 22 23 00-0619	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	70.25
01 22 23 00-0620	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	190.90
01 22 23 00-0621	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	465.80

01 22 23 00-0622 Trailer Mounted Floodlights (01 22 23 00-0611)

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

01 22 23 00-0623	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	175.63
01 22 23 00-0624	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	389.44
01 22 23 00-0625	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	839.96

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



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

01 22 23 00-0626	Generator Sets <small>(01 22 23 00-0611)</small>	
01 22 23 00-0627	Portable, Gas Or Diesel Powered Generator Sets <small>(01 22 23 00-0626)</small>	
	<small>Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0769 for reimbursable fuel fees.</small>	
01 22 23 00-0628	DAY 3.6 KW, 8 HP Gas Powered Generator Set.....	52.78
	<i>For LP Or NG Gas, Add</i>	6.60
	<i>For >160 To 320 Hours Usage Per Month, Add</i>	26.39
01 22 23 00-0629	WK 3.6 KW, 8 HP Gas Powered Generator Set.....	190.25
	<i>For LP Or NG Gas, Add</i>	23.78
01 22 23 00-0630	MO 3.6 KW, 8 HP Gas Powered Generator Set.....	527.78
	<i>For LP Or NG Gas, Add</i>	65.97
01 22 23 00-0631	DAY 5 KW, 11 HP Gas Powered Generator Set.....	74.87
	<i>For LP Or NG Gas, Add</i>	9.36
01 22 23 00-0632	WK 5 KW, 11 HP Gas Powered Generator Set.....	239.34
	<i>For LP Or NG Gas, Add</i>	29.92
01 22 23 00-0633	MO 5 KW, 11 HP Gas Powered Generator Set.....	546.19
	<i>For LP Or NG Gas, Add</i>	68.27
01 22 23 00-0634	DAY 6.5 KW, 13 HP Gas Powered Generator Set.....	95.74
	<i>For LP Or NG Gas, Add</i>	11.97
01 22 23 00-0635	WK 6.5 KW, 13 HP Gas Powered Generator Set.....	257.75
	<i>For LP Or NG Gas, Add</i>	32.22
01 22 23 00-0636	MO 6.5 KW, 13 HP Gas Powered Generator Set.....	711.89
	<i>For LP Or NG Gas, Add</i>	88.99
01 22 23 00-0637	DAY 10 KW, 18 HP Gas Powered Generator Set.....	106.78
	<i>For LP Or NG Gas, Add</i>	13.35
01 22 23 00-0638	WK 10 KW, 18 HP Gas Powered Generator Set.....	288.44
	<i>For LP Or NG Gas, Add</i>	36.06
01 22 23 00-0639	MO 10 KW, 18 HP Gas Powered Generator Set.....	828.50
	<i>For LP Or NG Gas, Add</i>	103.56

01 22 23 00-0640	Towable, Diesel Powered Generator Sets <small>(01 22 23 00-0626)</small>	
	<small>Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0769 for reimbursable fuel fees.</small>	
01 22 23 00-0641	DAY 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	219.70
	<small>Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.</small>	
	<i>For >8 To 16 Hours Usage Per Day, Add</i>	109.85
	<i>For >16 To 24 Hours Usage Per Day, Add</i>	219.70
01 22 23 00-0642	WK 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	574.42
	<small>Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.</small>	
	<i>For >40 To 80 Hours Usage Per Week, Add</i>	287.21
	<i>For >80 Hours Usage Per Week, Add</i>	574.42
01 22 23 00-0643	MO 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,564.94
	<small>Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.</small>	
	<i>For >160 To 320 Hours Usage Per Month, Add</i>	782.47
	<i>For >320 Hours Usage Per Month, Add</i>	1,564.94
01 22 23 00-0644	DAY 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	335.48
	<small>Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.</small>	
	<i>For >8 To 16 Hours Usage Per Day, Add</i>	167.74
	<i>For >16 To 24 Hours Usage Per Day, Add</i>	335.48
01 22 23 00-0645	WK 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	995.62
	<small>Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.</small>	
	<i>For >40 To 80 Hours Usage Per Week, Add</i>	497.81
	<i>For >80 Hours Usage Per Week, Add</i>	995.62
01 22 23 00-0646	MO 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,056.18
	<small>Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.</small>	
	<i>For >160 To 320 Hours Usage Per Month, Add</i>	1,028.09
	<i>For >320 Hours Usage Per Month, Add</i>	2,056.18
01 22 23 00-0647	DAY 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	367.95
	<small>Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.</small>	
	<i>For >8 To 16 Hours Usage Per Day, Add</i>	183.98
	<i>For >16 To 24 Hours Usage Per Day, Add</i>	367.95
01 22 23 00-0648	WK 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,028.09
	<small>Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.</small>	
	<i>For >40 To 80 Hours Usage Per Week, Add</i>	514.05
	<i>For >80 Hours Usage Per Week, Add</i>	1,028.09
01 22 23 00-0649	MO 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,272.62
	<small>Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.</small>	
	<i>For >160 To 320 Hours Usage Per Month, Add</i>	1,136.31
	<i>For >320 Hours Usage Per Month, Add</i>	2,272.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0650 DAY 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	395.00	
Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
<i>For >8 To 16 Hours Usage Per Day, Add</i>	197.50	
<i>For >16 To 24 Hours Usage Per Day, Add</i>	395.00	
01 22 23 00-0651 WK 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,082.20	
Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
<i>For >40 To 80 Hours Usage Per Week, Add</i>	541.10	
<i>For >80 Hours Usage Per Week, Add</i>	1,082.20	
01 22 23 00-0652 MO 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,597.28	
Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
<i>For >160 To 320 Hours Usage Per Month, Add</i>	1,298.64	
<i>For >320 Hours Usage Per Month, Add</i>	2,597.28	
01 22 23 00-0653 DAY 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	432.88	
Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
<i>For >8 To 16 Hours Usage Per Day, Add</i>	216.44	
<i>For >16 To 24 Hours Usage Per Day, Add</i>	432.88	
01 22 23 00-0654 WK 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,228.30	
Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
<i>For >40 To 80 Hours Usage Per Week, Add</i>	614.15	
<i>For >80 Hours Usage Per Week, Add</i>	1,228.30	
01 22 23 00-0655 MO 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,921.94	
Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
<i>For >160 To 320 Hours Usage Per Month, Add</i>	1,460.97	
<i>For >320 Hours Usage Per Month, Add</i>	2,921.94	
01 22 23 00-0656 DAY 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	486.99	
Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
<i>For >8 To 16 Hours Usage Per Day, Add</i>	243.50	
<i>For >16 To 24 Hours Usage Per Day, Add</i>	486.99	
01 22 23 00-0657 WK 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,298.64	
Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
<i>For >40 To 80 Hours Usage Per Week, Add</i>	649.32	
<i>For >80 Hours Usage Per Week, Add</i>	1,298.64	
01 22 23 00-0658 MO 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,246.60	
Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
<i>For >160 To 320 Hours Usage Per Month, Add</i>	1,623.30	
<i>For >320 Hours Usage Per Month, Add</i>	3,246.60	
01 22 23 00-0659 DAY 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	503.22	
Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
<i>For >8 To 16 Hours Usage Per Day, Add</i>	251.61	
<i>For >16 To 24 Hours Usage Per Day, Add</i>	503.22	
01 22 23 00-0660 WK 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,352.75	
Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
<i>For >40 To 80 Hours Usage Per Week, Add</i>	676.38	
<i>For >80 Hours Usage Per Week, Add</i>	1,352.75	
01 22 23 00-0661 MO 100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,679.48	
Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
<i>For >160 To 320 Hours Usage Per Month, Add</i>	1,839.74	
<i>For >320 Hours Usage Per Month, Add</i>	3,679.48	
01 22 23 00-0662 DAY 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	568.16	
Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
<i>For >8 To 16 Hours Usage Per Day, Add</i>	284.08	
<i>For >16 To 24 Hours Usage Per Day, Add</i>	568.16	
01 22 23 00-0663 WK 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,569.19	
Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
<i>For >40 To 80 Hours Usage Per Week, Add</i>	784.60	
<i>For >80 Hours Usage Per Week, Add</i>	1,569.19	
01 22 23 00-0664 MO 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,220.58	
Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
<i>For >160 To 320 Hours Usage Per Month, Add</i>	2,110.29	
<i>For >320 Hours Usage Per Month, Add</i>	4,220.58	
01 22 23 00-0665 DAY 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	595.21	
Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
<i>For >8 To 16 Hours Usage Per Day, Add</i>	297.61	
<i>For >16 To 24 Hours Usage Per Day, Add</i>	595.21	
01 22 23 00-0666 WK 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,650.36	
Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
<i>For >40 To 80 Hours Usage Per Week, Add</i>	825.18	
<i>For >80 Hours Usage Per Week, Add</i>	1,650.36	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0667 MO 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,653.46	
Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,326.73	
For >320 Hours Usage Per Month, Add	4,653.46	
01 22 23 00-0668 DAY 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	622.26	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	311.13	
For >16 To 24 Hours Usage Per Day, Add	622.26	
01 22 23 00-0669 WK 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,785.63	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	892.82	
For >80 Hours Usage Per Week, Add	1,785.63	
01 22 23 00-0670 MO 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,869.90	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,434.95	
For >320 Hours Usage Per Month, Add	4,869.90	
01 22 23 00-0671 DAY 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	649.32	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	324.66	
For >16 To 24 Hours Usage Per Day, Add	649.32	
01 22 23 00-0672 WK 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,893.85	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	946.93	
For >80 Hours Usage Per Week, Add	1,893.85	
01 22 23 00-0673 MO 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,086.34	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,543.17	
For >320 Hours Usage Per Month, Add	5,086.34	
01 22 23 00-0674 DAY 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	649.32	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	324.66	
For >16 To 24 Hours Usage Per Day, Add	649.32	
01 22 23 00-0675 WK 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,893.85	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	946.93	
For >80 Hours Usage Per Week, Add	1,893.85	
01 22 23 00-0676 MO 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,086.34	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,543.17	
For >320 Hours Usage Per Month, Add	5,086.34	
01 22 23 00-0677 DAY 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	892.82	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	446.41	
For >16 To 24 Hours Usage Per Day, Add	892.82	
01 22 23 00-0678 WK 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,218.51	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,109.26	
For >80 Hours Usage Per Week, Add	2,218.51	
01 22 23 00-0679 MO 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	6,493.20	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	3,246.60	
For >320 Hours Usage Per Month, Add	6,493.20	
01 22 23 00-0680 DAY 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	946.92	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	473.46	
For >16 To 24 Hours Usage Per Day, Add	946.92	
01 22 23 00-0681 WK 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,272.62	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,136.31	
For >80 Hours Usage Per Week, Add	2,272.62	
01 22 23 00-0682 MO 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	6,709.64	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	3,354.82	
For >320 Hours Usage Per Month, Add	6,709.64	
01 22 23 00-0683 DAY 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,001.04	
Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	500.52	
For >16 To 24 Hours Usage Per Day, Add	1,001.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0684 WK 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,326.73	
Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,163.37	
For >80 Hours Usage Per Week, Add	2,326.73	
01 22 23 00-0685 MO 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	6,926.08	
Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	3,463.04	
For >320 Hours Usage Per Month, Add	6,926.08	
01 22 23 00-0686 DAY 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,033.50	
Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	516.75	
For >16 To 24 Hours Usage Per Day, Add	1,033.50	
01 22 23 00-0687 WK 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,489.06	
Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,244.53	
For >80 Hours Usage Per Week, Add	2,489.06	
01 22 23 00-0688 MO 300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,358.96	
Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	3,679.48	
For >320 Hours Usage Per Month, Add	7,358.96	
01 22 23 00-0689 DAY 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,082.20	
Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	541.10	
For >16 To 24 Hours Usage Per Day, Add	1,082.20	
01 22 23 00-0690 WK 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,813.72	
Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,406.86	
For >80 Hours Usage Per Week, Add	2,813.72	
01 22 23 00-0691 MO 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	8,116.50	
Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	4,058.25	
For >320 Hours Usage Per Month, Add	8,116.50	
01 22 23 00-0692 DAY 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,523.92	
Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	761.96	
For >16 To 24 Hours Usage Per Day, Add	1,523.92	
01 22 23 00-0693 WK 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,940.06	
Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,970.03	
For >80 Hours Usage Per Week, Add	3,940.06	
01 22 23 00-0694 MO 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	10,420.00	
Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	5,210.00	
For >320 Hours Usage Per Month, Add	10,420.00	
01 22 23 00-0695 DAY 500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	1,953.75	
Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	976.88	
For >16 To 24 Hours Usage Per Day, Add	1,953.75	
01 22 23 00-0696 WK 500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	5,079.75	
Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	2,539.88	
For >80 Hours Usage Per Week, Add	5,079.75	
01 22 23 00-0697 MO 500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	11,722.50	
Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	5,861.25	
For >320 Hours Usage Per Month, Add	11,722.50	
01 22 23 00-0698 DAY 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,416.14	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,208.07	
For >16 To 24 Hours Usage Per Day, Add	2,416.14	
01 22 23 00-0699 WK 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	6,382.25	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	3,191.13	
For >80 Hours Usage Per Week, Add	6,382.25	
01 22 23 00-0700 MO 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	15,630.00	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	7,815.00	
For >320 Hours Usage Per Month, Add	15,630.00	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0701 DAY 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,611.51	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,305.76	
For >16 To 24 Hours Usage Per Day, Add	2,611.51	
01 22 23 00-0702 WK 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	6,017.55	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	3,008.78	
For >80 Hours Usage Per Week, Add	6,017.55	
01 22 23 00-0703 MO 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	18,052.65	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	9,026.33	
For >320 Hours Usage Per Month, Add	18,052.65	
01 22 23 00-0704 EA Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up	860.60	
01 22 23 00-0705 EA 350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	1,396.55	
01 22 23 00-0706 Cabling For Generator Sets (01 22 23 00-0626)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0707 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	23.81	
01 22 23 00-0708 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	41.66	
01 22 23 00-0709 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	124.99	
01 22 23 00-0710 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	11.90	
01 22 23 00-0711 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	34.63	
01 22 23 00-0712 MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	96.32	
01 22 23 00-0713 Generator Accessories (01 22 23 00-0626)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0714 Step Down Transformer (01 22 23 00-0713)		
01 22 23 00-0715 WK 75 KVA, 480-208 Volt, Step Down Transformer.....	319.25	
01 22 23 00-0716 MO 75 KVA, 480-208 Volt, Step Down Transformer.....	892.82	
01 22 23 00-0717 WK 150 KVA, 480-208 Volt, Step Down Transformer.....	511.88	
01 22 23 00-0718 MO 150 KVA, 480-208 Volt, Step Down Transformer.....	1,534.56	
01 22 23 00-0719 WK 225 KVA, 480-208 Volt, Step Down Transformer.....	681.79	
01 22 23 00-0720 MO 225 KVA, 480-208 Volt, Step Down Transformer.....	2,045.36	
01 22 23 00-0721 WK 500 KVA, 480-208 Volt, Step Down Transformer.....	811.65	
01 22 23 00-0722 MO 500 KVA, 480-208 Volt, Step Down Transformer.....	2,434.95	
01 22 23 00-0723 WK 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	1,212.06	
01 22 23 00-0724 MO 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	3,619.96	
01 22 23 00-0725 WK 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	1,969.60	
01 22 23 00-0726 MO 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	5,903.40	
01 22 23 00-0727 WK 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer.....	2,272.62	
01 22 23 00-0728 MO 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer.....	6,817.86	
01 22 23 00-0729 Portable Panel (01 22 23 00-0713)		
01 22 23 00-0730 WK 100 Amperes, Portable Panel.....	254.32	
01 22 23 00-0731 MO 100 Amperes, Portable Panel.....	649.32	
01 22 23 00-0732 WK 200 Amperes, Portable Panel.....	304.10	
01 22 23 00-0733 MO 200 Amperes, Portable Panel.....	811.65	
01 22 23 00-0734 WK 400 Amperes, Portable Panel.....	324.66	
01 22 23 00-0735 MO 400 Amperes, Portable Panel.....	973.98	
01 22 23 00-0736 Portable Fusible Disconnect (01 22 23 00-0713)		
01 22 23 00-0737 WK 100 - 200 Amperes, Portable Fusible Disconnect.....	113.63	
01 22 23 00-0738 MO 100 - 200 Amperes, Portable Fusible Disconnect.....	340.89	
01 22 23 00-0739 WK 300 - 400 Amperes, Portable Fusible Disconnect.....	227.26	
01 22 23 00-0740 MO 300 - 400 Amperes, Portable Fusible Disconnect.....	681.79	
01 22 23 00-0741 Portable Transfer Switch (01 22 23 00-0713)		
01 22 23 00-0742 WK 100 Amperes, 480 Volt, Portable Transfer Switch.....	340.89	
01 22 23 00-0743 MO 100 Amperes, 480 Volt, Portable Transfer Switch.....	1,022.68	
01 22 23 00-0744 WK 200 Amperes, 480 Volt, Portable Transfer Switch.....	454.52	
01 22 23 00-0745 MO 200 Amperes, 480 Volt, Portable Transfer Switch.....	1,363.57	
01 22 23 00-0746 WK 400 Amperes, 480 Volt, Portable Transfer Switch.....	568.16	
01 22 23 00-0747 MO 400 Amperes, 480 Volt, Portable Transfer Switch.....	1,704.46	
01 22 23 00-0748 Resistive Loadbanks For Generator Sets (01 22 23 00-0626)		
Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0769 for reimbursable fuel fees.		
01 22 23 00-0749 DAY 100 KW A/C Resistive Loadbank.....	347.06	
01 22 23 00-0750 WK 100 KW A/C Resistive Loadbank.....	660.10	
01 22 23 00-0751 MO 100 KW A/C Resistive Loadbank.....	1,803.36	
01 22 23 00-0752 DAY 650 KW A/C Resistive Loadbank.....	665.25	
01 22 23 00-0753 WK 650 KW A/C Resistive Loadbank.....	1,779.04	



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

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0754 MO 650 KW A/C Resistive Loadbank.....	4,535.78	
01 22 23 00-0755 Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0626)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0756 DAY 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	58.44	
01 22 23 00-0757 WK 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	151.51	
01 22 23 00-0758 MO 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	427.47	
01 22 23 00-0759 Portable Distribution Panels For Generator Sets (01 22 23 00-0626)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0760 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	129.86	
01 22 23 00-0761 WK 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	351.72	
01 22 23 00-0762 MO 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	984.80	
01 22 23 00-0763 DAY 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	106.06	
01 22 23 00-0764 WK 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	275.96	
01 22 23 00-0765 MO 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	784.60	
01 22 23 00-0766 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	135.28	
01 22 23 00-0767 WK 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	340.89	
01 22 23 00-0768 MO 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	925.28	
01 22 23 00-0769 Fuel Reimbursement For Generators (01 22 23 00-0626)		
01 22 23 00-0770 EA Fuel Reimbursement For Generators.....	1.00	
Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		
01 22 23 00-0771 Portable Floor Drying Fans (01 22 23 00-0611)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0772 DAY 2,250 CFM Portable Floor Drying Fan.....	16.39	
01 22 23 00-0773 WK 2,250 CFM Portable Floor Drying Fan.....	75.81	
01 22 23 00-0774 MO 2,250 CFM Portable Floor Drying Fan.....	250.98	
01 22 23 00-0775 Welding Machines (01 22 23 00-0611)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0776 CC/CV Inverter Welder (01 22 23 00-0775)		
Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0769 for reimbursable fuel fees.		
01 22 23 00-0777 DAY 250 Amperes, CC Inverter Welder.....	41.45	
01 22 23 00-0778 WK 250 Amperes, CC Inverter Welder.....	90.30	
01 22 23 00-0779 MO 250 Amperes, CC Inverter Welder.....	273.86	
01 22 23 00-0780 DAY 300 Amperes, CC/CV Inverter Welder.....	47.37	
01 22 23 00-0781 WK 300 Amperes, CC/CV Inverter Welder.....	125.83	
01 22 23 00-0782 MO 300 Amperes, CC/CV Inverter Welder.....	333.07	
01 22 23 00-0783 DAY 350 Amperes, CC/CV Inverter Welder.....	48.85	
01 22 23 00-0784 WK 350 Amperes, CC/CV Inverter Welder.....	128.79	
01 22 23 00-0785 MO 350 Amperes, CC/CV Inverter Welder.....	362.67	
01 22 23 00-0786 MIG Welder (01 22 23 00-0775)		
Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0769 for reimbursable fuel fees.		
01 22 23 00-0787 DAY 115 Volt MIG Welder.....	71.05	
01 22 23 00-0788 WK 115 Volt MIG Welder.....	185.04	
01 22 23 00-0789 MO 115 Volt MIG Welder.....	503.30	
01 22 23 00-0790 Diesel Powered Towable Welding Machines (01 22 23 00-0775)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0791 DAY 250 To 299 Amperes, Diesel Powered Towable Welding Machine.....	133.23	
01 22 23 00-0792 WK 250 To 299 Amperes, Diesel Powered Towable Welding Machine.....	325.67	
01 22 23 00-0793 MO 250 To 299 Amperes, Diesel Powered Towable Welding Machine.....	777.16	
01 22 23 00-0794 DAY 300 To 349 Amperes, Diesel Powered Towable Welding Machine.....	177.64	
01 22 23 00-0795 WK 300 To 349 Amperes, Diesel Powered Towable Welding Machine.....	347.87	
01 22 23 00-0796 MO 300 To 349 Amperes, Diesel Powered Towable Welding Machine.....	812.68	
01 22 23 00-0797 DAY 350 To 399 Amperes, Diesel Powered Towable Welding Machine.....	185.04	
01 22 23 00-0798 WK 350 To 399 Amperes, Diesel Powered Towable Welding Machine.....	370.08	
01 22 23 00-0799 MO 350 To 399 Amperes, Diesel Powered Towable Welding Machine.....	902.98	
01 22 23 00-0800 General Equipment (01 22 23)		
01 22 23 00-0801 Jacks And Bracing (01 22 23 00-0800)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0802 Manual Hydraulic Jacks (01 22 23 00-0801)		
01 22 23 00-0803 DAY 12 Ton Manual Hydraulic Bottle Jack.....	1.67	
01 22 23 00-0804 WK 12 Ton Manual Hydraulic Bottle Jack.....	7.93	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0805 MO 12 Ton Manual Hydraulic Bottle Jack.....	28.50	
01 22 23 00-0806 DAY 20 Ton Manual Hydraulic Bottle Jack.....	2.92	
01 22 23 00-0807 WK 20 Ton Manual Hydraulic Bottle Jack.....	9.18	
01 22 23 00-0808 MO 20 Ton Manual Hydraulic Bottle Jack.....	34.76	
01 22 23 00-0809 DAY 50 Ton Manual Hydraulic Bottle Jack.....	10.43	
01 22 23 00-0810 WK 50 Ton Manual Hydraulic Bottle Jack.....	40.49	
01 22 23 00-0811 MO 50 Ton Manual Hydraulic Bottle Jack.....	145.66	
01 22 23 00-0812 DAY 100 Ton Manual Hydraulic Bottle Jack.....	14.61	
01 22 23 00-0813 WK 100 Ton Manual Hydraulic Bottle Jack.....	58.43	
01 22 23 00-0814 MO 100 Ton Manual Hydraulic Bottle Jack.....	210.46	
01 22 23 00-0815 Manual Screw Jacks (01 22 23 00-0801)		
01 22 23 00-0816 DAY 10 To 20 Ton Manual Screw Jack.....	26.41	
01 22 23 00-0817 WK 10 To 20 Ton Manual Screw Jack.....	71.09	
01 22 23 00-0818 MO 10 To 20 Ton Manual Screw Jack.....	197.03	
01 22 23 00-0819 Pressure Washers (01 22 23 00-0800)		
Note: Includes delivery to job site, pick-up when complete and full time operator.		
01 22 23 00-0820 DAY 2,000 PSI Pressure Washer With Full-Time Operator.....	853.90	
For Equipment Without Operator, Deduct	-684.15	
01 22 23 00-0821 WK 2,000 PSI Pressure Washer With Full-Time Operator.....	3,851.65	
For Equipment Without Operator, Deduct	-3,420.74	
01 22 23 00-0822 MO 2,000 PSI Pressure Washer With Full-Time Operator.....	15,920.06	
For Equipment Without Operator, Deduct	-14,823.19	
01 22 23 00-0823 DAY 2,500 PSI Pressure Washer With Full-Time Operator.....	830.99	
For Equipment Without Operator, Deduct	-684.15	
01 22 23 00-0824 WK 2,500 PSI Pressure Washer With Full-Time Operator.....	3,793.48	
For Equipment Without Operator, Deduct	-3,420.74	
01 22 23 00-0825 MO 2,500 PSI Pressure Washer With Full-Time Operator.....	15,771.97	
For Equipment Without Operator, Deduct	-14,823.19	
01 22 23 00-0826 DAY 3,000 PSI Pressure Washer With Full-Time Operator.....	853.90	
For Equipment Without Operator, Deduct	-684.15	
01 22 23 00-0827 WK 3,000 PSI Pressure Washer With Full-Time Operator.....	3,851.65	
For Equipment Without Operator, Deduct	-3,420.74	
01 22 23 00-0828 MO 3,000 PSI Pressure Washer With Full-Time Operator.....	15,920.06	
For Equipment Without Operator, Deduct	-14,823.19	
01 22 23 00-0829 DAY 3,500 PSI Pressure Washer With Full-Time Operator.....	842.28	
For Equipment Without Operator, Deduct	-684.15	
01 22 23 00-0830 WK 3,500 PSI Pressure Washer With Full-Time Operator.....	3,827.36	
For Equipment Without Operator, Deduct	-3,420.74	
01 22 23 00-0831 MO 3,500 PSI Pressure Washer With Full-Time Operator.....	15,862.33	
For Equipment Without Operator, Deduct	-14,823.19	
01 22 23 00-0832 DAY 4,000 PSI Pressure Washer With Full-Time Operator.....	919.19	
For Equipment Without Operator, Deduct	-684.15	
01 22 23 00-0833 WK 4,000 PSI Pressure Washer With Full-Time Operator.....	4,060.58	
For Equipment Without Operator, Deduct	-3,420.74	
01 22 23 00-0834 MO 4,000 PSI Pressure Washer With Full-Time Operator.....	16,612.14	
For Equipment Without Operator, Deduct	-14,823.19	
01 22 23 00-0835 DAY 5,000 PSI Pressure Washer With Full-Time Operator.....	910.05	
For Equipment Without Operator, Deduct	-684.15	
01 22 23 00-0836 WK 5,000 PSI Pressure Washer With Full-Time Operator.....	4,030.67	
For Equipment Without Operator, Deduct	-3,420.74	
01 22 23 00-0837 MO 5,000 PSI Pressure Washer With Full-Time Operator.....	16,540.03	
For Equipment Without Operator, Deduct	-14,823.19	
01 22 23 00-0838 Confined Space Entry Equipment (01 22 23 00-0800)		
Note: Includes delivery to job site, set-up, and pick-up when complete.		
01 22 23 00-0839 DAY Ventilation Equipment For Confined Space.....	41.11	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0840 WK Ventilation Equipment For Confined Space.....	123.32	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0841 MO Ventilation Equipment For Confined Space.....	367.99	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0842 DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly.....	61.77	
01 22 23 00-0843 WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly.....	185.32	
01 22 23 00-0844 MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly.....	555.96	
01 22 23 00-0845 DAY Confined Space Air Monitor Personnel.....	791.07	
Note: Per person day.		
01 22 23 00-0846 Space Heaters (01 22 23 00-0800)		
Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.		
01 22 23 00-0847 DAY 150,000 BTU/Hour Space Heater.....	69.29	
01 22 23 00-0848 WK 150,000 BTU/Hour Space Heater.....	199.21	
01 22 23 00-0849 MO 150,000 BTU/Hour Space Heater.....	563.00	
01 22 23 00-0850 DAY 500,000 BTU/Hour Space Heater.....	147.25	
01 22 23 00-0851 WK 500,000 BTU/Hour Space Heater.....	363.78	
01 22 23 00-0852 MO 500,000 BTU/Hour Space Heater.....	919.85	



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

01 22 23 00-0853 **Material Handling Equipment** (01 22 23)

01 22 23 00-0854 **Truck Mounted Hydraulic Cranes** (01 22 23 00-0853)

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

01 22 23 00-0855	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		1,295.10	
		<i>For Equipment Without Operator, Deduct</i>		-855.45	
01 22 23 00-0856	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		5,609.13	
		<i>For Equipment Without Operator, Deduct</i>		-4,277.24	
01 22 23 00-0857	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		22,543.34	
		<i>For Equipment Without Operator, Deduct</i>		-18,534.73	
01 22 23 00-0858	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		24,611.48	
		<i>For Equipment Without Operator, Deduct</i>		-855.45	
01 22 23 00-0859	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		5,955.04	
		<i>For Equipment Without Operator, Deduct</i>		-4,277.24	
01 22 23 00-0860	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		23,577.82	
		<i>For Equipment Without Operator, Deduct</i>		-18,534.73	
01 22 23 00-0861	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		1,527.86	
		<i>For Equipment Without Operator, Deduct</i>		-855.45	
01 22 23 00-0862	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		6,300.94	
		<i>For Equipment Without Operator, Deduct</i>		-4,277.24	
01 22 23 00-0863	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		24,612.30	
		<i>For Equipment Without Operator, Deduct</i>		-18,534.73	
01 22 23 00-0864	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		1,683.03	
		<i>For Equipment Without Operator, Deduct</i>		-855.45	
01 22 23 00-0865	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		6,766.46	
		<i>For Equipment Without Operator, Deduct</i>		-4,277.24	
01 22 23 00-0866	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		26,002.38	
		<i>For Equipment Without Operator, Deduct</i>		-18,534.73	
01 22 23 00-0867	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		1,825.27	
		<i>For Equipment Without Operator, Deduct</i>		-855.45	
01 22 23 00-0868	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		7,729.82	
		<i>For Equipment Without Operator, Deduct</i>		-4,277.24	
01 22 23 00-0869	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		28,889.87	
		<i>For Equipment Without Operator, Deduct</i>		-18,534.73	
01 22 23 00-0870	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		2,161.48	
		<i>For Equipment Without Operator, Deduct</i>		-855.45	
01 22 23 00-0871	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		8,932.40	
		<i>For Equipment Without Operator, Deduct</i>		-4,277.24	
01 22 23 00-0872	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		32,500.21	
		<i>For Equipment Without Operator, Deduct</i>		-18,534.73	
01 22 23 00-0873	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		2,374.84	
		<i>For Equipment Without Operator, Deduct</i>		-855.45	
01 22 23 00-0874	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		9,682.40	
		<i>For Equipment Without Operator, Deduct</i>		-4,277.24	
01 22 23 00-0875	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		34,755.38	
		<i>For Equipment Without Operator, Deduct</i>		-18,534.73	
01 22 23 00-0876	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		2,542.95	
		<i>For Equipment Without Operator, Deduct</i>		-855.45	
01 22 23 00-0877	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		10,290.16	
		<i>For Equipment Without Operator, Deduct</i>		-4,277.24	
01 22 23 00-0878	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		36,576.06	
		<i>For Equipment Without Operator, Deduct</i>		-18,534.73	
01 22 23 00-0879	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		2,711.05	
		<i>For Equipment Without Operator, Deduct</i>		-855.45	
01 22 23 00-0880	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		10,897.91	
		<i>For Equipment Without Operator, Deduct</i>		-4,277.24	
01 22 23 00-0881	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		38,396.75	
		<i>For Equipment Without Operator, Deduct</i>		-18,534.73	
01 22 23 00-0882	DAY	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		2,820.96	
		<i>For Equipment Without Operator, Deduct</i>		-855.45	
01 22 23 00-0883	WK	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		11,272.91	
		<i>For Equipment Without Operator, Deduct</i>		-4,277.24	
01 22 23 00-0884	MO	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		39,534.67	
		<i>For Equipment Without Operator, Deduct</i>		-18,534.73	
01 22 23 00-0885	DAY	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		2,969.67	
		<i>For Equipment Without Operator, Deduct</i>		-855.45	
01 22 23 00-0886	WK	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		11,828.94	
		<i>For Equipment Without Operator, Deduct</i>		-4,277.24	
01 22 23 00-0887	MO	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		41,189.84	
		<i>For Equipment Without Operator, Deduct</i>		-18,534.73	
01 22 23 00-0888	DAY	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		3,448.12	
		<i>For Equipment Without Operator, Deduct</i>		-855.45	
		<i>For Half Day Usage, Deduct</i>		-1,037.07	
01 22 23 00-0889	WK	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		13,351.57	
		<i>For Equipment Without Operator, Deduct</i>		-4,277.24	
01 22 23 00-0890	MO	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		45,757.72	
		<i>For Equipment Without Operator, Deduct</i>		-18,534.73	
01 22 23 00-0891	DAY	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		3,777.86	
		<i>For Equipment Without Operator, Deduct</i>		-855.45	
		<i>For Half Day Usage, Deduct</i>		-1,168.96	
01 22 23 00-0892	WK	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator		14,505.66	
		<i>For Equipment Without Operator, Deduct</i>		-4,277.24	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0893 MO 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	49,219.99	
<i>For Equipment Without Operator, Deduct</i>	-18,534.73	
01 22 23 00-0894 DAY 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,372.68	
<i>For Equipment Without Operator, Deduct</i>	-855.45	
<i>For Half Day Usage, Deduct</i>	-1,406.89	
01 22 23 00-0895 WK 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,587.55	
<i>For Equipment Without Operator, Deduct</i>	-4,277.24	
01 22 23 00-0896 MO 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	55,465.67	
<i>For Equipment Without Operator, Deduct</i>	-18,534.73	
01 22 23 00-0897 DAY 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,786.47	
<i>For Equipment Without Operator, Deduct</i>	-855.45	
<i>For Half Day Usage, Deduct</i>	-1,572.41	
01 22 23 00-0898 WK 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,035.82	
<i>For Equipment Without Operator, Deduct</i>	-4,277.24	
01 22 23 00-0899 MO 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	59,810.48	
<i>For Equipment Without Operator, Deduct</i>	-18,534.73	
01 22 23 00-0900 Cable Controlled Lattice Boom, Mechanical Cranes <small>(01 22 23 00-0853)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.		
01 22 23 00-0901 DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	2,407.17	
<i>For Equipment Without Operator, Deduct</i>	-855.45	
01 22 23 00-0902 WK 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	9,811.71	
<i>For Equipment Without Operator, Deduct</i>	-4,277.24	
01 22 23 00-0903 MO 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	35,138.13	
<i>For Equipment Without Operator, Deduct</i>	-18,534.73	
01 22 23 00-0904 DAY 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	3,603.29	
<i>For Equipment Without Operator, Deduct</i>	-855.45	
01 22 23 00-0905 WK 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	11,803.08	
<i>For Equipment Without Operator, Deduct</i>	-4,277.24	
01 22 23 00-0906 MO 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	41,112.26	
<i>For Equipment Without Operator, Deduct</i>	-18,534.73	
01 22 23 00-0907 DAY 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator.....	3,797.25	
<i>For Equipment Without Operator, Deduct</i>	-855.45	
01 22 23 00-0908 WK 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator.....	13,219.03	
<i>For Equipment Without Operator, Deduct</i>	-4,277.24	
01 22 23 00-0909 MO 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator.....	45,358.80	
<i>For Equipment Without Operator, Deduct</i>	-18,534.73	
01 22 23 00-0910 DAY 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator.....	4,185.18	
<i>For Equipment Without Operator, Deduct</i>	-855.45	
01 22 23 00-0911 WK 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator.....	14,634.97	
<i>For Equipment Without Operator, Deduct</i>	-4,277.24	
01 22 23 00-0912 MO 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator.....	49,600.16	
<i>For Equipment Without Operator, Deduct</i>	-18,534.73	
01 22 23 00-0913 DAY 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,369.45	
<i>For Equipment Without Operator, Deduct</i>	-855.45	
01 22 23 00-0914 WK 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	16,050.92	
<i>For Equipment Without Operator, Deduct</i>	-4,277.24	
01 22 23 00-0915 MO 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	53,851.88	
<i>For Equipment Without Operator, Deduct</i>	-18,534.73	
01 22 23 00-0916 DAY 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,553.72	
<i>For Equipment Without Operator, Deduct</i>	-855.45	
01 22 23 00-0917 WK 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	17,466.86	
<i>For Equipment Without Operator, Deduct</i>	-4,277.24	
01 22 23 00-0918 MO 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	58,103.59	
<i>For Equipment Without Operator, Deduct</i>	-18,534.73	
01 22 23 00-0919 DAY 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,161.47	
<i>For Equipment Without Operator, Deduct</i>	-855.45	
01 22 23 00-0920 WK 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	19,645.73	
<i>For Equipment Without Operator, Deduct</i>	-4,277.24	
01 22 23 00-0921 MO 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	64,631.16	
<i>For Equipment Without Operator, Deduct</i>	-18,534.73	
01 22 23 00-0922 DAY 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	8,898.53	
<i>For Equipment Without Operator, Deduct</i>	-855.45	
01 22 23 00-0923 WK 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	32,964.66	
<i>For Equipment Without Operator, Deduct</i>	-4,277.24	
01 22 23 00-0924 MO 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	104,603.47	
<i>For Equipment Without Operator, Deduct</i>	-18,534.73	
01 22 23 00-0925 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts <small>(01 22 23 00-0853)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0926 DAY 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,431.79	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
01 22 23 00-0927 WK 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	5,523.40	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
01 22 23 00-0928 MO 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	20,511.96	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0929 DAY 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,499.23	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
01 22 23 00-0930 WK 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	5,675.15	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
01 22 23 00-0931 MO 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	20,849.18	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
01 22 23 00-0932 DAY 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,482.37	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
01 22 23 00-0933 WK 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	5,751.03	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
01 22 23 00-0934 MO 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	21,355.01	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
01 22 23 00-0935 DAY 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,676.27	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
01 22 23 00-0936 WK 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	6,256.86	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
01 22 23 00-0937 MO 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	22,535.28	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
01 22 23 00-0938 Straight Mast, Rough Terrain Construction Forklifts <small>(01 22 23 00-0853)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0939 DAY 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,207.54	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	83.29	
01 22 23 00-0940 WK 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	5,092.60	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	227.45	
01 22 23 00-0941 MO 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	19,742.68	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	520.58	
01 22 23 00-0942 DAY 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,229.46	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	87.68	
01 22 23 00-0943 WK 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	5,152.46	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	239.43	
01 22 23 00-0944 MO 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	19,879.67	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	547.98	
01 22 23 00-0945 DAY 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,347.48	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	111.28	
01 22 23 00-0946 WK 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	5,481.25	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	305.18	
01 22 23 00-0947 MO 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	20,638.42	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	699.73	
01 22 23 00-0948 DAY 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,412.48	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	124.28	
01 22 23 00-0949 WK 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	5,453.09	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	299.55	
01 22 23 00-0950 MO 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	20,868.23	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	745.69	
01 22 23 00-0951 Straight Mast, Industrial Warehouse Forklifts <small>(01 22 23 00-0853)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0952 DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,145.15	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	70.82	
01 22 23 00-0953 WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,764.66	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	161.87	
01 22 23 00-0954 MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	19,078.78	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	387.80	
01 22 23 00-0955 DAY 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,153.58	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	72.50	
01 22 23 00-0956 WK 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,789.95	
<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	166.92	
01 22 23 00-0957 MO 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	19,137.79	
<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	399.61	
01 22 23 00-0958 DAY 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,330.62	
<i>For Equipment Without Operator, Deduct</i>	-791.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	107.91	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0959	WK		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,177.75	
			<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	244.48	
01 22 23 00-0960	MO		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	20,090.44	
			<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	590.14	
01 22 23 00-0961	DAY		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,347.48	
			<i>For Equipment Without Operator, Deduct</i>	-791.07	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	111.28	
01 22 23 00-0962	WK		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,321.07	
			<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	273.15	
01 22 23 00-0963	MO		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	20,596.26	
			<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	691.30	
01 22 23 00-0964	DAY		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,499.23	
			<i>For Equipment Without Operator, Deduct</i>	-791.07	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	141.63	
01 22 23 00-0965	WK		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,565.56	
			<i>For Equipment Without Operator, Deduct</i>	-3,955.33	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	322.05	
01 22 23 00-0966	MO		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	21,017.79	
			<i>For Equipment Without Operator, Deduct</i>	-17,139.76	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	775.61	
01 22 23 00-0967			Chain Hoists (01 22 23 00-0853)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0968	DAY		1 Ton, 20' Lift, Manual Chain Hoist	12.52	
01 22 23 00-0969	WK		1 Ton, 20' Lift, Manual Chain Hoist	32.55	
01 22 23 00-0970	MO		1 Ton, 20' Lift, Manual Chain Hoist	96.40	
01 22 23 00-0971	DAY		3 Ton, 20' Lift, Manual Chain Hoist	35.06	
01 22 23 00-0972	WK		3 Ton, 20' Lift, Manual Chain Hoist	82.63	
01 22 23 00-0973	MO		3 Ton, 20' Lift, Manual Chain Hoist	231.62	
01 22 23 00-0974	DAY		5 Ton, 20' Lift, Manual Chain Hoist	45.07	
01 22 23 00-0975	WK		5 Ton, 20' Lift, Manual Chain Hoist	121.44	
01 22 23 00-0976	MO		5 Ton, 20' Lift, Manual Chain Hoist	338.04	
01 22 23 00-0977	DAY		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89	
01 22 23 00-0978	WK		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-0979	MO		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00	
01 22 23 00-0980	DAY		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14	
01 22 23 00-0981	WK		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	
01 22 23 00-0982	MO		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30	
01 22 23 00-0983	DAY		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65	
01 22 23 00-0984	WK		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-0985	MO		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90	
01 22 23 00-0986			Roof Swing Hoist (01 22 23 00-0853)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0987	DAY		Up To 400#, Manual Swing Roof Hoist	96.56	
01 22 23 00-0988	WK		Up To 400#, Manual Swing Roof Hoist	337.98	
01 22 23 00-0989	MO		Up To 400#, Manual Swing Roof Hoist	1,158.78	
01 22 23 00-0990			Truck Mounted Digger Derrick (01 22 23 00-0853)		
			Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.		
01 22 23 00-0991	DAY		Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,467.58	
			Note: Includes lifting boom, grapple arm and auger drill.		
			<i>For Equipment Without Operator, Deduct</i>	-855.45	
01 22 23 00-0992	WK		Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	6,113.62	
			Note: Includes lifting boom, grapple arm and auger drill.		
			<i>For Equipment Without Operator, Deduct</i>	-4,277.24	
01 22 23 00-0993	MO		Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	23,431.74	
			Note: Includes lifting boom, grapple arm and auger drill.		
			<i>For Equipment Without Operator, Deduct</i>	-18,534.73	
01 22 23 00-0994	DAY		Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,593.39	
			Note: Includes lifting boom, grapple arm and auger drill.		
			<i>For Equipment Without Operator, Deduct</i>	-855.45	
01 22 23 00-0995	WK		Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	6,491.07	
			Note: Includes lifting boom, grapple arm and auger drill.		
			<i>For Equipment Without Operator, Deduct</i>	-4,277.24	
01 22 23 00-0996	MO		Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	24,438.29	
			Note: Includes lifting boom, grapple arm and auger drill.		
			<i>For Equipment Without Operator, Deduct</i>	-18,534.73	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
01 22 23 00-0997	DAY			Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	2,370.87		
				Note: Includes lifting boom, grapple arm and auger drill.			
				<i>For Equipment Without Operator, Deduct</i>	-855.45		
01 22 23 00-0998	WK			Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	8,823.51		
				Note: Includes lifting boom, grapple arm and auger drill.			
				<i>For Equipment Without Operator, Deduct</i>	-4,277.24		
01 22 23 00-0999	MO			Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	30,658.12		
				Note: Includes lifting boom, grapple arm and auger drill.			
				<i>For Equipment Without Operator, Deduct</i>	-18,534.73		
01 22 23 00-1000	Pumping Equipment (01 22 23)						
01 22 23 00-1001	Gas Powered Portable Centrifugal Pumps (01 22 23 00-1000)						
	Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1025 for larger diameter pumps.						
01 22 23 00-1002	DAY			8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	69.18		
01 22 23 00-1003	WK			8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	155.65		
01 22 23 00-1004	MO			8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	415.06		
01 22 23 00-1005	DAY			16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	83.01		
01 22 23 00-1006	WK			16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	186.78		
01 22 23 00-1007	MO			16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	498.07		
01 22 23 00-1008	Gas Powered Portable Diaphragm Pumps (01 22 23 00-1000)						
	Note: Includes delivery, set-up, and removal. Excludes operator.						
01 22 23 00-1009	DAY			3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	79.55		
01 22 23 00-1010	WK			3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	224.82		
01 22 23 00-1011	MO			3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	570.70		
01 22 23 00-1012	DAY			5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	96.85		
01 22 23 00-1013	WK			5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	259.41		
01 22 23 00-1014	MO			5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	735.00		
01 22 23 00-1015	Gas Powered Portable Trash Pumps (01 22 23 00-1000)						
	Note: Includes delivery, set-up, and removal. Excludes operator.						
01 22 23 00-1016	DAY			12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	100.31		
01 22 23 00-1017	WK			12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	207.53		
01 22 23 00-1018	MO			12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	622.58		
01 22 23 00-1019	DAY			25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	100.31		
01 22 23 00-1020	WK			25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	268.06		
01 22 23 00-1021	MO			25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	735.00		
01 22 23 00-1022	DAY			35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	159.10		
01 22 23 00-1023	WK			35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	449.64		
01 22 23 00-1024	MO			35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,305.70		
01 22 23 00-1025	Diesel Powered Portable Trash Pumps (01 22 23 00-1000)						
	Note: Includes delivery, set-up, and removal. Excludes operator.						
01 22 23 00-1026	DAY			63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	311.29		
01 22 23 00-1027	WK			63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	847.41		
01 22 23 00-1028	MO			63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	3,692.27		
01 22 23 00-1029	DAY			156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	475.58		
01 22 23 00-1030	WK			156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,245.17		
01 22 23 00-1031	MO			156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,311.80		
01 22 23 00-1032	DAY			246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	646.80		
01 22 23 00-1033	WK			246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,731.13		
01 22 23 00-1034	MO			246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	4,631.33		
01 22 23 00-1035	DAY			379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	837.03		
01 22 23 00-1036	WK			379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,137.54		
01 22 23 00-1037	MO			379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	6,277.72		
01 22 23 00-1038	Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-1000)						
	Note: Includes delivery, set-up, and removal. Excludes operator.						
01 22 23 00-1039	DAY			90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	444.46		
01 22 23 00-1040	WK			90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,011.70		
01 22 23 00-1041	MO			90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,154.43		
01 22 23 00-1042	DAY			136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	544.76		
01 22 23 00-1043	WK			136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,357.58		
01 22 23 00-1044	MO			136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,692.27		
01 22 23 00-1045	DAY			246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	657.17		
01 22 23 00-1046	WK			246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,943.85		
01 22 23 00-1047	MO			246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	5,421.67		
01 22 23 00-1048	DAY			510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	989.22		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1049	WK		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,526.65	
01 22 23 00-1050	MO		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	7,419.13	
01 22 23 00-1051			3 Phase Electric Submersible Pumps (01 22 23 00-1000) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1052	DAY		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	172.94	
01 22 23 00-1053	WK		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	432.35	
01 22 23 00-1054	MO		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,297.05	
01 22 23 00-1055	DAY		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	228.28	
01 22 23 00-1056	WK		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	570.70	
01 22 23 00-1057	MO		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,712.11	
01 22 23 00-1058			Suction Hose With Couplings (01 22 23 00-1000) Note: Includes delivery, set-up, and removal.		
01 22 23 00-1059	DAY		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	6.48	
01 22 23 00-1060	WK		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	16.20	
01 22 23 00-1061	MO		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	49.68	
01 22 23 00-1062	DAY		3" Inside Diameter, 20' Length, Suction Hose With Couplings	17.28	
01 22 23 00-1063	WK		3" Inside Diameter, 20' Length, Suction Hose With Couplings	44.28	
01 22 23 00-1064	MO		3" Inside Diameter, 20' Length, Suction Hose With Couplings	135.00	
01 22 23 00-1065	DAY		4" Inside Diameter, 20' Length, Suction Hose With Couplings	25.92	
01 22 23 00-1066	WK		4" Inside Diameter, 20' Length, Suction Hose With Couplings	65.88	
01 22 23 00-1067	MO		4" Inside Diameter, 20' Length, Suction Hose With Couplings	199.80	
01 22 23 00-1068	DAY		6" Inside Diameter, 20' Length, Suction Hose With Couplings	32.40	
01 22 23 00-1069	WK		6" Inside Diameter, 20' Length, Suction Hose With Couplings	81.00	
01 22 23 00-1070	MO		6" Inside Diameter, 20' Length, Suction Hose With Couplings	237.60	
01 22 23 00-1071	DAY		10" Inside Diameter, 20' Length, Suction Hose With Couplings	75.60	
01 22 23 00-1072	WK		10" Inside Diameter, 20' Length, Suction Hose With Couplings	194.40	
01 22 23 00-1073	MO		10" Inside Diameter, 20' Length, Suction Hose With Couplings	572.40	
01 22 23 00-1074	DAY		12" Inside Diameter, 20' Length, Suction Hose With Couplings	101.52	
01 22 23 00-1075	WK		12" Inside Diameter, 20' Length, Suction Hose With Couplings	221.40	
01 22 23 00-1076	MO		12" Inside Diameter, 20' Length, Suction Hose With Couplings	664.20	
01 22 23 00-1077			Discharge Hose With Couplings (01 22 23 00-1000) Note: Includes delivery, set-up, and removal.		
01 22 23 00-1078	DAY		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.48	
01 22 23 00-1079	WK		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.20	
01 22 23 00-1080	MO		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	49.68	
01 22 23 00-1081	DAY		2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.56	
01 22 23 00-1082	WK		2" Inside Diameter, 50' Length, Discharge Hose With Couplings	18.36	
01 22 23 00-1083	MO		2" Inside Diameter, 50' Length, Discharge Hose With Couplings	57.24	
01 22 23 00-1084	DAY		3" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.64	
01 22 23 00-1085	WK		3" Inside Diameter, 50' Length, Discharge Hose With Couplings	21.60	
01 22 23 00-1086	MO		3" Inside Diameter, 50' Length, Discharge Hose With Couplings	65.88	
01 22 23 00-1087	DAY		4" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.68	
01 22 23 00-1088	WK		4" Inside Diameter, 50' Length, Discharge Hose With Couplings	58.32	
01 22 23 00-1089	MO		4" Inside Diameter, 50' Length, Discharge Hose With Couplings	167.40	
01 22 23 00-1090	DAY		6" Inside Diameter, 50' Length, Discharge Hose With Couplings	28.08	
01 22 23 00-1091	WK		6" Inside Diameter, 50' Length, Discharge Hose With Couplings	76.68	
01 22 23 00-1092	MO		6" Inside Diameter, 50' Length, Discharge Hose With Couplings	210.60	
01 22 23 00-1093	DAY		10" Inside Diameter, 10' Length, Discharge Hose With Couplings	21.60	
01 22 23 00-1094	WK		10" Inside Diameter, 10' Length, Discharge Hose With Couplings	54.00	
01 22 23 00-1095	MO		10" Inside Diameter, 10' Length, Discharge Hose With Couplings	162.00	
01 22 23 00-1096	DAY		12" Inside Diameter, 10' Length, Discharge Hose With Couplings	55.08	
01 22 23 00-1097	WK		12" Inside Diameter, 10' Length, Discharge Hose With Couplings	140.40	
01 22 23 00-1098	MO		12" Inside Diameter, 10' Length, Discharge Hose With Couplings	415.80	
01 22 23 00-1099			Hydraulic Submersible Pumps (01 22 23 00-1000) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1100			Hydraulic Submersible Pumps (01 22 23 00-1099) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1101	DAY		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	114.14	
01 22 23 00-1102	WK		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	306.10	
01 22 23 00-1103	MO		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	856.05	
01 22 23 00-1104	DAY		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	145.27	
01 22 23 00-1105	WK		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	373.55	
01 22 23 00-1106	MO		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,141.40	
01 22 23 00-1107			Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-1099) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1108	DAY		100 HP, Hydraulic Submersible Pump Diesel Power Pack	263.73	
01 22 23 00-1109	WK		100 HP, Hydraulic Submersible Pump Diesel Power Pack	786.88	
01 22 23 00-1110	MO		100 HP, Hydraulic Submersible Pump Diesel Power Pack	2,075.28	



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

01 22 23 00-1111

HDPE Pipe With Couplings (01 22 23 00-1000)

Note: Includes delivery, set-up, and removal.

01 22 23 00-1112	DAY	4" x 20' HDPE Pipe With Couplings	15.71	
01 22 23 00-1113	WK	4" x 20' HDPE Pipe With Couplings	37.70	
01 22 23 00-1114	MO	4" x 20' HDPE Pipe With Couplings	116.25	
01 22 23 00-1115	DAY	6" x 20' HDPE Pipe With Couplings	25.14	
01 22 23 00-1116	WK	6" x 20' HDPE Pipe With Couplings	62.84	
01 22 23 00-1117	MO	6" x 20' HDPE Pipe With Couplings	191.66	
01 22 23 00-1118	DAY	8" x 20' HDPE Pipe With Couplings	40.85	
01 22 23 00-1119	WK	8" x 20' HDPE Pipe With Couplings	106.83	
01 22 23 00-1120	MO	8" x 20' HDPE Pipe With Couplings	317.34	
01 22 23 00-1121	DAY	10" x 20' HDPE Pipe With Couplings	50.27	
01 22 23 00-1122	WK	10" x 20' HDPE Pipe With Couplings	128.82	
01 22 23 00-1123	MO	10" x 20' HDPE Pipe With Couplings	392.75	
01 22 23 00-1124	DAY	12" x 10' HDPE Pipe With Couplings	37.70	
01 22 23 00-1125	WK	12" x 10' HDPE Pipe With Couplings	103.69	
01 22 23 00-1126	MO	12" x 10' HDPE Pipe With Couplings	314.20	
01 22 23 00-1127	DAY	4" Elbow For HDPE Pipe, Quick Connect	37.70	
01 22 23 00-1128	WK	4" Elbow For HDPE Pipe, Quick Connect	97.40	
01 22 23 00-1129	MO	4" Elbow For HDPE Pipe, Quick Connect	289.06	
01 22 23 00-1130	DAY	6" Elbow For HDPE Pipe, Quick Connect	43.99	
01 22 23 00-1131	WK	6" Elbow For HDPE Pipe, Quick Connect	113.11	
01 22 23 00-1132	MO	6" Elbow For HDPE Pipe, Quick Connect	345.62	
01 22 23 00-1133	DAY	8" Elbow For HDPE Pipe, Quick Connect	50.27	
01 22 23 00-1134	WK	8" Elbow For HDPE Pipe, Quick Connect	128.82	
01 22 23 00-1135	MO	8" Elbow For HDPE Pipe, Quick Connect	392.75	
01 22 23 00-1136	DAY	10" Elbow For HDPE Pipe, Quick Connect	62.84	
01 22 23 00-1137	WK	10" Elbow For HDPE Pipe, Quick Connect	160.24	
01 22 23 00-1138	MO	10" Elbow For HDPE Pipe, Quick Connect	487.01	
01 22 23 00-1139	DAY	12" Elbow For HDPE Pipe, Quick Connect	62.84	
01 22 23 00-1140	WK	12" Elbow For HDPE Pipe, Quick Connect	160.24	
01 22 23 00-1141	MO	12" Elbow For HDPE Pipe, Quick Connect	487.01	
01 22 23 00-1142	DAY	4" Tee For HDPE Pipe, Quick Connect	37.70	
01 22 23 00-1143	WK	4" Tee For HDPE Pipe, Quick Connect	97.40	
01 22 23 00-1144	MO	4" Tee For HDPE Pipe, Quick Connect	289.06	
01 22 23 00-1145	DAY	6" Tee For HDPE Pipe, Quick Connect	50.27	
01 22 23 00-1146	WK	6" Tee For HDPE Pipe, Quick Connect	128.82	
01 22 23 00-1147	MO	6" Tee For HDPE Pipe, Quick Connect	392.75	
01 22 23 00-1148	DAY	8" Tee For HDPE Pipe, Quick Connect	62.84	
01 22 23 00-1149	WK	8" Tee For HDPE Pipe, Quick Connect	160.24	
01 22 23 00-1150	MO	8" Tee For HDPE Pipe, Quick Connect	487.01	
01 22 23 00-1151	DAY	10" Tee For HDPE Pipe, Quick Connect	75.41	
01 22 23 00-1152	WK	10" Tee For HDPE Pipe, Quick Connect	191.66	
01 22 23 00-1153	MO	10" Tee For HDPE Pipe, Quick Connect	581.27	
01 22 23 00-1154	DAY	12" Tee For HDPE Pipe, Quick Connect	75.41	
01 22 23 00-1155	WK	12" Tee For HDPE Pipe, Quick Connect	191.66	
01 22 23 00-1156	MO	12" Tee For HDPE Pipe, Quick Connect	581.27	
01 22 23 00-1157	DAY	4" Cap For HDPE Pipe, Quick Connect	6.28	
01 22 23 00-1158	WK	4" Cap For HDPE Pipe, Quick Connect	18.85	
01 22 23 00-1159	MO	4" Cap For HDPE Pipe, Quick Connect	56.56	
01 22 23 00-1160	DAY	6" Cap For HDPE Pipe, Quick Connect	6.28	
01 22 23 00-1161	WK	6" Cap For HDPE Pipe, Quick Connect	18.85	
01 22 23 00-1162	MO	6" Cap For HDPE Pipe, Quick Connect	56.56	
01 22 23 00-1163	DAY	8" Cap For HDPE Pipe, Quick Connect	6.28	
01 22 23 00-1164	WK	8" Cap For HDPE Pipe, Quick Connect	18.85	
01 22 23 00-1165	MO	8" Cap For HDPE Pipe, Quick Connect	56.56	
01 22 23 00-1166	DAY	10" Cap For HDPE Pipe, Quick Connect	6.28	
01 22 23 00-1167	WK	10" Cap For HDPE Pipe, Quick Connect	18.85	
01 22 23 00-1168	MO	10" Cap For HDPE Pipe, Quick Connect	56.56	
01 22 23 00-1169	DAY	12" Cap For HDPE Pipe, Quick Connect	6.28	
01 22 23 00-1170	WK	12" Cap For HDPE Pipe, Quick Connect	18.85	
01 22 23 00-1171	MO	12" Cap For HDPE Pipe, Quick Connect	56.56	
01 22 23 00-1172	DAY	4" Wye For HDPE Pipe, Quick Connect	18.85	
01 22 23 00-1173	WK	4" Wye For HDPE Pipe, Quick Connect	47.13	
01 22 23 00-1174	MO	4" Wye For HDPE Pipe, Quick Connect	144.53	
01 22 23 00-1175	DAY	6" Wye For HDPE Pipe, Quick Connect	21.99	
01 22 23 00-1176	WK	6" Wye For HDPE Pipe, Quick Connect	56.56	
01 22 23 00-1177	MO	6" Wye For HDPE Pipe, Quick Connect	172.81	
01 22 23 00-1178	DAY	8" Wye For HDPE Pipe, Quick Connect	37.70	
01 22 23 00-1179	WK	8" Wye For HDPE Pipe, Quick Connect	97.40	
01 22 23 00-1180	MO	8" Wye For HDPE Pipe, Quick Connect	289.06	
01 22 23 00-1181	DAY	10" Wye For HDPE Pipe, Quick Connect	56.56	
01 22 23 00-1182	WK	10" Wye For HDPE Pipe, Quick Connect	144.53	
01 22 23 00-1183	MO	10" Wye For HDPE Pipe, Quick Connect	439.88	
01 22 23 00-1184	DAY	12" Wye For HDPE Pipe, Quick Connect	56.56	
01 22 23 00-1185	WK	12" Wye For HDPE Pipe, Quick Connect	144.53	
01 22 23 00-1186	MO	12" Wye For HDPE Pipe, Quick Connect	439.88	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1187	Temporary Building Services (01 22 23)	
01 22 23 00-1188	Boilers (01 22 23 00-1187) Note: Excludes operator, delivery, set-up, and removal.	
01 22 23 00-1189	Electric Boilers (01 22 23 00-1188)	
01 22 23 00-1190 MO	40 MBH, 12 KW Electric Boiler Rental	2,596.85
01 22 23 00-1191 MO	60 MBH, 20 KW Electric Boiler Rental	2,832.97
01 22 23 00-1192 MO	95 MBH, 30 KW Electric Boiler Rental	2,951.03
01 22 23 00-1193 MO	135 MBH, 40 KW Electric Boiler Rental	3,305.09
01 22 23 00-1194 MO	165 MBH, 50 KW Electric Boiler Rental	4,603.51
01 22 23 00-1195 MO	215 MBH, 60 KW Electric Boiler Rental	5,311.77
01 22 23 00-1196 MO	365 MBH, 100 KW Electric Boiler Rental	6,964.37
01 22 23 00-1197 MO	510 MBH, 150 KW Electric Boiler Rental	8,498.90
01 22 23 00-1198	Oil/Gas Fired Boilers (01 22 23 00-1188)	
01 22 23 00-1199 MO	Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental	2,288.00
	<i>For >3 Months Rental, Deduct</i>	-343.20
01 22 23 00-1200 MO	>100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental	2,974.40
	<i>For >3 Months Rental, Deduct</i>	-446.16
01 22 23 00-1201 MO	>250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental	4,804.80
	<i>For >3 Months Rental, Deduct</i>	-720.72
01 22 23 00-1202 MO	>500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental	6,635.20
	<i>For >3 Months Rental, Deduct</i>	-995.28
01 22 23 00-1203	Oil Fired Boilers (01 22 23 00-1188)	
01 22 23 00-1204 MO	250 HP Oil Fired Boiler Rental	7,293.28
01 22 23 00-1205 MO	350 HP Oil Fired Boiler Rental	9,724.38
01 22 23 00-1206 MO	500 HP Oil Fired Boiler Rental	12,155.47
01 22 23 00-1207 MO	600 HP Oil Fired Boiler Rental	13,371.02
01 22 23 00-1208	Boilers Setup (01 22 23 00-1188)	
01 22 23 00-1209 EA	Setup Rental Boiler	7,480.04
	Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	
01 22 23 00-1210	Chillers (01 22 23 00-1187) Note: Excludes operator, delivery, set-up, and removal.	
01 22 23 00-1211	Air Cooled Chillers (01 22 23 00-1210)	
01 22 23 00-1212 MO	25 Ton Air Cooled Chiller Rental	2,302.74
	<i>For >3 To 6 Month Rental, Deduct</i>	-345.41
	<i>For >6 Month Rental, Deduct</i>	-575.69
01 22 23 00-1213 MO	40 Ton Air Cooled Chiller Rental	3,684.39
	<i>For >3 To 6 Month Rental, Deduct</i>	-552.66
	<i>For >6 Month Rental, Deduct</i>	-921.10
01 22 23 00-1214 MO	60 Ton Air Cooled Chiller Rental	4,506.42
	<i>For >3 To 6 Month Rental, Deduct</i>	-675.96
	<i>For >6 Month Rental, Deduct</i>	-1,126.61
01 22 23 00-1215 MO	80 Ton Air Cooled Chiller Rental	5,328.46
	<i>For >3 To 6 Month Rental, Deduct</i>	-799.27
	<i>For >6 Month Rental, Deduct</i>	-1,332.12
01 22 23 00-1216 MO	100 Ton Air Cooled Chiller Rental	6,150.49
	<i>For >3 To 6 Month Rental, Deduct</i>	-922.57
	<i>For >6 Month Rental, Deduct</i>	-1,537.62
01 22 23 00-1217 MO	125 Ton Air Cooled Chiller Rental	7,125.46
	<i>For >3 To 6 Month Rental, Deduct</i>	-1,068.82
	<i>For >6 Month Rental, Deduct</i>	-1,781.37
01 22 23 00-1218 MO	155 Ton Air Cooled Chiller Rental	8,620.06
	<i>For >3 To 6 Month Rental, Deduct</i>	-1,293.01
	<i>For >6 Month Rental, Deduct</i>	-2,155.02
01 22 23 00-1219 MO	170 Ton Air Cooled Chiller Rental	9,217.91
	<i>For >3 To 6 Month Rental, Deduct</i>	-1,382.69
	<i>For >6 Month Rental, Deduct</i>	-2,304.48
01 22 23 00-1220 MO	200 Ton Air Cooled Chiller Rental	10,589.13
	<i>For >3 To 6 Month Rental, Deduct</i>	-1,588.37
	<i>For >6 Month Rental, Deduct</i>	-2,647.28
01 22 23 00-1221 MO	250 Ton Air Cooled Chiller Rental	12,599.90
	<i>For >3 To 6 Month Rental, Deduct</i>	-1,889.99
	<i>For >6 Month Rental, Deduct</i>	-3,149.98
01 22 23 00-1222 MO	300 Ton Air Cooled Chiller Rental	14,702.78
	Note: Includes trailer.	
	<i>For >3 To 6 Month Rental, Deduct</i>	-2,205.42
	<i>For >6 Month Rental, Deduct</i>	-3,675.70
01 22 23 00-1223 MO	400 Ton Air Cooled Chiller Rental	19,395.16
	Note: Includes trailer, pump and 200' of 6" hose.	
	<i>For >3 To 6 Month Rental, Deduct</i>	-2,909.27
	<i>For >6 Month Rental, Deduct</i>	-4,848.79



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1224	MO		500 Ton Air Cooled Chiller Rental..... Note: Includes trailer, pump and 200' of 6" hose. <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	24,007.59 -3,601.14 -6,001.90	
01 22 23 00-1225	EA		Setup Air Cooled Chiller Rental Unit..... Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	5,199.54	
01 22 23 00-1226			Chiller Rental Accessories (01 22 23 00-1210)		
01 22 23 00-1227	MO		4" x 25' Flexible Water Hose For Chiller Rental	41.03	
01 22 23 00-1228	MO		6" x 25' Flexible Water Hose For Chiller Rental	51.29	
01 22 23 00-1229			Cooling Tower (01 22 23 00-1187) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1230	MO		100 Ton Cooling Tower Rental	2,113.15	
			<i>For >3 To 6 Months Rental, Deduct</i>	-316.97	
			<i>For >6 Months Rental, Deduct</i>	-528.29	
01 22 23 00-1231	MO		200 Ton Cooling Tower Rental	3,846.75	
			<i>For >3 To 6 Months Rental, Deduct</i>	-577.01	
			<i>For >6 Months Rental, Deduct</i>	-961.69	
01 22 23 00-1232	MO		250 Ton Cooling Tower Rental	4,356.26	
			<i>For >3 To 6 Months Rental, Deduct</i>	-653.44	
			<i>For >6 Months Rental, Deduct</i>	-1,089.07	
01 22 23 00-1233	MO		300 Ton Cooling Tower Rental	4,923.84	
			<i>For >3 To 6 Months Rental, Deduct</i>	-738.58	
			<i>For >6 Months Rental, Deduct</i>	-1,230.96	
01 22 23 00-1234	MO		400 Ton Cooling Tower Rental	6,154.80	
			<i>For >3 To 6 Months Rental, Deduct</i>	-923.22	
			<i>For >6 Months Rental, Deduct</i>	-1,538.70	
01 22 23 00-1235	MO		500 Ton Cooling Tower Rental	7,196.02	
			<i>For >3 To 6 Months Rental, Deduct</i>	-1,079.40	
			<i>For >6 Months Rental, Deduct</i>	-1,799.01	
01 22 23 00-1236	MO		Setup Rental Cooling Tower	5,199.54	
			Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-1237			Emergency Cooler/Freezer (01 22 23 00-1187) Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.		
01 22 23 00-1238	DAY		8 x 6 x 7 Emergency Cooler Rental	79.51	
01 22 23 00-1239	WK		8 x 6 x 7 Emergency Cooler Rental	424.04	
01 22 23 00-1240	DAY		10 x 7 x 7 Emergency Cooler Rental	159.02	
01 22 23 00-1241	WK		10 x 7 x 7 Emergency Cooler Rental	636.06	
01 22 23 00-1242	MO		10 x 7 x 7 Emergency Cooler Rental	1,590.15	
01 22 23 00-1243	DAY		10 x 7 x 7 Emergency Freezer Rental.....	185.52	
01 22 23 00-1244	WK		10 x 7 x 7 Emergency Freezer Rental.....	742.07	
01 22 23 00-1245	MO		10 x 7 x 7 Emergency Freezer Rental.....	1,908.18	
01 22 23 00-1246	DAY		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	212.02	
01 22 23 00-1247	WK		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	848.08	
01 22 23 00-1248	MO		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	2,120.20	
01 22 23 00-1249			Portable Spot Cooling Units (01 22 23 00-1187) Note: Includes delivery to job site, up to 20' duct connection to existing system/exhaust and pick-up when complete. Excludes operator.		
01 22 23 00-1250	DAY		1 Ton Portable Spot Cooling Unit.....	168.68	
01 22 23 00-1251	WK		1 Ton Portable Spot Cooling Unit.....	365.48	
01 22 23 00-1252	MO		1 Ton Portable Spot Cooling Unit.....	863.96	
01 22 23 00-1253	DAY		1.5 Ton Portable Spot Cooling Unit.....	220.59	
01 22 23 00-1254	WK		1.5 Ton Portable Spot Cooling Unit.....	453.06	
01 22 23 00-1255	MO		1.5 Ton Portable Spot Cooling Unit.....	1,062.92	
01 22 23 00-1256	DAY		2 Ton Portable Spot Cooling Unit.....	297.36	
01 22 23 00-1257	WK		2 Ton Portable Spot Cooling Unit.....	621.75	
01 22 23 00-1258	MO		2 Ton Portable Spot Cooling Unit.....	1,151.58	
01 22 23 00-1259	DAY		3 Ton Portable Spot Cooling Unit.....	311.41	
01 22 23 00-1260	WK		3 Ton Portable Spot Cooling Unit.....	659.59	
01 22 23 00-1261	MO		3 Ton Portable Spot Cooling Unit.....	1,457.59	
01 22 23 00-1262	DAY		5 Ton Portable Spot Cooling Unit.....	486.58	
01 22 23 00-1263	WK		5 Ton Portable Spot Cooling Unit.....	983.98	
01 22 23 00-1264	MO		5 Ton Portable Spot Cooling Unit.....	2,044.74	
01 22 23 00-1265	DAY		10 To 12 Ton Portable Spot Cooling Unit	635.80	
01 22 23 00-1266	WK		10 To 12 Ton Portable Spot Cooling Unit	1,432.72	
01 22 23 00-1267	MO		10 To 12 Ton Portable Spot Cooling Unit	3,458.00	
01 22 23 00-1268	DAY		20 Ton Portable Spot Cooling Unit.....	729.88	
01 22 23 00-1269	WK		20 Ton Portable Spot Cooling Unit.....	1,676.02	
01 22 23 00-1270	MO		20 Ton Portable Spot Cooling Unit.....	4,671.22	
01 22 23 00-1271	DAY		25 Ton Portable Spot Cooling Unit.....	1,038.05	
01 22 23 00-1272	WK		25 Ton Portable Spot Cooling Unit.....	2,103.13	
01 22 23 00-1273	MO		25 Ton Portable Spot Cooling Unit.....	4,892.88	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1274 Fuel Oil Tank <small>(01 22 23 00-1187)</small>		
Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0769 for reimbursable fuel fees.		
01 22 23 00-1275 MO 100 Gallon Portable Double Wall Fuel Oil Tank Rental	374.75	
01 22 23 00-1276 MO 275 Gallon Portable Double Wall Fuel Oil Tank Rental	582.94	
01 22 23 00-1277 MO 500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,457.35	
01 22 23 00-1278 MO 1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,428.91	
01 22 23 00-1279 MO 2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,206.16	
01 22 23 00-1280 MO 5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	5,727.61	
01 22 23 00-1281 Truck And Trailer Equipment <small>(01 22 23)</small>		
01 22 23 00-1282 Trucks <small>(01 22 23 00-1281)</small>		
Note: Includes driver, delivery, and removal.		
01 22 23 00-1283 Flat Bed Trucks <small>(01 22 23 00-1282)</small>		
Note: Includes hydraulic tilt bed.		
01 22 23 00-1284 DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	941.47	
For Equipment Without Operator, Deduct	-683.84	
01 22 23 00-1285 WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,094.61	
For Equipment Without Operator, Deduct	-3,419.20	
01 22 23 00-1286 MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	16,522.49	
For Equipment Without Operator, Deduct	-14,816.55	
01 22 23 00-1287 DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,052.88	
For Equipment Without Operator, Deduct	-683.84	
01 22 23 00-1288 WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,380.09	
For Equipment Without Operator, Deduct	-3,419.20	
01 22 23 00-1289 MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	17,253.60	
For Equipment Without Operator, Deduct	-14,816.55	
01 22 23 00-1290 DAY 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,132.81	
For Equipment Without Operator, Deduct	-683.84	
01 22 23 00-1291 WK 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,685.63	
For Equipment Without Operator, Deduct	-3,419.20	
01 22 23 00-1292 MO 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	18,416.42	
For Equipment Without Operator, Deduct	-14,816.55	
01 22 23 00-1293 Boom Trucks <small>(01 22 23 00-1282)</small>		
01 22 23 00-1294 DAY 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	1,163.59	
For Equipment Without Operator, Deduct	-683.84	
For High Rail Equipment, Add	167.91	
01 22 23 00-1295 WK 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	4,668.36	
For Equipment Without Operator, Deduct	-3,419.20	
For High Rail Equipment, Add	437.21	
01 22 23 00-1296 MO 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	17,984.71	
For Equipment Without Operator, Deduct	-14,816.55	
For High Rail Equipment, Add	1,108.86	
01 22 23 00-1297 Light Off-Road Utility Passenger Vehicles <small>(01 22 23 00-1282)</small>		
01 22 23 00-1298 DAY 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	289.44	
01 22 23 00-1299 WK 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	669.33	
01 22 23 00-1300 MO 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	1,447.20	
01 22 23 00-1301 DAY 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	298.48	
01 22 23 00-1302 WK 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	696.46	
01 22 23 00-1303 MO 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	1,537.65	
01 22 23 00-1304 Light Duty Trucks <small>(01 22 23 00-1282)</small>		
01 22 23 00-1305 DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	914.27	
For Equipment Without Operator, Deduct	-676.99	
01 22 23 00-1306 WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	4,163.52	
For Equipment Without Operator, Deduct	-3,384.94	
01 22 23 00-1307 MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	16,299.38	
For Equipment Without Operator, Deduct	-14,668.08	
01 22 23 00-1308 DAY 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	958.76	
For Equipment Without Operator, Deduct	-676.99	
01 22 23 00-1309 WK 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	4,296.98	
For Equipment Without Operator, Deduct	-3,384.94	
01 22 23 00-1310 MO 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	16,595.98	
For Equipment Without Operator, Deduct	-14,668.08	
01 22 23 00-1311 Rear Dump Trucks <small>(01 22 23 00-1282)</small>		
01 22 23 00-1312 DAY 2.5 CY Rear Dump Truck With Full-Time Truck Driver	1,036.49	
For Equipment Without Operator, Deduct	-683.84	
01 22 23 00-1313 WK 2.5 CY Rear Dump Truck With Full-Time Truck Driver	4,350.67	
For Equipment Without Operator, Deduct	-3,419.20	
01 22 23 00-1314 MO 2.5 CY Rear Dump Truck With Full-Time Truck Driver	17,668.45	
For Equipment Without Operator, Deduct	-14,816.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1315 DAY 4 CY Rear Dump Truck With Full-Time Truck Driver	1,153.41	
For Equipment Without Operator, Deduct	-683.84	
01 22 23 00-1316 WK 4 CY Rear Dump Truck With Full-Time Truck Driver	4,712.90	
For Equipment Without Operator, Deduct	-3,419.20	
01 22 23 00-1317 MO 4 CY Rear Dump Truck With Full-Time Truck Driver	18,170.60	
For Equipment Without Operator, Deduct	-14,816.55	
01 22 23 00-1318 DAY 6 CY Rear Dump Truck With Full-Time Truck Driver	1,220.49	
For Equipment Without Operator, Deduct	-683.84	
01 22 23 00-1319 WK 6 CY Rear Dump Truck With Full-Time Truck Driver	4,856.65	
For Equipment Without Operator, Deduct	-3,419.20	
01 22 23 00-1320 MO 6 CY Rear Dump Truck With Full-Time Truck Driver	18,266.43	
For Equipment Without Operator, Deduct	-14,816.55	
01 22 23 00-1321 DAY 13 CY Rear Dump Truck With Full-Time Truck Driver	2,015.88	
For Equipment Without Operator, Deduct	-683.84	
01 22 23 00-1322 WK 13 CY Rear Dump Truck With Full-Time Truck Driver	6,495.34	
For Equipment Without Operator, Deduct	-3,419.20	
01 22 23 00-1323 MO 13 CY Rear Dump Truck With Full-Time Truck Driver	22,866.27	
For Equipment Without Operator, Deduct	-14,816.55	
01 22 23 00-1324 DAY 18 CY Rear Dump Truck With Full-Time Truck Driver	2,149.08	
For Equipment Without Operator, Deduct	-683.84	
01 22 23 00-1325 WK 18 CY Rear Dump Truck With Full-Time Truck Driver	6,802.96	
For Equipment Without Operator, Deduct	-3,419.20	
01 22 23 00-1326 MO 18 CY Rear Dump Truck With Full-Time Truck Driver	23,671.24	
For Equipment Without Operator, Deduct	-14,816.55	
01 22 23 00-1327 Vacuum Trucks (01 22 23 00-1282)		
01 22 23 00-1328 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	2,006.29	
For Equipment Without Operator, Deduct	-683.84	
01 22 23 00-1329 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	7,401.89	
For Equipment Without Operator, Deduct	-3,419.20	
01 22 23 00-1330 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	26,569.14	
For Equipment Without Operator, Deduct	-14,816.55	
01 22 23 00-1331 Water Trucks (01 22 23 00-1282)		
Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1077 for additional discharge hose, 01 22 23 00-1354 for water trailer.		
01 22 23 00-1332 DAY 2,000 Gallon Water Truck With Full-Time Driver.....	1,423.10	
For Equipment Without Operator, Deduct	-683.84	
For Each 1,000 Gallon Of Purchased Water, Add	13.97	
01 22 23 00-1333 WK 2,000 Gallon Water Truck With Full-Time Driver.....	5,365.92	
For Equipment Without Operator, Deduct	-3,419.20	
For Each 1,000 Gallon Of Purchased Water, Add	13.97	
01 22 23 00-1334 MO 2,000 Gallon Water Truck With Full-Time Driver.....	19,416.39	
For Equipment Without Operator, Deduct	-14,816.55	
For Each 1,000 Gallon Of Purchased Water, Add	13.97	
01 22 23 00-1335 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Driver	1,784.52	
For Equipment Without Operator, Deduct	-683.84	
For Each 1,000 Gallon Of Purchased Water, Add	13.97	
01 22 23 00-1336 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Driver	6,450.17	
For Equipment Without Operator, Deduct	-3,419.20	
For Each 1,000 Gallon Of Purchased Water, Add	13.97	
01 22 23 00-1337 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Driver	22,209.15	
For Equipment Without Operator, Deduct	-14,816.55	
For Each 1,000 Gallon Of Purchased Water, Add	13.97	
01 22 23 00-1338 Asphalt Distribution Trucks (01 22 23 00-1282)		
01 22 23 00-1339 DAY 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver.....	1,877.30	
For Equipment Without Operator, Deduct	-683.84	
01 22 23 00-1340 WK 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver.....	6,984.26	
For Equipment Without Operator, Deduct	-3,419.20	
01 22 23 00-1341 MO 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver.....	25,355.75	
For Equipment Without Operator, Deduct	-14,816.55	
01 22 23 00-1342 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board (01 22 23 00-1282)		
01 22 23 00-1343 DAY Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	1,388.53	
For Equipment Without Operator, Deduct	-676.99	
01 22 23 00-1344 WK Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	5,484.88	
For Equipment Without Operator, Deduct	-3,384.94	
01 22 23 00-1345 MO Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	19,767.71	
For Equipment Without Operator, Deduct	-14,668.08	
01 22 23 00-1346 Combination Jet/Vacuum Trucks (01 22 23 00-1282)		
01 22 23 00-1347 DAY 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	3,059.97	
For Equipment Without Operator, Deduct	-683.84	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1348 WK 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	14,542.37	
<i>For Equipment Without Operator, Deduct</i>	-3,419.20	
01 22 23 00-1349 DAY 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver.....	3,474.60	
<i>For Equipment Without Operator, Deduct</i>	-683.84	
01 22 23 00-1350 WK 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver.....	16,954.39	
<i>For Equipment Without Operator, Deduct</i>	-3,419.20	
01 22 23 00-1351 DAY 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver.....	3,873.28	
<i>For Equipment Without Operator, Deduct</i>	-683.84	
01 22 23 00-1352 WK 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver.....	19,366.40	
<i>For Equipment Without Operator, Deduct</i>	-3,419.20	
01 22 23 00-1353 Trailers <small>(01 22 23 00-1281)</small>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1354 Water Trailers With Pump <small>(01 22 23 00-1353)</small>		
01 22 23 00-1355 DAY 500 To 600 Gallon Water Trailer With Pump	188.92	
01 22 23 00-1356 WK 500 To 600 Gallon Water Trailer With Pump	484.63	
01 22 23 00-1357 MO 500 To 600 Gallon Water Trailer With Pump	1,297.81	
01 22 23 00-1358 Trailer Mounted Equipment <small>(01 22 23 00-1281)</small>		
01 22 23 00-1359 Trailer Mounted Under-Bridge Aerial Access Platform <small>(01 22 23 00-1358)</small>		
Note: Includes full-time operator. Excludes truck.		
01 22 23 00-1360 DAY Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	2,749.73	
<i>For Equipment Without Operator, Deduct</i>	-683.84	
01 22 23 00-1361 WK Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	9,616.86	
<i>For Equipment Without Operator, Deduct</i>	-3,419.20	
01 22 23 00-1362 MO Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	32,032.28	
<i>For Equipment Without Operator, Deduct</i>	-14,816.55	
01 22 23 00-1363 DAY Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	2,956.32	
<i>For Equipment Without Operator, Deduct</i>	-683.84	
01 22 23 00-1364 WK Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	10,236.63	
<i>For Equipment Without Operator, Deduct</i>	-3,419.20	
01 22 23 00-1365 MO Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	33,753.85	
<i>For Equipment Without Operator, Deduct</i>	-14,816.55	
01 22 23 00-1366 Trailer Mounted Bridge Stripping Buggy <small>(01 22 23 00-1358)</small>		
01 22 23 00-1367 DAY Trailer Mounted Bridge Overhang Stripping Buggy.....	234.42	
01 22 23 00-1368 WK Trailer Mounted Bridge Overhang Stripping Buggy.....	703.30	
01 22 23 00-1369 MO Trailer Mounted Bridge Overhang Stripping Buggy.....	1,953.53	
01 22 23 00-1370 Portable Trailer Mounted, CCTV Camera Systems <small>(01 22 23 00-1358)</small>		
Note: Includes trailer. Excludes truck.		
01 22 23 00-1371 MO Portable Trailer Mounted, Single Camera, CCTV Camera System.....	2,713.50	
01 22 23 00-1372 MO Portable Trailer Mounted, Multi-Camera/Loud Speaker, CCTV Camera System.....	4,703.40	

01 30 Administrative Requirements (01)

01 31 Project Management and Coordination (01 30)

01 31 33 Project Minimum Labor Costs (01 31)

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

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

01 31 33 00-0002 EA Carpenter Minimum Charge	1,084.81
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0003 EA Carpet, Linoleum Minimum Charge	1,035.95
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0004 EA Cement Mason Minimum Charge	739.88
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0005 EA Drywall Finisher Minimum Charge	982.64
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0006 EA Drywall Installer Minimum Charge	1,048.10
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0007 EA Electrician Minimum Charge	1,327.08
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0008 EA Glazier Minimum Charge	962.76
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 31 33 00-0009 EA Insulator Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,112.95	
01 31 33 00-0010 EA Laborer Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	709.15	
01 31 33 00-0011 EA Landscape Maintenance Worker Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	834.15	
01 31 33 00-0012 EA Ornamental Metal Worker Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,007.98	
01 31 33 00-0013 EA Painter, Ordinary Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	815.21	
01 31 33 00-0014 EA Plasterer Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	945.94	
01 31 33 00-0015 EA Plumber Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,366.15	
01 31 33 00-0016 EA Roofer, Tile/Slate Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,019.70	
01 31 33 00-0017 EA Roofer, Composite Built-Up Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,048.89	
01 31 33 00-0018 EA Sheet Metal Worker Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,258.51	
01 31 33 00-0019 EA Sprinkler Installer Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,303.89	
01 31 33 00-0020 EA Tile Layer (Floor) Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	869.19	

01 35 Special Procedures (01 30)

01 35 29 Health, Safety, and Emergency Response Procedures (01 35)

See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response (01 35 29)

See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0050 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0029 for container usage.

01 35 29 00-0002 MI Trucking Delivery Of 20' Shipping Container	2.52	
01 35 29 00-0003 MI Trucking Delivery Of 40' Shipping Container	5.05	

01 35 33 Infection Control Procedures (01 35)

See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

01 40 Quality Requirements (01)

01 45 Quality Control (01 40)

01 45 23 Testing and Inspecting Services (01 45)

Note: For application to existing materials/site conditions only. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

01 45 23 00-0001 Soils/Aggregate Testing (01 45 23)

01 45 23 00-0002 Field Soils Tests (01 45 23 00-0001)

01 45 23 00-0003 EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	330.57	
01 45 23 00-0004 EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	469.19	
01 45 23 00-0005 EA 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	533.18	
01 45 23 00-0006 EA Resistance (R) Value Soils Test, CA 301, Field Soils Test	426.54	
01 45 23 00-0007 EA Soils Classification Test, ASTM D-2487, Field Soils Test	639.81	
01 45 23 00-0008 SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....	1,279.18	
01 45 23 00-0009 EA Moisture Content, Field Soils Test	47.97	
01 45 23 00-0010 EA UBC Or Swell Test, Field Soils Test	168.05	
01 45 23 00-0011 EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	319.80	
01 45 23 00-0012 EA Proctor Compaction 6" Standard Mold, Field Soils Test	399.74	
01 45 23 00-0013 EA Density And Classification Test, Field Soils Test	127.92	
01 45 23 00-0014 EA Percolation Test, Field Soils Test.....	319.80	
01 45 23 00-0015 EA Infiltration Test, Field Soils Test.....	639.59	

01 45 23 00-0016 Aggregate Testing (01 45 23 00-0001)

01 45 23 00-0017 EA Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	106.64	
01 45 23 00-0018 EA Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	191.94	
01 45 23 00-0019 EA Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	266.59	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0020	EA		Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	207.87	
01 45 23 00-0021	EA		Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	169.42	
01 45 23 00-0022	EA		Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	151.90	
01 45 23 00-0023	EA		Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	225.90	
01 45 23 00-0024	EA		Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	213.27	
01 45 23 00-0025	EA		Aggregate Cleanness Value, ASTM C-128, CA 227	213.27	
01 45 23 00-0026	EA		Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217.....	159.95	
01 45 23 00-0027	EA		Fine Aggregate Durability Index, CA 229	170.62	
01 45 23 00-0028	EA		Sodium And Magnesium Soundness, ASTM C88.....	447.71	
01 45 23 00-0029	EA		Los Angeles Rattler, ASTM C-131, CA 211	341.23	
01 45 23 00-0030	EA		Los Angeles Rattler, ASTM C-535	341.23	
01 45 23 00-0031	EA		Unit Weight Of Aggregates, ASTM C29.....	95.97	
01 45 23 00-0032	EA		Organic Impurities In Sand, ASTM C40	95.94	
01 45 23 00-0033	EA		Crushed Particle, ASTM California Test Method.....	95.94	
01 45 23 00-0034	EA		Clay Lump And Friable Particles, ASTM C142	191.88	
01 45 23 00-0035			Permeability Tests (01 45 23 00-0001)		
01 45 23 00-0036			In-Place Tests (01 45 23 00-0035)		
01 45 23 00-0037	EA		Double Ring Infiltrometer Test, ASTM D3385.....	1,694.25	
01 45 23 00-0038	EA		Unconfined Compressive Strength (Pocket Penetrometer) Test.....	79.95	
01 45 23 00-0039			Lab Tests (01 45 23 00-0035)		
01 45 23 00-0040	EA		Falling Head Rigid Wall Consolidometer Technique CAE.....	790.65	
01 45 23 00-0041	EA		Falling Head Permeability Test EPA-9100.....	790.65	
01 45 23 00-0042	EA		Constant Head Permeability Test For Granular Soils, ASTM D2432.....	451.80	
01 45 23 00-0043			Concrete/Cement/Asphalt Testing (01 45 23)		
01 45 23 00-0044			Concrete Testing (01 45 23 00-0043)		
01 45 23 00-0045	EA		Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	23.38	
01 45 23 00-0046	EA		6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	67.77	
01 45 23 00-0047	EA		Concrete Cores Compression Test, ASTM C-42	138.63	
01 45 23 00-0048	EA		6 x 6 x 18 Concrete Flexural Test, ASTM C-78.....	202.61	
01 45 23 00-0049	EA		Unit Weight Of Concrete Cylinder, ASTM C-567	74.64	
01 45 23 00-0050	EA		Concrete Mix Design Review.....	405.21	
01 45 23 00-0051	EA		Trial Concrete Batch Prepared In Laboratory.....	959.72	
01 45 23 00-0052	EA		Concrete Shrinkage, ASTM C-157 Modified	746.44	
01 45 23 00-0053	EA		6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496.....	115.17	
01 45 23 00-0054	EA		Concrete Slump Test, ASTM C143.....	53.32	
01 45 23 00-0055	EA		Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	53.32	
01 45 23 00-0056			Cement Testing (01 45 23 00-0043)		
01 45 23 00-0057	EA		Cement Grab Sample (CCR Title 24)	53.32	
			Note: Includes sealing and storing 1 year.		
01 45 23 00-0058	EA		2" x 2" x 2" Cube Compression Test, All Type Materials.....	85.31	
01 45 23 00-0059			Asphaltic Concrete Testing (01 45 23 00-0043)		
01 45 23 00-0060	EA		Hveem Asphaltic Concrete Stability Test, CA 366	106.64	
01 45 23 00-0061	EA		Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	277.25	
01 45 23 00-0062	EA		Stability Tests, Premixed, ASTM D1559	106.64	
01 45 23 00-0063	EA		Stability Tests, Lab. Mixed, ASTM D1559	277.25	
01 45 23 00-0064	EA		Swell Test, CA 305	127.96	
			Note: Includes compaction.		
01 45 23 00-0065	EA		% Asphalt Extraction Test, ASTM D-2172 B	319.90	
01 45 23 00-0066	EA		Maximum Theoretical Unit Weight, ASTM C2041.....	203.31	
01 45 23 00-0067	EA		Unit Weight Sample Requiring Compaction, California Test Method 308	42.65	
01 45 23 00-0068	EA		Asphalt Unit Weight On Core Test, CA 308C.....	42.65	
01 45 23 00-0069	HR		Nuclear Field Density Testing, 4 Hour Minimum	219.67	
01 45 23 00-0070	EA		Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	143.91	
01 45 23 00-0071	EA		Penetration, ASTM D5	154.04	
01 45 23 00-0072			Masonry/Concrete Block/Tile Testing (01 45 23)		
01 45 23 00-0073			Masonry Testing (01 45 23 00-0072)		
01 45 23 00-0074	EA		2" x 4" Cylinder Mortar Compression Test	70.38	
01 45 23 00-0075	EA		4" x 4" x 8" Grout Prisms Compression Test.....	70.38	
01 45 23 00-0076	EA		Masonry Cores Compression Test.....	138.63	
01 45 23 00-0077	EA		Composite Grouted Prism Compression Test.....	266.59	
01 45 23 00-0078			Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0072)		



General Requirements		01
Quality Requirements		01 40
Quality Control		01 45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0079	EA		Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140.....	170.62	
01 45 23 00-0080	EA		Absorption Test, Moisture Content And Unit Weight.....	117.30	
01 45 23 00-0081	EA		First Unit, Moisture Condition By Relative Humidity, ASTM C427	447.71	
01 45 23 00-0082	EA		Moisture Condition By Relative Humidity, ASTM C427, Additional Unit.....	223.86	
01 45 23 00-0083			Metals Testing (01 45 23)		
01 45 23 00-0084			Tank Line Tightness Testing (01 45 23 00-0083)		
01 45 23 00-0085	EA		Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	559.29	
01 45 23 00-0086	EA		>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	621.03	
01 45 23 00-0087	EA		>29,999 Gallons, Tank Line Volumetric Tightness Testing	682.56	
01 45 23 00-0088			Other Testing (01 45 23)		
01 45 23 00-0089			Special Testing (01 45 23 00-0088)		
01 45 23 00-0090	EA		Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	165.31	
01 45 23 00-0091	EA		Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	991.86	
01 45 23 00-0092	EA		Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	49.84	
01 45 23 00-0093	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	206.72	
01 45 23 00-0094	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	206.72	
01 45 23 00-0095	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	206.72	
01 45 23 00-0096	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample.....	1,136.96	
01 45 23 00-0097	EA		Testing And Certification Of Backflow Valves	660.85	
01 45 23 00-0098			Nondestructive Field Testing Services (01 45 23 00-0088)		
01 45 23 00-0099			Infrared Thermography (01 45 23 00-0098) Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0100			Roof Investigation And Moisture Survey Using Infrared Thermography (01 45 23 00-0099) Note: For on the roof surveys.		
01 45 23 00-0101	EA		Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge.....	3,720.96	
01 45 23 00-0102	CSF		Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	6.20	
			<i>For CADD Drawings, Add</i>	1.24	
01 45 23 00-0103	CSF		>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	4.13	
			<i>For CADD Drawings, Add</i>	0.83	
01 45 23 00-0104	CSF		>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	3.10	
			<i>For CADD Drawings, Add</i>	0.62	
			<i>For Elevated Infrared Thermography Roof Investigation, Add</i>	0.78	
			<i>For Aerial Infrared Thermography Roof Investigation, Add</i>	0.78	
01 45 23 00-0105	CSF		>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.07	
			<i>For CADD Drawings, Add</i>	0.41	
			<i>For Elevated Infrared Thermography Roof Investigation, Add</i>	0.52	
			<i>For Aerial Infrared Thermography Roof Investigation, Add</i>	0.52	
01 45 23 00-0106			Building Moisture Investigation Using Infrared Thermography (01 45 23 00-0099) Note: For finding moisture in walls and windows.		
01 45 23 00-0107	EA		Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	1,963.84	
01 45 23 00-0108	CSF		Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	6.20	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	3.10	
01 45 23 00-0109	CSF		>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	4.13	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	2.07	
01 45 23 00-0110	CSF		>5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.07	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	1.04	
01 45 23 00-0111			General Building Investigation Using Infrared Thermography (01 45 23 00-0099) Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0112	EA		General Building Investigation Using Infrared Thermography, Mobilization Charge	4,031.04	
01 45 23 00-0113	CSF		Up To 1,000 SF, General Building Investigation Using Infrared Thermography	6.20	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	3.10	
01 45 23 00-0114	CSF		>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	4.13	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	2.07	
01 45 23 00-0115	CSF		>5,000 SF, General Building Investigation Using Infrared Thermography	2.07	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	1.04	
01 45 23 00-0116			Electrical /Mechanical Equipment Scanning Using Infrared Thermography (01 45 23 00-0099) Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0117	EA		Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	1,963.84	
01 45 23 00-0118	HR		Electrical /Mechanical Equipment Scanning Using Infrared Thermography	263.27	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	39.42	

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



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

01 45 23 00-0119	Concrete Block Wall Investigation Using Infrared Thermography <small>(01 45 23 00-0099)</small>	
	Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.	
01 45 23 00-0120	EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	1,963.84
01 45 23 00-0121	CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	6.20
	<i>For Digital Or Analog Recording Of All Items, Add</i>	<i>0.93</i>
01 45 23 00-0122	CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.13
	<i>For Digital Or Analog Recording Of All Items, Add</i>	<i>0.62</i>

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

01 45 23 00-0128	Testing Professional Services <small>(01 45 23 00-0088)</small>	
01 45 23 00-0129	HR Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection	198.34
01 45 23 00-0130	HR Laboratory Technician	191.94
01 45 23 00-0131	HR Portable Digital Reinforcement Scanner	277.25
01 45 23 00-0132	HR Subsurface Detection Radar System	469.19
01 45 23 00-0133	HR Pavement Rehabilitation Analysis Using Deflectors	533.18

01 45 29 Testing Laboratory Services (01 45)

01 45 29 00-0001	Soil Borings Laboratory Tests <small>(01 45 29)</small>	
01 45 29 00-0002	EA Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	146.84
01 45 29 00-0003	EA Shrinkage Limit, Soil Borings Laboratory Test	46.85
01 45 29 00-0004	EA Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	112.95
01 45 29 00-0005	EA Consolidation, Soil Borings Laboratory Test	790.65
01 45 29 00-0006	EA Swell Test, Soil Borings Laboratory Test	156.14
01 45 29 00-0007	EA In Place Density, Soil Borings Laboratory Test	33.88
01 45 29 00-0008	EA Moisture Content, ASTM D2216, Soil Borings Laboratory Test	21.05
01 45 29 00-0009	EA Hydrometer Analysis, Soil Borings Laboratory Test	271.78
01 45 29 00-0010	EA Specific Gravity, ASTM D854, Soil Borings Laboratory Test	94.76
01 45 29 00-0011	EA Partial Sieve Analysis, Soil Borings Laboratory Test	18.74
01 45 29 00-0012	EA Laboratory Permeability, Soil Borings Laboratory Test	936.94
01 45 29 00-0013	EA Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	189.51
01 45 29 00-0014	EA Sulfate Soundness, Soil Borings Laboratory Test	234.23
01 45 29 00-0015	EA Los Angeles Abrasion, Soil Borings Laboratory Test	546.16
01 45 29 00-0016	EA Soil Bearing Ratio, ASTM D1883	479.86
01 45 29 00-0017	EA Compaction Test Subgrade, Soil Borings Laboratory Test	140.54
01 45 29 00-0018	EA Compaction Test Base Course, Soil Borings Laboratory Test	118.91
01 45 29 00-0019	EA In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	462.13
01 45 29 00-0020	EA Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	71.83

01 50 Temporary Facilities and Controls (01)

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

01 51 Temporary Utilities (01 50)

01 51 13 Temporary Electricity (01 51)

01 51 13 00-0001	Temporary Service Switch And/Or Building Feeder Switch <small>(01 51 13)</small>	
	Note: Includes all connections and removal after use.	
01 51 13 00-0002	EA Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,644.59
01 51 13 00-0003	EA Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,580.12
01 51 13 00-0004	EA Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,631.21
01 51 13 00-0005	EA Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	7,312.19

01 51 13 00-0006	Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses <small>(01 51 13)</small>	
	Note: Includes mounting on wall and removal after use.	
01 51 13 00-0007	EA Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,588.24
01 51 13 00-0008	EA Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers	2,329.40
01 51 13 00-0009	EA Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers	3,614.43
01 51 13 00-0010	EA Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers	5,310.01

01 51 13 00-0011	Temporary Conduit And Cable For Temporary Disconnect Switches And Temporary Panelboards <small>(01 51 13)</small>	
	Note: Includes all connections, fittings, supports and removal after use.	
01 51 13 00-0012	LF Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	11.38
01 51 13 00-0013	LF Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	12.47



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

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

01 51 26 Temporary Lighting (01 51)

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

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light.....	330.09
01 51 26 00-0003	EA	Temporary 10 Light String With Cages.....	123.69
01 51 26 00-0004	EA	Temporary High Bay Light.....	471.62

01 52 Construction Facilities (01 50)

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

01 52 13 Field Offices and Sheds (01 52)

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

Note: Excludes furniture, utility connections and service. Minimum 6 months rental.

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet.....	180.51
		For Each Delivery And Removal, Two Round Trips, Add	702.24
		For Each Set-Up (Block And Level), Add	420.89
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52
		For Office Trailer Without Toilet, Deduct	-36.10
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet.....	204.57
		For Each Delivery And Removal, Two Round Trips, Add	702.24
		For Each Set-Up (Block And Level), Add	420.89
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52
		For Office Trailer Without Toilet, Deduct	-40.91
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet.....	276.77
		For Each Delivery And Removal, Two Round Trips, Add	994.84
		For Each Set-Up (Block And Level), Add	686.71
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52
		For Office Trailer Without Toilet, Deduct	-55.35
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet.....	294.83
		For Each Delivery And Removal, Two Round Trips, Add	994.84
		For Each Set-Up (Block And Level), Add	686.71
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52
		For Office Trailer Without Toilet, Deduct	-58.97
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet.....	324.91
		For Each Delivery And Removal, Two Round Trips, Add	994.84
		For Each Set-Up (Block And Level), Add	686.71
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet.....	342.96
		For Each Delivery And Removal, Two Round Trips, Add	994.84
		For Each Set-Up (Block And Level), Add	686.71
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet.....	265.34
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52
		For Each Delivery And Set-Up (Block And Level), Add	987.94
		For Each Knock-Down And Pick-Up, Add	792.94
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet.....	354.76
		For Each Delivery And Removal, Two Round Trips, Add	994.84
		For Each Set-Up (Block And Level), Add	686.71
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet.....	403.13
		For Each Delivery And Removal, Two Round Trips, Add	994.84
		For Each Set-Up (Block And Level), Add	686.71
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet.....	439.23
		For Each Delivery And Removal, Two Round Trips, Add	994.84
		For Each Set-Up (Block And Level), Add	686.71
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet.....	962.68
		For Each Delivery And Removal, Two Round Trips, Add	1,872.65
		For Each Set-Up (Block And Level), Add	1,107.60
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet.....	1,155.22
		For Each Delivery And Removal, Two Round Trips, Add	1,872.65
		For Each Set-Up (Block And Level), Add	1,107.60
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet.....	549.03
		For Each Delivery And Removal, Two Round Trips, Add	1,872.65
		For Each Set-Up (Block And Level), Add	1,107.60
		For Each Anchoring Into Dirt, Add	128.35
		For Each Anchoring Into Asphalt Or Concrete, Add	192.52

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



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

01 52 13 00-0015 **Accessories For Field Office Trailers** (01 52 13)
 Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO	Desk For Field Office Trailer	55.02	
01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer	34.39	
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer	41.26	
01 52 13 00-0019	MO	Table For Field Office Trailer	27.51	
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer	13.03	
01 52 13 00-0021	EA	Phone Hook-Up For Field Office Trailer	151.30	
01 52 13 00-0022	MO	Local Phone Service Per Phone Line For Field Office Trailer	96.28	
01 52 13 00-0023	MO	Security System With Monitoring For Field Office Trailer	173.35	
01 52 13 00-0024	LF	Perimeter Trailer Skirting For Field Office Trailer	15.41	
01 52 13 00-0025	LF	Insulated Perimeter Trailer Skirting For Field Office Trailer	36.49	
01 52 13 00-0026	MO	Steps For Field Office Trailer	44.92	
01 52 13 00-0027	MO	Fax Machine For Field Office Trailer	68.77	
01 52 13 00-0028	MO	Copier For Field Office Trailer	110.03	

01 52 13 00-0029 **Storage Containers** (01 52 13)

01 52 13 00-0030	MO	8' x 8' x 10' Storage Container	221.38	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	176.76	
		<i>For >12 Months, Deduct</i>	-66.41	
01 52 13 00-0031	MO	8' x 8' x 20' Storage Container	231.44	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	194.44	
		<i>For >12 Months, Deduct</i>	-69.43	
01 52 13 00-0032	MO	8' x 8' x 40' Storage Container	273.70	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	391.59	
		<i>For >12 Months, Deduct</i>	-82.11	

01 52 19 **Sanitary Facilities** (01 52)

01 52 19 00-0001 **Portable Toilets** (01 52 19)

Note: Includes set-up, servicing once per week (unless task states otherwise) and removal.

01 52 19 00-0002	WK	Portable Chemical Toilet	65.66	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
		<i>For Each Delivery, Add</i>	26.00	
01 52 19 00-0003	MO	Portable Chemical Toilet	196.99	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
		<i>For Each Delivery, Add</i>	26.00	
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet	78.32	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
		<i>For Each Delivery, Add</i>	26.00	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet	229.83	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
		<i>For Each Delivery, Add</i>	26.00	
01 52 19 00-0006	WK	Two Station Portable Handwash	52.71	
		<i>For Each Delivery, Add</i>	26.00	
01 52 19 00-0007	MO	Two Station Portable Handwash	159.90	
		<i>For Each Delivery, Add</i>	26.00	
01 52 19 00-0008	MO	6 Station, Portable Toilets, Multi Trailer	4,372.42	
		Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)		
01 52 19 00-0009	WK	Service 6 Station Trailer Restrooms, 3 Times Per Week	2,205.20	
		<i>For One Additional Service Per Week, Add</i>	735.07	
		Note: For one less service per week, UOM to be negative one (-1)		

01 53 **Temporary Construction** (01 53)

01 53 16 **Temporary Decking** (01 53)

01 53 16 00-0001 **Temporary Walkways And Railings** (01 53 16)

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	7.82	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	35.24	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam	14.64	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers	26.35	

01 53 23 **Temporary Ramps** (01 53)

01 53 23 00-0001 **Temporary Plywood For Wheel Barrow Access** (01 53 23)

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access	1.70	0.52
------------------	----	---	------	------

01 54 **Construction Aids** (01 54)

01 54 09 **Personnel Protection Equipment** (01 54)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 09 00-0001 Personnel Protection Equipment <small>(01 54 09)</small>		
<small>Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responsibility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.</small>		
01 54 09 00-0002 NTE Personnel Protection Equipment.....	0.00	
<small>Note: For specification publishing. Review specifications for requirements.</small>		
01 54 23 Temporary Scaffolding and Platforms <small>(01 54)</small>		
01 54 23 00-0001 Scaffolding <small>(01 54 23)</small>		
<small>Note: Additional scaffolding rental for work above the normal working height.</small>		
01 54 23 00-0002 Scaffolding Rental - Rental Only <small>(01 54 23 00-0001)</small>		
<small>Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.</small>		
01 54 23 00-0003 CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month).....	28.77	
<small>For Up To 25, Add</small>	11.51	
<small>For >25 To 50, Add</small>	7.19	
<small>For >50 To 150, Add</small>	2.88	
01 54 23 00-0004 CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	32.35	
<small>For Up To 25, Add</small>	12.94	
<small>For >25 To 50, Add</small>	8.09	
<small>For >50 To 150, Add</small>	3.24	
01 54 23 00-0005 CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month).....	43.15	
<small>For Up To 25, Add</small>	17.26	
<small>For >25 To 50, Add</small>	10.79	
<small>For >50 To 150, Add</small>	4.32	
01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only <small>(01 54 23 00-0001)</small>		
<small>Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.</small>		
01 54 23 00-0007 CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	54.96	
01 54 23 00-0008 CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	68.70	
01 54 23 00-0009 CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	82.43	
01 54 23 00-0010 CCF >60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	90.68	
01 54 23 00-0011 CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	104.42	
01 54 23 00-0012 CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories	65.95	
01 54 23 00-0013 Heavy Duty Masonry Scaffolding Rental - Rental Only <small>(01 54 23 00-0001)</small>		
<small>Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.</small>		
01 54 23 00-0014 CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	65.80	
01 54 23 00-0015 CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month).....	120.63	
01 54 23 00-0016 LF Aluminum Joists (LF / Month)	10.70	
01 54 23 00-0017 LF Aluminum Stringers (LF / Month)	15.34	
01 54 23 00-0018 EA Screw Jack With U-Plate For Stringers (EA / Month).....	19.33	
01 54 23 00-0019 Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only <small>(01 54 23 00-0001)</small>		
<small>Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.</small>		
01 54 23 00-0020 CCF Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	87.93	
01 54 23 00-0021 CCF >20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	109.91	
01 54 23 00-0022 CCF >40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	131.90	
01 54 23 00-0023 CCF >60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	142.89	
01 54 23 00-0024 CCF >80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	159.38	
01 54 23 00-0025 Scaffolding Accessories <small>(01 54 23 00-0001)</small>		
<small>See CSI section 01 54 23 00-0019 for erection.</small>		
01 54 23 00-0026 CSF Netting for Exterior Building Scaffolding.....	40.16	
<small>Note: Includes removal after use.</small>		
01 54 23 00-0027 Rolling Scaffolding <small>(01 54 23)</small>		
<small>Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.</small>		
01 54 23 00-0028 DAY >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	11.48	

01 General Requirements**01 50 Temporary Facilities and Controls****01 54 Construction Aids**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 54 23 00-0029	WK	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	45.99
01 54 23 00-0030	MO	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	183.93
01 54 23 00-0031	DAY	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	19.21
01 54 23 00-0032	WK	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	76.95
01 54 23 00-0033	MO	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	307.82
01 54 23 00-0034	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	107.59
01 54 23 00-0035	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	134.48

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

Note: Includes moving to perform task and removal after use. No additional cost for relocating will be allowed.

01 54 23 00-0037	DAY	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	7.73
01 54 23 00-0038	WK	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	23.18
01 54 23 00-0039	MO	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	38.63

01 54 23 00-0040 Temporary Lumber, Single Use (01 54 23)

Note: Includes removal after use.

01 54 23 00-0041	SF	5/16" CD Grade Plywood, Temporary Lumber	2.70
01 54 23 00-0042	SF	1/2" CD Grade Plywood, Temporary Lumber	3.22
01 54 23 00-0043	SF	5/8" CD Grade Plywood, Temporary Lumber	3.45
01 54 23 00-0044	SF	3/4" CD Grade Plywood, Temporary Lumber	3.84
01 54 23 00-0045	SF	1" CD Grade Plywood, Temporary Lumber	5.74
01 54 23 00-0046	LF	2" x 4" Temporary Lumber	3.34
01 54 23 00-0047	LF	2" x 6" Temporary Lumber	4.24
01 54 23 00-0048	LF	2" x 8" Temporary Lumber	5.15
01 54 23 00-0049	LF	2" x 10" Temporary Lumber	6.05
01 54 23 00-0050	LF	2" x 12" Temporary Lumber	6.96
01 54 23 00-0051	LF	3" x 8" Temporary Lumber	6.96
01 54 23 00-0052	LF	3" x 10" Temporary Lumber	8.31
01 54 23 00-0053	LF	3" x 12" Temporary Lumber	9.68
01 54 23 00-0054	LF	4" x 4" Temporary Lumber	4.54
01 54 23 00-0055	LF	4" x 6" Temporary Lumber	6.54
01 54 23 00-0056	LF	6" x 6" Temporary Lumber	8.53
01 54 23 00-0057	LF	6" x 8" Temporary Lumber	11.09
01 54 23 00-0058	LF	12" x 12" Temporary Lumber	27.25

01 54 23 00-0059 Temporary Precast Concrete Blocks (01 54 23)

Note: Includes removal after use.

01 54 23 00-0060	EA	2' x 2' x 2' Temporary Precast Concrete (Ecology) Block	128.38
		Note: Includes removal after use.	
01 54 23 00-0061	EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block	160.49
		Note: Includes removal after use.	
01 54 23 00-0062	EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block	215.51
		Note: Includes removal after use.	

01 54 26 Temporary Swing Staging (01 54)

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.

01 54 26 00-0001 Swing Stage (01 54 26)

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.

01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	2,892.02
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated	3,036.62
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated	3,181.22
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated	3,325.82
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated	3,470.43
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated	3,615.03
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated	3,759.63
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated	833.93
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated	1,042.42
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling	4,586.58
		Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling	6,373.83
		Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	2,411.73
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	3,359.19

01 55 Vehicular Access and Parking (01 50)**01 55 23 Temporary Roads** (01 55)**01 55 23 00-0001 Temporary Stabilized Construction Entrance** (01 55 23)

Note: As per Caltrans detail.

01 55 23 00-0002	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly	4.32
		Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 23 00-0003	SF		>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly .....5.76 Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		
01 55 23 00-0004			Rumble Trench Plate (01 55 23)		
01 55 23 00-0005	MO		8' x 10' Steel Rumble Trench Plate Rental.....386.26		
01 55 23 00-0006	EA		Placement And Removal Of Rumble Plate .....93.90 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 23 00-0007	EA		Relocate And Adjust Location Of Rumble Plate.....23.48 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 23 00-0008			Temporary Road Ramps (Godwin) (01 55 23)		
			Note: Excludes asphalt and gravel.		
01 55 23 00-0009	EA		4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....4,728.97		206.39
01 55 23 00-0010	EA		6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....6,436.64		309.59
01 55 23 00-0011	EA		8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....8,894.97		412.79
01 55 23 00-0012	EA		12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....18,484.36		515.99
01 55 23 00-0013	EA		24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin).....27,135.45		619.18
01 55 26			Traffic Control (01 55)		
01 55 26 00-0001			Temporary Removable Preformed Traffic Black Line Mask (01 55 26)		
			Note: Includes installation and removal after use.		
01 55 26 00-0002	LF		6" Removable Traffic Black Line Mask.....5.04		
01 55 26 00-0003	LF		8" Removable Traffic Black Line Mask.....6.09		
01 55 26 00-0004			Temporary Preformed Traffic Line Tape (01 55 26)		
			Note: Includes installation and removal after use.		
01 55 26 00-0005	LF		4" Reflective Removable Traffic Line Tape.....5.10		
01 55 26 00-0006	LF		6" Reflective Removable Traffic Line Tape.....6.95		
01 55 26 00-0007	LF		8" Reflective Removable Traffic Line Tape.....8.71		
01 55 26 00-0008			Temporary Painted Traffic Lines (01 55 26)		
			Note: Includes installation and removal after use.		
01 55 26 00-0009	LF		4" Temporary Painted Traffic Lines.....2.29		
			<i>For Not Removed, Deduct</i>		-1.48
01 55 26 00-0010	LF		6" Temporary Painted Traffic Lines.....3.02		
			<i>For Not Removed, Deduct</i>		-2.02
01 55 26 00-0011	LF		8" Temporary Painted Traffic Lines.....3.79		
			<i>For Not Removed, Deduct</i>		-2.58
01 55 26 00-0012	EA		2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....3.31		
01 55 26 00-0013	EA		2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....3.34		
01 55 26 00-0014			Temporary Pedestrian Traffic Control (01 55 26)		
01 55 26 00-0015	CLF		1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange .....12.48		
01 55 26 00-0016	CLF		2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange .....16.85		
01 55 26 00-0017	CLF		3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....9.02		
01 55 26 00-0018	CLF		2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....11.31		
01 55 26 00-0019	CLF		3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....12.67		
01 55 26 00-0020	CLF		6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....18.25		
01 55 26 00-0021	CLF		1" Exterior Vinyl Tape (Warning Tape).....15.45		
01 55 26 00-0022	CLF		2" Exterior Vinyl Tape (Warning Tape).....22.48		
01 55 26 00-0023	CLF		3" Exterior Vinyl Tape (Warning Tape).....29.24		
01 55 26 00-0024	CLF		4" Exterior Vinyl Tape (Warning Tape).....34.26		
01 55 26 00-0025			Linear Delineation System, Temporary Or Permanent (01 55 26)		
			Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0026	LF		4" Linear Delineation System.....10.93		
01 55 26 00-0027	LF		6" Linear Delineation System.....14.79		
01 55 26 00-0028			Temporary Traffic Protection (01 55 26)		
01 55 26 00-0029			Temporary Portable Traffic Control Device Usage (01 55 26 00-0028)		
			Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0104 for delivery, placing and removal.		
01 55 26 00-0030	DAY		28" Cone With Reflective Collar.....0.83		
01 55 26 00-0031	WK		28" Cone With Reflective Collar.....2.49		
01 55 26 00-0032	MO		28" Cone With Reflective Collar.....7.47		
01 55 26 00-0033	DAY		Vertical Panel.....2.51		
01 55 26 00-0034	WK		Vertical Panel.....7.52		
01 55 26 00-0035	MO		Vertical Panel.....22.55		
01 55 26 00-0036	DAY		Channelizer Drum.....2.72		

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



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

01 55 26 00-0037	WK		Channelizer Drum	8.16	
01 55 26 00-0038	MO		Channelizer Drum	24.48	
01 55 26 00-0039	DAY		Stackable Channelizer Panel	1.29	
01 55 26 00-0040	WK		Stackable Channelizer Panel	3.86	
01 55 26 00-0041	MO		Stackable Channelizer Panel	11.57	
01 55 26 00-0042	DAY		Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.78	
01 55 26 00-0043	WK		Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	5.34	
01 55 26 00-0044	MO		Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	16.03	
01 55 26 00-0045	DAY		Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	3.95	
01 55 26 00-0046	WK		Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	11.84	
01 55 26 00-0047	MO		Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	35.53	
01 55 26 00-0048	DAY		Type III Barricade, Up To 5' Wide With Three Reflective Rails	4.50	
01 55 26 00-0049	WK		Type III Barricade, Up To 5' Wide With Three Reflective Rails	13.50	
01 55 26 00-0050	MO		Type III Barricade, Up To 5' Wide With Three Reflective Rails	40.49	
01 55 26 00-0051	DAY		Type III Barricade, >5' To 10' Wide With Three Reflective Rails	8.23	
01 55 26 00-0052	WK		Type III Barricade, >5' To 10' Wide With Three Reflective Rails	24.69	
01 55 26 00-0053	MO		Type III Barricade, >5' To 10' Wide With Three Reflective Rails	74.06	
01 55 26 00-0054	DAY		Up To 10' Wide A Frame Barricade	4.51	
01 55 26 00-0055	WK		Up To 10' Wide A Frame Barricade	13.54	
01 55 26 00-0056	MO		Up To 10' Wide A Frame Barricade	40.62	
01 55 26 00-0057	DAY		Type A Or C Flasher	0.92	
01 55 26 00-0058	WK		Type A Or C Flasher	2.76	
01 55 26 00-0059	MO		Type A Or C Flasher	8.28	
01 55 26 00-0060	DAY		Type B Flasher (High Intensity)	4.99	
01 55 26 00-0061	WK		Type B Flasher (High Intensity)	14.97	
01 55 26 00-0062	MO		Type B Flasher (High Intensity)	44.91	

01 55 26 00-0063

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

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0104 for delivery, placing and removal.

01 55 26 00-0064	DAY		6' Long Portable Parking Curbs	2.15	
01 55 26 00-0065	WK		6' Long Portable Parking Curbs	6.45	
01 55 26 00-0066	MO		6' Long Portable Parking Curbs	19.34	
01 55 26 00-0067	DAY		6' Long Portable Speed Bumps	6.36	
01 55 26 00-0068	WK		6' Long Portable Speed Bumps	19.08	
01 55 26 00-0069	MO		6' Long Portable Speed Bumps	57.24	
01 55 26 00-0070	DAY		Up To 12.5' Concrete Traffic Barrier	15.28	
01 55 26 00-0071	WK		Up To 12.5' Concrete Traffic Barrier	45.84	
01 55 26 00-0072	MO		Up To 12.5' Concrete Traffic Barrier	137.51	
01 55 26 00-0073	DAY		>12.5' To 20' Concrete Traffic Barrier	30.56	
01 55 26 00-0074	WK		>12.5' To 20' Concrete Traffic Barrier	91.68	
01 55 26 00-0075	MO		>12.5' To 20' Concrete Traffic Barrier	275.03	
01 55 26 00-0076	DAY		6' x 32" Tall Plastic Water Barrier	18.25	
01 55 26 00-0077	WK		6' x 32" Tall Plastic Water Barrier	54.74	
01 55 26 00-0078	MO		6' x 32" Tall Plastic Water Barrier	164.23	
01 55 26 00-0079	DAY		6' x 46" Tall Plastic Water Barrier	26.06	
01 55 26 00-0080	WK		6' x 46" Tall Plastic Water Barrier	78.17	
01 55 26 00-0081	MO		6' x 46" Tall Plastic Water Barrier	234.50	
01 55 26 00-0082	DAY		Sand Filled Crash Attenuator Barrels	10.20	
01 55 26 00-0083	WK		Sand Filled Crash Attenuator Barrels	30.60	
01 55 26 00-0084	MO		Sand Filled Crash Attenuator Barrels	91.79	

01 55 26 00-0085

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

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0104 for delivery, placing and removal.

01 55 26 00-0086	DAY		Mesh Or Vinyl Roll-up Sign With Stand	8.01	
01 55 26 00-0087	WK		Mesh Or Vinyl Roll-up Sign With Stand	24.02	
01 55 26 00-0088	MO		Mesh Or Vinyl Roll-up Sign With Stand	72.06	
01 55 26 00-0089	DAY		Aluminum Sign And Post	3.71	
01 55 26 00-0090	WK		Aluminum Sign And Post	11.14	
01 55 26 00-0091	MO		Aluminum Sign And Post	33.43	
01 55 26 00-0092	DAY		Aluminum Sign And A Frame Stand	6.05	
01 55 26 00-0093	WK		Aluminum Sign And A Frame Stand	18.16	
01 55 26 00-0094	MO		Aluminum Sign And A Frame Stand	54.49	
01 55 26 00-0095	DAY		Trailer Mounted Flashing Arrow Board	135.00	
01 55 26 00-0096	WK		Trailer Mounted Flashing Arrow Board	373.66	
01 55 26 00-0097	MO		Trailer Mounted Flashing Arrow Board	988.39	
01 55 26 00-0098	DAY		Trailer Mounted Portable Variable Message Sign (PVMS)	363.99	
01 55 26 00-0099	WK		Trailer Mounted Portable Variable Message Sign (PVMS)	970.64	
01 55 26 00-0100	MO		Trailer Mounted Portable Variable Message Sign (PVMS)	1,941.28	
01 55 26 00-0101	DAY		Two Head, Trailer Mounted Traffic Signal System (Set Of Two)	1,361.99	
			Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0102	WK		Two Head, Trailer Mounted Traffic Signal System (Set Of Two)	4,085.97	
			Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0103	MO		Two Head, Trailer Mounted Traffic Signal System (Set Of Two)	12,257.91	
			Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		



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

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

01 55 26 00-0104

Place And Remove Temporary Traffic Protection Using Truck (01 55 26 00-0028)

Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0039 for delivery >15 miles.

01 55 26 00-0105	EA	Placement And Removal Of Up To 250 Cones Using Truck.....	3.68
01 55 26 00-0106	EA	Placement And Removal Of >250 Cones Using Truck	3.22
01 55 26 00-0107	EA	Placement And Removal Of Up To 250 Panels/Channelizers Using Truck	6.07
01 55 26 00-0108	EA	Placement And Removal Of >250 Panels/Channelizers Using Truck.....	5.05
01 55 26 00-0109	EA	Placement And Removal Of Up To 250 Barricades Using Truck.....	9.18
01 55 26 00-0110	EA	Placement And Removal Of >250 Barricades Using Truck.....	7.35
01 55 26 00-0111	EA	Placement And Removal Of Curbs/Speed Bumps Using Truck.....	9.18
01 55 26 00-0112	EA	Placement And Removal Of Portable Sign And Stand Using Truck.....	5.51
01 55 26 00-0113	EA	Placement And Removal Of Aluminum Sign And Post Using Truck	22.97
01 55 26 00-0114	EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck	68.90
01 55 26 00-0115	EA	Placement And Removal Of Up To 12.5' Concrete Traffic Barrier	93.90
		Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	
		For 1 Barrier, Add	234.75
		For 2 Barriers, Add	84.51
		For 3 Barriers, Add	28.17
01 55 26 00-0116	EA	Placement And Removal Of >12.5' Concrete Traffic Barrier.....	140.84
		Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	
		For 1 Barrier, Add	352.10
		For 2 Barriers, Add	126.76
		For 3 Barriers, Add	42.25
01 55 26 00-0117	EA	Placement And Removal Of Plastic Water Barrier	53.93
		Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.	
		For 1 Barrier, Add	117.35
		For 2 Barriers, Add	42.25
		For 3 Barriers, Add	14.08
01 55 26 00-0118	EA	Placement And Removal Of Crash Attenuator Barrels	70.42
		Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	
		For 1 Barrier, Add	176.05
		For 2 Barriers, Add	63.38
		For 3 Barriers, Add	21.13

01 55 26 00-0119

Place And Remove Temporary Traffic Protection From Roadside (Daily) (01 55 26 00-0028)

01 55 26 00-0120	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside.....	2.29
01 55 26 00-0121	EA	Placement And Removal Of >250 Cones By Hand From Roadside	1.83
01 55 26 00-0122	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside	3.06
01 55 26 00-0123	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside	2.44
01 55 26 00-0124	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside	4.60
01 55 26 00-0125	EA	Placement And Removal Of >250 Barricades By Hand From Roadside	3.68
01 55 26 00-0126	EA	Placement And Removal Of Portable Sign And Stand From Roadside	2.78
01 55 26 00-0127	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside.....	34.44
01 55 26 00-0128	EA	Roadside Relocation Of Concrete Traffic Barrier	46.94
		Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	

01 55 26 00-0129

Temporary Rumble Strips (01 55 26)

Note: Includes removal after use.

01 55 26 00-0130	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip.....	13.04
01 55 26 00-0131	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip.....	9.38

01 56 Temporary Barriers and Enclosures (01 50)

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers (01 56)

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

Note: Includes removal after use.

01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors.....	0.37
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls.....	0.47
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings.....	0.63
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding.....	0.62
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....	0.45
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....	0.55
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....	0.71
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding	0.67
01 56 16 00-0010	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.86
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Floors.....	0.48
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Walls.....	0.58
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Ceilings.....	0.74
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Scaffolding	0.70
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors	0.47
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls.....	0.57
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.73

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0018	SF		6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.69	
01 56 16 00-0019	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors.....	0.54	
01 56 16 00-0020	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls.....	0.64	
01 56 16 00-0021	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.80	
01 56 16 00-0022	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.76	
01 56 16 00-0023			Accessories For Temporary Sheeting <small>(01 56 16)</small>		
			Note: Includes removal after use.		
01 56 16 00-0024	EA		7' Zipper Door For Plastic Sheeting	22.62	
01 56 16 00-0025	LF		Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall).....	9.19	
			Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors.		
01 56 16 00-0026			Temporary Critical Barriers For Protection <small>(01 56 16)</small>		
			Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0027	EA		Up To 1 SF Individual Critical Barriers	12.29	
			Note: For Outlets And Receptacles		
01 56 16 00-0028	EA		>1 To 4 SF Individual Critical Barriers.....	18.63	
			Note: For diffusers, ceiling speakers, return grilles, etc.		
01 56 16 00-0029	EA		>4 To 8 SF Individual Critical Barriers.....	25.04	
			Note: For diffusers, return grilles, access doors, light fixtures, etc.		
01 56 16 00-0030	EA		>8 To 32 SF Individual Critical Barriers.....	39.14	
			Note: For doors, windows, etc.		
01 56 16 00-0031			Temporary Stud Wall <small>(01 56 16)</small>		
			Note: Includes removal after use.		
01 56 16 00-0032			Temporary Stud Wall With Drywall <small>(01 56 16 00-0031)</small>		
			Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0033			Temporary Stud Wall With Drywall <small>(01 56 16 00-0032)</small>		
01 56 16 00-0034	SF		3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.66	
			For Metal Studs 24" On Center, Add/Deduct	0.47	
01 56 16 00-0035	SF		1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.66	
			For Metal Studs 24" On Center, Add/Deduct	0.47	
01 56 16 00-0036	SF		5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.75	
			For Metal Studs 24" On Center, Add/Deduct	0.47	
01 56 16 00-0037	SF		3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.11	
			For Metal Studs 24" On Center, Add/Deduct	0.57	
01 56 16 00-0038	SF		1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.11	
			For Metal Studs 24" On Center, Add/Deduct	0.57	
01 56 16 00-0039	SF		5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.29	
			For Metal Studs 24" On Center, Add/Deduct	0.57	
01 56 16 00-0040			Temporary Stud Wall With Fire Rated Drywall <small>(01 56 16 00-0032)</small>		
01 56 16 00-0041	SF		1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.76	
			For Metal Studs 24" On Center, Add/Deduct	0.47	
01 56 16 00-0042	SF		5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.79	
			For Metal Studs 24" On Center, Add/Deduct	0.47	
01 56 16 00-0043	SF		5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.74	
			For Metal Studs 24" On Center, Add/Deduct	0.47	
01 56 16 00-0044	SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.44	
			For Metal Studs 24" On Center, Add/Deduct	0.47	
01 56 16 00-0045	SF		1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.31	
			For Metal Studs 24" On Center, Add/Deduct	0.57	
01 56 16 00-0046	SF		5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.38	
			For Metal Studs 24" On Center, Add/Deduct	0.57	
01 56 16 00-0047	SF		5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.27	
			For Metal Studs 24" On Center, Add/Deduct	0.57	
01 56 16 00-0048	SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	10.68	
			For Metal Studs 24" On Center, Add/Deduct	0.57	
01 56 16 00-0049			Temporary Stud Wall With Oriented Strand Board (OSB) <small>(01 56 16 00-0031)</small>		
			Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0050	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.76	
			For Metal Studs 24" On Center, Add/Deduct	0.47	
01 56 16 00-0051	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.83	
			For Metal Studs 24" On Center, Add/Deduct	0.47	
01 56 16 00-0052	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.03	
			For Metal Studs 24" On Center, Add/Deduct	0.47	
01 56 16 00-0053	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	7.14	
			For Metal Studs 24" On Center, Add/Deduct	0.47	
01 56 16 00-0054	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.32	
			For Metal Studs 24" On Center, Add/Deduct	0.57	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0055	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center .....9.46 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.57		
01 56 16 00-0056	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 9.86 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.57		
01 56 16 00-0057	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center .....10.07 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.57		
01 56 16 00-0058			Temporary Stud Wall With BC Plywood <small>(01 56 16 00-0031)</small> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0059	SF		3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center .....7.24 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.47		
01 56 16 00-0060	SF		1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center .....7.49 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.47		
01 56 16 00-0061	SF		5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center .....7.61 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.47		
01 56 16 00-0062	SF		3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center .....7.80 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.47		
01 56 16 00-0063	SF		3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center .....10.27 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.57		
01 56 16 00-0064	SF		1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center .....10.78 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.57		
01 56 16 00-0065	SF		5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center .....11.01 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.57		
01 56 16 00-0066	SF		3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center .....11.40 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.57		
01 56 16 00-0067			Temporary Stud Wall With Plastic Sheeting <small>(01 56 16 00-0031)</small> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheathing, and removal after use.		
01 56 16 00-0068	SF		6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center .....3.94 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.35		
01 56 16 00-0069	SF		6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center .....4.02 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.35		
01 56 16 00-0070	SF		6 Mil, Fire Retardant, Anti-Static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center .....4.05 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.35		
01 56 16 00-0071	SF		6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center .....4.04 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.35		
01 56 16 00-0072	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center .....4.11 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.35		
01 56 16 00-0073			Temporary Doors <small>(01 56 16 00-0031)</small> Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0074	EA		Temporary Metal Door And Frame 656.54 Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.		
01 56 16 00-0075			Temporary Floor Protection <small>(01 56 16)</small> Note: Includes removal after use.		
01 56 16 00-0076	SF		1/8" Thick, Masonite For Temporary Floor Protection .....1.70		
01 56 16 00-0077	SF		1/2" Thick, Plywood For Temporary Floor Protection .....1.76		
01 56 16 00-0078	SF		3/4" Thick, Plywood For Temporary Floor Protection .....2.06		
01 56 16 00-0079	LF		38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection .....1.01		
01 56 16 00-0080	LF		36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection .....0.32		
01 56 16 00-0081	CSF		3 Mil, Temporary Self-adhesive Carpet Protection Film .....26.16		
01 56 16 00-0082	SF		Burlap For Temporary Floor Protection .....0.70		
01 56 16 00-0083			Sticky Mats <small>(01 56 16)</small> Note: Includes removal after use.		
01 56 16 00-0084	EA		18" x 36", 30 Layer Sticky Mat .....36.18 <i>For 60 Layers Instead Of 30, Add</i> 23.90		
01 56 16 00-0085	EA		18" x 46", 30 Layer Sticky Mat .....41.49 <i>For 60 Layers Instead Of 30, Add</i> 27.89		
01 56 16 00-0086	EA		24" x 36", 30 Layer Sticky Mat .....41.49 <i>For 60 Layers Instead Of 30, Add</i> 27.89		
01 56 16 00-0087	EA		25" x 45", 30 Layer Sticky Mat .....54.77 <i>For 60 Layers Instead Of 30, Add</i> 37.85		
01 56 16 00-0088	EA		36" x 36", 30 Layer Sticky Mat .....60.08 <i>For 60 Layers Instead Of 30, Add</i> 41.83		
01 56 16 00-0089	EA		36" x 46", 30 Layer Sticky Mat .....65.39 <i>For 60 Layers Instead Of 30, Add</i> 45.81		
01 56 16 00-0090	EA		36" x 60", 30 Layer Sticky Mat .....131.78 <i>For 60 Layers Instead Of 30, Add</i> 95.60		
01 56 16 00-0091	EA		36" x 72", 30 Layer Sticky Mat .....157.27		
01 56 26			Temporary Fencing <small>(01 56)</small>		
01 56 26 00-0001			Temporary Fencing <small>(01 56 26)</small> Note: Per ASTM A392-06 Standards		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0002 Temporary Chain Link Fence <small>(01 56 26 00-0001)</small> Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0003 Temporary Chain Link Fence, Up To 6 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0004 LF Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	6.50	
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.31	
For >500, Deduct	-0.46	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0005 LF Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	7.24	
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.35	
For >500, Deduct	-0.52	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0006 LF Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	9.97	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.87	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0007 LF Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	21.90	
For >100 To 250, Deduct	-0.87	
For >250 To 500, Deduct	-1.73	
For >500, Deduct	-2.60	
For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0008 Temporary Chain Link Fence, >6 To 12 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0009 LF Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	6.81	
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.34	
For >500, Deduct	-0.51	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0010 LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	7.58	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.38	
For >500, Deduct	-0.57	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0011 LF Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	10.54	
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.96	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0012 LF Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	23.63	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.86	
For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0013 Temporary Chain Link Fence, >12 To 18 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0014 LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	7.15	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.37	
For >500, Deduct	-0.56	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0015 LF Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....	7.97	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0016 LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....	11.20	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-1.06	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0017 LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....	25.53	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-2.10	
For >500, Deduct	-3.14	
For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0018 Temporary Chain Link Fence, >18 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0019 LF Temporary 4' High Chain Link Fence And Posts, >18 Months.....	7.52	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.61	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months.....	8.36	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.69	
For Each LF Shade Cloth, Add	2.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	11.89	
<i>For >100 To 250, Deduct</i>	-0.39	
<i>For >250 To 500, Deduct</i>	-0.78	
<i>For >500, Deduct</i>	-1.16	
<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	27.63	
<i>For >100 To 250, Deduct</i>	-1.15	
<i>For >250 To 500, Deduct</i>	-2.31	
<i>For >500, Deduct</i>	-3.46	
<i>For Each LF Shade Cloth, Add</i>	4.75	
01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)		
<i>Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0018 for core drilling in asphalt or concrete.</i>		
01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)		
01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	259.44	
<i>For Each LF Shade Cloth, Add</i>	14.55	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	440.89	
<i>For Each LF Shade Cloth, Add</i>	36.37	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	493.67	
<i>For Each LF Shade Cloth, Add</i>	43.64	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	561.94	
<i>For Each LF Shade Cloth, Add</i>	54.55	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	673.08	
<i>For Each LF Shade Cloth, Add</i>	72.74	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	749.21	
<i>For Each LF Shade Cloth, Add</i>	87.29	
01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	277.77	
<i>For Each LF Shade Cloth, Add</i>	23.19	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	476.19	
<i>For Each LF Shade Cloth, Add</i>	57.96	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	534.38	
<i>For Each LF Shade Cloth, Add</i>	69.56	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	619.28	
<i>For Each LF Shade Cloth, Add</i>	86.95	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	748.57	
<i>For Each LF Shade Cloth, Add</i>	115.93	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	849.47	
<i>For Each LF Shade Cloth, Add</i>	139.11	
01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	310.19	
<i>For Each LF Shade Cloth, Add</i>	32.73	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	545.78	
<i>For Shade Cloth, Add</i>	81.83	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	610.38	
<i>For Shade Cloth, Add</i>	98.20	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	698.78	
<i>For Shade Cloth, Add</i>	122.75	
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	854.00	
<i>For Shade Cloth, Add</i>	163.66	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	991.22	
<i>For Shade Cloth, Add</i>	196.40	
01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0047 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	375.77	
<i>For Each LF Shade Cloth, Add</i>	43.19	
01 56 26 00-0048 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	654.46	
<i>For Each LF Shade Cloth, Add</i>	107.97	
01 56 26 00-0049 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	733.41	
<i>For Each LF Shade Cloth, Add</i>	129.57	
01 56 26 00-0050 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	838.37	
<i>For Each LF Shade Cloth, Add</i>	161.96	
01 56 26 00-0051 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,024.86	
<i>For Each LF Shade Cloth, Add</i>	215.94	
01 56 26 00-0052 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,184.09	
<i>For Each LF Shade Cloth, Add</i>	259.13	
01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)		
01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0055 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	269.18	
<i>For Each LF Shade Cloth, Add</i>	14.55	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0056 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	456.05	
For Each LF Shade Cloth, Add	36.37	
01 56 26 00-0057 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	510.98	
For Each LF Shade Cloth, Add	43.64	
01 56 26 00-0058 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	581.42	
For Each LF Shade Cloth, Add	54.55	
01 56 26 00-0059 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	696.89	
For Each LF Shade Cloth, Add	72.74	
01 56 26 00-0060 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	775.19	
For Each LF Shade Cloth, Add	87.29	
01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0062 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	287.95	
For Each LF Shade Cloth, Add	23.19	
01 56 26 00-0063 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	492.03	
For Each LF Shade Cloth, Add	57.96	
01 56 26 00-0064 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	552.49	
For Each LF Shade Cloth, Add	69.56	
01 56 26 00-0065 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	639.65	
For Each LF Shade Cloth, Add	86.95	
01 56 26 00-0066 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	773.46	
For Each LF Shade Cloth, Add	115.93	
01 56 26 00-0067 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	876.63	
For Each LF Shade Cloth, Add	139.11	
01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0069 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	321.40	
For Each LF Shade Cloth, Add	32.73	
01 56 26 00-0070 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	563.21	
For Shade Cloth, Add	81.83	
01 56 26 00-0071 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	630.30	
For Shade Cloth, Add	98.20	
01 56 26 00-0072 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	721.18	
For Shade Cloth, Add	122.75	
01 56 26 00-0073 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	881.38	
For Shade Cloth, Add	163.66	
01 56 26 00-0074 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,021.10	
For Shade Cloth, Add	196.40	
01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0076 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	389.77	
For Each LF Shade Cloth, Add	43.19	
01 56 26 00-0077 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	676.24	
For Each LF Shade Cloth, Add	107.97	
01 56 26 00-0078 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	758.30	
For Each LF Shade Cloth, Add	129.57	
01 56 26 00-0079 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	866.37	
For Each LF Shade Cloth, Add	161.96	
01 56 26 00-0080 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,059.09	
For Each LF Shade Cloth, Add	215.94	
01 56 26 00-0081 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,221.43	
For Each LF Shade Cloth, Add	259.13	
01 56 26 00-0082 Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0023)		
01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0084 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	279.41	
For Each LF Shade Cloth, Add	14.55	
01 56 26 00-0085 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	471.96	
For Each LF Shade Cloth, Add	36.37	
01 56 26 00-0086 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	529.17	
For Each LF Shade Cloth, Add	43.64	
01 56 26 00-0087 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	601.88	
For Each LF Shade Cloth, Add	54.55	
01 56 26 00-0088 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	721.89	
For Each LF Shade Cloth, Add	72.74	
01 56 26 00-0089 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	802.46	
For Each LF Shade Cloth, Add	87.29	
01 56 26 00-0090 6' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0091 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	298.65	
For Each LF Shade Cloth, Add	23.19	
01 56 26 00-0092 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	508.67	
For Each LF Shade Cloth, Add	57.96	
01 56 26 00-0093 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	571.50	
For Each LF Shade Cloth, Add	69.56	
01 56 26 00-0094 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	661.03	
For Each LF Shade Cloth, Add	86.95	



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

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0095 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	799.60	
For Each LF Shade Cloth, Add	115.93	
01 56 26 00-0096 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	905.14	
For Each LF Shade Cloth, Add	139.11	
01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0098 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	333.16	
For Each LF Shade Cloth, Add	32.73	
01 56 26 00-0099 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	581.51	
For Shade Cloth, Add	81.83	
01 56 26 00-0100 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	651.21	
For Shade Cloth, Add	98.20	
01 56 26 00-0101 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	744.71	
For Shade Cloth, Add	122.75	
01 56 26 00-0102 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	910.14	
For Shade Cloth, Add	163.66	
01 56 26 00-0103 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,052.46	
For Shade Cloth, Add	196.40	
01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0105 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	404.48	
For Each LF Shade Cloth, Add	43.19	
01 56 26 00-0106 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	699.11	
For Each LF Shade Cloth, Add	107.97	
01 56 26 00-0107 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	784.44	
For Each LF Shade Cloth, Add	129.57	
01 56 26 00-0108 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	895.78	
For Each LF Shade Cloth, Add	161.96	
01 56 26 00-0109 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,095.03	
For Each LF Shade Cloth, Add	215.94	
01 56 26 00-0110 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,260.64	
For Each LF Shade Cloth, Add	259.13	
01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	289.63	
For Each LF Shade Cloth, Add	14.55	
01 56 26 00-0114 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	487.87	
For Each LF Shade Cloth, Add	36.37	
01 56 26 00-0115 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	547.35	
For Each LF Shade Cloth, Add	43.64	
01 56 26 00-0116 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	622.34	
For Each LF Shade Cloth, Add	54.55	
01 56 26 00-0117 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	746.90	
For Each LF Shade Cloth, Add	72.74	
01 56 26 00-0118 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	829.74	
For Each LF Shade Cloth, Add	87.29	
01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0120 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	309.34	
For Each LF Shade Cloth, Add	23.19	
01 56 26 00-0121 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	525.30	
For Each LF Shade Cloth, Add	57.96	
01 56 26 00-0122 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	590.51	
For Each LF Shade Cloth, Add	69.56	
01 56 26 00-0123 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	682.42	
For Each LF Shade Cloth, Add	86.95	
01 56 26 00-0124 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	825.74	
For Each LF Shade Cloth, Add	115.93	
01 56 26 00-0125 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	933.66	
For Each LF Shade Cloth, Add	139.11	
01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0127 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	344.92	
For Each LF Shade Cloth, Add	32.73	
01 56 26 00-0128 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	599.81	
For Shade Cloth, Add	81.83	
01 56 26 00-0129 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	672.13	
For Shade Cloth, Add	98.20	
01 56 26 00-0130 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	768.23	
For Shade Cloth, Add	122.75	
01 56 26 00-0131 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	938.89	
For Shade Cloth, Add	163.66	
01 56 26 00-0132 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,083.83	
For Shade Cloth, Add	196.40	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 56 26 00-0133	10' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>	
01 56 26 00-0134	EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	419.18
	<i>For Each LF Shade Cloth, Add</i>	43.19
01 56 26 00-0135	EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	721.99
	<i>For Each LF Shade Cloth, Add</i>	107.97
01 56 26 00-0136	EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	810.58
	<i>For Each LF Shade Cloth, Add</i>	129.57
01 56 26 00-0137	EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	925.19
	<i>For Each LF Shade Cloth, Add</i>	161.96
01 56 26 00-0138	EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	1,130.97
	<i>For Each LF Shade Cloth, Add</i>	215.94
01 56 26 00-0139	EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	1,299.85
	<i>For Each LF Shade Cloth, Add</i>	259.13
01 56 26 00-0140	Temporary Chain Link Fence Panels (Portable) <small>(01 56 26 00-0001)</small>	
	Note: Includes delivery, set-up and removal. Excludes sandbags.	
01 56 26 00-0141	Temporary Chain Link Fence Panels (Portable), Up To 6 Months <small>(01 56 26 00-0140)</small>	
01 56 26 00-0142	LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	7.10
	<i>For >100 To 250, Deduct</i>	-0.18
	<i>For >250 To 500, Deduct</i>	-0.37
	<i>For >500, Deduct</i>	-0.55
	<i>For Each LF Shade Cloth, Add</i>	1.60
01 56 26 00-0143	LF Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	7.89
	<i>For >100 To 250, Deduct</i>	-0.21
	<i>For >250 To 500, Deduct</i>	-0.41
	<i>For >500, Deduct</i>	-0.62
	<i>For Each LF Shade Cloth, Add</i>	2.55
01 56 26 00-0144	LF Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	10.75
	<i>For >100 To 250, Deduct</i>	-0.33
	<i>For >250 To 500, Deduct</i>	-0.66
	<i>For >500, Deduct</i>	-0.99
	<i>For Each LF Shade Cloth, Add</i>	3.60
01 56 26 00-0145	Temporary Chain Link Fence Panels (Portable), >6 To 12 Months <small>(01 56 26 00-0140)</small>	
01 56 26 00-0146	LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	7.41
	<i>For >100 To 250, Deduct</i>	-0.20
	<i>For >250 To 500, Deduct</i>	-0.40
	<i>For >500, Deduct</i>	-0.60
	<i>For Each LF Shade Cloth, Add</i>	1.60
01 56 26 00-0147	LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.23
	<i>For >100 To 250, Deduct</i>	-0.22
	<i>For >250 To 500, Deduct</i>	-0.44
	<i>For >500, Deduct</i>	-0.67
	<i>For Each LF Shade Cloth, Add</i>	2.55
01 56 26 00-0148	LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	11.33
	<i>For >100 To 250, Deduct</i>	-0.36
	<i>For >250 To 500, Deduct</i>	-0.72
	<i>For >500, Deduct</i>	-1.08
	<i>For Each LF Shade Cloth, Add</i>	3.60
01 56 26 00-0149	Temporary Chain Link Fence Panels (Portable), >12 To 18 Months <small>(01 56 26 00-0140)</small>	
01 56 26 00-0150	LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	7.73
	<i>For >100 To 250, Deduct</i>	-0.21
	<i>For >250 To 500, Deduct</i>	-0.43
	<i>For >500, Deduct</i>	-0.64
	<i>For Each LF Shade Cloth, Add</i>	1.60
01 56 26 00-0151	LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.63
	<i>For >100 To 250, Deduct</i>	-0.24
	<i>For >250 To 500, Deduct</i>	-0.48
	<i>For >500, Deduct</i>	-0.73
	<i>For Each LF Shade Cloth, Add</i>	2.55
01 56 26 00-0152	LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	11.98
	<i>For >100 To 250, Deduct</i>	-0.39
	<i>For >250 To 500, Deduct</i>	-0.78
	<i>For >500, Deduct</i>	-1.18
	<i>For Each LF Shade Cloth, Add</i>	3.60
01 56 26 00-0153	Temporary Chain Link Fence Panels (Portable), >18 Months <small>(01 56 26 00-0140)</small>	
01 56 26 00-0154	LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	8.12
	<i>For >100 To 250, Deduct</i>	-0.23
	<i>For >250 To 500, Deduct</i>	-0.47
	<i>For >500, Deduct</i>	-0.70
	<i>For Each LF Shade Cloth, Add</i>	1.60
01 56 26 00-0155	LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	9.02
	<i>For >100 To 250, Deduct</i>	-0.26
	<i>For >250 To 500, Deduct</i>	-0.52
	<i>For >500, Deduct</i>	-0.78
	<i>For Each LF Shade Cloth, Add</i>	2.55



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

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0156	LF		Temporary 8' High Chain Link Fence Panels (Portable), >18 Months <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	12.66 -0.43 -0.85 -1.28 3.60	
01 56 26 00-0157			Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)		
01 56 26 00-0158	BAG		Temporary Chain Link Fence Panels (Portable) Sandbag..... Note: Includes placement and removal.	6.59	
01 56 26 00-0159			Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001) Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160			Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)		
01 56 26 00-0161	LF		Relocate Temporary 4' High Chain Link Fence And Posts	3.69	
01 56 26 00-0162	LF		Relocate Temporary 6' High Chain Link Fence And Posts	5.54	
01 56 26 00-0163	LF		Relocate Temporary 8' High Chain Link Fence And Posts	8.00	
01 56 26 00-0164	LF		Relocate Temporary 10' High Chain Link Fence And Posts	9.85	
01 56 26 00-0165			Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)		
01 56 26 00-0166	LF		Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.86	
01 56 26 00-0167	LF		Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	1.03	
01 56 26 00-0168	LF		Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	1.16	
01 56 26 00-0169			Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)		
01 56 26 00-0170	EA		Relocate Temporary 4' High Chain Link Vehicle Gate And Posts.....	111.95	
01 56 26 00-0171	EA		Relocate Temporary 6' High Chain Link Vehicle Gate And Posts.....	129.18	
01 56 26 00-0172	EA		Relocate Temporary 8' High Chain Link Vehicle Gate And Posts.....	159.32	
01 56 26 00-0173	EA		Relocate Temporary 10' High Chain Link Vehicle Gate And Posts.....	172.25	
01 56 26 00-0174			Temporary Safety Fence (01 56 26) Note: Includes removal after use.		
01 56 26 00-0175	LF		48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	3.34	
01 56 29			Temporary Protective Walkways (01 56)		
01 56 29 00-0001			Temporary Sidewalk Bridge Protection (01 56 29)		
01 56 29 00-0002			Installation of Sidewalk Bridge (01 56 29 00-0001)		
01 56 29 00-0003	LF		Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	175.87	
			Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
			<i>For 3 Post System, Add</i>	6.00	
			<i>For Each Additional Foot Over 8' Wide, Add</i>	3.00	
			<i>For Each Additional Foot Over 8' High, Add</i>	2.00	
01 56 29 00-0004	LF		Installation of Netting for Sidewalk Bridge.....	4.48	
01 56 29 00-0005			Monthly Rental of Sidewalk Bridge (01 56 29 00-0001)		
01 56 29 00-0006	LF		Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	14.47	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	2.17	
01 56 29 00-0007	LF		Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	16.30	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	2.45	
01 56 29 00-0008	LF		Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	18.11	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	2.72	
01 56 29 00-0009	LF		Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	18.11	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	2.72	
01 56 29 00-0010	LF		Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	19.90	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	2.99	
01 56 29 00-0011	LF		Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	23.55	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	3.53	
01 56 29 00-0012	LF		Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	21.74	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	3.26	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0013 LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	25.36	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	3.80	
01 56 29 00-0014 LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	27.14	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	4.07	
01 56 29 00-0015 LF Monthly Rental of Netting for Sidewalk Bridge.....	2.71	
01 56 29 00-0016 Removal of Sidewalk Bridge (01 56 29 00-0001)		
01 56 29 00-0017 LF Removal Of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	36.60	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' high, up to 8' wide, up to 8' high, 2 post system.		
For 3 Post System, Add	2.50	
For Each Additional Foot Over 8' Wide, Add	1.25	
For Each Additional Foot Over 8' High, Add	0.75	
01 56 29 00-0018 LF Removal Of Netting For Sidewalk Bridge.....	2.24	
01 56 29 00-0019 Temporary Safety Nets (01 56 29)		
Note: Includes removal after use.		
01 56 29 00-0020 SF Small Mesh Debris Netting.....	2.15	
Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		
01 56 33 Temporary Security Barriers (01 56)		
01 56 33 00-0001 Board-up Opening With Plywood (01 56 33)		
Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002 OPN Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	12.92	
01 56 33 00-0003 SF 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening.....	8.38	
01 56 33 00-0004 SF 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening.....	9.70	
01 56 33 00-0005 Temporary Pedestrian Barricade (01 56 33)		
Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006 DAY 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	13.52	
01 56 33 00-0007 WK 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	32.83	
01 56 33 00-0008 MO 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	98.50	
01 56 39 Temporary Tree and Plant Protection (01 56)		
01 56 39 00-0001 Temporary Tree Guards (01 56 39)		
Note: Includes digging holes and removal after use.		
01 56 39 00-0002 EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	189.98	
01 56 39 00-0003 EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	225.89	
01 56 39 00-0004 EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	245.64	
01 58 Project Identification (01 50)		
Note: Includes removal after use.		
01 58 13 Temporary Project Signage (01 58)		
01 58 13 00-0001 Project Sign (01 58 13)		
01 58 13 00-0002 MDO Plywood Signs (01 58 13 00-0001)		
Note: Excludes posts.		
01 58 13 00-0003 Reflectorized, MDO Plywood Signs (01 58 13 00-0002)		
01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs (01 58 13 00-0003)		
01 58 13 00-0005 EA Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	167.08	23.69
For High-Intensity Grade, Add	41.90	
For Diamond Grade, Add	80.80	
01 58 13 00-0006 EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	288.95	24.76
For High-Intensity Grade, Add	83.80	
For Diamond Grade, Add	161.61	
01 58 13 00-0007 EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	410.81	25.84
For High-Intensity Grade, Add	125.70	
For Diamond Grade, Add	242.41	
01 58 13 00-0008 EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	532.68	26.92
For High-Intensity Grade, Add	167.59	
For Diamond Grade, Add	323.22	
01 58 13 00-0009 SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	16.69	0.86
For High-Intensity Grade, Add	5.24	
For Diamond Grade, Add	10.10	



		General Requirements	01
		Temporary Facilities and Controls	01 50
		Project Identification	01 58

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0002)</small>		
01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0012 EA Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign.....	209.78	23.69
01 58 13 00-0013 EA >8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign.....	250.71	24.76
01 58 13 00-0014 EA >16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign.....	314.68	25.84
01 58 13 00-0015 EA >24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign.....	375.09	26.92
01 58 13 00-0016 SF >32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign.....	11.77	0.86
01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0018 EA Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign.....	214.36	23.69
01 58 13 00-0019 EA >8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	275.36	24.76
01 58 13 00-0020 EA >16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	339.73	25.84
01 58 13 00-0021 EA >24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	396.56	26.92
01 58 13 00-0022 SF >32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	12.44	0.86
01 58 13 00-0023 Fabricate And Install New Posts <small>(01 58 13 00-0001)</small>		
Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024 LF Galvanized Metal Channel Sign Posts.....	16.30	
01 58 13 00-0025 LF 4" x 4" Pressure Treated Wood Sign Posts	13.37	
01 58 13 00-0026 LF 4" x 6" Pressure Treated Wood Sign Posts	16.17	
01 58 13 00-0027 Owner Supplied Signs <small>(01 58 13 00-0001)</small>		
01 58 13 00-0028 EA Installation And Removal Of Owner Supplied Project Sign.....	86.13	

01 60 Product Requirements (01)

01 66 Product Storage and Handling Requirements (01 60)

01 66 19 Product Handling Requirements (01 66)

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

01 66 19 00-0001 Transfer Delivered Materials Between Floors <small>(01 66 19)</small>		
Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0002 CY Transfer Delivered Material Between Floors Via Stairs, Per Floor.....	16.56	
Note: Quantity equals volume of materials multiplied by number of floors traveled.		
01 66 19 00-0003 CY Transfer Delivered Material Between Floors Via Elevator, Per Trip.....	10.77	
Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.		
01 66 19 00-0004 Transfer Delivered Materials Distances Greater Than 125' <small>(01 66 19)</small>		
Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0005 CY Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	6.72	
01 66 19 00-0006 Transfer Demolition Debris Between Floors <small>(01 66 19)</small>		
Note: Only for use with demolition tasks.		
01 66 19 00-0007 CY Transfer Demolition Debris Between Floors Via Stairs, Per Floor.....	16.56	
Note: Quantity equals material volume times bulk factor times number of floors traveled.		
01 66 19 00-0008 CY Transfer Demolition Debris Between Floors Via Elevator, Per Trip.....	10.77	
Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.		
01 66 19 00-0009 Transfer Demolition Debris Distances Greater Than 125' <small>(01 66 19)</small>		
Note: Only for use with demolition tasks.		
01 66 19 00-0010 CY Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'.....	6.72	
01 66 19 00-0011 Moving Furniture And Furnishings <small>(01 66 19)</small>		
Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.		
01 66 19 00-0012 SF Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings.....	1.07	
Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.		

01 70 Execution and Closeout Requirements (01)

01 71 Examination and Preparation (01 70)

01 71 13 Mobilization (01 71)

01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization (01 71 13)

Note: Excludes flagman for traffic control where necessary.

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0002	EA		Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck..... Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	466.77	
01 71 13 00-0003	EA		Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed..... Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,534.67	
01 71 13 00-0004			Crane Delivery, Pickup, Mobilization And Demobilization <small>(01 71 13)</small> Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005	EA		Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	497.88	
			<i>For >30 To 60 Miles Radius, Add</i>	124.47	
			<i>For >60 To 100 Miles Radius, Add</i>	199.15	
01 71 13 00-0006	EA		>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	809.06	
			<i>For >30 To 60 Miles Radius, Add</i>	202.27	
			<i>For >60 To 100 Miles Radius, Add</i>	323.62	
01 71 13 00-0007	EA		>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	1,120.24	
			<i>For >30 To 60 Miles Radius, Add</i>	280.06	
			<i>For >60 To 100 Miles Radius, Add</i>	448.10	
01 71 13 00-0008	EA		>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	1,804.84	
			<i>For >30 To 60 Miles Radius, Add</i>	451.21	
			<i>For >60 To 100 Miles Radius, Add</i>	721.94	
01 71 13 00-0009	EA		>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	2,265.38	
			<i>For >30 To 60 Miles Radius, Add</i>	566.35	
			<i>For >60 To 100 Miles Radius, Add</i>	906.15	
01 71 13 00-0010	EA		>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	2,819.28	
			<i>For >30 To 60 Miles Radius, Add</i>	704.82	
			<i>For >60 To 100 Miles Radius, Add</i>	1,127.71	
01 71 13 00-0011	EA		>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	3,248.70	
			<i>For >30 To 60 Miles Radius, Add</i>	812.18	
			<i>For >60 To 100 Miles Radius, Add</i>	1,299.48	
01 71 13 00-0012	EA		>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	3,634.57	
			<i>For >30 To 60 Miles Radius, Add</i>	908.64	
			<i>For >60 To 100 Miles Radius, Add</i>	1,453.83	
01 71 13 00-0013	EA		75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	1,929.30	
			<i>For >30 To 60 Miles Radius, Add</i>	482.33	
			<i>For >60 To 100 Miles Radius, Add</i>	771.72	
01 71 13 00-0014	EA		100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,049.56	
			<i>For >30 To 60 Miles Radius, Add</i>	762.39	
			<i>For >60 To 100 Miles Radius, Add</i>	1,219.82	
01 71 13 00-0015	EA		125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,858.62	
			<i>For >30 To 60 Miles Radius, Add</i>	964.66	
			<i>For >60 To 100 Miles Radius, Add</i>	1,543.45	
01 71 13 00-0016	EA		150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	4,792.15	
			<i>For >30 To 60 Miles Radius, Add</i>	1,198.04	
			<i>For >60 To 100 Miles Radius, Add</i>	1,916.86	
01 71 13 00-0017	EA		200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	5,974.63	
			<i>For >30 To 60 Miles Radius, Add</i>	1,493.66	
			<i>For >60 To 100 Miles Radius, Add</i>	2,389.85	
01 71 13 00-0018	EA		250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	6,970.41	
			<i>For >30 To 60 Miles Radius, Add</i>	1,742.60	
			<i>For >60 To 100 Miles Radius, Add</i>	2,788.16	
01 71 13 00-0019	EA		300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	9,957.72	
			<i>For >30 To 60 Miles Radius, Add</i>	2,489.43	
			<i>For >60 To 100 Miles Radius, Add</i>	3,983.09	
01 71 13 00-0020	EA		500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	13,654.53	
			<i>For >30 To 60 Miles Radius, Add</i>	3,413.63	
			<i>For >60 To 100 Miles Radius, Add</i>	5,461.81	

01 71 23 Field Engineering (01 71)

01 71 23 16 Construction Surveying (01 71 23)



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0001	Conventional Topographic Survey (01 71 23 16)	
Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0002	ACR Conventional Topographic Survey Of Clear Area With Few To No Obstacles.....	1,198.10
01 71 23 16-0003	ACR Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	3,318.34
01 71 23 16-0004	ACR Conventional Topographic Survey Of Clear Area With Few Structures, And/Or Wooded (5-25% Buildings).....	4,768.49
01 71 23 16-0005	ACR Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings).....	7,145.12
01 71 23 16-0006	ACR Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....	8,935.85
01 71 23 16-0007	Property Lines Survey (01 71 23 16)	
Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0008	LF Survey Property Lines On Cleared Land	2.62
01 71 23 16-0009	LF Survey Property Lines On Slightly Wooded Land	3.04
01 71 23 16-0010	LF Survey Property Lines On Wooded Land.....	3.55
01 71 23 16-0011	Survey Monument (01 71 23 16)	
01 71 23 16-0012	EA 3' Precast Survey Monument.....	191.27
	<i>For Owner Furnished Monument, Deduct</i>	<i>-74.00</i>
01 71 23 16-0013	EA Precast Survey Monument Box With Cast Iron Frame And Cover.....	287.12
01 71 23 16-0014	EA Riser Ring For Survey Monument.....	148.73
01 71 23 16-0015	EA Adjust Survey Monument Cover To Grade	222.00
01 71 23 16-0016	Facade Surveying (01 71 23 16)	
01 71 23 16-0017	LF Facade Survey And Reports (LF Of Facade x Number Of Floors).....	7.19
01 71 23 16-0018	Utility Survey (01 71 23 16)	
Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019	ACR Survey Clear Area For Underground Utilities.....	6,066.66
01 71 23 16-0020	GPR Bridge Deck And Pavement Inspection (01 71 23 16)	
01 71 23 16-0021	GPR Bridge Deck And Pavement Inspection Mobilization Fee (01 71 23 16-0020)	
Note: One mobilization per project.		
01 71 23 16-0022	EA GPR Bridge Deck And Pavement Inspection Mobilization Fee.....	3,753.20
01 71 23 16-0023	Bridge Deck Delamination Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)	
Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0024	EA Survey Fee, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	2,814.90
01 71 23 16-0025	SF Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	1.18
01 71 23 16-0026	SF >5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.94
01 71 23 16-0027	SF >10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.75
01 71 23 16-0028	SF >25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.56
01 71 23 16-0029	SF >50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.45
01 71 23 16-0030	SF >100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.36
01 71 23 16-0031	SF >250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.26
01 71 23 16-0032	Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)	
Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0033	EA Survey Fee, Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	938.30
01 71 23 16-0034	SF Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	0.06
01 71 23 16-0035	Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection (01 71 23 16-0020)	
Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0036	EA Survey Fee, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection.....	938.30
01 71 23 16-0037	SF Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection.....	0.43
01 71 23 16-0038	SF >5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.34
01 71 23 16-0039	SF >10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.26
01 71 23 16-0040	SF >25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.21
01 71 23 16-0041	SF >50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.17
01 71 23 16-0042	SF >100,000 To 250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.13
01 71 23 16-0043	SF >250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.09
01 71 23 16-0044	Pavement Structure And Thickness Measurement, GPR Pavement Inspection (01 71 23 16-0020)	
Note: Each project will use one task for the length of the pavement surveyed.		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0045 LM Up To 4 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection.....	6,977.20	
01 71 23 16-0046 LM >4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection.....	3,041.97	
01 71 23 16-0047 LM >9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection.....	2,265.06	
01 71 23 16-0048 LM >49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection.....	1,236.68	
01 71 23 16-0049 LM >99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection.....	.972.08	
01 71 23 16-0050 Pavement Thickness Contour (Mapping), GPR Pavement Inspection <small>(01 71 23 16-0020)</small>		
<i>Note: Each project will use one task for the length of the pavement surveyed.</i>		
01 71 23 16-0051 LM Up To 4 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection.....	8,878.19	
01 71 23 16-0052 LM >4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection.....	4,175.44	
01 71 23 16-0053 LM >9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection.....	3,171.45	
01 71 23 16-0054 LM >49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection.....	1,777.14	
01 71 23 16-0055 LM >99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection.....	1,405.57	
01 71 23 16-0056 Pavement Void Detection (Mapping), GPR Pavement Inspection <small>(01 71 23 16-0020)</small>		
<i>Note: Each project will use one task for the length of the pavement surveyed.</i>		
01 71 23 16-0057 LM Up To 4 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection.....	10,542.74	
01 71 23 16-0058 LM >4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection.....	5,166.28	
01 71 23 16-0059 LM >9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection.....	3,963.38	
01 71 23 16-0060 LM >49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection.....	2,250.04	
01 71 23 16-0061 LM >99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection.....	1,782.77	
01 71 23 16-0062 Drone Survey (Extreme Aerial Productions) <small>(01 71 23 16)</small>		
<i>Note: Thermographic services to electrical line grid inspections.</i>		
01 71 23 16-0063 Mobilization For Drone Surveying <small>(01 71 23 16-0062)</small>		
01 71 23 16-0064 EA Mobilization For Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	252.26	
01 71 23 16-0065 EA Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	630.64	
01 71 23 16-0066 EA Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter.....	168.17	
01 71 23 16-0067 EA Mobilization For Drone Road Survey For Topography/Progression/Inspection.....	336.34	
01 71 23 16-0068 EA Mobilization For Drone Survey Stockpile.....	168.17	
01 71 23 16-0069 EA Mobilization For Drone Inspection.....	168.17	
01 71 23 16-0070 EA Mobilization For Qualitative Drone Thermal Inspection.....	336.34	
01 71 23 16-0071 EA Mobilization For Quantitative Drone Thermal Inspection.....	420.42	
01 71 23 16-0072 EA Mobilization For Drone Agricultural Multispectral Survey.....	672.68	
01 71 23 16-0073 EA Mobilization For Drone Building Inspection/Scan/Thermal.....	504.51	
01 71 23 16-0074 EA Mobilization For Drone 3D Modelling.....	420.42	
01 71 23 16-0075 EA Mobilization For Drone Spraying Crops Or Sanitation.....	756.76	
01 71 23 16-0076 EA Mobilization For Drone Video Progression/Marketing.....	168.17	
01 71 23 16-0077 EA Mobilization For Drone Pictures Progression/Marketing.....	168.17	
01 71 23 16-0078 EA Mobilization For Drone Training, Flying, Test Prep, Equipment Checks.....	168.17	
01 71 23 16-0079 EA Mobilization For Drone Accident Reconstruction.....	168.17	
01 71 23 16-0080 EA Mobilization For Drone Landfill Survey.....	252.26	
01 71 23 16-0081 EA Mobilization For Drone Event Security Using Tethered Drones.....	336.34	
01 71 23 16-0082 EA Mobilization For Drone Emergency Response.....	840.85	
01 71 23 16-0083 EA Mobilization For Drone Cell Tower Inspection.....	252.26	
01 71 23 16-0084 Drone Surveying <small>(01 71 23 16-0062)</small>		
01 71 23 16-0085 HR Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	613.82	
<i>Note: 3 hour minimum</i>		
<i>For Visual Observation, Add</i>	168.17	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0086 HR > 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	781.99	
<i>For Visual Observation, Add</i>	252.26	
<i>For Additional Manpower, Add</i>	201.80	
01 71 23 16-0087 HR Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter.....	504.51	
<i>Note: 3 hour minimum</i>		
<i>For Visual Observation, Add</i>	168.17	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0088 HR Drone Road Survey For Topography/Progression/Inspection.....	588.60	
<i>Note: 3 hour minimum</i>		
<i>For Visual Observation, Add</i>	252.26	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0089 HR Drone Survey Stockpile.....	420.42	
<i>Note: 3 hour minimum</i>		
<i>For Visual Observation, Add</i>	168.17	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0090 HR Drone Inspection.....	588.60	
<i>Note: 3 hour minimum</i>		
<i>For Visual Observation, Add</i>	168.17	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0091 HR Qualitative Drone Thermal Inspection.....	672.68	
<i>Note: 5 hour minimum</i>		
<i>For Visual Observation, Add</i>	252.26	
<i>For Additional Manpower, Add</i>	168.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0092 HR Quantitative Drone Thermal Inspection.....	1,009.02	
Note: 5 hour minimum		
<i>For Visual Observation, Add</i>	252.26	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0093 HR Drone Agricultural Multispectral Survey.....	756.68	
Note: 6 hour minimum		
<i>For Visual Observation, Add</i>	168.17	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0094 HR Drone Building Inspection/Scan/Thermal.....	672.68	
Note: 3 hour minimum		
<i>For Visual Observation, Add</i>	252.26	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0095 HR Drone 3D Modelling.....	504.51	
Note: 3 hour minimum		
<i>For Visual Observation, Add</i>	252.26	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0096 HR Drone Spraying Crops Or Sanitation.....	672.68	
Note: 3 hour minimum		
<i>For Visual Observation, Add</i>	210.21	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0097 HR Drone Video Progression/Marketing.....	336.34	
Note: 2 hour minimum		
<i>For Visual Observation, Add</i>	168.17	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0098 HR Drone Pictures Progression/Marketing.....	252.26	
Note: 2 hour minimum		
<i>For Visual Observation, Add</i>	168.17	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0099 HR Drone Training, Flying, Test Prep, Equipment Checks.....	504.51	
Note: 3 hour minimum		
01 71 23 16-0100 HR Drone Accident Reconstruction.....	756.68	
Note: 2 hour minimum		
<i>For Visual Observation, Add</i>	168.17	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0101 HR Drone Landfill Survey.....	613.82	
Note: 3 hour minimum		
<i>For Visual Observation, Add</i>	168.17	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0102 HR Drone Event Security Using Tethered Drones.....	420.42	
Note: 3 hour minimum		
<i>For Visual Observation, Add</i>	168.17	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0103 HR Drone Emergency Response.....	420.42	
Note: 3 hour minimum		
<i>For Visual Observation, Add</i>	252.26	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0104 HR Drone Cell Tower Inspection.....	420.42	
Note: 3 hour minimum		
<i>For Visual Observation, Add</i>	210.21	
<i>For Additional Manpower, Add</i>	168.17	
01 71 23 16-0105 Utilization And Deliverables For Drone Surveying (01 71 23 16-0062)		
01 71 23 16-0106 Day Utilization Of GPS Ground Control For Drone Surveying.....	420.42	
01 71 23 16-0107 Day Utilization Of GPS Base Station Per Day For Drone Surveying.....	420.42	
01 71 23 16-0108 HR Processing And Data Deliverables And Reporting For Drone Surveying.....	168.17	
Note: 2 hour minimum		
01 71 23 16-0109 HR Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying.....	336.34	
Note: 3 hour minimum		
01 71 23 16-0110 Travel, Waivers, And Editing For Drone Surveying (01 71 23 16-0062)		
01 71 23 16-0111 MI Travel Over 100 Miles For Drone Surveying.....	0.97	
Note: For additional miles over 100		
01 71 23 16-0112 EA Overnight Stay Per Person For Drone Surveying.....	210.21	
01 71 23 16-0113 EA Waiver Utilization B, C, D, And E For Drone Surveying.....	84.08	
Note: Restricted airspace		
01 71 23 16-0114 EA Night Waiver For Drone Surveying.....	109.31	
01 71 23 16-0115 EA Flying Over People Waiver For Drone Surveying.....	168.17	
01 71 23 16-0116 EA Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying.....	840.85	
01 71 23 16-0117 HR Editing Video For Drone Surveying.....	168.17	
Note: 2 hour minimum		
01 71 23 16-0118 HR Editing Pictures For Drone Surveying.....	84.08	
Note: 2 hour minimum		
01 71 23 16-0119 HR Custom Post Processing For Drone Surveying.....	252.26	
Note: 3 hour minimum		
01 71 36 Non-Destructive Concrete Examination (01 71)		
01 71 36 00-0001 Electromagnetic Survey (01 71 36)		
Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).		

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



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

01 71 36 00-0002	Electromagnetic (SIR/GPR) Survey <small>(01 71 36 00-0001)</small>	
01 71 36 00-0003	EA Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,085.40
01 71 36 00-0004	EA >1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,628.10
01 71 36 00-0005	EA >4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	3,256.20

01 71 36 00-0006	Reports And Mapping For Electromagnetic (SIR/GPR) Surveys <small>(01 71 36 00-0001)</small>	
01 71 36 00-0007	EA Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	361.80
01 71 36 00-0008	EA GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes GPS coordinates of located items and reference items.	723.60
01 71 36 00-0009	EA CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes additions to the owner provided CAD drawing.	1,628.10

01 74 Cleaning and Waste Management (01 70)

01 74 13 Progress Cleaning (01 74)
 Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

01 74 13 00-0001	General <small>(01 74 13)</small>	
01 74 13 00-0002	CSF Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent	21.56
01 74 13 00-0003	CY Collect Existing Debris And Load Into Truck Or Dumpster..... Note: Per CY of debris removed.	25.25

01 74 16 Site Maintenance (01 74)

01 74 16 00-0001 **Parking Lot, Roads And Pathway Maintenance** (01 74 16)
 Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks in the Construction Task Catalog®.

01 74 16 00-0002	Parking Lot, Road, And Street Sweeping <small>(01 74 16 00-0001)</small>	
01 74 16 00-0003	MSF Sweep Parking Lot, With Street Sweeper	21.09
01 74 16 00-0004	MSF Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	25.31

01 74 16 00-0005	Runway Sweeping <small>(01 74 16 00-0001)</small>	
01 74 16 00-0006	MSF Sweep Runway, With Street Sweep	31.63

01 74 19 Construction Waste Management and Disposal (01 74)

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

01 74 19 00-0001	Debris Chutes <small>(01 74 19)</small>	
Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002	Steel Temporary Debris Chutes <small>(01 74 19 00-0001)</small>	
01 74 19 00-0003	LF 18" Diameter, Steel Temporary Debris Chute.....	40.41
01 74 19 00-0004	LF 30" Diameter, Steel Temporary Debris Chute.....	61.34

01 74 19 00-0005	Plastic Temporary Debris Chutes <small>(01 74 19 00-0001)</small>	
01 74 19 00-0006	LF 24" Diameter, Plastic Temporary Debris Chute	15.99
	<i>For Steel Liner, Add</i>	3.15
01 74 19 00-0007	LF 30" Diameter, Plastic Temporary Debris Chute	18.34
	<i>For Steel Liner, Add</i>	3.62
01 74 19 00-0008	LF 36" Diameter, Plastic Temporary Debris Chute	20.67
	<i>For Steel Liner, Add</i>	4.08

01 74 19 00-0009	Wood Temporary Debris Chutes <small>(01 74 19 00-0001)</small>	
01 74 19 00-0010	LF 4' x 4', Wood Temporary Debris Chute	31.66
	Note: Includes fabrication and installation.	

01 74 19 00-0011	Construction Dumpsters Rental <small>(01 74 19)</small>	
Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012	EA 10 CY Dumpster (1.5 Ton) "Construction Debris"	587.50
	Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	95.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0013 EA 15 CY Dumpster (2 Ton) "Construction Debris".....	634.98	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add		
01 74 19 00-0014 EA 20 CY Dumpster (3 Ton) "Construction Debris".....	95.00	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add		
01 74 19 00-0015 EA 30 CY Dumpster (4 Ton) "Construction Debris".....	95.00	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add		
01 74 19 00-0016 EA 40 CY Dumpster (6 Ton) "Construction Debris".....	95.00	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add		
01 74 19 00-0017 EA 10 CY Low-Boy Dumpster "Concrete Or Asphalt Only".....	714.85	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.		
01 74 19 00-0018 EA 15 CY Low-Boy Dumpster Clean Recyclable.....	780.05	
Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.		
01 74 19 00-0019 EA 15 CY Low-Boy Dumpster Mixed Recyclable.....	838.26	
Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.		
01 74 19 00-0020 Concrete Washout Service (01 74 19)		
01 74 19 00-0021 MO Rampless Concrete Washout Bin.....	589.50	
Note: Includes delivery.		
01 74 19 00-0022 MO Ramped Concrete Washout Bin.....	707.40	
Note: Includes delivery.		
01 74 19 00-0023 EA Interim Vacuum Service, Concrete Washout Bin.....	598.02	
Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-0024 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin.....	1,295.71	
Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
01 74 19 00-0025 Debris Processing Fee (01 74 19)		
01 74 19 00-0026 Material Recycling Fees (01 74 19 00-0025)		
Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.		
01 74 19 00-0027 CY Drop-Off Asphalt At Recycling Center.....	45.04	
01 74 19 00-0028 CY Drop-Off Non Reinforced Concrete At Recycling Center.....	60.34	
01 74 19 00-0029 CY Drop-Off Reinforced Concrete At Recycling Center.....	90.52	
01 74 19 00-0030 CY Drop-Off Brick Or Block At Recycling Center.....	78.45	
01 74 19 00-0031 CY Drop-Off Dirt At Recycling Center.....	87.50	
01 74 19 00-0032 CY Drop-Off Dimensional Lumber At Recycling Center.....	84.48	
01 74 19 00-0033 Landfill Dump Fees (01 74 19 00-0025)		
Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0039 for hauling.		
01 74 19 00-0034 CY Traditional Building Construction Materials Landfill Dump Fee.....	40.16	
01 74 19 00-0035 TON Traditional Building Construction Materials, Landfill Dump Fee.....	175.00	
01 74 19 00-0036 CY Trees, Stumps And Brush, Landfill Dump Fee.....	48.34	
01 74 19 00-0037 CY Hazardous Materials And Rubbish Landfill Dump Fee.....	115.26	
Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.		
01 74 19 00-0038 CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee.....	81.90	
01 74 19 00-0039 Hauling (01 74 19)		
Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0040 CYM Hauling On Paved Roads, First 15 Miles.....	0.97	
01 74 19 00-0041 CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.65	
01 74 19 00-0042 CYM Hauling On Unimproved Roads, First 15 Miles.....	1.49	
01 74 19 00-0043 CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	1.16	
01 74 23 Final Cleaning (01 74)		
01 74 23 00-0001 Cleaning Of Glass (01 74 23)		
01 74 23 00-0002 CSF Cleaning Of Existing Glass Surfaces.....	29.44	

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



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

END OF SECTION 01



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

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

02 Existing Conditions

02 20 Assessment ⁽⁰²⁾

02 25 Existing Material Assessment ^(02 20)

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

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

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

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

02 40 Demolition and Structure Moving ⁽⁰²⁾

02 41 Demolition ^(02 40)

02 41 19 Selective Demolition ^(02 41)

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

02 41 19 13-001 Saw Cutting ^(02 41 19 13)

Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.

02 41 19 13-002	LF	Brick Masonry Up To 4" Depth, Saw Cut	8.19
		<i>For Each Additional Pass (Depth To 3"), Add</i>	3.25
		<i>For >250, Deduct</i>	-0.81
02 41 19 13-003	LF	Concrete Block Up To 4" Depth, Saw Cut	7.40
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.93
		<i>For >250, Deduct</i>	-0.73
02 41 19 13-004	LF	Saw Cut Concrete Slab Up To 4" Depth	2.46
		<i>For Each Additional Pass (Depth To 3"), Add</i>	0.95
		<i>For >250, Deduct</i>	-0.24
02 41 19 13-005	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	3.25
		<i>For Each Additional Pass (Depth To 3"), Add</i>	1.26
		<i>For >250, Deduct</i>	-0.31
02 41 19 13-006	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	5.42
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.13
		<i>For >250, Deduct</i>	-0.53
02 41 19 13-007	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut	10.49
		<i>For Each Additional Pass (Depth To 3"), Add</i>	4.16
		<i>For >250, Deduct</i>	-1.04
02 41 19 13-008	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	14.09
		<i>For Each Additional Pass (Depth To 3"), Add</i>	5.60
		<i>For >250, Deduct</i>	-1.40
02 41 19 13-009	EA	Saw Cut Minimum Charge	1,039.51
		Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively.	
		This task should not be used in conjunction with any other tasks in this section.	

02 41 19 13-010 Torch Cutting ^(02 41 19 13)

Note: Includes grinding edge

02 41 19 13-011	LF	Up To 1/2", Torch Cut Steel Plate	3.01
02 41 19 13-012	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	6.03
02 41 19 13-013	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	9.04
02 41 19 13-014	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	12.06
02 41 19 13-015	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	15.07
02 41 19 13-016	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	18.09
02 41 19 13-017	EA	Torch Cutting Minimum Charge	985.74
		Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively.	
		This task should not be used in conjunction with any other tasks in this section.	

02 41 19 13-018 Drilling In Existing Materials ^(02 41 19 13)

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

02 41 19 13-019 Concrete Core Drilling ^(02 41 19 13-0018)

02 41 19 13-020 Up To 4" Thick Concrete Core Drilling ^(02 41 19 13-0019)

02 41 19 13-0021	EA	Drill 1" Diameter Core In Up To 4" Concrete	40.24
		<i>For Horizontal Cores, Add</i>	7.96
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.92
02 41 19 13-0022	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	44.65
		<i>For Horizontal Cores, Add</i>	8.84
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.69
02 41 19 13-0023	EA	Drill 2" Diameter Core In Up To 4" Concrete	49.57
		<i>For Horizontal Cores, Add</i>	9.83
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.66
02 41 19 13-0024	EA	Drill 3" Diameter Core In Up To 4" Concrete	70.78
		<i>For Horizontal Cores, Add</i>	14.04
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.08

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0025 EA Drill 4" Diameter Core In Up To 4" Concrete.....	94.86	
For Horizontal Cores, Add	18.82	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	37.63	
02 41 19 13-0026 EA Drill 6" Diameter Core In Up To 4" Concrete.....	106.29	
For Horizontal Cores, Add	21.06	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	42.12	
02 41 19 13-0027 EA Drill 8" Diameter Core In Up To 4" Concrete.....	169.85	
For Horizontal Cores, Add	33.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	67.40	
02 41 19 13-0028 EA Drill 10" Diameter Core In Up To 4" Concrete.....	212.46	
For Horizontal Cores, Add	42.12	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	84.25	
02 41 19 13-0029 EA Drill 12" Diameter Core In Up To 4" Concrete.....	247.94	
For Horizontal Cores, Add	49.15	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	98.30	
02 41 19 13-0030 EA Drill 14" Diameter Core In Up To 4" Concrete.....	283.42	
For Horizontal Cores, Add	56.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	112.32	
02 41 19 13-0031 EA Drill 18" Diameter Core In Up To 4" Concrete.....	319.26	
For Horizontal Cores, Add	63.18	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	126.36	
02 41 19 13-0032 >4" To 6" Thick Concrete Core Drilling (02 41 19 13-0019)		
02 41 19 13-0033 EA Drill 1" Diameter Core In >4" To 6" Concrete.....	57.52	
For Horizontal Cores, Add	11.37	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.74	
02 41 19 13-0034 EA Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	63.83	
For Horizontal Cores, Add	12.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.27	
02 41 19 13-0035 EA Drill 2" Diameter Core In >4" To 6" Concrete.....	70.85	
For Horizontal Cores, Add	14.04	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.08	
02 41 19 13-0036 EA Drill 3" Diameter Core In >4" To 6" Concrete.....	85.15	
For Horizontal Cores, Add	16.85	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.70	
02 41 19 13-0037 EA Drill 4" Diameter Core In >4" To 6" Concrete.....	106.51	
For Horizontal Cores, Add	21.06	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	42.12	
02 41 19 13-0038 EA Drill 6" Diameter Core In >4" To 6" Concrete.....	141.90	
For Horizontal Cores, Add	28.08	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	56.16	
02 41 19 13-0039 EA Drill 8" Diameter Core In >4" To 6" Concrete.....	212.66	
For Horizontal Cores, Add	42.12	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	84.25	
02 41 19 13-0040 EA Drill 10" Diameter Core In >4" To 6" Concrete.....	248.49	
For Horizontal Cores, Add	49.15	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	98.30	
02 41 19 13-0041 EA Drill 12" Diameter Core In >4" To 6" Concrete.....	284.10	
For Horizontal Cores, Add	56.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	112.32	
02 41 19 13-0042 EA Drill 14" Diameter Core In >4" To 6" Concrete.....	319.90	
For Horizontal Cores, Add	63.18	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	126.36	
02 41 19 13-0043 EA Drill 18" Diameter Core In >4" To 6" Concrete.....	356.21	
For Horizontal Cores, Add	70.20	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	140.41	
02 41 19 13-0044 >6" To 8" Thick Concrete Core Drilling (02 41 19 13-0019)		
02 41 19 13-0045 EA Drill 1" Diameter Core In >6" To 8" Concrete.....	63.46	
For Horizontal Cores, Add	12.51	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.02	
02 41 19 13-0046 EA Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	70.41	
For Horizontal Cores, Add	13.90	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.80	
02 41 19 13-0047 EA Drill 2" Diameter Core In >6" To 8" Concrete.....	78.13	
For Horizontal Cores, Add	15.45	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.89	
02 41 19 13-0048 EA Drill 3" Diameter Core In >6" To 8" Concrete.....	92.50	
For Horizontal Cores, Add	18.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.51	
02 41 19 13-0049 EA Drill 4" Diameter Core In >6" To 8" Concrete.....	120.96	
For Horizontal Cores, Add	23.87	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.74	
02 41 19 13-0050 EA Drill 6" Diameter Core In >6" To 8" Concrete.....	170.50	
For Horizontal Cores, Add	33.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	67.40	
02 41 19 13-0051 EA Drill 8" Diameter Core In >6" To 8" Concrete.....	283.53	
For Horizontal Cores, Add	56.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	112.32	
02 41 19 13-0052 EA Drill 10" Diameter Core In >6" To 8" Concrete.....	319.55	
For Horizontal Cores, Add	63.18	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	126.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0053 EA Drill 12" Diameter Core In >6" To 8" Concrete.....	355.41	
<i>For Horizontal Cores, Add</i>	70.20	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	140.41	
02 41 19 13-0054 EA Drill 14" Diameter Core In >6" To 8" Concrete.....	391.44	
<i>For Horizontal Cores, Add</i>	77.21	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	154.42	
02 41 19 13-0055 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	428.25	
<i>For Horizontal Cores, Add</i>	84.25	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	168.50	
02 41 19 13-0056 >8" To 10" Thick Concrete Core Drilling (02 41 19 13-0019)		
02 41 19 13-0057 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	75.06	
<i>For Horizontal Cores, Add</i>	14.79	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	29.57	
02 41 19 13-0058 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	83.27	
<i>For Horizontal Cores, Add</i>	16.43	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	32.86	
02 41 19 13-0059 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	92.40	
<i>For Horizontal Cores, Add</i>	18.25	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.51	
02 41 19 13-0060 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	106.87	
<i>For Horizontal Cores, Add</i>	21.06	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	42.12	
02 41 19 13-0061 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	121.38	
<i>For Horizontal Cores, Add</i>	23.87	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	47.74	
02 41 19 13-0062 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	171.01	
<i>For Horizontal Cores, Add</i>	33.70	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	67.40	
02 41 19 13-0063 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	284.22	
<i>For Horizontal Cores, Add</i>	56.16	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	112.32	
02 41 19 13-0064 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	320.46	
<i>For Horizontal Cores, Add</i>	63.18	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	126.36	
02 41 19 13-0065 EA Drill 12" Diameter Core In >8" To 10" Concrete.....	356.43	
<i>For Horizontal Cores, Add</i>	70.19	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	140.38	
02 41 19 13-0066 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	392.82	
<i>For Horizontal Cores, Add</i>	77.21	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	154.42	
02 41 19 13-0067 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	429.97	
<i>For Horizontal Cores, Add</i>	84.23	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	168.46	
02 41 19 13-0068 >10" To 12" Thick Concrete Core Drilling (02 41 19 13-0019)		
02 41 19 13-0069 EA Drill 1" Diameter Core In >10" To 12" Concrete.....	80.99	
<i>For Horizontal Cores, Add</i>	15.92	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.85	
02 41 19 13-0070 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	89.83	
<i>For Horizontal Cores, Add</i>	17.69	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	35.38	
02 41 19 13-0071 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	99.66	
<i>For Horizontal Cores, Add</i>	19.66	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	39.32	
02 41 19 13-0072 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	107.20	
<i>For Horizontal Cores, Add</i>	21.06	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	42.12	
02 41 19 13-0073 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	142.87	
<i>For Horizontal Cores, Add</i>	28.08	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	56.16	
02 41 19 13-0074 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	185.57	
<i>For Horizontal Cores, Add</i>	36.51	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.02	
02 41 19 13-0075 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	298.98	
<i>For Horizontal Cores, Add</i>	58.97	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	117.94	
02 41 19 13-0076 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	321.37	
<i>For Horizontal Cores, Add</i>	63.18	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	126.36	
02 41 19 13-0077 EA Drill 12" Diameter Core In >10" To 12" Concrete.....	371.67	
<i>For Horizontal Cores, Add</i>	73.02	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	146.04	
02 41 19 13-0078 >12" Thick Concrete Core Drilling (02 41 19 13-0019)		
02 41 19 13-0079 IN Drill 1" Diameter Core In >12" Concrete.....	9.84	
<i>For Horizontal Cores, Add</i>	1.95	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.89	
02 41 19 13-0080 IN Drill 1-1/2" Diameter Core In >12" Concrete.....	10.92	
<i>For Horizontal Cores, Add</i>	2.16	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.32	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0081	IN		Drill 2" Diameter Core In >12" Concrete	12.12	
			<i>For Horizontal Cores, Add</i>	2.40	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.80	
02 41 19 13-0082	IN		Drill 3" Diameter Core In >12" Concrete	13.31	
			<i>For Horizontal Cores, Add</i>	2.63	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.26	
02 41 19 13-0083	IN		Drill 4" Diameter Core In >12" Concrete	17.74	
			<i>For Horizontal Cores, Add</i>	3.51	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	7.02	
02 41 19 13-0084	IN		Drill 6" Diameter Core In >12" Concrete	23.09	
			<i>For Horizontal Cores, Add</i>	4.57	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	9.14	
02 41 19 13-0085	IN		Drill 8" Diameter Core In >12" Concrete	37.23	
			<i>For Horizontal Cores, Add</i>	7.38	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.76	
02 41 19 13-0086	IN		Drill 10" Diameter Core In >12" Concrete	40.12	
			<i>For Horizontal Cores, Add</i>	7.93	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.86	
02 41 19 13-0087	IN		Drill 12" Diameter Core In >12" Concrete	46.21	
			<i>For Horizontal Cores, Add</i>	9.13	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.26	
02 41 19 13-0088			Brick/Concrete Block Core Drilling (02 41 19 13-0018)		
02 41 19 13-0089			Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0088)		
02 41 19 13-0090	EA		Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	32.28	
			<i>For Horizontal Cores, Add</i>	6.37	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	12.74	
02 41 19 13-0091	EA		Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	35.81	
			<i>For Horizontal Cores, Add</i>	7.08	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.15	
02 41 19 13-0092	EA		Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	39.75	
			<i>For Horizontal Cores, Add</i>	7.86	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.73	
02 41 19 13-0093	EA		Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	56.75	
			<i>For Horizontal Cores, Add</i>	11.23	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.47	
02 41 19 13-0094	EA		Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	76.04	
			<i>For Horizontal Cores, Add</i>	15.05	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.10	
02 41 19 13-0095	EA		Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	85.22	
			<i>For Horizontal Cores, Add</i>	16.85	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.70	
02 41 19 13-0096	EA		Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	136.15	
			<i>For Horizontal Cores, Add</i>	26.96	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	53.92	
02 41 19 13-0097	EA		Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	170.34	
			<i>For Horizontal Cores, Add</i>	33.70	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	67.40	
02 41 19 13-0098	EA		Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	198.79	
			<i>For Horizontal Cores, Add</i>	39.32	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	78.64	
02 41 19 13-0099	EA		Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	227.26	
			<i>For Horizontal Cores, Add</i>	44.93	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.86	
02 41 19 13-0100	EA		Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	256.08	
			<i>For Horizontal Cores, Add</i>	50.54	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	101.08	
02 41 19 13-0101			>4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0088)		
02 41 19 13-0102	EA		Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	46.14	
			<i>For Horizontal Cores, Add</i>	9.10	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.19	
02 41 19 13-0103	EA		Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	51.19	
			<i>For Horizontal Cores, Add</i>	10.11	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.21	
02 41 19 13-0104	EA		Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	56.81	
			<i>For Horizontal Cores, Add</i>	11.23	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.46	
02 41 19 13-0105	EA		Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	68.30	
			<i>For Horizontal Cores, Add</i>	13.48	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.96	
02 41 19 13-0106	EA		Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	85.44	
			<i>For Horizontal Cores, Add</i>	16.85	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.70	
02 41 19 13-0107	EA		Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	113.82	
			<i>For Horizontal Cores, Add</i>	22.47	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	44.93	
02 41 19 13-0108	EA		Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	170.54	
			<i>For Horizontal Cores, Add</i>	33.70	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	67.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0109 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	199.34	
<i>For Horizontal Cores, Add</i>	39.32	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	78.64	
02 41 19 13-0110 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	227.94	
<i>For Horizontal Cores, Add</i>	44.93	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.86	
02 41 19 13-0111 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	256.72	
<i>For Horizontal Cores, Add</i>	50.54	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	101.08	
02 41 19 13-0112 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	286.01	
<i>For Horizontal Cores, Add</i>	56.16	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	112.33	
02 41 19 13-0113 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0088)		
02 41 19 13-0114 EA Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	50.94	
<i>For Horizontal Cores, Add</i>	10.01	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.02	
02 41 19 13-0115 EA Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	56.51	
<i>For Horizontal Cores, Add</i>	11.12	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.24	
02 41 19 13-0116 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	62.69	
<i>For Horizontal Cores, Add</i>	12.36	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.72	
02 41 19 13-0117 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	74.24	
<i>For Horizontal Cores, Add</i>	14.60	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	29.20	
02 41 19 13-0118 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	97.09	
<i>For Horizontal Cores, Add</i>	19.09	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.19	
02 41 19 13-0119 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	136.80	
<i>For Horizontal Cores, Add</i>	26.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	53.92	
02 41 19 13-0120 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	227.37	
<i>For Horizontal Cores, Add</i>	44.93	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.86	
02 41 19 13-0121 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	256.37	
<i>For Horizontal Cores, Add</i>	50.54	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	101.08	
02 41 19 13-0122 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	285.21	
<i>For Horizontal Cores, Add</i>	56.16	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	112.33	
02 41 19 13-0123 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	314.23	
<i>For Horizontal Cores, Add</i>	61.77	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	123.54	
02 41 19 13-0124 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	344.00	
<i>For Horizontal Cores, Add</i>	67.40	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	134.80	
02 41 19 13-0125 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0088)		
02 41 19 13-0126 EA Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	60.27	
<i>For Horizontal Cores, Add</i>	11.83	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	23.66	
02 41 19 13-0127 EA Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	66.84	
<i>For Horizontal Cores, Add</i>	13.14	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.28	
02 41 19 13-0128 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	74.14	
<i>For Horizontal Cores, Add</i>	14.60	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	29.20	
02 41 19 13-0129 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	85.80	
<i>For Horizontal Cores, Add</i>	16.85	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.70	
02 41 19 13-0130 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	97.51	
<i>For Horizontal Cores, Add</i>	19.09	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.19	
02 41 19 13-0131 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	137.31	
<i>For Horizontal Cores, Add</i>	26.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	53.92	
02 41 19 13-0132 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	228.06	
<i>For Horizontal Cores, Add</i>	44.93	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.86	
02 41 19 13-0133 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	257.28	
<i>For Horizontal Cores, Add</i>	50.54	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	101.08	
02 41 19 13-0134 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	286.24	
<i>For Horizontal Cores, Add</i>	56.15	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	112.30	
02 41 19 13-0135 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	315.61	
<i>For Horizontal Cores, Add</i>	61.77	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	123.54	
02 41 19 13-0136 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	345.74	
<i>For Horizontal Cores, Add</i>	67.38	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	134.76	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0137		>10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-008)	
02 41 19 13-0138	EA	Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	65.07
		<i>For Horizontal Cores, Add</i>	12.74
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.48
02 41 19 13-0139	EA	Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	72.14
		<i>For Horizontal Cores, Add</i>	14.15
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.31
02 41 19 13-0140	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	80.00
		<i>For Horizontal Cores, Add</i>	15.73
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.45
02 41 19 13-0141	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	86.13
		<i>For Horizontal Cores, Add</i>	16.85
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.70
02 41 19 13-0142	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	114.79
		<i>For Horizontal Cores, Add</i>	22.47
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	44.93
02 41 19 13-0143	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	149.06
		<i>For Horizontal Cores, Add</i>	29.21
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	58.42
02 41 19 13-0144	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	240.01
		<i>For Horizontal Cores, Add</i>	47.18
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	94.36
02 41 19 13-0145	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	258.19
		<i>For Horizontal Cores, Add</i>	50.54
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	101.08
02 41 19 13-0146	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	298.64
		<i>For Horizontal Cores, Add</i>	58.41
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	116.83

02 41 19 13-0147		>12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-008)	
02 41 19 13-0148	IN	Drill 1" Diameter Core In >12" Brick/Concrete Block	7.90
		<i>For Horizontal Cores, Add</i>	1.56
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.12
02 41 19 13-0149	IN	Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	8.76
		<i>For Horizontal Cores, Add</i>	1.73
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.46
02 41 19 13-0150	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	9.72
		<i>For Horizontal Cores, Add</i>	1.92
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.84
02 41 19 13-0151	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	10.69
		<i>For Horizontal Cores, Add</i>	2.11
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.21
02 41 19 13-0152	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	14.24
		<i>For Horizontal Cores, Add</i>	2.81
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.62
02 41 19 13-0153	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	18.52
		<i>For Horizontal Cores, Add</i>	3.65
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	7.31
02 41 19 13-0154	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	29.85
		<i>For Horizontal Cores, Add</i>	5.90
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	11.80
02 41 19 13-0155	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	32.18
		<i>For Horizontal Cores, Add</i>	6.34
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	12.69
02 41 19 13-0156	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	37.08
		<i>For Horizontal Cores, Add</i>	7.31
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.61

02 41 19 13-0157		Drilling In Concrete Per Inch Of Depth (02 41 19 13-0018)	
Note: Includes layout.			
02 41 19 13-0158	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.22
02 41 19 13-0159	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	2.33
02 41 19 13-0160	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.50
02 41 19 13-0161	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.65
02 41 19 13-0162	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	2.92
02 41 19 13-0163	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	3.15
02 41 19 13-0164	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	3.32
02 41 19 13-0165	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	3.66
02 41 19 13-0166	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	4.15

02 41 19 13-0167		Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0018)	
Note: Includes layout.			
02 41 19 13-0168	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.85
02 41 19 13-0169	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.94
02 41 19 13-0170	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.08
02 41 19 13-0171	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.22
02 41 19 13-0172	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.43
02 41 19 13-0173	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.63
02 41 19 13-0174	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.76



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

02

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	02 41 19 13-0175	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.05	
	02 41 19 13-0176	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.80	
	02 41 19 13-0177		Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0018)		
			Note: Includes layout.		
	02 41 19 13-0178	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.91	
	02 41 19 13-0179	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.97	
	02 41 19 13-0180	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.04	
	02 41 19 13-0181	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.10	
	02 41 19 13-0182	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.21	
	02 41 19 13-0183	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.31	
	02 41 19 13-0184	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.38	
	02 41 19 13-0185	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.52	
	02 41 19 13-0186	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.80	
	02 41 19 13-0187		Drilling In Drywall Or Plaster Per Inch Of Depth (02 41 19 13-0018)		
			Note: Includes layout, high efficiency particulate air (HEPA) vacuum and protection.		
	02 41 19 13-0188	IN	1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	0.91	
	02 41 19 13-0189	IN	3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	0.97	
	02 41 19 13-0190	IN	1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.04	
	02 41 19 13-0191	IN	5/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.10	
	02 41 19 13-0192	IN	3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.21	
	02 41 19 13-0193	IN	7/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.31	
	02 41 19 13-0194	IN	1" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.38	
	02 41 19 13-0195	IN	1-1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.52	
	02 41 19 13-0196	IN	1-1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth.....	1.80	
	02 41 19 13-0197		Minimum Charge For Core Drilling (02 41 19 13-0018)		
	02 41 19 13-0198	EA	Core Drill Minimum Charge.....	835.42	
			Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".		
	02 41 19 13-0199		Cutouts (02 41 19 13)		
			Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
	02 41 19 13-0200		Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0199)		
	02 41 19 13-0201	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	49.67	
	02 41 19 13-0202	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	52.68	
	02 41 19 13-0203	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	55.68	
	02 41 19 13-0204	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	58.70	
	02 41 19 13-0205	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	60.20	
	02 41 19 13-0206		Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0199)		
			Note: Includes cutting and removing steel decking.		
	02 41 19 13-0207	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	60.53	
	02 41 19 13-0208	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	64.20	
	02 41 19 13-0209	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	67.87	
	02 41 19 13-0210	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	71.54	
	02 41 19 13-0211	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	73.38	
	02 41 19 13-0212		Reinforced Concrete Wall Cutouts (02 41 19 13-0199)		
	02 41 19 13-0213	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	62.09	
	02 41 19 13-0214	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	65.85	
	02 41 19 13-0215	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	69.62	
	02 41 19 13-0216	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	73.38	
	02 41 19 13-0217	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	75.25	
	02 41 19 13-0218		Brick Wall Cutouts (02 41 19 13-0199)		
			Note: Excludes toothing.		
	02 41 19 13-0219	SF	4" Thick Brick Wall Cutouts, <24 SF	18.81	
	02 41 19 13-0220	SF	6" Thick Brick Wall Cutouts, <24 SF	31.04	
	02 41 19 13-0221	SF	8" Thick Brick Wall Cutouts, <24 SF	43.23	
	02 41 19 13-0222	SF	10" Thick Brick Wall Cutouts, <24 SF	52.68	
	02 41 19 13-0223	SF	12" Thick Brick Wall Cutouts, <24 SF	63.03	
	02 41 19 13-0224	SF	16" Thick Brick Wall Cutouts, <24 SF	74.32	
	02 41 19 13-0225		Concrete Block Wall Cutouts (02 41 19 13-0199)		
			Note: Excludes toothing.		
	02 41 19 13-0226	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	31.12	
	02 41 19 13-0227	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	32.96	
	02 41 19 13-0228	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	34.80	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0229 SF 10" Thick Concrete Block Wall Cutouts, <24 SF	36.69	
02 41 19 13-0230 SF 12" Thick Concrete Block Wall Cutouts, <24 SF	37.63	
02 41 19 13-0231 SF 16" Thick Concrete Block Wall Cutouts, <24 SF	39.51	
02 41 19 13-0232 Limestone Cutouts (02 41 19 13-0199)		
02 41 19 13-0233 SF 2" Thick Limestone Cutouts, <24 SF	52.68	
02 41 19 13-0234 SF 4" Thick Limestone Cutouts, <24 SF	63.97	
02 41 19 13-0235 SF 6" Thick Limestone Cutouts, <24 SF	67.73	
02 41 19 13-0236 SF 8" Thick Limestone Cutouts, <24 SF	71.49	
02 41 19 13-0237 SF 10" Thick Limestone Cutouts, <24 SF	75.25	
02 41 19 13-0238 SF 12" Thick Limestone Cutouts, <24 SF	79.02	
02 41 19 13-0239 Toothing Masonry Cutouts (02 41 19 13-0199)		
Note: For use where existing masonry must be removed in a tothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0240 VLF Brick, Soft Old Mortar, Toothing Masonry Cutouts	18.81	
02 41 19 13-0241 VLF Brick, Hard Mortar, Toothing Masonry Cutouts	25.40	
02 41 19 13-0242 VLF Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	11.29	
02 41 19 13-0243 VLF Concrete Block, Hard Mortar, Toothing Masonry Cutouts	15.05	
02 41 19 13-0244 Minimum Charge For Cutouts (02 41 19 13-0199)		
Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0245 EA Cutouts Minimum Charge	376.28	
02 41 19 13-0246 Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0247 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0246)		
02 41 19 13-0248 VLF 8" x 8" Masonry Column Removal	14.47	
02 41 19 13-0249 VLF 10" x 10" Masonry Column Removal	22.62	
02 41 19 13-0250 VLF 12" x 12" Masonry Column Removal	28.98	
02 41 19 13-0251 VLF 14" x 14" Masonry Column Removal	36.27	
02 41 19 13-0252 VLF 16" x 16" Masonry Column Removal	44.56	
02 41 19 13-0253 CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	25.02	
02 41 19 13-0254 Masonry Chimney Removal (02 41 19 13-0246)		
02 41 19 13-0255 CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	29.36	
02 41 19 13-0256 CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	22.03	
02 41 19 13-0257 CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	16.87	
02 41 19 13-0258 CF >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	11.68	
02 41 19 13-0259 Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0246)		
Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0260 LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	20.12	
02 41 19 13-0261 LF >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	29.73	
02 41 19 13-0262 LF >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	56.19	
02 41 19 13-0263 Facade Removal (02 41 19 13-0246)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0264 SF Stone Or Brick Veneer Facade Removal	5.51	
<i>For Cleaning and Storage For Reuse, Add</i>		8.27
02 41 19 13-0265 Exterior Masonry Removal (02 41 19 13-0246)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0266 SF Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall	4.85	
02 41 19 13-0267 SF Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall	5.46	
02 41 19 13-0268 SF Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall	6.61	
02 41 19 13-0269 SF Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall	7.23	
02 41 19 13-0270 SF Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall	7.93	
02 41 19 13-0271 SF Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall	9.92	
02 41 19 13-0272 SF Demolish 4" Thick Reinforced Concrete Block Exterior Wall	5.73	
02 41 19 13-0273 SF Demolish 6" Thick Reinforced Concrete Block Exterior Wall	6.55	
02 41 19 13-0274 SF Demolish 8" Thick Reinforced Concrete Block Exterior Wall	7.93	
02 41 19 13-0275 SF Demolish 10" Thick Reinforced Concrete Block Exterior Wall	8.67	
02 41 19 13-0276 SF Demolish 12" Thick Reinforced Concrete Block Exterior Wall	9.52	
02 41 19 13-0277 SF Demolish 16" Thick Reinforced Concrete Block Exterior Wall	11.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0278 SF Demolish 4" Thick Brick Exterior Wall.....	4.85	
For Cleaning and Storage For Reuse, Add	7.28	
02 41 19 13-0279 SF Demolish 6" Thick Brick Exterior Wall.....	5.46	
For Cleaning and Storage For Reuse, Add	8.19	
02 41 19 13-0280 SF Demolish 8" Thick Brick Exterior Wall.....	6.61	
For Cleaning and Storage For Reuse, Add	9.92	
02 41 19 13-0281 SF Demolish 10" Thick Brick Exterior Wall.....	7.23	
For Cleaning and Storage For Reuse, Add	10.85	
02 41 19 13-0282 SF Demolish 12" Thick Brick Exterior Wall.....	7.93	
For Cleaning and Storage For Reuse, Add	11.90	
02 41 19 13-0283 SF Demolish 16" Thick Brick Exterior Wall.....	9.92	
For Cleaning and Storage For Reuse, Add	14.88	
02 41 19 13-0284 CF Exterior Brick, Concrete Block Or Composite Removal.....	14.10	
For Cleaning and Storage For Reuse, Add	21.15	
02 41 19 13-0285 Lintel Removal (02 41 19 13-0246)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0286 LF Demolish Steel Lintel.....	13.41	
02 41 19 13-0287 LF Demolish Concrete Or Stone Lintel.....	17.88	
02 41 19 13-0288 LF Demolish Steel Shelf Angle.....	14.15	
02 41 19 13-0289 Reinstall Lintel (02 41 19 13-0246)		
Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0290 LF Clean, Prime And Paint Steel Shelf Angle Or Lintel.....	8.44	
02 41 19 13-0291 LF Reinstall Existing Concrete Or Stone Lintel.....	17.88	
02 41 19 13-0292 LF Reinstall Existing Steel Shelf Angle.....	47.94	
Note: Includes fasteners.		
02 41 19 13-0293 LF Reinstall Existing Steel Lintel.....	19.87	
02 41 19 13-0294 LF Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls.....	84.34	
02 41 19 13-0295 LF Removal And Replacement Of Steel Lintel Over Window Openings.....	137.64	
02 41 19 13-0296 Exterior Concrete Wall Removal (02 41 19 13)		
02 41 19 13-0297 SF Demolish 4" Thick Reinforced Concrete Exterior Wall.....	6.43	
02 41 19 13-0298 SF Demolish 6" Thick Reinforced Concrete Exterior Wall.....	11.66	
02 41 19 13-0299 SF Demolish 8" Thick Reinforced Concrete Exterior Wall.....	14.65	
02 41 19 13-0300 SF Demolish 10" Thick Reinforced Concrete Exterior Wall.....	17.28	
02 41 19 13-0301 SF Demolish 12" Thick Reinforced Concrete Exterior Wall.....	20.43	
02 41 19 13-0302 Elevated Concrete Removal (02 41 19 13)		
02 41 19 13-0303 CF Elevated Concrete Beam/Slab/Steps Removal, Reinforced.....	12.61	
02 41 19 16 Selective Interior Demolition (02 41 19)		
Note: Includes break-up of material, loading into truck or dumpster and clean-up.		
02 41 19 16-0001 Floor Removal (02 41 19 16)		
02 41 19 16-0002 Scarify Concrete (02 41 19 16-0001)		
Note: Up to 1/4" removal per pass.		
02 41 19 16-0003 SF Scarify Concrete Floor.....	0.31	
02 41 19 16-0004 SF Scarify Concrete Tread And Riser.....	2.54	
02 41 19 16-0005 SF Scarify Concrete Wall.....	2.31	
02 41 19 16-0006 Fireproofing Removal (02 41 19 16)		
02 41 19 16-0007 SF Removal Of Fireproofing From Concrete Or Steel.....	1.23	
02 41 19 16-0008 Demolish Ceiling (02 41 19 16)		
02 41 19 16-0009 SF Demolish Drywall Ceiling.....	0.94	
02 41 19 16-0010 SF Demolish Furred Plastered Ceiling.....	2.20	
02 41 19 16-0011 SF Demolish Suspended Plastered Ceiling And Suspension System.....	1.69	
02 41 19 16-0012 Demolish Concrete Stair (02 41 19 16)		
02 41 19 16-0013 CF Demolish Interior Reinforced Concrete Stairs.....	7.93	
02 41 19 16-0014 CF Demolish Exterior Reinforced Concrete Stairs.....	6.71	
02 41 19 16-0015 Demolish Interior Partition/Wall (02 41 19 16)		
Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0016 Demolish Masonry And Concrete Interior Partition/Walls (02 41 19 16-0015)		
Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0017 Demolish Concrete Block Interior Partition/Walls (02 41 19 16-0016)		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0018 SF Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall	5.14	
02 41 19 16-0019 SF Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall	5.48	
02 41 19 16-0020 SF Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall	6.18	
02 41 19 16-0021 SF Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall	7.94	
02 41 19 16-0022 SF Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall	9.93	
02 41 19 16-0023 SF Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall	6.16	
02 41 19 16-0024 SF Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall	6.58	
02 41 19 16-0025 SF Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall	7.43	
02 41 19 16-0026 SF Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall	9.53	
02 41 19 16-0027 SF Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall	11.91	
02 41 19 16-0028 Demolish Brick Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0029 SF Demolish 4" Thick Brick Interior Partition/Wall	5.14	
02 41 19 16-0030 SF Demolish 8" Thick Brick Interior Partition/Wall	6.18	
02 41 19 16-0031 SF Demolish 12" Thick Brick Interior Partition/Wall	7.93	
02 41 19 16-0032 SF Demolish 16" Thick Brick Interior Partition/Wall	9.92	
02 41 19 16-0033 Demolish Glass Block Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0034 SF Demolish Glass Block Interior Partition/Walls	4.41	
02 41 19 16-0035 Demolish Concrete Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0036 SF Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall	9.35	
02 41 19 16-0037 SF Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall	11.68	
02 41 19 16-0038 SF Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall	16.35	
02 41 19 16-0039 SF Demolish 6" Thick Reinforced Concrete Interior Partition/Wall	11.22	
02 41 19 16-0040 SF Demolish 8" Thick Reinforced Concrete Interior Partition/Wall	14.10	
02 41 19 16-0041 SF Demolish 12" Thick Reinforced Concrete Interior Partition/Wall	19.62	
02 41 19 16-0042 Demolish Terra-Cotta Block Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0043 SF Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster	1.77	
02 41 19 16-0044 Demolish Stud Framed Interior Partition/Walls (02 41 19 16-0015)		
Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0045 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side	3.12	
For Heights >14' To 20', Add	0.47	
For Heights >20', Add	0.62	
02 41 19 16-0046 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides	3.63	
For Heights >14' To 20', Add	0.54	
For Heights >20', Add	0.73	
02 41 19 16-0047 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side	3.98	
For Heights >14' To 20', Add	0.60	
For Heights >20', Add	0.80	
02 41 19 16-0048 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides	5.54	
For Heights >14' To 20', Add	0.83	
For Heights >20', Add	1.11	
02 41 19 16-0049 SF Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall	1.64	
For Heights >14' To 20', Add	0.25	
For Heights >20', Add	0.33	
02 41 19 16-0050 SF Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall	1.96	
For Heights >14' To 20', Add	0.29	
For Heights >20', Add	0.39	
02 42 Removal and Salvage of Construction Materials (02 40)		
02 42 21 Salvage of Construction Materials (02 42)		
Note: Includes placement on pallets and storage on site.		
02 42 21 35 Roofing Salvage (02 42 21)		
02 42 21 35-0001 Clay Tile Roof Remove And Salvage For Re-use (02 42 21 35)		
Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 42 21 35-0002 SQ Removal Of Clay Roof Tile, Salvage For Re-use	286.83	
02 42 21 47 Flooring Salvage (02 42 21)		
02 42 21 47-0001 Remove And Salvage For Re-Use (02 42 21 47)		
Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 42 21 47-0002 SF Removal Of Brick Flooring And Salvage	2.61	
02 42 21 47-0003 SF Removal Of Ceramic/Quarry Tile Floor And Salvage	2.61	
02 42 21 47-0004 SF Removal Of Terrazzo Flooring And Salvage	3.61	
02 42 21 47-0005 SF Removal Of Wood Strip Flooring And Salvage	2.11	
02 42 21 47-0006 SF Removal Of Wood Parquet Flooring And Salvage	1.11	
02 42 21 47-0007 SF Removal Of Resilient/Linoleum Flooring And Salvage	0.80	



Existing Conditions	02	
Contaminated Site Material Removal	02 60	02
Removal and Salvage of Construction Materials	02 42	

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

02 60 Contaminated Site Material Removal (02)

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

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

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

02 61 26 00-0001 Removal and Disposal of Asbestos Contaminated Soils (02 61 26)

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

02 61 26 00-0002	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	922.01
		<i>For Work In Restricted Working Space, Add</i>	276.60
02 61 26 00-0003	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	61.12
		<i>For Work In Restricted Working Space, Add</i>	18.34
02 61 26 00-0004	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	40.75
		<i>For Work In Restricted Working Space, Add</i>	12.23
02 61 26 00-0005	CF	>250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	30.60
		<i>For Work In Restricted Working Space, Add</i>	9.18
02 61 26 00-0006	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	24.45
		<i>For Work In Restricted Working Space, Add</i>	7.34
02 61 26 00-0007	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	20.78
		<i>For Work In Restricted Working Space, Add</i>	6.23
02 61 26 00-0008	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	18.70
		<i>For Work In Restricted Working Space, Add</i>	5.61

02 80 Facility Remediation (02)

02 81 Transportation and Disposal of Hazardous Materials (02 80)

02 81 00 00-0001 Equipment Oil Drain And Disposal (02 81)

02 81 00 00-0002	TRIP	Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site	633.15
		Note: Excludes Disposal Cost.	
02 81 00 00-0003	DRM	Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum	99.50
		Note: Excludes draining, placing in approved container, and transporting to disposal site.	
02 81 00 00-0004	DRM	Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum	452.25
		Note: Excludes draining, placing in approved container, and transporting to disposal site.	
02 81 00 00-0005	DRM	Disposal Of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum	814.05
		Note: Excludes draining, placing in approved container, and transporting to disposal site.	
02 81 00 00-0006	CF	Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site	108.58
		Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	

02 82 Asbestos Remediation (02 80)

See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.

02 82 13 Asbestos Abatement (02 82)

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

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

02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	73.62
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	58.90
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	69.06
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	109.68
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	188.90
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	229.53
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	46.72
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	56.87
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	77.19
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	58.90
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	69.06
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	109.68
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	188.90
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	217.34
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	302.65

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**02 82 16 Engineering Control of Asbestos Containing Materials (02 82)**

02 82 16 00-0001	Asbestos Encapsulation (Lock-Down) (02 82 16)	
02 82 16 00-0002	SF Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.55
02 82 16 00-0003	SF Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	2.12
02 82 16 00-0004	SF Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	2.32
02 82 16 00-0005	SF Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	2.50
02 82 16 00-0006	SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	7.87
02 82 16 00-0007	SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	8.94

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

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

02 82 33 00-0001	Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0002	Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001)	
	Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.	
02 82 33 00-0003	Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0004	SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	964.70
	<i>For Work In Restricted Working Space, Add</i>	276.60
02 82 33 00-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	33.56
	<i>For Work In Restricted Working Space, Add</i>	9.43
02 82 33 00-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	25.71
	<i>For Work In Restricted Working Space, Add</i>	7.07
02 82 33 00-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.81
	<i>For Work In Restricted Working Space, Add</i>	5.30
02 82 33 00-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	15.39
	<i>For Work In Restricted Working Space, Add</i>	3.98
02 82 33 00-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	13.66
	<i>For Work In Restricted Working Space, Add</i>	3.46
02 82 33 00-0010	>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0011	SET Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,007.39
	<i>For Work In Restricted Working Space, Add</i>	276.60
02 82 33 00-0012	LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	40.42
	<i>For Work In Restricted Working Space, Add</i>	10.85
02 82 33 00-0013	LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	31.38
	<i>For Work In Restricted Working Space, Add</i>	8.13
02 82 33 00-0014	LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	24.61
	<i>For Work In Restricted Working Space, Add</i>	6.10
02 82 33 00-0015	LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.51
	<i>For Work In Restricted Working Space, Add</i>	4.57
02 82 33 00-0016	LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	17.54
	<i>For Work In Restricted Working Space, Add</i>	3.98
02 82 33 00-0017	Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.	
02 82 33 00-0018	SET Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	601.82
	<i>For Work In Restricted Working Space, Add</i>	176.70
02 82 33 00-0019	LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation	102.44
	<i>For Work In Restricted Working Space, Add</i>	29.45
02 82 33 00-0020	LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation	42.38
	<i>For Work In Restricted Working Space, Add</i>	11.43
02 82 33 00-0021	LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation	32.84
	<i>For Work In Restricted Working Space, Add</i>	8.57
02 82 33 00-0022	LF >500 LF Additional Glove Bag Work for Pipe Insulation	25.70
	<i>For Work In Restricted Working Space, Add</i>	6.43
02 82 33 00-0023	Thermal Insulation, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0024	Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (02 82 33 00-0023)	
	Note: e.g., duct, boiler, tank, etc.	
02 82 33 00-0025	SET Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	948.69
02 82 33 00-0026	SF >25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	32.50



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0027 SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	25.82	
02 82 33 00-0028 SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	19.64	
02 82 33 00-0029 SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	14.99	
02 82 33 00-0030 Surfacing Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0031 Fireproofing For Small Areas, Asbestos Abatement And Disposal (02 82 33 00-0030)		
Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0033 for areas > 1 SF see CSI section.		
02 82 33 00-0032 EA Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal.....	154.74	
Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.		
02 82 33 00-0033 Fireproofing, Asbestos Abatement And Disposal (02 82 33 00-0030)		
Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0034 SET Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	948.69	
02 82 33 00-0035 SF >25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	38.78	
02 82 33 00-0036 SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal.....	29.35	
02 82 33 00-0037 SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	22.28	
02 82 33 00-0038 SF >10,000 SF, Fireproofing, Asbestos Abatement And Disposal	16.98	
02 82 33 00-0039 Acoustical Plaster, Asbestos Abatement And Disposal (02 82 33 00-0030)		
Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0040 SET Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	939.80	
02 82 33 00-0041 SF >25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	16.46	
02 82 33 00-0042 SF >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	12.62	
02 82 33 00-0043 SF >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	9.55	
02 82 33 00-0044 SF >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	7.24	
02 82 33 00-0045 Gypsum Wall Board, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0046 SET Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	957.59	
For Additional Layer, Add		253.55
02 82 33 00-0047 SF >50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	12.81	
For Additional Layer, Add		3.33
02 82 33 00-0048 SF >500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	9.55	
For Additional Layer, Add		2.43
02 82 33 00-0049 SF >2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	7.63	
For Additional Layer, Add		1.90
02 82 33 00-0050 SF >10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	6.09	
For Additional Layer, Add		1.48
02 82 33 00-0051 SF >50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	4.93	
For Additional Layer, Add		1.16
02 82 33 00-0052 SF >100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	4.09	
For Additional Layer, Add		0.93
02 82 33 00-0053 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0054 SET Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	939.80	
02 82 33 00-0055 SF >25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	23.69	
02 82 33 00-0056 SF >500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	17.53	
02 82 33 00-0057 SF >2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	13.85	
02 82 33 00-0058 SF >10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	10.93	
02 82 33 00-0059 SF >50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	8.01	
02 82 33 00-0060 Stucco, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0061 SET Up To 50 SF, Stucco, Asbestos Abatement And Disposal.....	957.59	
02 82 33 00-0062 SF >50 To 500 SF, Stucco, Asbestos Abatement And Disposal	20.75	
02 82 33 00-0063 SF >500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	15.72	
02 82 33 00-0064 SF >2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	11.99	
02 82 33 00-0065 SF >10,000 SF, Stucco, Asbestos Abatement And Disposal	9.16	
02 82 33 00-0066 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0067 SET Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	957.59	
02 82 33 00-0068 SF >50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	10.95	
02 82 33 00-0069 SF >500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	9.10	
02 82 33 00-0070 SF >2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	6.48	
02 82 33 00-0071 SF >10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	5.02	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0072 Plywood, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0073 SET Up To 40 SF, Plywood, Asbestos Abatement And Disposal	950.48	
02 82 33 00-0074 SF >50 To 500 SF, Plywood, Asbestos Abatement And Disposal	13.77	
02 82 33 00-0075 SF >500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	6.99	
02 82 33 00-0076 SF >2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	4.95	
02 82 33 00-0077 SF >10,000 SF, Plywood, Asbestos Abatement And Disposal	4.32	
02 82 33 00-0078 Flooring Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0079 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0078)		
02 82 33 00-0080 Floor Tile, Asbestos Abatement And Disposal (02 82 33 00-0079)		
Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0081 SET Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	929.13	
For Each Additional Layer, Add	139.37	
02 82 33 00-0082 SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	6.99	
For Each Additional Layer, Add	1.05	
02 82 33 00-0083 SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	5.82	
For Each Additional Layer, Add	0.87	
02 82 33 00-0084 SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	4.75	
For Each Additional Layer, Add	0.71	
02 82 33 00-0085 SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	3.44	
For Each Additional Layer, Add	0.52	
02 82 33 00-0086 Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal (02 82 33 00-0079)		
Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0087 SET Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	929.13	
For Each Additional Layer, Add	139.37	
02 82 33 00-0088 SF >100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	6.99	
For Each Additional Layer, Add	1.05	
02 82 33 00-0089 SF >500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	5.84	
For Each Additional Layer, Add	0.88	
02 82 33 00-0090 SF >2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	5.35	
For Each Additional Layer, Add	0.80	
02 82 33 00-0091 SF >10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	4.42	
For Each Additional Layer, Add	0.66	
02 82 33 00-0092 Carpet, Asbestos Abatement And Disposal (02 82 33 00-0079)		
02 82 33 00-0093 SET Up To 100 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	929.13	
02 82 33 00-0094 SF >100 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	5.54	
02 82 33 00-0095 SF >500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	4.58	
02 82 33 00-0096 SF >2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	3.49	
02 82 33 00-0097 SF >10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	2.78	
02 82 33 00-0098 Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0079)		
Note: Up to 12".		
02 82 33 00-0099 SET Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	316.23	
02 82 33 00-0100 LF >25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	4.46	
02 82 33 00-0101 LF >100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.81	
02 82 33 00-0102 LF >500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.90	
02 82 33 00-0103 LF >2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.44	
02 82 33 00-0104 Mastic, Asbestos Abatement And Disposal (02 82 33 00-0078)		
Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.		
02 82 33 00-0105 SET Up To 100 SF, Mastic, Asbestos Abatement And Disposal	939.81	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0106 SF >100 To 500 SF, Mastic, Asbestos Abatement And Disposal	2.48	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0107 SF >500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal	1.86	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0108 SF >2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal	1.48	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0109 SF >10,000 SF, Mastic, Asbestos Abatement And Disposal	1.22	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0110 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0078)		
Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 33 00-0111 SET Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	993.17	
02 82 33 00-0112 SF >100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	7.98	
02 82 33 00-0113 SF >500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	6.01	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0114 SF >2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.86	
02 82 33 00-0115 SF >10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.94	
02 82 33 00-0116 Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal <small>(02 82 33 00-0078)</small>		
02 82 33 00-0117 SET Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	957.57	
02 82 33 00-0118 SF >100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	8.59	
02 82 33 00-0119 SF >500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	5.74	
02 82 33 00-0120 SF >2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	4.58	
02 82 33 00-0121 SF >10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	3.82	
02 82 33 00-0122 Roofing, Asbestos Abatement And Disposal <small>(02 82 33)</small>		
02 82 33 00-0123 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0122)</small> Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 33 00-0124 Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0123)</small>		
02 82 33 00-0125 SET Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1,010.96	
02 82 33 00-0126 SF >125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.60	
02 82 33 00-0127 SF >1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.42	
02 82 33 00-0128 SF >5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.48	
02 82 33 00-0129 SF >10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.54	
02 82 33 00-0130 SF >20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.83	
02 82 33 00-0131 >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0123)</small>		
02 82 33 00-0132 SET Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1,078.54	
02 82 33 00-0133 SF >110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	8.14	
02 82 33 00-0134 SF >1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.77	
02 82 33 00-0135 SF >5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.73	
02 82 33 00-0136 SF >10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.65	
02 82 33 00-0137 SF >20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.83	
02 82 33 00-0138 >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0123)</small>		
02 82 33 00-0139 SET Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,156.80	
02 82 33 00-0140 SF >110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	9.58	
02 82 33 00-0141 SF >1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	8.07	
02 82 33 00-0142 SF >5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.92	
02 82 33 00-0143 SF >10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.72	
02 82 33 00-0144 SF >20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.81	
02 82 33 00-0145 Shingles And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0122)</small>		
02 82 33 00-0146 Shingles And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0145)</small>		
02 82 33 00-0147 SET Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	944.24	
Note: Single or first of multiple layers.		
02 82 33 00-0148 SF >125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	6.07	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	1.21	
02 82 33 00-0149 SF >1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	4.89	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.98	
02 82 33 00-0150 SF >5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	3.95	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.79	
02 82 33 00-0151 SF >10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	3.01	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.60	
02 82 33 00-0152 SF >20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	2.30	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.46	

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

02 82 33 00-0153	Roof Penetration Mastic, Asbestos Abatement And Disposal (02 82 33 00-0122)	
02 82 33 00-0154	SET Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	309.12
02 82 33 00-0155	SF >10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.48
02 82 33 00-0156	SF >50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.07
02 82 33 00-0157	SF >100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.70
02 82 33 00-0158	SF >250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.28
02 82 33 00-0159	Roof Curb Mastic, Asbestos Abatement And Disposal (02 82 33 00-0122)	
02 82 33 00-0160	SET Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	309.12
02 82 33 00-0161	LF >10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	7.10
02 82 33 00-0162	LF >20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	5.71
02 82 33 00-0163	LF >50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	4.79
02 82 33 00-0164	LF >150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	3.50
02 82 33 00-0165	Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0166	Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0165)	
	Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0167	SET Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	957.57
	Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0168	SF >100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	6.64
	Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0169	SF >500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.50
	Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0170	SF >2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.87
	Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0171	SF >10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.54
	Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0172	Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0165)	
02 82 33 00-0173	SET Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	957.57
02 82 33 00-0174	SF >100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	5.82
02 82 33 00-0175	SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.15
02 82 33 00-0176	SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.60
02 82 33 00-0177	SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.30
02 82 33 00-0178	Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0165)	
02 82 33 00-0179	SET Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	811.03
02 82 33 00-0180	LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	35.70
02 82 33 00-0181	LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	27.85
02 82 33 00-0182	LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	21.95
02 82 33 00-0183	LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	17.53
02 82 33 00-0184	LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.22
02 82 33 00-0185	LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	13.98
02 82 33 00-0186	Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0165)	
02 82 33 00-0187	SET Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	982.31
	Note: Single or first of multiple layers.	
02 82 33 00-0188	SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	5.27
	Note: Single or first of multiple layers.	
02 82 33 00-0189	SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	4.29
	Note: Single or first of multiple layers.	
02 82 33 00-0190	SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	3.50
	Note: Single or first of multiple layers.	
02 82 33 00-0191	SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	2.72
	Note: Single or first of multiple layers.	
02 82 33 00-0192	SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	2.13
	Note: Single or first of multiple layers.	
02 82 33 00-0193	Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0194	Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0193)	
02 82 33 00-0195	SET Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	657.36
	For Work In Restricted Working Space, Add	184.40
02 82 33 00-0196	CF >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	65.39
	For Work In Restricted Working Space, Add	18.34
02 82 33 00-0197	CF >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	45.02
	For Work In Restricted Working Space, Add	12.23
02 82 33 00-0198	CF >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	34.87
	For Work In Restricted Working Space, Add	9.18
02 82 33 00-0199	CF >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	28.72
	For Work In Restricted Working Space, Add	7.34



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0200 CF >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	25.05	6.23
02 82 33 00-0201 CF >10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	22.97	5.61
02 82 33 00-0202 Other Asbestos Containing Materials, Asbestos Abatement And Disposal <small>(02 82 33 00-0202)</small>		
02 82 33 00-0203 30" To 36" Fire Door, Asbestos Abatement And Disposal <small>(02 82 33 00-0202)</small>		
02 82 33 00-0204 SET Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	326.55	
02 82 33 00-0205 EA >1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	129.86	
02 82 33 00-0206 EA >20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	118.78	
02 82 33 00-0207 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal <small>(02 82 33 00-0202)</small>		
02 82 33 00-0208 SET Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	308.23	
02 82 33 00-0209 LF >10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	6.37	
02 82 33 00-0210 LF >50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	4.80	
02 82 33 00-0211 LF >100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	4.15	
02 82 33 00-0212 LF >250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	3.58	
02 82 33 00-0213 LF >1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	3.08	
02 82 33 00-0214 LF >2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	2.66	
02 82 33 00-0215 Grout, Asbestos Abatement And Disposal <small>(02 82 33 00-0202)</small>		
Note: e.g. flue grout.		
02 82 33 00-0216 SET Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	307.93	
02 82 33 00-0217 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal.....	12.16	
02 82 33 00-0218 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal.....	8.39	
02 82 33 00-0219 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal.....	7.19	
02 82 33 00-0220 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal.....	6.19	
02 82 33 00-0221 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal.....	5.34	
02 82 33 00-0222 LF >2,500 LF, Grout, Asbestos Abatement And Disposal.....	4.59	
02 82 33 00-0223 Gaskets, Asbestos Abatement And Disposal <small>(02 82 33 00-0202)</small>		
Note: e.g. rope, web cloth, flat.		
02 82 33 00-0224 SET Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	308.23	
02 82 33 00-0225 LF >10 To 50 LF, Gaskets, Asbestos Abatement And Disposal.....	16.39	
02 82 33 00-0226 LF >50 To 250 LF, Gaskets, Asbestos Abatement And Disposal.....	12.31	
02 82 33 00-0227 LF >250 To 500 LF, Gaskets, Asbestos Abatement And Disposal.....	10.50	
02 82 33 00-0228 LF >500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal.....	9.46	
02 82 33 00-0229 LF >1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	8.51	
02 82 33 00-0230 LF >2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	8.11	
02 82 33 00-0231 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal <small>(02 82 33 00-0202)</small>		
Note: e.g. grid, spline, or glued on.		
02 82 33 00-0232 SET Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal..... Note: Including Glue Removal	632.45	
02 82 33 00-0233 SF >50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal..... Note: Including Glue Removal	13.42	
02 82 33 00-0234 SF >1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal..... Note: Including Glue Removal	6.64	
02 82 33 00-0235 SF >2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal..... Note: Including Glue Removal	4.60	
02 82 33 00-0236 SF >10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal..... Note: Including Glue Removal	3.97	
02 82 33 00-0237 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal <small>(02 82 33 00-0202)</small>		
Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 33 00-0238 SET Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	624.27	
02 82 33 00-0239 SF >50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	13.42	
02 82 33 00-0240 SF >1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	6.64	
02 82 33 00-0241 SF >2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.60	
02 82 33 00-0242 SF >10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.97	
02 82 33 00-0243 Caulking, Asbestos Abatement And Disposal <small>(02 82 33 00-0202)</small>		
02 82 33 00-0244 Non Friable Caulking, Asbestos Abatement And Disposal <small>(02 82 33 00-0243)</small>		
02 82 33 00-0245 SET Up To 10 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	307.93	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0246	LF		>10 To 50 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	9.13	
02 82 33 00-0247	LF		>50 To 100 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	6.45	
02 82 33 00-0248	LF		>100 To 250 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	4.82	
02 82 33 00-0249	LF		>250 To 1,000 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.63	
02 82 33 00-0250	LF		>1,000 To 2,500 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	2.89	
02 82 33 00-0251	LF		>2,500 LF, Non Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	2.51	
02 82 33 00-0252			Window Putty, Asbestos Abatement And Disposal (02 82 33 00-0202)		
02 82 33 00-0253	SET		Up To 10 LF, Window Putty, Asbestos Abatement And Disposal	307.93	
02 82 33 00-0254	LF		>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal	12.16	
02 82 33 00-0255	LF		>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal	8.39	
02 82 33 00-0256	LF		>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal	7.19	
02 82 33 00-0257	LF		>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal	6.19	
02 82 33 00-0258	LF		>1,000 LF, Window Putty, Asbestos Abatement And Disposal	5.34	
02 82 33 00-0259			Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0202)		
02 82 33 00-0260	SET		Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	696.63	
02 82 33 00-0261	EA		>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	75.50	
02 82 33 00-0262	EA		>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	57.17	
02 82 33 00-0263	EA		>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	48.04	
02 82 33 00-0264	EA		>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	42.49	
02 82 33 00-0265	EA		>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	39.19	
02 82 33 00-0266	EA		>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	37.31	
02 83 Lead Remediation (02 80)					
			See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.		
02 83 19 Lead-Based Paint Remediation (02 83)					
02 83 19 13 Lead-Based Paint Abatement (02 83 19)					
			Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.		
02 83 19 13-0001 Lead Sampling And Testing (02 83 19 13)					
			Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.		
02 83 19 13-0002	HR		Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	83.54	
02 83 19 13-0003	EA		X-Ray Fluorescence (XRF) Lead Testing	70.02	
			Note: Including Technician, 3 Readings Per Surface And Lab Fee		
02 83 19 13-0004	EA		5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	67.03	
02 83 19 13-0005	EA		48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	101.56	
02 83 19 13-0006	EA		24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	142.18	
02 83 19 13-0007	EA		5 Day Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee	26.41	
02 83 19 13-0008	EA		24 Hour Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee	40.62	
02 83 19 13-0009	EA		8 Hour Turnaround Total Threshold Leaching Concentration (TTL) Lead Test And Lab Fee	50.78	
02 83 19 13-0010	EA		5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	67.03	
02 83 19 13-0011	EA		3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	101.56	
02 83 19 13-0012	EA		5 Day Turnaround Lead Wipe Samples And Lab Fee	11.17	
02 83 19 13-0013	EA		24 Hour Turnaround Lead Wipe Samples And Lab Fee	15.23	
02 83 19 13-0014	EA		8 Hour Turnaround Lead Wipe Samples And Lab Fee	22.34	
02 83 19 13-0015	EA		5 Day Turnaround Lead Air Samples And Lab Fee	11.17	
02 83 19 13-0016	EA		24 Hour Turnaround Lead Air Samples And Lab Fee	15.23	
02 83 19 13-0017	EA		8 Hour Turnaround Lead Air Samples And Lab Fee	22.34	
02 83 19 13-0018	EA		5 Day Turnaround Lead Water Test and Lab Fee	40.62	
02 83 19 13-0019	EA		24 Hour Turnaround Lead Water Test and Lab Fee	60.94	
02 83 19 13-0020	EA		8 Hour Turnaround Lead Water Test and Lab Fee	81.25	
02 83 19 13-0021	EA		5 Day Turnaround Lead Paint Chip Test and Lab Fee	42.01	
02 83 19 13-0022	EA		5 Day Turnaround Lead Soil Test and Lab Fee	84.02	
02 83 19 13-0023 Minimum Charge For Lead-Based Paint Remediation (02 83 19 13)					
02 83 19 13-0024	EA		Lead-Based Paint Remediation Minimum Show Up Charge	1,156.24	
			Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.		
02 83 19 13-0025 Chemical Stripping Of Lead Contaminated Material (02 83 19 13)					
			Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0026	SF			Balustrades, Chemical Stripping Of Lead Contaminated Material .....32.03 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	1.82 2.87	
02 83 19 13-0027	SF			Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material .....47.50 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	2.59 4.03	
02 83 19 13-0028	LF			Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material.....13.76 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	0.82 1.31 7.40	
02 83 19 13-0029	LF			>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material.....28.10 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	1.54 2.39 10.99	
02 83 19 13-0030	SF			Cornice, Chemical Stripping Of Lead Contaminated Material.....14.96 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	0.97 1.59	
02 83 19 13-0031	SF			Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material .....42.35 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	2.34 3.64	
02 83 19 13-0032	SF			Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material.....9.24 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	0.64 1.07 7.59	
02 83 19 13-0033	SF			Cabinets, Chemical Stripping Of Lead Contaminated Material.....26.78 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	1.52 2.38	
02 83 19 13-0034	SF			Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material .....34.13 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	1.88 2.93	
02 83 19 13-0035	SF			Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material .....12.73 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	0.81 1.33	
02 83 19 13-0036	SF			Columns, Chemical Stripping Of Lead Contaminated Material .....12.23 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	0.83 1.38 9.60	
02 83 19 13-0037	SF			Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material .....10.78 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	0.72 1.18	
02 83 19 13-0038	SF			Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material.....13.25 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	0.84 1.37	
02 83 19 13-0039	SF			Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated.....19.50 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	1.19 1.93	
02 83 19 13-0040	EA			Electrical Devices, Chemical Stripping Of Lead Contaminated Material.....55.74 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	3.14 4.92	
02 83 19 13-0041	LF			Door Frames, Chemical Stripping Of Lead Contaminated Material .....13.83 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	0.87 1.41	
02 83 19 13-0042	SF			Wood Floors, Chemical Stripping Of Lead Contaminated Material.....7.61 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	0.56 0.94	
02 83 19 13-0043	SF			HVAC Grilles, Chemical Stripping Of Lead Contaminated Material .....28.63 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	1.61 2.52	
02 83 19 13-0044	SF			HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material .....34.13 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	1.88 2.93	
02 83 19 13-0045	EA			Hinges, Chemical Stripping Of Lead Contaminated Material .....17.93 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i>	1.16 1.90	
02 83 19 13-0046	EA			Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material .....22.09 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	1.37 2.21 13.38	
02 83 19 13-0047	LF			Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....6.17 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	0.44 0.74 5.50	
02 83 19 13-0048	LF			>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....9.91 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	0.63 1.02 6.44	
02 83 19 13-0049	LF			>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....17.71 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	1.10 1.79 10.97	
02 83 19 13-0050	LF			>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....24.28 <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	1.48 2.38 13.93	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0051	LF		>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	43.54	
			For 0.025" (25 mil) Application, Add	2.57	
			For 0.03" (30 mil) Application, Add	4.10	
			For 0.125" (125 mil) Application, Add	22.71	
02 83 19 13-0052	SF		>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	13.00	
			For 0.025" (25 mil) Application, Add	0.74	
			For 0.03" (30 mil) Application, Add	1.17	
			For 0.125" (125 mil) Application, Add	6.07	
02 83 19 13-0053	EA		Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material.....	258.55	
			For 0.025" (25 mil) Application, Add	14.20	
			For 0.03" (30 mil) Application, Add	22.09	
02 83 19 13-0054	SF		Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	18.12	
			For 0.025" (25 mil) Application, Add	1.40	
			For 0.03" (30 mil) Application, Add	2.40	
02 83 19 13-0055	SF		Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	19.84	
			For 0.025" (25 mil) Application, Add	1.48	
			For 0.03" (30 mil) Application, Add	2.53	
02 83 19 13-0056	SF		Siding, Chemical Stripping Of Lead Contaminated Material	10.34	
			For 0.025" (25 mil) Application, Add	0.74	
			For 0.03" (30 mil) Application, Add	1.24	
			For 0.125" (125 mil) Application, Add	9.13	
02 83 19 13-0057	SF		Soffit, Chemical Stripping Of Lead Contaminated Material	21.66	
			For 0.025" (25 mil) Application, Add	1.26	
			For 0.03" (30 mil) Application, Add	2.00	
			For 0.125" (125 mil) Application, Add	10.70	
02 83 19 13-0058	SF		Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	9.97	
			For 0.025" (25 mil) Application, Add	0.67	
			For 0.03" (30 mil) Application, Add	1.12	
			For 0.125" (125 mil) Application, Add	7.77	
02 83 19 13-0059	SF		Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	11.32	
			For 0.025" (25 mil) Application, Add	0.74	
			For 0.03" (30 mil) Application, Add	1.22	
			For 0.125" (125 mil) Application, Add	8.11	
02 83 19 13-0060	SF		Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material	11.29	
			For 0.025" (25 mil) Application, Add	0.74	
			For 0.03" (30 mil) Application, Add	1.22	
			For 0.125" (125 mil) Application, Add	8.10	
02 83 19 13-0061	SF		Steel Trusses, Chemical Stripping Of Lead Contaminated Material	15.99	
			For 0.025" (25 mil) Application, Add	0.98	
			For 0.03" (30 mil) Application, Add	1.57	
			For 0.125" (125 mil) Application, Add	9.28	
02 83 19 13-0062	SF		Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	11.29	
			For 0.025" (25 mil) Application, Add	0.74	
			For 0.03" (30 mil) Application, Add	1.22	
			For 0.125" (125 mil) Application, Add	8.10	
02 83 19 13-0063	SF		Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material.....	26.00	
			For 0.025" (25 mil) Application, Add	1.48	
			For 0.03" (30 mil) Application, Add	2.32	
02 83 19 13-0064	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material.....	28.46	
			For 0.025" (25 mil) Application, Add	1.60	
			For 0.03" (30 mil) Application, Add	2.51	
02 83 19 13-0065	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material.....	30.12	
			For 0.025" (25 mil) Application, Add	1.68	
			For 0.03" (30 mil) Application, Add	2.63	
02 83 19 13-0066	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material.....	31.78	
			For 0.025" (25 mil) Application, Add	1.77	
			For 0.03" (30 mil) Application, Add	2.76	
02 83 19 13-0067	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material.....	33.44	
			For 0.025" (25 mil) Application, Add	1.85	
			For 0.03" (30 mil) Application, Add	2.88	
02 83 19 13-0068	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material.....	35.17	
			For 0.025" (25 mil) Application, Add	1.93	
			For 0.03" (30 mil) Application, Add	3.01	
02 83 19 13-0069	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material.....	36.78	
			For 0.025" (25 mil) Application, Add	2.02	
			For 0.03" (30 mil) Application, Add	3.13	
02 83 19 13-0070	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material.....	37.62	
			For 0.025" (25 mil) Application, Add	2.06	
			For 0.03" (30 mil) Application, Add	3.20	
02 83 19 13-0071	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material.....	38.47	
			For 0.025" (25 mil) Application, Add	2.10	
			For 0.03" (30 mil) Application, Add	3.26	
02 83 19 13-0072	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material.....	39.27	
			For 0.025" (25 mil) Application, Add	2.14	
			For 0.03" (30 mil) Application, Add	3.32	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83	19	13-0073	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	51.89 2.94 4.64 23.47	
02 83	19	13-0074	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	9.02 0.58 0.96 6.22	
02 83	19	13-0075	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing. <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	26.38 1.58 2.54 14.46	
02 83	19	13-0076	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material <i>For 0.025" (25 mil) Application, Add</i> <i>For 0.03" (30 mil) Application, Add</i> <i>For 0.125" (125 mil) Application, Add</i>	28.84 1.66 2.63 13.75	

02 83 19 13-0077

Demolish Lead Contaminated Material (02 83 19 13)

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

02 83 19 13-0078	SF	Demolish Ceiling Suspension System, Lead Contaminated Material	2.28
02 83 19 13-0079	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.32
02 83 19 13-0080	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.85
02 83 19 13-0081	SF	Demolish Metal Pan Grid System, Lead Contaminated Material	1.32
02 83 19 13-0082	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	63.62
02 83 19 13-0083	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	84.39
02 83 19 13-0084	SF	Demolish Non Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	9.42
02 83 19 13-0085	SF	Demolish Non Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	5.28
02 83 19 13-0086	SF	Demolish Brick, Lead Contaminated Material	3.97
02 83 19 13-0087	SF	Demolish Concrete Block, Lead Contaminated Material	5.11
02 83 19 13-0088	SF	Demolish Tile, Lead Contaminated Material	3.85
02 83 19 13-0089	SF	Demolish Up To 6" Concrete, Lead Contaminated Material	5.80
02 83 19 13-0090	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	4.52
02 83 19 13-0091	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	6.03
02 83 19 13-0092	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material	6.59
02 83 19 13-0093	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	1.71
02 83 19 13-0094	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	2.15
02 83 19 13-0095	LF	Demolish Base Shoe Molding, Lead Contaminated Material	1.40
02 83 19 13-0096	SF	Demolish Concrete, Lead Contaminated Material	13.12
02 83 19 13-0097	LF	Demolish Cabinets, Lead Contaminated Material	30.57
02 83 19 13-0098	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	1.74
02 83 19 13-0099	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	16.93
02 83 19 13-0100	SF	Demolish Cornice, Lead Contaminated Material	2.25
02 83 19 13-0101	EA	Demolish Doors, Lead Contaminated Material	66.31
02 83 19 13-0102	LF	Demolish Door And Window Trim Or Frames, Lead Contaminated Material	2.02
02 83 19 13-0103	EA	Demolish Electrical Devices, Lead Contaminated Material	20.35
02 83 19 13-0104	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material	2.61
02 83 19 13-0105	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	4.34
02 83 19 13-0106	SF	Demolish Wood Floors, Lead Contaminated Material	3.13
02 83 19 13-0107	SF	Demolish Grilles, Lead Contaminated Material	3.68
02 83 19 13-0108	EA	Demolish Hinges, Lead Contaminated Material	7.40
02 83 19 13-0109	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	15.89
02 83 19 13-0110	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	6.52
02 83 19 13-0111	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	9.50
02 83 19 13-0112	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	14.36
02 83 19 13-0113	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	26.50
02 83 19 13-0114	EA	Demolish Radiators, Lead Contaminated Material	114.45
02 83 19 13-0115	EA	Demolish Shutters, Lead Contaminated Material	44.60
02 83 19 13-0116	SF	Demolish Siding, Lead Contaminated Material	1.77
02 83 19 13-0117	SF	Demolish Soffit, Lead Contaminated Material	1.50
02 83 19 13-0118	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	4.13
02 83 19 13-0119	SF	Demolish Steel Beams, Lead Contaminated Material	4.86
02 83 19 13-0120	SF	Demolish Trusses, Lead Contaminated Material	6.37
02 83 19 13-0121	SF	Demolish Walls, Wood, Lead Contaminated Material	4.71
02 83 19 13-0122	SF	Demolish Windows, Lead Contaminated Material	15.83
02 83 19 13-0123	SF	Demolish Metal Stair, Lead Contaminated Material	7.58
02 83 19 13-0124	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	5.57
02 83 19 13-0125	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	9.09
02 83 19 13-0126	SF	Demolish Metal Picket Fence, Lead Contaminated Material	2.51
02 83 19 13-0127	SF	Demolish Plywood, Lead Contaminated Material	6.85
02 83 19 13-0128	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	3.34
02 83 19 13-0129	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	20.89
02 83 19 13-0130	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	4.56
02 83 19 13-0131	LF	Demolish Metal Guard Rails, Lead Contaminated Material	12.53
02 83 19 13-0132	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material	6.69
02 83 19 13-0133	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material	4.80
02 83 19 13-0134	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material	3.76
02 83 19 13-0135	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material	2.92
02 83 19 13-0136	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material	20.89

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0137	SF		Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material	14.86	
02 83 19 13-0138	SF		Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material	11.14	
02 83 19 13-0139	SF		Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material	8.36	
02 83 19 13-0140			Wet Sanding/Scraping Of Lead Contaminated Material (02 83 19 13)		
			Note: Remove loose, flaking lead-based paint to prepare for painting		
02 83 19 13-0141	SF		Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting	3.19	
02 83 19 13-0142			Lead Abatement Encapsulation (02 83 19 13)		
			Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0143	SF		Balustrades, Lead Abatement Encapsulation	5.82	
02 83 19 13-0144	LF		Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	5.73	
02 83 19 13-0145	LF		>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	7.80	
02 83 19 13-0146	SF		Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	3.76	
02 83 19 13-0147	SF		Ornate Cabinets, Lead Abatement Encapsulation	8.41	
02 83 19 13-0148	SF		Simple Design Cabinets, Lead Abatement Encapsulation	6.86	
02 83 19 13-0149	SF		Drywall Ceilings, Lead Abatement Encapsulation	2.38	
02 83 19 13-0150	SF		Wood Ceilings, Lead Abatement Encapsulation	2.88	
02 83 19 13-0151	SF		Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	2.67	
02 83 19 13-0152	SF		Columns, Lead Abatement Encapsulation	4.54	
02 83 19 13-0153	SF		Doors, Lead Abatement Encapsulation	8.61	
02 83 19 13-0154	LF		Up To 2" Electrical Conduit, Lead Abatement Encapsulation	3.80	
02 83 19 13-0155	SF		Picket Fence (Brush), Lead Abatement Encapsulation	2.73	
02 83 19 13-0156	SF		Wood Floors (Roller), Lead Abatement Encapsulation	2.29	
02 83 19 13-0157	SF		Grilles, Vents, Lead Abatement Encapsulation	6.28	
02 83 19 13-0158	LF		Gutters And Downspouts, Lead Abatement Encapsulation	5.82	
02 83 19 13-0159	EA		Hangers, Lead Abatement Encapsulation	49.23	
02 83 19 13-0160	LF		Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	3.54	
02 83 19 13-0161	LF		>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	5.14	
02 83 19 13-0162	LF		>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	7.98	
02 83 19 13-0163	LF		>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	11.77	
02 83 19 13-0164	EA		Radiators, Lead Abatement Encapsulation	128.73	
02 83 19 13-0165	EA		Up To 6' Shutters, Lead Abatement Encapsulation	183.20	
02 83 19 13-0166	SF		Siding, Lead Abatement Encapsulation	3.25	
02 83 19 13-0167	SF		Up To 12" Soffit, Lead Abatement Encapsulation	4.54	
02 83 19 13-0168	SF		Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	3.76	
02 83 19 13-0169	SF		Steel Beams And Metal Decks, Lead Abatement Encapsulation	4.90	
02 83 19 13-0170	SF		Trusses, Lead Abatement Encapsulation	4.90	
02 83 19 13-0171	SF		Drywall Walls, Lead Abatement Encapsulation	2.12	
02 83 19 13-0172	SF		Wood Walls, Lead Abatement Encapsulation	2.61	
02 83 19 13-0173	EA		Window Without Grille, Lead Abatement Encapsulation	109.27	
02 83 19 13-0174	EA		Window With Grille, Lead Abatement Encapsulation	140.36	
02 83 19 13-0175	LF		Wood Door Frames And Trim, Lead Abatement Encapsulation	3.31	
02 83 19 13-0176	LF		Steel Lintels, Lead Abatement Encapsulation	3.82	
02 83 33			Removal and Disposal of Material Containing Lead (02 83)		
02 83 33 13			Lead-Based Paint Removal and Disposal (02 83 33)		
02 83 33 13-0001			Remove Loose Dirt And Debris Containing Lead (02 83 33 13)		
02 83 33 13-0002	SF		High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent	0.27	
02 83 33 13-0003	SF		High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.27	
02 83 33 13-0004	SF		High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting	1.32	
02 84			Polychlorinated Biphenyl Remediation (02 80)		
02 84 16			Handling of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)		
02 84 16 00-0001			Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)		
			Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.		
02 84 16 00-0002	EA		Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling	11.85	
02 84 16 00-0003			Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)		
			Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004	EA		Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	1.69	
02 84 16 00-0005	EA		Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	2.54	
02 84 16 00-0006	EA		Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	7.91	
02 84 16 00-0007	EA		Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	18.07	



Existing Conditions	02	02
Facility Remediation	02 80	
Polychlorinated Biphenyl Remediation	02 84	

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

02 84 16 00-0008	Disposal Of Leaking PCB And Non-PCB Ballasts <small>(02 84 16)</small> Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.	
02 84 16 00-0009	EA Disposal Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	4.24
02 84 16 00-0010	EA Disposal Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	6.35
02 84 16 00-0011	EA Disposal Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	11.86
02 84 16 00-0012	EA Disposal Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	27.11

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

02 84 33 00-0001	Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers <small>(02 84 33)</small> Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.	
02 84 33 00-0002	EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Non Polychlorinated Biphenyl (PCB)	3,173.07
02 84 33 00-0003	EA Removal And Disposal Of Transformers 20 KVA, Non Polychlorinated Biphenyl (PCB)	4,941.72
02 84 33 00-0004	EA Removal And Disposal Of Switch, Non Polychlorinated Biphenyl (PCB)	1,467.57
02 84 33 00-0005	EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB)	5,839.30
02 84 33 00-0006	EA Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB)	2,525.35
02 84 33 00-0007	EA Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB)	9,140.03

02 87 Bio-Hazard Material Remediation (02 80)

02 87 13 Mold Remediation (02 87)

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.

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

02 87 13 33-0001	Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal <small>(02 87 13 33)</small> Note: Treat fittings as additional lf of insulation.	
02 87 13 33-0002	Pipe Insulation, Mold Abatement And Disposal <small>(02 87 13 33-0001)</small> Note: Diameter is outer size of insulation.	
02 87 13 33-0003	Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal <small>(02 87 13 33-0002)</small> Note: Excludes encased fittings.	
02 87 13 33-0004	SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	636.01
02 87 13 33-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.84
02 87 13 33-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	18.90
02 87 13 33-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	14.43
02 87 13 33-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	11.10
02 87 13 33-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	9.79
02 87 13 33-0010	>6" Diameter Pipe Insulation, Mold Abatement And Disposal <small>(02 87 13 33-0002)</small>	
02 87 13 33-0011	SET Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	700.05
02 87 13 33-0012	LF >20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	31.60
02 87 13 33-0013	LF >250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.77
02 87 13 33-0014	LF >500 To 2,500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	19.64
02 87 13 33-0015	LF >2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.80
02 87 13 33-0016	LF >10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	14.30
02 87 13 33-0017	Thermal Insulation, Mold Abatement And Disposal <small>(02 87 13 33)</small>	
02 87 13 33-0018	Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal <small>(02 87 13 33-0017)</small>	
02 87 13 33-0019	SET Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	668.03
02 87 13 33-0020	SF >50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	14.73
02 87 13 33-0021	SF >500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	11.31
02 87 13 33-0022	SF >2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	8.75
02 87 13 33-0023	SF >10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	6.96
02 87 13 33-0024	Surfacing Material, Mold Abatement And Disposal <small>(02 87 13 33)</small> Note: e.g. fireproofing, acoustical plaster, etc.	
02 87 13 33-0025	Stucco, Mold Abatement And Disposal <small>(02 87 13 33-0024)</small> Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 87 13 33-0026	SET Up To 50 SF, Stucco, Mold Abatement And Disposal	650.25
02 87 13 33-0027	SF >50 To 500 SF, Stucco, Mold Abatement And Disposal	14.37

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0028 SF >500 To 2,500 SF, Stucco, Mold Abatement And Disposal	10.95	
02 87 13 33-0029 SF >2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	8.39	
02 87 13 33-0030 SF >10,000 SF, Stucco, Mold Abatement And Disposal	6.49	
02 87 13 33-0031 Acoustical Plaster, Mold Abatement And Disposal (02 87 13 33-0024)		
Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0032 SET Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	650.25	
02 87 13 33-0033 SF >50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	14.37	
02 87 13 33-0034 SF >500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	10.95	
02 87 13 33-0035 SF >2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	8.39	
02 87 13 33-0036 SF >10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	6.49	
02 87 13 33-0037 Gypsum Board, Mold Abatement And Disposal (02 87 13 33-0024)		
02 87 13 33-0038 SET Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	685.83	
02 87 13 33-0039 SF >100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	5.13	
02 87 13 33-0040 SF >500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	4.17	
02 87 13 33-0041 SF >2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	3.39	
02 87 13 33-0042 SF >10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.63	
02 87 13 33-0043 Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024)		
Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0044 SET Up To 50 SF, Fireproofing, Mold Abatement And Disposal	668.03	
02 87 13 33-0045 SF >50 To 500 SF, Fireproofing, Mold Abatement And Disposal	19.89	
02 87 13 33-0046 SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	15.21	
02 87 13 33-0047 SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	11.67	
02 87 13 33-0048 SF >10,000 SF, Fireproofing, Mold Abatement And Disposal	9.02	
02 87 13 33-0049 Flooring, Mold Abatement And Disposal (02 87 13 33)		
Note: Includes cove base.		
02 87 13 33-0050 Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0051 Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0050)		
Note: Single layer or first of multiple layers.		
02 87 13 33-0052 SET Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	685.83	
02 87 13 33-0053 SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	5.10	
For Each Additional Layer, Add	1.28	
02 87 13 33-0054 SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.08	
For Each Additional Layer, Add	0.77	
02 87 13 33-0055 SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.99	
For Each Additional Layer, Add	0.50	
02 87 13 33-0056 SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.66	
For Each Additional Layer, Add	0.42	
02 87 13 33-0057 Carpet, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0058 Carpet, Glue Down, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0059 SET Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	685.83	
02 87 13 33-0060 SF >100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	4.32	
02 87 13 33-0061 SF >500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.90	
02 87 13 33-0062 SF >2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.11	
02 87 13 33-0063 SF >10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.74	
02 87 13 33-0064 Carpet, Padded With Tack Strips, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0065 SET Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	685.83	
Note: Includes tack strips.		
02 87 13 33-0066 SF >100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal	4.81	
Note: Includes tack strips.		
02 87 13 33-0067 SF >500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal	3.63	
Note: Includes tack strips.		
02 87 13 33-0068 SF >2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal	2.99	
Note: Includes tack strips.		
02 87 13 33-0069 SF >10,000 SF, Carpet And Pad, Mold Abatement And Disposal	2.42	
Note: Includes tack strips.		
02 87 13 33-0070 Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0071 SET Up To 75 SF, Subflooring, Mold Abatement And Disposal	668.03	
02 87 13 33-0072 SF >75 To 500 SF, Subflooring, Mold Abatement And Disposal	5.79	
02 87 13 33-0073 SF >500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	3.88	
02 87 13 33-0074 SF >2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	2.54	
02 87 13 33-0075 SF >10,000 SF, Subflooring, Mold Abatement And Disposal	1.81	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0076				Siding, Mold Abatement And Disposal <small>(02 87 13 33)</small>		
02 87 13 33-0077				Interior Paneling, Mold Abatement And Disposal <small>(02 87 13 33-0076)</small> Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SET			Up To 100 SF, Interior Paneling, Mold Abatement And Disposal 685.83 Note: Includes detachment of mounted objects before removal.	685.83	
02 87 13 33-0079	SF			>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal 5.08 Note: Includes detachment of mounted objects before removal.	5.08	
02 87 13 33-0080	SF			>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal 3.72 Note: Includes detachment of mounted objects before removal.	3.72	
02 87 13 33-0081	SF			>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal 2.38 Note: Includes detachment of mounted objects before removal.	2.38	
02 87 13 33-0082	SF			>10,000 SF, Interior Paneling, Mold Abatement And Disposal 1.94 Note: Includes detachment of mounted objects before removal.	1.94	
02 87 13 33-0083				Exterior Siding, Mold Abatement And Disposal <small>(02 87 13 33-0076)</small>		
02 87 13 33-0084	SET			Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal 685.83	685.83	
02 87 13 33-0085	SF			>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal 6.20	6.20	
02 87 13 33-0086	SF			>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal 4.46	4.46	
02 87 13 33-0087	SF			>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal 3.16	3.16	
02 87 13 33-0088	SF			>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal 2.90	2.90	
02 87 13 33-0089				Contaminated Debris, Mold Abatement And Disposal <small>(02 87 13 33)</small>		
02 87 13 33-0090				Contaminated Debris, Mold Abatement And Disposal <small>(02 87 13 33-0089)</small>		
02 87 13 33-0091	SET			Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal 700.05	700.05	
02 87 13 33-0092	CF			>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal 25.53	25.53	
02 87 13 33-0093	CF			>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal 18.44	18.44	
02 87 13 33-0094	CF			>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal 14.90	14.90	
02 87 13 33-0095	CF			>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal 12.77	12.77	
02 87 13 33-0096	CF			>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal 8.92	8.92	
02 87 13 33-0097	CF			>10,000 CF, Contaminated Debris, Mold Abatement And Disposal 8.45	8.45	
02 87 13 33-0098				Other Mold Containing Materials, Mold Abatement And Disposal <small>(02 87 13 33)</small>		
02 87 13 33-0099				Wood Studs, Mold Abatement And Disposal <small>(02 87 13 33-0098)</small> Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	SET			Up To 100 LF, Wood Studs, Mold Abatement And Disposal 342.90	342.90	
02 87 13 33-0101	LF			>100 To 500 LF, Wood Studs, Mold Abatement And Disposal 2.84	2.84	
02 87 13 33-0102	LF			>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal 2.17	2.17	
02 87 13 33-0103	LF			>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal 1.76	1.76	
02 87 13 33-0104	LF			>10,000 LF, Wood Studs, Mold Abatement And Disposal 1.39	1.39	
02 87 13 33-0105				Ceiling Tile, Mold Abatement And Disposal <small>(02 87 13 33-0098)</small> Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SET			Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal 685.83	685.83	
02 87 13 33-0107	SF			>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal 8.39	8.39	
02 87 13 33-0108	SF			>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal 4.21	4.21	
02 87 13 33-0109	SF			>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal 3.16	3.16	
02 87 13 33-0110	SF			>10,000 SF, Ceiling Tile, Mold Abatement And Disposal 2.90	2.90	
02 87 13 33-0111				Caulking, Mold Abatement And Disposal <small>(02 87 13 33-0098)</small>		
02 87 13 33-0112	SET			Up To 20 LF, Caulking, Mold Abatement And Disposal 154.85	154.85	
02 87 13 33-0113	LF			>20 To 50 LF, Caulking, Mold Abatement And Disposal 3.14	3.14	
02 87 13 33-0114	LF			>50 To 100 LF, Caulking, Mold Abatement And Disposal 2.25	2.25	
02 87 13 33-0115	LF			>100 To 250 LF, Caulking, Mold Abatement And Disposal 1.72	1.72	
02 87 13 33-0116	LF			>250 To 1,000 LF, Caulking, Mold Abatement And Disposal 1.29	1.29	
02 87 13 33-0117	LF			>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal 1.05	1.05	
02 87 13 33-0118	LF			>2,500 LF, Caulking, Mold Abatement And Disposal 0.91	0.91	
02 87 13 33-0119				Wipe Down Walls, Ceilings And Floors <small>(02 87 13 33-0098)</small>		
02 87 13 33-0120	CSF			Wipe Down Floors With Mild Bleach Solution 17.09 For >25 To 50, Deduct -1.71 For >50 To 200, Deduct -4.27 For >200, Deduct -6.83	17.09	
02 87 13 33-0121	CSF			Wipe Down Walls With Mild Bleach Solution 20.10 For >25 To 50, Deduct -2.01 For >50 To 200, Deduct -5.02 For >200, Deduct -8.03	20.10	
02 87 13 33-0122	CSF			Wipe Down Ceilings With Mild Bleach Solution 22.87 For >25 To 50, Deduct -2.29 For >50 To 200, Deduct -5.71 For >200, Deduct -9.14	22.87	
02 87 13 33-0123	CSF			Wipe Down Countertops With Mild Bleach Solution 18.64 For >25 To 50, Deduct -1.86	18.64	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0124 CSF Wipe Down Other Surfaces With Mild Bleach Solution.....	23.66	
For >25 To 50, Deduct	-2.36	
For >50 To 200, Deduct	-5.91	
For >200, Deduct	-9.46	
02 87 13 33-0125 Cabinets (02 87 13 33-0098)		
02 87 13 33-0126 SET Up To 10 LF, Base Cabinet, Mold Abatement And Disposal	845.15	
02 87 13 33-0127 LF >10 To 20 LF, Base Cabinet, Mold Abatement And Disposal	88.19	
02 87 13 33-0128 LF >20 LF, Base Cabinet, Mold Abatement And Disposal	69.78	
02 87 13 33-0129 SET Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal.....	717.08	
02 87 13 33-0130 LF >10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal	68.03	
02 87 13 33-0131 LF >20 LF, Wall Cabinet, Mold Abatement And Disposal	49.63	
02 87 16 Excrement Removal (02 87)		
Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.		
02 87 16 13 Bird Excrement Removal (02 87 16)		
02 87 16 13-0001 Bird Waste Removal (02 87 16 13)		
Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002 EA Up To 10 SF Bird Waste Removal, Up To 3" Thickness.....	614.67	
For Work In Restricted Working Space, Add	184.40	
02 87 16 13-0003 SF >10 To 500 SF Bird Waste Removal, Up To 3" Thickness.....	10.24	
For Work In Restricted Working Space, Add	3.07	
02 87 16 13-0004 SF >500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness.....	9.32	
For Work In Restricted Working Space, Add	2.80	
02 87 16 13-0005 SF >2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness.....	8.47	
For Work In Restricted Working Space, Add	2.54	
02 87 16 13-0006 SF >10,000 SF Bird Waste Removal, Up To 3" Thickness.....	7.70	
For Work In Restricted Working Space, Add	2.31	
02 87 19 Bio-Hazard and Infectious Disease Control Remediation (02 87)		
02 87 19 00-0001 Temporary Barriers (02 87 19)		
02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)		
Note: Panels are opal or transparent. Includes self leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.		
02 87 19 00-0003 EA 4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	996.20	
02 87 19 00-0004 EA 3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	945.75	
02 87 19 00-0005 EA 2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	743.94	
02 87 19 00-0006 EA 2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	861.66	
02 87 19 00-0007 EA 6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	456.06	
02 87 19 00-0008 EA 12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	489.69	
02 87 19 00-0009 EA 3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010).....	1,525.93	
Note: Includes a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0010 EA 4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,694.10	
Note: Includes a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0011 EA 4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)	2,030.44	
Note: Includes a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0012 EA 7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	334.49	
02 87 19 00-0013 EA 7'-8" To 10' High, Outside Corner Post (Edge Guard 4007).....	275.64	
02 87 19 00-0014 EA 7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	275.64	
02 87 19 00-0015 EA Closure Strips (Edge Guard 3003).....	18.60	
Note: To seal panels to existing walls		
02 87 19 00-0016 EA Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	468.31	
02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)		
Note: Includes removal and disposal in approved landfill after use.		
02 87 19 00-0018 SF 6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.57	
02 87 19 00-0019 SF 6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control.....	0.76	
02 87 19 00-0020 SF 6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control.....	1.02	
02 87 19 00-0021 SF 6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.68	
02 87 19 00-0022 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.87	
02 87 19 00-0023 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.13	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0024 Temporary Floor Protection For Bio-Hazard And Infectious Disease Control <small>(02 87 19 00-0001)</small> Note: Includes removal after use.		
02 87 19 00-0025 SF 1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	1.87	
02 87 19 00-0026 SF 1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	1.93	
02 87 19 00-0027 SF 3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	2.26	
02 87 19 00-0028 Temporary Stud Wall For Bio-Hazard And Infectious Disease Control <small>(02 87 19 00-0001)</small> Note: Includes removal after use.		
02 87 19 00-0029 SF 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.48	
02 87 19 00-0030 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	8.85	
02 87 19 00-0031 SF 5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.61	
02 87 19 00-0032 SF 5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	9.12	
02 87 19 00-0033 SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	3.88	
02 87 19 00-0034 Isolation Barriers For Bio-Hazard And Infectious Disease Control <small>(02 87 19 00-0001)</small>		
02 87 19 00-0035 GSF Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control	25.50	
Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.		
02 87 19 00-0036 GSF Relocate Tent Construction To Different Area	2.92	
02 87 19 00-0037 Plexiglass Barriers For Bio-Hazard And Infectious Disease Control <small>(02 87 19 00-0001)</small>		
02 87 19 00-0038 SF 3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	21.69	
02 87 19 00-0039 SF 1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	25.62	
02 87 19 00-0040 SF 3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	36.07	
02 87 19 00-0041 PR Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control	1,427.61	
Note: Excludes gloves.		
02 87 19 00-0042 PR Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control	511.69	
Note: For installation in glove iris port.		
02 87 19 00-0043 PR Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	815.71	
Note: For installation in glove iris port.		
02 87 19 00-0044 EA 5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease.....	149.00	
Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).		
02 87 19 00-0045 Temporary Portable And Mobile Trailers <small>(02 87 19)</small>		
02 87 19 00-0046 Trailer Delivery <small>(02 87 19 00-0045)</small>		
02 87 19 00-0047 EA Deliver Trailer Within 25 Miles	1,207.10	
02 87 19 00-0048 Portable And Mobile Trailers, Purchase <small>(02 87 19 00-0045)</small>		
Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049 EA 8' x 24' Mobile Trailer With Toilet, Purchase	12,533.08	
For Tie-Downs, Add		
	124.53	
02 87 19 00-0050 EA 8' x 32' Mobile Trailer With Toilet, Purchase	17,704.60	
For Tie-Downs, Add		
	124.53	
02 87 19 00-0051 EA 10' x 36' Mobile Trailer With Toilet, Purchase	25,259.16	
For Tie-Downs, Add		
	124.53	
02 87 19 00-0052 EA 10' x 44' Mobile Trailer With Toilet, Purchase	31,561.71	
For Tie-Downs, Add		
	124.53	
02 87 19 00-0053 EA 10' x 50' Mobile Trailer With Toilet, Purchase	35,881.96	
For Tie-Downs, Add		
	124.53	
02 87 19 00-0054 EA 12' x 50' Mobile Trailer With Toilet, Purchase	37,723.64	
For Tie-Downs, Add		
	124.53	
02 87 19 00-0055 EA 12' x 60' Mobile Trailer With Toilet, Purchase	41,974.92	
For Tie-Downs, Add		
	124.53	
02 87 19 00-0056 Accessories For Portable And Mobile Trailers <small>(02 87 19 00-0045)</small>		
02 87 19 00-0057 Skirting <small>(02 87 19 00-0056)</small> Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058 SF 1'-8" High Vinyl Covered Skirt.....	5.27	2.07
02 87 19 00-0059 SF 3' High Vinyl Covered Skirt	7.72	3.42
02 87 19 00-0060 Aluminum Modular Access Ramp <small>(02 87 19 00-0056)</small> Note: Includes picketed guardrails, inside grabrails, legs and hardware.		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0061 EA Up To 35" High, Aluminum Modular Access Ramp.....	3,664.75	39.67
02 87 19 00-0062 Aluminum Modular Stairs <small>(02 87 19 00-0056)</small> Note: Excludes earthwork		
02 87 19 00-0063 EA Aluminum Steps For Mobile Trailers.....	1,013.20	
02 87 19 00-0064 Decontamination Chambers For Bio-Hazard And Infectious Disease Control <small>(02 87 19)</small> Note: Includes removal after use.		
02 87 19 00-0065 EA Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control	980.66	
Note: Includes connection to negative air system.		
02 87 19 00-0066 EA Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control	1,156.02	
Note: Includes connection to negative air system.		
02 87 19 00-0067 EA Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control.....	599.93	
Note: Includes connection to negative air system.		
02 87 19 00-0068 Bio-Hazard And Infectious Disease Control Cleaning, Level 2 <small>(02 87 19)</small> Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
02 87 19 00-0069 Bio-Hazard And Infectious Disease Control Cleaning Mobilization <small>(02 87 19 00-0068)</small>		
02 87 19 00-0070 EA Bio-Hazard And Infectious Disease Control Mobilization And Set-Up.....	383.58	
Note: Mobilization and set-up minimum for each site location.		
02 87 19 00-0071 Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces <small>(02 87 19 00-0068)</small> Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		
02 87 19 00-0072 CSF Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	28.44	
For >25 To 50, Deduct	-2.84	
For >50 To 200, Deduct	-5.68	
For >200, Deduct	-8.52	
For Cleaning Surfaces With Goldshield® GS5, Add	14.01	
For Level 1 Biohazard Cleaning, Deduct	-5.68	
For Level 3 Biohazard Cleaning, Add	9.38	
02 87 19 00-0073 CSF Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	33.46	
For >25 To 50, Deduct	-3.34	
For >50 To 200, Deduct	-6.69	
For >200, Deduct	-10.03	
For Cleaning Surfaces With Goldshield® GS5, Add	14.01	
For Level 1 Biohazard Cleaning, Deduct	-6.69	
For Level 3 Biohazard Cleaning, Add	11.03	
02 87 19 00-0074 CSF Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	38.06	
For >25 To 50, Deduct	-3.80	
For >50 To 200, Deduct	-7.61	
For >200, Deduct	-11.41	
For Cleaning Surfaces With Goldshield® GS5, Add	14.01	
For Level 1 Biohazard Cleaning, Deduct	-7.61	
For Level 3 Biohazard Cleaning, Add	12.55	
02 87 19 00-0075 CSF Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	31.02	
For Cleaning Surfaces With Goldshield® GS5, Add	14.01	
For >5 To 10, Deduct	-1.55	
For >10 To 50, Deduct	-3.10	
For >50, Deduct	-6.20	
For Level 1 Biohazard Cleaning, Deduct	-6.20	
For Level 3 Biohazard Cleaning, Add	10.23	
02 87 19 00-0076 CSF Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	39.37	
For >25 To 50, Deduct	-3.93	
For >50 To 200, Deduct	-7.87	
For >200, Deduct	-11.80	
For Cleaning Surfaces With Goldshield® GS5, Add	14.01	
For Level 1 Biohazard Cleaning, Deduct	-7.87	
For Level 3 Biohazard Cleaning, Add	12.98	
02 87 19 00-0077 Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials <small>(02 87 19 00-0068)</small> Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect		
02 87 19 00-0078 EA Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	73.50	
For Level 1 Biohazard Cleaning, Deduct	-14.69	
For Level 3 Biohazard Cleaning, Add	24.25	
For Cleaning Surfaces With Goldshield® GS5, Add	7.00	
02 87 19 00-0079 EA Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	33.73	
For Level 1 Biohazard Cleaning, Deduct	-6.74	
For Level 3 Biohazard Cleaning, Add	11.12	
For Cleaning Surfaces With Goldshield® GS5, Add	4.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0080 EA Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	118.41	
For Level 1 Biohazard Cleaning, Deduct	-23.68	
For Level 3 Biohazard Cleaning, Add	39.07	
For Cleaning Surfaces With Goldshield® GS5, Add	7.00	
02 87 19 00-0081 EA Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	7.31	
For Level 1 Biohazard Cleaning, Deduct	-1.46	
For Level 3 Biohazard Cleaning, Add	2.40	
For Cleaning Surfaces With Goldshield® GS5, Add	1.40	
02 87 19 00-0082 EA Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up.....	109.16	
Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers		
For Level 1 Biohazard Cleaning, Deduct	-21.83	
For Level 3 Biohazard Cleaning, Add	36.01	
For Cleaning Surfaces With Goldshield® GS5, Add	7.00	
02 87 19 00-0083 EA Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up.....	11.67	
For Level 1 Biohazard Cleaning, Deduct	-2.33	
For Level 3 Biohazard Cleaning, Add	3.84	
For Cleaning Surfaces With Goldshield® GS5, Add	1.40	
02 87 19 00-0084 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork (02 87 19 00-0068)		
02 87 19 00-0085 LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	4.29	
For Level 1 Biohazard Cleaning, Deduct	-0.85	
For Level 3 Biohazard Cleaning, Add	1.41	
02 87 19 00-0086 LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	5.39	
For Level 1 Biohazard Cleaning, Deduct	-1.07	
For Level 3 Biohazard Cleaning, Add	1.76	
02 87 19 00-0087 LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	7.22	
For Level 1 Biohazard Cleaning, Deduct	-1.42	
For Level 3 Biohazard Cleaning, Add	2.34	
02 87 19 00-0088 LF >8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	10.22	
For Level 1 Biohazard Cleaning, Deduct	-2.00	
For Level 3 Biohazard Cleaning, Add	3.30	
02 87 19 00-0089 EA Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	191.82	
For Level 1 Biohazard Cleaning, Deduct	-38.36	
For Level 3 Biohazard Cleaning, Add	63.29	
02 87 19 00-0090 SF Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	13.35	
For Level 1 Biohazard Cleaning, Deduct	-2.66	
For Level 3 Biohazard Cleaning, Add	4.40	
02 87 19 00-0091 EA Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	127.89	
For Level 1 Biohazard Cleaning, Deduct	-25.57	
For Level 3 Biohazard Cleaning, Add	42.19	
02 87 19 00-0092 EA Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	383.61	
For Level 1 Biohazard Cleaning, Deduct	-76.72	
For Level 3 Biohazard Cleaning, Add	126.58	
02 87 19 00-0093 EA Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning	31.99	
Note: Includes removal and reinstallation.		
For Level 1 Biohazard Cleaning, Deduct	-6.39	
For Level 3 Biohazard Cleaning, Add	10.55	
02 87 19 00-0094 SF Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.57	
For Level 1 Biohazard Cleaning, Deduct	-0.10	
For Level 3 Biohazard Cleaning, Add	0.17	
02 87 19 00-0095 SF Apply Goldshield® GS5 Antimicrobial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....	0.65	
For Level 1 Biohazard Cleaning, Deduct	-0.10	
For Level 3 Biohazard Cleaning, Add	0.17	
02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental (02 87 19)		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0097 DAY Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	133.93	
02 87 19 00-0098 WK Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	570.46	
02 87 19 00-0099 MO Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	1,597.28	
02 87 19 00-0100 DAY Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	150.09	
02 87 19 00-0101 WK Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	412.75	
02 87 19 00-0102 MO Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	1,125.69	
02 87 19 00-0103 DAY Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	47.49	
02 87 19 00-0104 WK Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	130.59	
02 87 19 00-0105 MO Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	356.15	
02 87 19 00-0106 DAY Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	81.38	
02 87 19 00-0107 WK Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	334.24	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0108 MO Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	1,009.97	
02 87 19 00-0109 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Required if over 800 hours operation.	163.70	
02 87 19 00-0110 DAY 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	474.39	
02 87 19 00-0111 WK 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	948.78	
02 87 19 00-0112 MO 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,897.56	
02 87 19 00-0113 DAY 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	632.52	
02 87 19 00-0114 WK 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,265.04	
02 87 19 00-0115 MO 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	2,530.08	
02 87 19 00-0116 DAY 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	942.42	
02 87 19 00-0117 WK 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,884.85	
02 87 19 00-0118 MO 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	3,769.70	
02 87 19 00-0119 DAY 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,256.57	
02 87 19 00-0120 WK 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	2,513.13	
02 87 19 00-0121 MO 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	5,026.26	
02 87 19 00-0122 DAY 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,570.71	
02 87 19 00-0123 WK 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	3,141.42	
02 87 19 00-0124 MO 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	6,282.83	
02 87 19 00-0125 EA Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	116.92	
Note: Includes staking down tent.		
02 87 19 00-0126 EA Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	233.82	
Note: Includes staking down tent.		
02 87 19 00-0127 EA Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	701.46	
Note: Includes staking down tent.		
02 87 19 00-0128 EA Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,402.93	
Note: Includes staking down tent.		
02 87 19 00-0129 EA Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	2,338.21	
Note: Includes staking down tent.		
02 87 19 00-0130 DAY Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	103.73	
02 87 19 00-0131 WK Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	285.27	
02 87 19 00-0132 MO Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	778.00	
02 87 19 00-0133 Bio-Hazard And Infectious Disease Control Hauling By Truck ^(02 87 19) Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.		
02 87 19 00-0134 EA Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up	102.33	
Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile	1.28	
02 87 19 00-0135 EA Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up	171.49	
Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile	2.14	
02 87 19 00-0136 EA Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up	177.38	
Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile	2.22	
02 87 19 00-0137 EA Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up	173.83	
Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile	2.17	
02 87 19 00-0138 Bio-Hazard And Infectious Disease Control Disposal ^(02 87 19) Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0139 CY Bio-Hazard And Infectious Disease Control Landfill Dump Fee	115.26	
02 87 19 00-0140 BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters ^(02 87 19) Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.		
02 87 19 00-0141 EA 20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	43,551.47	
02 87 19 00-0142 EA 7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	4,186.76	
02 87 19 00-0143 EA Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	6,927.39	
02 87 19 00-0144 SF Sub Flooring For Medical Shelter (AKS-AB846)	6.46	
02 87 19 00-0145 EA Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	1,901.42	
02 87 19 00-0146 EA Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	31,142.91	
02 87 19 00-0147 EA 3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	1,085.51	
02 87 19 00-0148 EA Negative Pressure Isolation (NPI) System (AK-NPIS-5)	49,018.43	
Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case		
02 87 19 00-0149 EA 6' Step Ladder (AKS-AC595)	295.52	
02 87 19 00-0150 EA 10 Lbs Sledgehammer (AKS-AA268)	89.63	
02 87 19 00-0151 Bio-Hazard And Infectious Disease Time And Material Tasks ^(02 87 19) Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		



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

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

02 87 19 00-0152 Bio-Hazard And Infectious Disease Control Labor (02 87 19 00-0151)
 Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0153	HR	General Laborer For Bio-Hazard And Infectious Disease Control Clean Up.....	102.62
02 87 19 00-0154	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up	143.97
02 87 19 00-0155	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up	101.25
02 87 19 00-0156	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up.....	121.74
02 87 19 00-0157	HR	Project Manager For Bio-Hazard And Infectious Disease Control Clean Up	133.89

02 87 19 00-0158 Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment (02 87 19 00-0151)
 Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0159	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	15.72
02 87 19 00-0160	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	25.79
02 87 19 00-0161	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	16.71
02 87 19 00-0162	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	120.96
02 87 19 00-0163	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	54.92
02 87 19 00-0164	EA	Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	369.05
Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension			
02 87 19 00-0165	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	50.45
Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010			
02 87 19 00-0166	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	91.65
Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.			
02 87 19 00-0167	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	28.49
02 87 19 00-0168	EA	Gloves - Rubber (Heavy Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	24.33
02 87 19 00-0169	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	2,466.80
Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75 Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afi), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly			

02 87 19 00-0170 Bio-Hazard And Infectious Disease Control Expendables (02 87 19 00-0151)
 Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0031 for temporary walls.

02 87 19 00-0171	GAL	Bleach For Bio-Hazard And Infectious Disease Control Clean-up	12.26
02 87 19 00-0172	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up	4.06
02 87 19 00-0173	GAL	Disinfectant/Antimicrobial For Bio-Hazard And Infectious Disease Control Clean Up.....	120.09
02 87 19 00-0174	GAL	Goldshield® GS5 Antimicrobial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up	336.13
Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days			
02 87 19 00-0175	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up.....	12.76
02 87 19 00-0176	EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up	6.01
02 87 19 00-0177	ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up	15.63
02 87 19 00-0178	EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up.....	73.44
02 87 19 00-0179	ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up.....	63.00
02 87 19 00-0180	LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up	9.31
02 87 19 00-0181	EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up.....	18.77
02 87 19 00-0182	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up	193.92

02 89 Hazmat Ancillary Tasks and Support (02 89)

02 89 00 00-0001 Barriers And Protection (02 89)
 Note: Includes removal and disposal after use.

02 89 00 00-0002 Isolation Barriers (02 89 00 00-0001)
 See CSI section 01 56 16 00-0031 for temporary stud walls.

02 89 00 00-0003 Hazmat Containment Construction Plastic Sheeting (02 89 00 00-0001)

02 89 00 00-0004	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.39
02 89 00 00-0005	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.51
02 89 00 00-0006	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.66
02 89 00 00-0007	SF	6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, Hazmat Containment Construction	0.71
02 89 00 00-0008	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction.....	0.89
02 89 00 00-0009	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	1.16

02 89 00 00-0010 Decontamination Chambers (02 89)
 Note: Includes removal after use.

02 Existing Conditions**02 80 Facility Remediation****02 89 Hazmat Ancillary Tasks and Support**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 89 00 00-0011 EA 3 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	994.07	
02 89 00 00-0012 EA 5 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,172.11	
02 89 00 00-0013 EA Portable Waste Decontamination Unit Note: Includes connection to negative air system. For Dismantling And Relocation To A Different Area, Add	610.66 395.30	

02 90 Disaster Recovery ⁽⁰²⁾

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning and Disaster Clean-up ^(02 90)**02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal** ^(02 90 50)

Note: For materials not requiring mold abatement.

02 90 50 00-0002 SY Wet Broadloom Carpet Removal For Disaster Clean-up	25.31
02 90 50 00-0003 SY Wet Carpet Tile Removal For Disaster Clean-up	6.16
02 90 50 00-0004 SF Wet Batt Insulation Removal For Disaster Clean-up	0.51
02 90 50 00-0005 SF Wet Ceiling Tile Removal For Disaster Clean-up	0.62
02 90 50 00-0006 SF Single Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.60
02 90 50 00-0007 SF Double Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.94

02 90 50 00-0008 Cleaning ^(02 90 50)

Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required

02 90 50 00-0009 Clean Furnishings ^(02 90 50 00-0008)

02 90 50 00-0010 EA Office Equipment, Exterior Wipe For Disaster Clean-up	27.80
For Medium Clean, Add	11.68
For Heavy Clean, Add	36.14
02 90 50 00-0011 SF Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up	1.55
For Medium Clean, Add	0.65
For Heavy Clean, Add	2.02
02 90 50 00-0012 LF Shelving, Light Clean For Disaster Clean-up	2.78
For Medium Clean, Add	1.17
For Heavy Clean, Add	3.61
02 90 50 00-0013 EA Plastic Or Metal Chair, Light Clean For Disaster Clean-up	8.03
For Medium Clean, Add	3.37
For Heavy Clean, Add	10.44
02 90 50 00-0014 EA Upholstered Chair, Light Clean For Disaster Clean-up	25.95
For Medium Clean, Add	10.90
For Heavy Clean, Add	33.74
02 90 50 00-0015 EA Upholstered Sofa, Light Clean For Disaster Clean-up	159.98
For Medium Clean, Add	67.19
For Heavy Clean, Add	207.97
02 90 50 00-0016 EA Desk, Light Clean For Disaster Clean-up	32.74
For Medium Clean, Add	13.75
For Heavy Clean, Add	42.56
02 90 50 00-0017 EA Table, Light Clean For Disaster Clean-up	30.89
For Medium Clean, Add	12.97
For Heavy Clean, Add	40.16
02 90 50 00-0018 EA Two Drawer File Cabinet, Light Clean For Disaster Clean-up	6.77
For Medium Clean, Add	2.84
For Heavy Clean, Add	8.80
02 90 50 00-0019 EA Four Drawer File Cabinet, Light Clean For Disaster Clean-up	8.66
For Medium Clean, Add	3.64
For Heavy Clean, Add	11.26
02 90 50 00-0020 LF Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.11
For Medium Clean, Add	2.99
For Heavy Clean, Add	9.24
02 90 50 00-0021 LF Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	13.90
For Medium Clean, Add	5.84
For Heavy Clean, Add	18.07
02 90 50 00-0022 LF Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.11
For Medium Clean, Add	2.99
For Heavy Clean, Add	9.24
02 90 50 00-0023 LF Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	12.35
For Medium Clean, Add	5.19
For Heavy Clean, Add	16.06
02 90 50 00-0024 EA Picture Frame, Glass And Back, Light Clean For Disaster Clean-up	2.96
For Medium Clean, Add	1.24
For Heavy Clean, Add	3.85

02 90 50 00-0025 Clean Hard Surfaces ^(02 90 50 00-0008)

02 90 50 00-0026 LF Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up	0.40
For Medium Clean, Add	0.17
For Heavy Clean, Add	0.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0027 EA Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.25	
<i>For Medium Clean, Add</i>	2.21	
<i>For Heavy Clean, Add</i>	6.83	
02 90 50 00-0028 EA Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.95	
<i>For Medium Clean, Add</i>	2.50	
<i>For Heavy Clean, Add</i>	7.74	
02 90 50 00-0029 SF Overhead Door, Light Clean For Disaster Clean-up	0.42	
<i>For Medium Clean, Add</i>	0.18	
<i>For Heavy Clean, Add</i>	0.55	
02 90 50 00-0030 SF Mirror, Light Clean For Disaster Clean-up	0.31	
<i>For Medium Clean, Add</i>	0.13	
<i>For Heavy Clean, Add</i>	0.40	
02 90 50 00-0031 SF Window, Light Clean For Disaster Clean-up	0.91	
<i>For Medium Clean, Add</i>	0.38	
<i>For Heavy Clean, Add</i>	1.18	
02 90 50 00-0032 LF Handrail, Light Clean For Disaster Clean-up	0.81	
<i>For Medium Clean, Add</i>	0.34	
<i>For Heavy Clean, Add</i>	1.05	
02 90 50 00-0033 LF Bumper Rail, Light Clean For Disaster Clean-up	0.44	
<i>For Medium Clean, Add</i>	0.18	
<i>For Heavy Clean, Add</i>	0.57	
02 90 50 00-0034 SF Hard Floor, Light Clean For Disaster Clean-up	0.36	
<i>For Medium Clean, Add</i>	0.15	
<i>For Heavy Clean, Add</i>	0.47	
02 90 50 00-0035 SF Carpet, Light Clean For Disaster Clean-up	0.37	
<i>For Medium Clean, Add</i>	0.16	
<i>For Heavy Clean, Add</i>	0.48	
02 90 50 00-0036 SF Hard Ceiling, Light Clean For Disaster Clean-up	0.28	
<i>For Medium Clean, Add</i>	0.12	
<i>For Heavy Clean, Add</i>	0.36	
02 90 50 00-0037 SF Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up	0.31	
<i>For Medium Clean, Add</i>	0.13	
<i>For Heavy Clean, Add</i>	0.40	
02 90 50 00-0038 SF Ceramic Tile Wall, Light Clean For Disaster Clean-up	0.26	
<i>For Medium Clean, Add</i>	0.11	
<i>For Heavy Clean, Add</i>	0.34	
02 90 50 00-0039 SF Wall, Light Clean For Disaster Clean-up	0.19	
<i>For Medium Clean, Add</i>	0.08	
<i>For Heavy Clean, Add</i>	0.25	
02 90 50 00-0040 SF Masonry Wall, Light Clean For Disaster Clean-up	0.26	
<i>For Medium Clean, Add</i>	0.11	
<i>For Heavy Clean, Add</i>	0.34	
02 90 50 00-0041 EA Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	65.15	
Note: Includes removal from site, cleaning, and return.		
<i>For Medium Clean, Add</i>	27.36	
<i>For Heavy Clean, Add</i>	84.70	
02 90 50 00-0042 EA >24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	81.43	
Note: Includes removal from site, cleaning, and return.		
<i>For Medium Clean, Add</i>	34.20	
<i>For Heavy Clean, Add</i>	105.86	
02 90 50 00-0043 EA >96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	97.71	
Note: Includes removal from site, cleaning, and return.		
<i>For Medium Clean, Add</i>	41.04	
<i>For Heavy Clean, Add</i>	127.02	
02 90 50 00-0044 EA >140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	114.00	
<i>For Medium Clean, Add</i>	47.88	
<i>For Heavy Clean, Add</i>	148.20	
02 90 50 00-0045 Clean Window Treatments (02 90 50 00-0008)		
02 90 50 00-0046 SF Window Blind, Light Clean For Disaster Clean-up	0.71	
<i>For Medium Clean, Add</i>	0.30	
<i>For Heavy Clean, Add</i>	0.92	
02 90 50 00-0047 EA Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.45	
<i>For Medium Clean, Add</i>	0.61	
<i>For Heavy Clean, Add</i>	1.89	
02 90 50 00-0048 EA Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.67	
<i>For Medium Clean, Add</i>	0.70	
<i>For Heavy Clean, Add</i>	2.17	
02 90 50 00-0049 EA >6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.52	
<i>For Medium Clean, Add</i>	0.64	
<i>For Heavy Clean, Add</i>	1.98	
02 90 50 00-0050 EA >6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.75	
<i>For Medium Clean, Add</i>	0.74	
<i>For Heavy Clean, Add</i>	2.28	
02 90 50 00-0051 EA >8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.86	
<i>For Medium Clean, Add</i>	0.78	
<i>For Heavy Clean, Add</i>	2.42	
02 90 50 00-0052 EA >8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	2.14	
<i>For Medium Clean, Add</i>	0.90	
<i>For Heavy Clean, Add</i>	2.78	
02 90 50 00-0053 Clean Appliances (02 90 50 00-0008)		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0054 EA Microwave Oven, Outside, Light Clean For Disaster Clean-up.....	12.80	
For Medium Clean, Add	5.38	
For Heavy Clean, Add	16.64	
02 90 50 00-0055 EA Refrigerator, Outside, Light Clean For Disaster Clean-up.....	30.15	
For Medium Clean, Add	12.66	
For Heavy Clean, Add	39.20	
02 90 50 00-0056 EA Range, Outside, Light Clean For Disaster Clean-up.....	26.06	
For Medium Clean, Add	10.95	
For Heavy Clean, Add	33.88	
02 90 50 00-0057 Clean Plumbing (02 90 50 00-0008)		
02 90 50 00-0058 EA Water Heater, Light Clean For Disaster Clean-up.....	18.54	
For Medium Clean, Add	7.79	
For Heavy Clean, Add	24.10	
02 90 50 00-0059 EA Plumbing Fixture, Light Clean For Disaster Clean-up.....	18.72	
For Medium Clean, Add	7.86	
For Heavy Clean, Add	24.34	
02 90 50 00-0060 EA Restroom Accessory, Light Clean For Disaster Clean-up.....	8.59	
For Medium Clean, Add	3.61	
For Heavy Clean, Add	11.17	
02 90 50 00-0061 Clean HVAC (02 90 50 00-0008)		
02 90 50 00-0062 LF Baseboard Heater, Light Clean For Disaster Clean-up.....	5.53	
For Medium Clean, Add	2.32	
For Heavy Clean, Add	7.19	
02 90 50 00-0063 LF Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up.....	15.45	
For Medium Clean, Add	6.49	
For Heavy Clean, Add	20.09	
02 90 50 00-0064 EA Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up.....	59.30	
For Medium Clean, Add	24.91	
For Heavy Clean, Add	77.09	
02 90 50 00-0065 EA Grille/Register, Light Clean For Disaster Clean-up.....	5.56	
For Medium Clean, Add	2.34	
For Heavy Clean, Add	7.23	
02 90 50 00-0066 EA Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up.....	38.51	
For Medium Clean, Add	16.17	
For Heavy Clean, Add	50.06	
02 90 50 00-0067 EA Furnace, Exterior Wipe, Light Clean For Disaster Clean-up.....	34.29	
For Medium Clean, Add	14.40	
For Heavy Clean, Add	44.58	
02 90 50 00-0068 Clean Electrical (02 90 50 00-0008)		
02 90 50 00-0069 EA Electric Fan, Light Clean For Disaster Clean-up.....	22.86	
For Medium Clean, Add	9.60	
For Heavy Clean, Add	29.72	
02 90 50 00-0070 EA Ceiling Fan, Light Clean For Disaster Clean-up.....	24.71	
For Medium Clean, Add	10.38	
For Heavy Clean, Add	32.12	
02 90 50 00-0071 EA Ceiling Fan And Light, Light Clean For Disaster Clean-up.....	32.12	
For Medium Clean, Add	13.49	
For Heavy Clean, Add	41.76	
02 90 50 00-0072 EA Ceiling Exhaust Fan, Light Clean For Disaster Clean-up.....	22.54	
For Medium Clean, Add	9.47	
For Heavy Clean, Add	29.30	
02 90 50 00-0073 EA 2' x 4' Light Fixture, Light Clean For Disaster Clean-up.....	14.83	
For Medium Clean, Add	6.23	
For Heavy Clean, Add	19.28	
02 90 50 00-0074 EA Light Fixture, Light Clean For Disaster Clean-up.....	6.79	
For Medium Clean, Add	2.85	
For Heavy Clean, Add	8.83	
02 90 50 00-0075 EA Smoke Detector, Light Clean For Disaster Clean-up.....	5.25	
For Medium Clean, Add	2.21	
For Heavy Clean, Add	6.83	
02 90 50 00-0076 EA Thermostat, Light Clean For Disaster Clean-up.....	1.85	
For Medium Clean, Add	0.78	
For Heavy Clean, Add	2.41	
02 90 50 00-0077 Thermal Fog (02 90 50 00-0008)		
02 90 50 00-0078 CF Clean And Deodorize Building With Thermal Fog For Disaster Clean-up.....	0.02	
02 90 50 00-0079 Contents Manipulation (02 90 50)		
02 90 50 00-0080 SF Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up.....	0.24	
02 90 50 00-0081 SF Floor Protection, Adhesive Film For Disaster Clean-up.....	0.29	
02 90 50 00-0082 SF Move Contents Out And Later Reset For Disaster Clean-up.....	0.49	
02 90 50 00-0083 MO 20' Long Job Site Storage Trailer For Disaster Clean-up.....	210.54	
02 90 50 00-0084 MO 40' Long Job Site Storage Trailer For Disaster Clean-up.....	279.21	
02 90 50 00-0085 EA Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up.....	143.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0086 Water Disaster Clean-up (02 90 50)		
02 90 50 00-0087 LF Detach Baseboard For Disaster Clean-up	0.67	
02 90 50 00-0088 LF Detach And Later Reset Baseboard For Disaster Clean-up	1.19	
02 90 50 00-0089 EA Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up	4.39	
02 90 50 00-0090 SF Water Extraction From Floor For Disaster Clean-up	0.45	
02 90 50 00-0091 SF Gray Water Extraction From Floor For Disaster Clean-up	0.74	
02 90 50 00-0092 SF Black Water Extraction From Floor For Disaster Clean-up	1.17	
02 90 50 00-0093 SF Tear Out Wet Non Salvageable Carpet For Disaster Clean-up	0.36	
02 90 50 00-0094 SF Tear Out Wet Non Salvageable Carpet, Black Water For Disaster Clean-up	0.43	
02 90 50 00-0095 SF Tear Out Wet Non Salvageable Glue Down Carpet For Disaster Clean-up	0.65	
02 90 50 00-0096 SF Tear Out Wet Non Salvageable Glue Down Carpet, Black Water For Disaster Clean-up	0.95	
02 90 50 00-0097 SF Tear Out Vinyl Flooring For Disaster Clean-up	0.90	
02 90 50 00-0098 SF Tear Out Vinyl Flooring, Black Water For Disaster Clean-up	1.31	
02 90 50 00-0099 SF Tear Out Wood Flooring, Black Water For Disaster Clean-up	3.40	
02 90 50 00-0100 SF Tear Out Laminated Wood Flooring For Disaster Clean-up	1.68	
02 90 50 00-0101 SF Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up	2.46	
02 90 50 00-0102 SF Tear Out Wet Ceiling Tile For Disaster Clean-up	0.28	
02 90 50 00-0103 SF Tear Out Batt Insulation For Disaster Clean-up	0.28	
02 90 50 00-0104 SF Tear Out Wet Gypsum Board For Disaster Clean-up	0.48	
02 90 50 00-0105 SF Apply Antimicrobial Agent For Disaster Clean-up	0.27	
02 90 50 00-0106 SF High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up	0.35	
02 90 50 00-0107 Board Up And Tarp Up (02 90 50)		
02 90 50 00-0108 SF Polyethylene Tarp On Roof For Disaster Clean-up	0.29	
02 90 50 00-0109 SF 1/2" Temporary Plywood On Roof For Disaster Clean-up	1.83	
02 90 50 00-0110 SF 5/8" Temporary Plywood On Roof For Disaster Clean-up	1.96	
02 90 50 00-0111 SF 3/4" Temporary Plywood On Roof For Disaster Clean-up	2.15	
02 90 50 00-0112 SF 1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.20	
02 90 50 00-0113 SF 5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.33	
02 90 50 00-0114 SF 3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.52	
02 90 50 00-0115 Minimum Charges (02 90 50)		
02 90 50 00-0116 EA Disaster Cleaning Minimum Charge	1,352.26	
02 90 50 00-0117 EA Disaster Water Extraction Minimum Charge	290.87	
02 90 50 00-0118 EA Disaster Carpet Cleaning Minimum Charge	271.08	
02 90 50 00-0119 Document Restoration (02 90 50)		
02 90 50 00-0120 EA Book Rebinding, Each For Document Restoration	139.99	
02 90 50 00-0121 EA Book Recasing, Each For Document Restoration	69.98	
02 90 50 00-0122 EA Boxes-MCS, 1.2 CF For Document Restoration	8.79	
02 90 50 00-0123 EA Boxes-MCS, 2.0 CF For Document Restoration	9.70	
02 90 50 00-0124 EA Boxes Bankers For Document Restoration	22.36	
02 90 50 00-0125 EA Boxes Standard Packout For Document Restoration	5.63	
02 90 50 00-0126 EA Boxes X Ray For Document Restoration	14.01	
02 90 50 00-0127 EA CD Scanning and Diagnostics, Each For Document Restoration	14.01	
02 90 50 00-0128 EA Cleaning Antique Books, Each For Document Restoration	419.95	
02 90 50 00-0129 EA Cleaning Catheter Roll, Per Roll For Document Restoration	55.98	
02 90 50 00-0130 EA Cleaning CD And DVD, Per Disc For Document Restoration	5.62	
02 90 50 00-0131 EA Cleaning Level 1 - Blue Prints, Each For Document Restoration	3.93	
02 90 50 00-0132 CF Cleaning Level 1 - Document Per CF For Document Restoration	121.78	
02 90 50 00-0133 EA Cleaning Level 1 - Linen, Each For Document Restoration	3.93	
02 90 50 00-0134 EA Cleaning Level 1 - Mylar, Each For Document Restoration	3.93	
02 90 50 00-0135 EA Cleaning Level 2 - Blue Print, Each For Document Restoration	4.88	
02 90 50 00-0136 CF Cleaning Level 2 - Document Per CF For Document Restoration	182.51	
02 90 50 00-0137 EA Cleaning Level 2 - Linen, Each For Document Restoration	4.88	
02 90 50 00-0138 EA Cleaning Level 2 - Mylar, Each For Document Restoration	4.88	
02 90 50 00-0139 EA Cleaning Level 3 - Blue Prints, Each For Document Restoration	6.93	
02 90 50 00-0140 CF Cleaning Level 3 - Document Per CF For Document Restoration	243.52	
02 90 50 00-0141 EA Cleaning Level 3 - Linen, Each For Document Restoration	6.93	
02 90 50 00-0142 EA Cleaning Level 3 - Mylar, Each For Document Restoration	6.93	
02 90 50 00-0143 EA Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration	9.71	
02 90 50 00-0144 EA Cleaning Level 4 - All Fire-Linen, Each For Document Restoration	9.71	
02 90 50 00-0145 EA Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration	9.71	
02 90 50 00-0146 CF Cleaning Level 4 - Light Fire-Documnet Per CF For Document Restoration	304.35	
02 90 50 00-0147 EA Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration	10.76	
02 90 50 00-0148 CF Cleaning Level 5 - Severe Fire-Documnet Per CF For Document Restoration	456.66	
02 90 50 00-0149 EA Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration	10.76	
02 90 50 00-0150 EA Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration	10.76	
02 90 50 00-0151 EA Cleaning Microfiche Sheets, Each For Document Restoration	3.82	
02 90 50 00-0152 EA Cleaning Microfiche Strips, Each For Document Restoration	0.89	
02 90 50 00-0153 EA Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration	139.99	
02 90 50 00-0154 EA Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration	195.99	
02 90 50 00-0155 EA Cleaning Photographs Negatives, Per Negative For Document Restoration	3.82	
02 90 50 00-0156 EA Cleaning Photographs, Each For Document Restoration	0.89	
02 90 50 00-0157 EA Cleaning Record Albums, Each For Document Restoration	5.62	
02 90 50 00-0158 EA Cleaning VHS And Beta Tapes-In House, Each For Document Restoration	14.01	
02 90 50 00-0159 EA Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration	55.98	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Clean-up**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 50 00-0160	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration.....	5.21	
02 90 50 00-0161	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration.....	4.45	
02 90 50 00-0162	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration.....	3.49	
02 90 50 00-0163	EA	Copying Clean Water, Per Page For Document Restoration.....	0.51	
02 90 50 00-0164	EA	Copying Greywater Fire, Per Page For Document Restoration.....	1.51	
02 90 50 00-0165	CF	Deodorization, Vapor Tech For Document Restoration.....	9.61	
02 90 50 00-0166	CF	Disinfectant-Fogging For Document Restoration.....	19.63	
02 90 50 00-0167	EA	Document Disposal In House No Shredding For Document Restoration.....	74.64	
02 90 50 00-0168	EA	Document Disposal In House With Shredding For Document Restoration.....	20.37	
02 90 50 00-0169	CF	Up To 150 CF, Drying-MCS Center For Document Restoration.....	251.97	
02 90 50 00-0170	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration.....	195.99	
02 90 50 00-0171	CF	>500 CF, Drying-MCS Center For Document Restoration.....	167.98	
02 90 50 00-0172	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration.....	223.98	
02 90 50 00-0173	CF	Up To 500 CF, Drying-Onsite For Document Restoration.....	419.95	
02 90 50 00-0174	CF	>500 CF, Drying-Onsite For Document Restoration.....	257.62	
02 90 50 00-0175	EA	Drying Antique Books, Each For Document Restoration.....	55.98	
02 90 50 00-0176	EA	Drying Blue Prints, Each For Document Restoration.....	7.00	
02 90 50 00-0177	EA	DVD Scanning And Diagnostics, Each For Document Restoration.....	14.01	
02 90 50 00-0178	EA	Freeze Drying (In House) For Document Restoration.....	126.63	
02 90 50 00-0179	EA	Freeze Drying (Outside) For Document Restoration.....	108.54	
02 90 50 00-0180	EA	Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration.....	2,984.85	
02 90 50 00-0181	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration.....	27.14	
02 90 50 00-0182	EA	Minimal Drying Jobs For Document Restoration.....	1,257.26	
02 90 50 00-0183	EA	Monthly Storage For Document Restoration.....	234.58	
02 90 50 00-0184	EA	Mylar Prints For Document Restoration.....	14.01	
02 90 50 00-0185	CF	Ozoning For Document Restoration.....	8.63	
02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration.....	10.93	
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration.....	0.14	
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration.....	30.37	

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

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

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

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

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Clean Up.....	60.72	
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Clean Up.....	42.50	
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Clean Up.....	58.44	
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Clean Up.....	95.63	
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Clean Up.....	79.70	
02 90 55 00-0008	HR	Senior Project Manager For Emergency Clean Up.....	111.57	
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Clean Up.....	159.39	
02 90 55 00-0010	HR	Equipment Technician For Emergency Clean Up.....	116.89	
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Clean Up.....	58.19	
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Clean Up.....	79.70	
02 90 55 00-0013	HR	Administrative Personnel For Emergency Clean Up.....	37.19	
02 90 55 00-0014	HR	Project Accountant For Emergency Clean Up.....	60.72	
02 90 55 00-0015	HR	Biohazard Technician For Emergency Clean Up.....	84.38	
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Clean Up.....	101.45	
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Clean Up.....	91.08	
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Clean Up.....	65.78	
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Clean Up.....	63.76	
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Clean Up.....	52.62	
02 90 55 00-0021	HR	Mobilization Support For Emergency Clean Up.....	32.38	

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

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

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

02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	133.93	
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	510.93	
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	1,398.86	
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up.....	56.98	
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up.....	160.39	
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up.....	442.76	
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up.....	110.69	
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up.....	282.38	
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up.....	666.40	
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	609.93	
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	1,637.78	
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	4,563.18	
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up.....	1,377.99	
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up.....	3,636.99	
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up.....	9,804.06	
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	99.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0040	WK			4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	282.38	
02 90 55 00-0041	MO			4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	971.37	
02 90 55 00-0042	DAY			8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	92.62	
02 90 55 00-0043	WK			8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	248.49	
02 90 55 00-0044	MO			8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	643.82	
02 90 55 00-0045	DAY			17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	148.19	
02 90 55 00-0046	WK			17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	422.88	
02 90 55 00-0047	MO			17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	1,181.91	
02 90 55 00-0048	DAY			Truck Mounted Extractor Rental For Emergency Clean-up	928.92	
02 90 55 00-0049	WK			Truck Mounted Extractor Rental For Emergency Clean-up	2,786.75	
02 90 55 00-0050	MO			Truck Mounted Extractor Rental For Emergency Clean-up	8,360.25	
02 90 55 00-0051	DAY			16" Chain Saw Rental For Emergency Clean-up	108.43	
02 90 55 00-0052	WK			16" Chain Saw Rental For Emergency Clean-up	243.97	
02 90 55 00-0053	MO			16" Chain Saw Rental For Emergency Clean-up	650.59	
02 90 55 00-0054	DAY			20" Chain Saw Rental For Emergency Clean-up	135.54	
02 90 55 00-0055	WK			20" Chain Saw Rental For Emergency Clean-up	304.96	
02 90 55 00-0056	MO			20" Chain Saw Rental For Emergency Clean-up	813.24	
02 90 55 00-0057	EA			Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	101.66	
02 90 55 00-0058	DAY			14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	144.58	
02 90 55 00-0059	WK			14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	395.32	
02 90 55 00-0060	MO			14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	1,106.91	
02 90 55 00-0061	DAY			12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	176.20	
02 90 55 00-0062	WK			12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	598.64	
02 90 55 00-0063	MO			12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	1,140.80	
02 90 55 00-0064	DAY			Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	161.45	
02 90 55 00-0065	WK			Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	444.00	
02 90 55 00-0066	MO			Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	1,210.90	
02 90 55 00-0067	DAY			Extension Cords - 220 Volt For Emergency Clean-up	56.48	
02 90 55 00-0068	DAY			Extension Cords - 220 Volt Converter Box For Emergency Clean-up	33.88	
02 90 55 00-0069	DAY			Demolition Cart, 1 Yard For Emergency Clean-up	90.36	
02 90 55 00-0070	WK			Demolition Cart, 1 Yard For Emergency Clean-up	248.49	
02 90 55 00-0071	MO			Demolition Cart, 1 Yard For Emergency Clean-up	677.70	
02 90 55 00-0072	DAY			Demolition Cart, 1-1/2 Yard For Emergency Clean-up	112.95	
02 90 55 00-0073	WK			Demolition Cart, 1-1/2 Yard For Emergency Clean-up	310.61	
02 90 55 00-0074	MO			Demolition Cart, 1-1/2 Yard For Emergency Clean-up	847.12	
02 90 55 00-0075	EA			Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	169.42	
02 90 55 00-0076	DAY			Dry-Ice Blasting System For Emergency Clean-up	1,826.87	
02 90 55 00-0077	DAY			Fogger - Mist For Emergency Clean-up	47.49	
02 90 55 00-0078	WK			Fogger - Mist For Emergency Clean-up	130.59	
02 90 55 00-0079	MO			Fogger - Mist For Emergency Clean-up	356.15	
02 90 55 00-0080	DAY			Fogger - Electric Thermal For Emergency Clean-up	68.38	
02 90 55 00-0081	WK			Fogger - Electric Thermal For Emergency Clean-up	188.05	
02 90 55 00-0082	MO			Fogger - Electric Thermal For Emergency Clean-up	512.85	
02 90 55 00-0083	DAY			Fogger - Gas Power Thermal For Emergency Clean-up	183.87	
02 90 55 00-0084	WK			Fogger - Gas Power Thermal For Emergency Clean-up	505.64	
02 90 55 00-0085	MO			Fogger - Gas Power Thermal For Emergency Clean-up	1,379.01	
02 90 55 00-0086	EA			Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	226.12	
02 90 55 00-0087	WK			Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	621.84	
02 90 55 00-0088	MO			Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	1,695.94	
02 90 55 00-0089	DAY			Hand Trucks/Dollies For Emergency Clean-up	27.11	
02 90 55 00-0090	WK			Hand Trucks/Dollies For Emergency Clean-up	74.55	
02 90 55 00-0091	MO			Hand Trucks/Dollies For Emergency Clean-up	203.31	
02 90 55 00-0092	DAY			Heat Gun - Shrink Wrap For Emergency Clean-up	140.74	
02 90 55 00-0093	WK			Heat Gun - Shrinkwrap For Emergency Clean-up	387.05	
02 90 55 00-0094	MO			Heat Gun - Shrinkwrap For Emergency Clean-up	1,055.59	
02 90 55 00-0095	DAY			High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up	198.99	
Note: Includes all filters.						
02 90 55 00-0096	DAY			Ladder For Emergency Clean-up	38.40	
02 90 55 00-0097	DAY			Lights - Demo, Drop, Stand, String For Emergency Clean-up	34.19	
02 90 55 00-0098	DAY			Lights - Wobble For Emergency Clean-up	41.79	
02 90 55 00-0099	DAY			Moisture Meter For Emergency Clean-up	56.98	
02 90 55 00-0100	WK			Moisture Meter For Emergency Clean-up	156.70	
02 90 55 00-0101	MO			Moisture Meter For Emergency Clean-up	427.38	
02 90 55 00-0102	DAY			Nail Gun For Emergency Clean-up	101.66	
02 90 55 00-0103	WK			Nail Gun For Emergency Clean-up	279.55	
02 90 55 00-0104	MO			Nail Gun For Emergency Clean-up	762.41	
02 90 55 00-0105	DAY			Ozone Generator For Emergency Clean-up	237.43	
02 90 55 00-0106	DAY			PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	135.54	
02 90 55 00-0107	DAY			Portable Generator, Up To 7,500 Watt For Emergency Clean-up	189.94	
02 90 55 00-0108	DAY			Pressure Washer, Hot For Emergency Clean-up	284.92	
02 90 55 00-0109	DAY			Pressure Washer, Cold For Emergency Clean-up	189.94	
02 90 55 00-0110	DAY			Scaffolding - Per Section For Emergency Clean-up	146.84	
02 90 55 00-0111	DAY			Small Tools - Tool Box For Emergency Clean-up	56.48	
02 90 55 00-0112	DAY			Soda Blasting Equipment For Emergency Clean-up	1,812.80	
02 90 55 00-0113	DAY			Sprayer - Hudson For Emergency Clean-up	18.07	
02 90 55 00-0114	WK			Sprayer - Hudson For Emergency Clean-up	49.70	
02 90 55 00-0115	MO			Sprayer - Hudson For Emergency Clean-up	135.54	
02 90 55 00-0116	DAY			0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	152.94	
02 90 55 00-0117	WK			0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	359.18	
02 90 55 00-0118	MO			0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	1,229.39	
02 90 55 00-0119	DAY			0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	240.72	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0120 WK 0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	567.42	
02 90 55 00-0121 MO 0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	1,581.89	
02 90 55 00-0122 DAY 0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	257.91	
02 90 55 00-0123 WK 0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	644.79	
02 90 55 00-0124 MO 0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	1,736.63	
02 90 55 00-0125 DAY Storage Space (Per SF Per Day) For Emergency Clean-up	4.38	
02 90 55 00-0126 DAY Submersible Pump For Emergency Clean-up	47.49	
02 90 55 00-0127 DAY Trash Pump - 2" Gas Powered For Emergency Clean-up	260.85	
02 90 55 00-0128 DAY Vehicle, Pick-up, SUV, Car For Emergency Clean-up	129.49	
02 90 55 00-0129 DAY Vehicle, Van For Emergency Clean-up	211.12	
02 90 55 00-0130 DAY 16' Or 24' Box Truck Vehicle For Emergency Clean-up	255.37	
Note: Includes Mileage		
02 90 55 00-0131 DAY Trailer - Refrigerated 40' Storage For Emergency Clean-up	280.55	
02 90 55 00-0132 DAY Utility Trailer For Emergency Clean-up	233.64	
Note: Includes Mileage		
02 90 55 00-0133 DAY Truck Mount, Per Wand Extraction For Emergency Clean-up	1,053.71	
02 90 55 00-0134 DAY High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	47.49	
02 90 55 00-0135 WK High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	130.59	
02 90 55 00-0136 MO High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	356.15	
02 90 55 00-0137 DAY 12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	161.45	
02 90 55 00-0138 WK 12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	444.00	
02 90 55 00-0139 MO 12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,210.90	
02 90 55 00-0140 DAY Vacuum - Upright For Emergency Clean-up	30.96	
02 90 55 00-0141 WK Vacuum - Upright For Emergency Clean-up	85.15	
02 90 55 00-0142 MO Vacuum - Upright For Emergency Clean-up	232.23	
02 90 55 00-0143 DAY 12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	70.03	
02 90 55 00-0144 WK 12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	173.94	
02 90 55 00-0145 MO 12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	417.92	
02 90 55 00-0146 DAY 55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	70.03	
02 90 55 00-0147 WK 55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	173.94	
02 90 55 00-0148 MO 55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	440.50	
02 90 55 00-0149 DAY 17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	160.39	
02 90 55 00-0150 WK 17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	429.21	
02 90 55 00-0151 MO 17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	1,197.27	
02 90 55 00-0152 DAY Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	47.49	
02 90 55 00-0153 WK Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	130.59	
02 90 55 00-0154 MO Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	356.15	
02 90 55 00-0155 DAY 10' x 10' Canopy For Emergency Clean-up	142.32	
02 90 55 00-0156 WK 10' x 10' Canopy For Emergency Clean-up	284.63	
02 90 55 00-0157 MO 10' x 10' Canopy For Emergency Clean-up	569.27	
02 90 55 00-0158 DAY 10' x 20' Canopy For Emergency Clean-up	284.63	
02 90 55 00-0159 WK 10' x 20' Canopy For Emergency Clean-up	569.27	
02 90 55 00-0160 MO 10' x 20' Canopy For Emergency Clean-up	1,138.54	
02 90 55 00-0161 DAY 16' x 16' Canopy For Emergency Clean-up	356.92	
02 90 55 00-0162 WK 16' x 16' Canopy For Emergency Clean-up	713.84	
02 90 55 00-0163 MO 16' x 16' Canopy For Emergency Clean-up	1,427.69	
02 90 55 00-0164 DAY 20' x 20' Canopy For Emergency Clean-up	474.39	
02 90 55 00-0165 WK 20' x 20' Canopy For Emergency Clean-up	948.78	
02 90 55 00-0166 MO 20' x 20' Canopy For Emergency Clean-up	1,897.56	
02 90 55 00-0167 DAY 20' x 30' Canopy For Emergency Clean-up	542.16	
02 90 55 00-0168 WK 20' x 30' Canopy For Emergency Clean-up	1,084.32	
02 90 55 00-0169 MO 20' x 30' Canopy For Emergency Clean-up	2,168.64	
02 90 55 00-0170 DAY 20' x 40' Canopy For Emergency Clean-up	632.52	
02 90 55 00-0171 WK 20' x 40' Canopy For Emergency Clean-up	1,265.04	
02 90 55 00-0172 MO 20' x 40' Canopy For Emergency Clean-up	2,530.08	
02 90 55 00-0173 DAY First Aid Station For Emergency Clean-up	341.56	
02 90 55 00-0174 WK First Aid Station For Emergency Clean-up	939.29	
02 90 55 00-0175 MO First Aid Station For Emergency Clean-up	2,561.71	
02 90 55 00-0176 DAY Portable Eyewash Station For Emergency Clean-up	103.73	
02 90 55 00-0177 WK Portable Eyewash Station For Emergency Clean-up	285.27	
02 90 55 00-0178 MO Portable Eyewash Station For Emergency Clean-up	778.00	
02 90 55 00-0179 DAY 2 Way Radio For Emergency Clean-up	37.99	

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

02 90 55 00-0181 DAY Computer - Diagnostic For Emergency Clean-up	56.48	
02 90 55 00-0182 WK Computer - Diagnostic For Emergency Clean-up	155.31	
02 90 55 00-0183 MO Computer - Diagnostic For Emergency Clean-up	423.56	
02 90 55 00-0184 DAY Convection Oven - Large For Emergency Clean-up	819.14	
02 90 55 00-0185 WK Convection Oven - Large For Emergency Clean-up	2,252.62	
02 90 55 00-0186 MO Convection Oven - Large For Emergency Clean-up	6,143.52	
02 90 55 00-0187 DAY Convection Oven - Small For Emergency Clean-up	203.31	
02 90 55 00-0188 WK Convection Oven - Small For Emergency Clean-up	559.10	
02 90 55 00-0189 MO Convection Oven - Small For Emergency Clean-up	1,524.82	
02 90 55 00-0190 DAY Convection Oven - Vacuum For Emergency Clean-up	1,169.12	
02 90 55 00-0191 WK Convection Oven - Vacuum For Emergency Clean-up	3,215.08	
02 90 55 00-0192 MO Convection Oven - Vacuum For Emergency Clean-up	8,768.41	
02 90 55 00-0193 DAY Decontamination Booth For Emergency Clean-up	966.45	
02 90 55 00-0194 WK Decontamination Booth For Emergency Clean-up	2,657.73	
02 90 55 00-0195 MO Decontamination Booth For Emergency Clean-up	7,248.37	
02 90 55 00-0196 DAY DI Water System For Emergency Clean-up	75.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0197 WK DI Water System For Emergency Clean-up.....	206.43	
02 90 55 00-0198 MO DI Water System For Emergency Clean-up.....	562.98	
02 90 55 00-0199 DAY ESD Bench Workstation For Emergency Clean-up.....	45.98	
02 90 55 00-0200 WK ESD Bench Workstation For Emergency Clean-up.....	126.44	
02 90 55 00-0201 MO ESD Bench Workstation For Emergency Clean-up.....	344.83	
02 90 55 00-0202 DAY Heater/Enclosure Control System For Emergency Clean-up.....	33.88	
02 90 55 00-0203 WK Heater/Enclosure Control System For Emergency Clean-up.....	93.18	
02 90 55 00-0204 MO Heater/Enclosure Control System For Emergency Clean-up.....	254.14	
02 90 55 00-0205 DAY Hi-Tech Mobile Cart/Workstation For Emergency Clean-up.....	118.23	
02 90 55 00-0206 WK Hi-Tech Mobile Cart/Workstation For Emergency Clean-up.....	325.12	
02 90 55 00-0207 MO Hi-Tech Mobile Cart/Workstation For Emergency Clean-up.....	886.69	
02 90 55 00-0208 DAY Micro-Blaster/Dust Collector For Emergency Clean-up.....	508.28	
02 90 55 00-0209 WK Micro-Blaster/Dust Collector For Emergency Clean-up.....	1,397.76	
02 90 55 00-0210 MO Micro-Blaster/Dust Collector For Emergency Clean-up.....	3,812.06	
02 90 55 00-0211 DAY Mobile Laboratory For Emergency Clean-up.....	1,411.88	
02 90 55 00-0212 WK Mobile Laboratory For Emergency Clean-up.....	3,882.66	
02 90 55 00-0213 MO Mobile Laboratory For Emergency Clean-up.....	10,589.06	
02 90 55 00-0214 DAY Nitrogen Enclosure Cabinet For Emergency Clean-up.....	27.11	
02 90 55 00-0215 WK Nitrogen Enclosure Cabinet For Emergency Clean-up.....	74.55	
02 90 55 00-0216 MO Nitrogen Enclosure Cabinet For Emergency Clean-up.....	203.31	
02 90 55 00-0217 DAY Odell Cleaning Station For Emergency Clean-up.....	790.65	
02 90 55 00-0218 WK Odell Cleaning Station For Emergency Clean-up.....	2,174.29	
02 90 55 00-0219 MO Odell Cleaning Station For Emergency Clean-up.....	5,929.88	
02 90 55 00-0220 DAY Parts Washer For Emergency Clean-up.....	56.48	
02 90 55 00-0221 WK Parts Washer For Emergency Clean-up.....	155.31	
02 90 55 00-0222 MO Parts Washer For Emergency Clean-up.....	423.56	
02 90 55 00-0223 DAY Ultrasonic Cleaning System For Emergency Clean-up.....	351.86	
02 90 55 00-0224 WK Ultrasonic Cleaning System For Emergency Clean-up.....	967.62	
02 90 55 00-0225 MO Ultrasonic Cleaning System For Emergency Clean-up.....	2,638.97	
02 90 55 00-0226 DAY Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	150.09	
02 90 55 00-0227 WK Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	412.75	
02 90 55 00-0228 MO Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	1,125.69	
02 90 55 00-0229 Drying/Dehumidification Equipment (02 90 55 00-0022)		
02 90 55 00-0230 DAY 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up.....	237.43	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0231 WK 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up.....	652.94	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0232 MO 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up.....	1,780.73	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0233 DAY 2,200 CFM Centrifugal Air Mover For Emergency Clean-up.....	55.45	
02 90 55 00-0234 WK 2,200 CFM Centrifugal Air Mover For Emergency Clean-up.....	152.49	
02 90 55 00-0235 MO 2,200 CFM Centrifugal Air Mover For Emergency Clean-up.....	415.89	
02 90 55 00-0236 DAY 3,000 CFM Axial Air Mover For Emergency Clean-up.....	92.42	
02 90 55 00-0237 WK 3,000 CFM Axial Air Mover For Emergency Clean-up.....	254.16	
02 90 55 00-0238 MO 3,000 CFM Axial Air Mover For Emergency Clean-up.....	693.16	
02 90 55 00-0239 DAY Injectidry System For Emergency Clean-up.....	294.41	
02 90 55 00-0240 WK Injectidry System For Emergency Clean-up.....	809.64	
02 90 55 00-0241 MO Injectidry System For Emergency Clean-up.....	2,208.11	
02 90 55 00-0242 DAY Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	189.94	
02 90 55 00-0243 WK Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	522.35	
02 90 55 00-0244 MO Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	1,424.59	
02 90 55 00-0245 DAY >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	282.38	
02 90 55 00-0246 WK >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	776.53	
02 90 55 00-0247 MO >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	2,117.81	
02 90 55 00-0248 DAY >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	262.30	
02 90 55 00-0249 WK >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	721.34	
02 90 55 00-0250 MO >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	1,967.29	
02 90 55 00-0251 DAY Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up.....	280.40	
02 90 55 00-0252 WK Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up.....	771.09	
02 90 55 00-0253 MO Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up.....	2,102.96	
02 90 55 00-0254 DAY Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up.....	280.40	
02 90 55 00-0255 WK Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up.....	771.09	
02 90 55 00-0256 MO Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up.....	2,102.96	
02 90 55 00-0257 DAY D-500 Desiccant Dehumidifier For Emergency Clean-up.....	316.58	
02 90 55 00-0258 WK D-500 Desiccant Dehumidifier For Emergency Clean-up.....	870.58	
02 90 55 00-0259 MO D-500 Desiccant Dehumidifier For Emergency Clean-up.....	2,374.31	
02 90 55 00-0260 DAY D-750 Desiccant Dehumidifier For Emergency Clean-up.....	664.81	
02 90 55 00-0261 WK D-750 Desiccant Dehumidifier For Emergency Clean-up.....	1,828.22	
02 90 55 00-0262 MO D-750 Desiccant Dehumidifier For Emergency Clean-up.....	4,986.06	
02 90 55 00-0263 DAY D-1000 Desiccant Dehumidifier For Emergency Clean-up.....	1,139.67	
02 90 55 00-0264 WK D-1000 Desiccant Dehumidifier For Emergency Clean-up.....	3,134.09	
02 90 55 00-0265 MO D-1000 Desiccant Dehumidifier For Emergency Clean-up.....	8,547.52	
02 90 55 00-0266 DAY D-1500 Desiccant Dehumidifier For Emergency Clean-up.....	1,754.73	
02 90 55 00-0267 WK D-1500 Desiccant Dehumidifier For Emergency Clean-up.....	4,825.51	
02 90 55 00-0268 MO D-1500 Desiccant Dehumidifier For Emergency Clean-up.....	13,160.48	
02 90 55 00-0269 DAY D-2000 Desiccant Dehumidifier For Emergency Clean-up.....	1,754.73	
02 90 55 00-0270 WK D-2000 Desiccant Dehumidifier For Emergency Clean-up.....	4,825.51	
02 90 55 00-0271 MO D-2000 Desiccant Dehumidifier For Emergency Clean-up.....	13,160.48	
02 90 55 00-0272 DAY D-2250 Desiccant Dehumidifier For Emergency Clean-up.....	1,832.52	

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 55 00-0273	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	5,039.42	
02 90 55 00-0274	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	13,743.88	
02 90 55 00-0275	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	2,279.34	
02 90 55 00-0276	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	6,268.18	
02 90 55 00-0277	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	17,095.05	
02 90 55 00-0278	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	2,564.26	
02 90 55 00-0279	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	7,051.71	
02 90 55 00-0280	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	19,231.93	
02 90 55 00-0281	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,754.20	
02 90 55 00-0282	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	7,574.06	
02 90 55 00-0283	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	20,656.52	
02 90 55 00-0284	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	3,618.00	
02 90 55 00-0285	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	9,949.50	
02 90 55 00-0286	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	27,135.00	
02 90 55 00-0287	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	3,798.90	
02 90 55 00-0288	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	10,446.98	
02 90 55 00-0289	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	28,491.75	
02 90 55 00-0290	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	617.32	
02 90 55 00-0291	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,697.63	
02 90 55 00-0292	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,629.91	
02 90 55 00-0293	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	854.75	
02 90 55 00-0294	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,350.57	
02 90 55 00-0295	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,410.64	
02 90 55 00-0296	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,139.67	
02 90 55 00-0297	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,134.09	
02 90 55 00-0298	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,547.52	
02 90 55 00-0299	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,519.56	
02 90 55 00-0300	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,178.79	
02 90 55 00-0301	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	11,396.70	
02 90 55 00-0302	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,564.26	
02 90 55 00-0303	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	7,051.71	
02 90 55 00-0304	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	19,231.93	
02 90 55 00-0305	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,849.18	
02 90 55 00-0306	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	7,835.23	
02 90 55 00-0307	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	21,368.81	
02 90 55 00-0308	DAY	25' Flex Duct For Emergency Clean-up	37.99	
02 90 55 00-0309	WK	25' Flex Duct For Emergency Clean-up	104.47	
02 90 55 00-0310	MO	25' Flex Duct For Emergency Clean-up	284.92	
02 90 55 00-0311	DAY	Hygrothermograph For Emergency Clean-up	56.48	
02 90 55 00-0312	WK	Hygrothermograph For Emergency Clean-up	155.31	
02 90 55 00-0313	MO	Hygrothermograph For Emergency Clean-up	423.56	
02 90 55 00-0314	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	8,938.06	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.				
02 90 55 00-0315	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	24,579.66	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.				
02 90 55 00-0316	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	67,035.45	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.				

02 90 55 00-0317 Power Equipment (02 90 55 00-0022)

02 90 55 00-0318	WK	Up to 65 KVA Generator For Emergency Clean-up	1,175.85	
02 90 55 00-0319	WK	>65 to 125 KVA Generator For Emergency Clean-up	1,989.90	
02 90 55 00-0320	WK	>125 to 250 KVA Generator For Emergency Clean-up	1,940.84	
02 90 55 00-0321	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,346.65	
02 90 55 00-0322	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,522.50	
02 90 55 00-0323	WK	>440 to 625 KVA Generator For Emergency Clean-up	6,809.95	
02 90 55 00-0324	WK	>625 to 800 KVA Generator For Emergency Clean-up	6,964.65	
02 90 55 00-0325	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	9,316.35	
02 90 55 00-0326	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	14,019.75	
02 90 55 00-0327	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	30.39	
02 90 55 00-0328	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	145.62	
02 90 55 00-0329	EA	Electrical Distribution Panel For Emergency Clean-up	351.86	
02 90 55 00-0330	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	54.72	
02 90 55 00-0331	EA	50' Power Cord For Spider Box For Emergency Clean-up	50.65	
02 90 55 00-0332	EA	Pig Tails (Per Each) For Emergency Clean-up	5.65	

02 90 55 00-0333 Freight Charges (02 90 55 00-0022)

02 90 55 00-0334	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.82	
02 90 55 00-0335	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	5.08	
02 90 55 00-0336	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	5.08	
02 90 55 00-0337	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	7.34	

02 90 55 00-0338 Emergency Clean-up Personal Protection Equipment (02 90 55 00-0001)

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

02 90 55 00-0339	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	15.72	
------------------	----	--	-------	--



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0340	EA			Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	54.92	
02 90 55 00-0341	BOX			Dust Mask For Emergency Clean-up Personal Protection Equipment.....	61.23	
02 90 55 00-0342	PR			Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	4.22	
02 90 55 00-0343	BOX			5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment.....	28.49	
02 90 55 00-0344	PR			Leather Gloves For Emergency Clean-up Personal Protection Equipment	14.25	
02 90 55 00-0345	EA			Heavy Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	24.33	
02 90 55 00-0346	PR			Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment.....	16.71	
02 90 55 00-0347	EA			Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	120.96	
02 90 55 00-0348	PR			Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment.....	7.32	
02 90 55 00-0349	EA			Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment.....	9.50	
02 90 55 00-0350				Emergency Clean-up Expendables (02 90 55 00-0001) Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 55 00-0351				General Materials (02 90 55 00-0350)		
02 90 55 00-0352	GAL			Adhesive Remover For Emergency Clean-up.....	113.97	
02 90 55 00-0353	GAL			Bioside-HS Cleaning Solution For Emergency Clean-up.....	38.51	
02 90 55 00-0354	GAL			Biocide Mold Cleaning Solution For Emergency Clean-up	49.14	
02 90 55 00-0355	EA			10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	6.01	
02 90 55 00-0356	EA			10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	9.12	
02 90 55 00-0357	EA			10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up	9.12	
02 90 55 00-0358	GAL			Bleach For Emergency Clean-up	12.26	
02 90 55 00-0359	EA			Small Stainless Brush For Emergency Clean-up	7.51	
02 90 55 00-0360	EA			2-1/2 Gallon Buckets For Emergency Clean-up.....	9.54	
02 90 55 00-0361	EA			5 Gallon Bucket For Emergency Clean-up.....	14.46	
02 90 55 00-0362	GAL			Carpet Defoamer For Emergency Clean-up	37.19	
02 90 55 00-0363	GAL			Carpet Pre-treat For Emergency Clean-up	27.77	
02 90 55 00-0364	GAL			Carpet Spotter For Emergency Clean-up.....	46.54	
02 90 55 00-0365	GAL			Carpet/Upholstery Cleaner For Emergency Clean-up.....	37.53	
02 90 55 00-0366	ROL			Carpet Masking/Shield For Emergency Clean-up	104.13	
02 90 55 00-0367	EA			Chemical Sponge For Emergency Clean-up	4.49	
02 90 55 00-0368	GAL			Clear Seal For Emergency Clean-up	153.23	
02 90 55 00-0369	GAL			Coil Cleaner For Emergency Clean-up	71.69	
02 90 55 00-0370	EA			Comfort Masks, Per Box 50 For Emergency Clean-up Personal Protection Equipment.....	52.69	
02 90 55 00-0371	EA			Hooded Coverall With Elastic Wrists/Ankles For Emergency Clean-up Personal Protection Equipment.....	23.30	
02 90 55 00-0372	EA			Decontamination Chamber For Emergency Clean-up	311.51	
02 90 55 00-0373	GAL			All Purpose Degreaser For Emergency Clean-up	50.15	
02 90 55 00-0374	GAL			De-Foamer Liquid For Emergency Clean-up	65.91	
02 90 55 00-0375	EA			Deodorization Membrane For Emergency Clean-up.....	129.50	
02 90 55 00-0376	GAL			9-D-9 Smoke Deodorizer For Emergency Clean-up	197.01	
02 90 55 00-0377	LB			Deodorizing Gel For Emergency Clean-up	46.28	
02 90 55 00-0378	GAL			Deodorizing Liquid For Emergency Clean-up	68.67	
02 90 55 00-0379	PAIL			Deodorizing Block For Emergency Clean-up	11.64	
02 90 55 00-0380	GAL			Disinfectant/Antimicrobial For Emergency Clean-up.....	120.09	
02 90 55 00-0381	GAL			BruClean Disinfectant For Emergency Clean-up	36.47	
02 90 55 00-0382	GAL			Dryclean For Emergency Clean-up.....	53.96	
02 90 55 00-0383	GAL			Duct Sealant Spray For Emergency Clean-up	81.32	
02 90 55 00-0384	GAL			Antifungal Duct Sealant For Emergency Clean-up.....	117.47	
02 90 55 00-0385	GAL			Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up.....	177.66	
02 90 55 00-0386	PR			Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.73	
02 90 55 00-0387	GAL			Encapsulant For Emergency Clean-up	123.10	
02 90 55 00-0388	GAL			Aftershock Fiberlocke For Emergency Clean-up	108.09	
02 90 55 00-0389	GAL			IAQ 2500 Fiberlocke For Emergency Clean-up	139.48	
02 90 55 00-0390	GAL			IAS 6000 Fiberlocke For Emergency Clean-up.....	143.46	
02 90 55 00-0391	ROL			Filter Material For Emergency Clean-up	279.38	
02 90 55 00-0392	EA			Blue Paper Collection Bag Filter For Emergency Clean-up	7.53	
02 90 55 00-0393	EA			CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	597.55	
02 90 55 00-0394	EA			Pre-Filter For Negative Air Machine For Emergency Clean-up.....	2.87	
02 90 55 00-0395	EA			Pleated Filter For Negative Air Machine For Emergency Clean-up.....	12.76	
02 90 55 00-0396	EA			Charcoal Filter For Negative Air Machine For Emergency Clean-up	45.44	
02 90 55 00-0397	EA			High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up.....	432.19	
02 90 55 00-0398	EA			Pleated Dehumidifier Filter For Emergency Clean-up.....	11.40	
02 90 55 00-0399	GAL			Floor Stripper For Emergency Clean-up	25.30	
02 90 55 00-0400	GAL			Floor Wax For Emergency Clean-up.....	36.14	
02 90 55 00-0401	GAL			Fogger (Thermal) For Emergency Clean-up	208.95	
02 90 55 00-0402	BOX			Furniture Blocks For Emergency Clean-up	168.29	
02 90 55 00-0403	EA			Furniture Polish, Per 10 Oz Can For Emergency Clean-up	22.68	
02 90 55 00-0404	GAL			Glass Cleaner For Emergency Clean-up	15.12	
02 90 55 00-0405	PR			Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	27.56	
02 90 55 00-0406	EA			Goof Off Spray, 12 Oz For Emergency Clean-up	18.09	
02 90 55 00-0407	EA			Halogen Light Bulbs For Emergency Clean-up	25.81	
02 90 55 00-0408	QT			Hand Sanitizer For Emergency Clean-up	12.76	
02 90 55 00-0409	EA			Hard Hats For Emergency Clean-up Personal Protection Equipment.....	10.50	
02 90 55 00-0410	BOX			Hog Rings, Box Of 2,500 For Emergency Clean-up	22.04	
02 90 55 00-0411	GAL			HVAC Coal Cleaner For Emergency Clean-up	71.69	
02 90 55 00-0412	BOX			Inventory Tag, Box Of 1,000 For Emergency Clean-up.....	155.04	
02 90 55 00-0413	EA			Utility Knives For Emergency Clean-up	19.88	
02 90 55 00-0414	ROL			13" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	133.00	
02 90 55 00-0415	ROL			20" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	140.41	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0416 ROL 29" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	279.56	
02 90 55 00-0417 ROL 39" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	404.07	
02 90 55 00-0418 GAL Lemon Oil For Emergency Clean-up.....	60.78	
02 90 55 00-0419 GAL LPS 1/Mecca Lube For Emergency Clean-up.....	65.67	
02 90 55 00-0420 GAL LPS 2 For Emergency Clean-up.....	69.50	
02 90 55 00-0421 GAL LPS Contact Cleaner For Emergency Clean-up.....	69.18	
02 90 55 00-0422 GAL Light Lubricant Preserve For Emergency Clean-up.....	161.84	
02 90 55 00-0423 GAL Heavy Lubricant Preserver For Emergency Clean-up.....	36.14	
02 90 55 00-0424 GAL Machinery Cleaning Solvent For Emergency Clean-up.....	291.00	
02 90 55 00-0425 GAL Metal Polishing Paste For Emergency Clean-up.....	29.96	
02 90 55 00-0426 GAL MediClean® Disinfectant For Emergency Clean-up.....	73.05	
02 90 55 00-0427 GAL Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up.....	89.66	
02 90 55 00-0428 EA Mop Heads For Emergency Clean-up.....	10.80	
02 90 55 00-0429 EA Nylon Scouring Pads For Emergency Clean-up.....	1.99	
02 90 55 00-0430 GAL Odor Neutralizer For Emergency Clean-up.....	46.54	
02 90 55 00-0431 EA Packing Paper, 25 LB Bundle For Emergency Clean-up.....	80.62	
02 90 55 00-0432 EA Paint Brushes For Emergency Clean-up.....	9.04	
02 90 55 00-0433 ROL Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up.....	188.02	
02 90 55 00-0434 EA Putty Knives For Emergency Clean-up.....	8.19	
02 90 55 00-0435 ROL Red Resin Paper, 200' Roll For Emergency Clean-up.....	41.03	
02 90 55 00-0436 GAL Reodorant For Emergency Clean-up.....	153.61	
02 90 55 00-0437 EA N95 Respirator For Emergency Clean-up Personal Protection Equipment.....	5.25	
02 90 55 00-0438 EA N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment.....	8.17	
02 90 55 00-0439 PR 3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment.....	54.79	
02 90 55 00-0440 PR P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment.....	54.79	
02 90 55 00-0441 EA Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment.....	43.84	
02 90 55 00-0442 GAL Restoracide For Emergency Clean-up.....	72.05	
02 90 55 00-0443 GAL Rust Remover For Emergency Clean-up.....	106.37	
02 90 55 00-0444 EA Saltesmo Test Samples For Emergency Clean-up.....	9.88	
02 90 55 00-0445 EA Sand Bag For Emergency Clean-up.....	2.59	
Note: Excludes sand material		
02 90 55 00-0446 EA Scotch-Brite 7447, Per Box 50 For Emergency Clean-up.....	32.29	
02 90 55 00-0447 EA Small Scrub Brushes For Emergency Clean-up.....	17.26	
02 90 55 00-0448 GAL Clear Soot Sealant For Emergency Clean-up.....	123.36	
02 90 55 00-0449 GAL Pigmented Soot Sealant For Emergency Clean-up.....	332.68	
02 90 55 00-0450 ROL Shrinkwrap Plastic For Emergency Clean-up.....	76.59	
02 90 55 00-0451 EA Dry Sponges For Emergency Clean-up.....	6.01	
02 90 55 00-0452 EA Spray Adhesive, Per Can For Emergency Clean-up.....	7.99	
02 90 55 00-0453 EA Spray Bot./Trigger For Emergency Clean-up.....	6.98	
02 90 55 00-0454 GAL Stain Remover For Emergency Clean-up.....	42.04	
02 90 55 00-0455 GAL Stainless Steel Cleaner For Emergency Clean-up.....	15.05	
02 90 55 00-0456 EA Stainless Steel Polish, Per Can For Emergency Clean-up.....	19.75	
02 90 55 00-0457 LB Sweeping Compound For Emergency Clean-up.....	0.66	
02 90 55 00-0458 ROL Duct Tape, 2" x 50 YD For Emergency Clean-up.....	15.63	
02 90 55 00-0459 ROL Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up.....	14.70	
02 90 55 00-0460 ROL HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up.....	39.76	
02 90 55 00-0461 ROL Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up.....	20.93	
02 90 55 00-0462 ROL Poly Box Tape, 2" x 110 YD For Emergency Clean-up.....	6.45	
02 90 55 00-0463 LB Terry Towels For Emergency Clean-up.....	9.31	
02 90 55 00-0464 GAL Thermal Fog For Emergency Clean-up.....	94.58	
02 90 55 00-0465 ROL 1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up.....	48.63	
02 90 55 00-0466 ROL 3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up.....	119.73	
02 90 55 00-0467 ROL 4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up.....	153.61	
02 90 55 00-0468 ROL 6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up.....	193.92	
02 90 55 00-0469 EA Trisodium Phosphate, 20 LB Pail For Emergency Clean-up.....	65.94	
02 90 55 00-0470 EA Backpack Vacuum Bags For Emergency Clean-up.....	2.22	
02 90 55 00-0471 EA Upright Vacuum Bags For Emergency Clean-up.....	2.96	
02 90 55 00-0472 GAL Vinyl And Leather Cleaner For Emergency Clean-up.....	37.53	
02 90 55 00-0473 ROL 1 Mil Visqueen, 12' x 400', For Emergency Clean-up.....	63.00	
02 90 55 00-0474 ROL 4 Mil Visqueen, 32' x 100', For Emergency Clean-up.....	171.06	
02 90 55 00-0475 ROL 6 Mil Visqueen, 32' x 400', For Emergency Clean-up.....	233.40	
02 90 55 00-0476 LB Wipes, Cotton Cloth For Emergency Clean-up.....	6.61	
02 90 55 00-0477 ROL 12" x 750', Wrap, Bubble/Anti-Static For Emergency Clean-up.....	192.12	
02 90 55 00-0478 EA Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up.....	18.77	
02 90 55 00-0479 EA Zip Wall Zippers For Emergency Clean-up.....	29.16	
02 90 55 00-0480 EA Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll.....	32.55	
Note: 3.3 gallon volume absorption capacity per roll		
02 90 55 00-0481 EA Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100.....	48.83	
Note: 26 OZ volume absorption capacity per pad		
02 90 55 00-0482 EA Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100.....	51.45	
Note: 33 OZ volume absorption capacity per pad		
02 90 55 00-0483 EA Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100.....	84.00	
Note: 45 OZ volume absorption capacity per pad		
02 90 55 00-0484 Technical/Electronics Restoration Materials (02 90 55 00-0350)		
02 90 55 00-0485 EA Brush - Brass For Emergency Clean-up.....	6.78	
02 90 55 00-0486 EA 1" Brush, Natural Bristle For Emergency Clean-up.....	2.17	
02 90 55 00-0487 EA 1/2" Brush, Natural Bristle For Emergency Clean-up.....	1.81	
02 90 55 00-0488 EA 1/4" Brush, Natural Bristle For Emergency Clean-up.....	1.54	
02 90 55 00-0489 EA Brush - Parts For Emergency Clean-up.....	9.40	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0490 EA Brush - Plastic For Emergency Clean-up	4.88	
02 90 55 00-0491 EA Brush - Wire Grout For Emergency Clean-up	9.85	
02 90 55 00-0492 EA Brushing Tool For Emergency Clean-up	19.00	
02 90 55 00-0493 EA Cleaning Swabs, Cotton For Emergency Clean-up	0.45	
02 90 55 00-0494 EA Cleaning Swabs, Foam Tip For Emergency Clean-up	0.54	
02 90 55 00-0495 EA Contact Restorer, Per Can For Emergency Clean-up	41.09	
02 90 55 00-0496 EA Contact Spray, Per Can For Emergency Clean-up	27.96	
02 90 55 00-0497 UNT Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	4.34	
02 90 55 00-0498 UNT Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	12.42	
02 90 55 00-0499 UNT Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	16.10	
02 90 55 00-0500 LB Cotton Cleaning Cloths For Emergency Clean-up	25.41	
02 90 55 00-0501 EA 12" x 17" Dust Cloths For Emergency Clean-up	0.40	
02 90 55 00-0502 EA 24" x 24" Dust Cloths For Emergency Clean-up	1.11	
02 90 55 00-0503 EA Deoxidizing Agent, Per Can For Emergency Clean-up	19.91	
02 90 55 00-0504 GAL Electronic Grade Detergent For Emergency Clean-up	42.22	
02 90 55 00-0505 SHT Inventory Labels For Emergency Clean-up	0.23	
02 90 55 00-0506 GAL Isopropyl Alcohol For Emergency Clean-up	111.89	
02 90 55 00-0507 GAL Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	163.19	
02 90 55 00-0508 GAL PC Board Detergent For Emergency Clean-up	116.06	
02 90 55 00-0509 GAL Rust Inhibitor, Regular Duty For Emergency Clean-up	188.05	
02 90 55 00-0510 GAL Rust Inhibitor, Moderate Duty For Emergency Clean-up	189.46	
02 90 55 00-0511 GAL Rust Inhibitor, Severe Duty For Emergency Clean-up	202.51	
02 90 55 00-0512 LB Wipes, Lint Free Cloths For Emergency Clean-up	7.11	
02 90 55 00-0513 EA Wire Marker Card For Emergency Clean-up	3.16	
02 90 55 00-0514 EA Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.59	

END OF SECTION 02

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



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

THIS PAGE INTENTIONALLY LEFT BLANK



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

05 Metals

05 05 Common Work Results for Metals (05)

05 05 19 Post-Installed Concrete Anchors (05 05)

- 05 05 19 00-0001 Concrete And Masonry Anchors (05 05 19)
- 05 05 19 00-0002 Expansion Anchors (05 05 19 00-0001)
Note: Includes drilling.
- 05 05 19 00-0003 Wedge Expansion Bolt Anchors (05 05 19 00-0002)
- 05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)
Note: Includes nut and washer.

05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	12.55		
	For >10 To 50, Deduct	-0.60		
	For >50 To 100, Deduct	-1.21		
	For >100, Deduct	-2.42		
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	12.65		
	For >10 To 50, Deduct	-0.60		
	For >50 To 100, Deduct	-1.21		
	For >100, Deduct	-2.43		
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	13.02		
	For >10 To 50, Deduct	-0.61		
	For >50 To 100, Deduct	-1.25		
	For >100, Deduct	-2.49		
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	15.39		
	For >10 To 50, Deduct	-0.73		
	For >50 To 100, Deduct	-1.48		
	For >100, Deduct	-2.95		
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	15.46		
	For >10 To 50, Deduct	-0.73		
	For >50 To 100, Deduct	-1.48		
	For >100, Deduct	-2.96		
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	15.48		
	For >10 To 50, Deduct	-0.73		
	For >50 To 100, Deduct	-1.48		
	For >100, Deduct	-2.96		
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	15.75		
	For >10 To 50, Deduct	-0.73		
	For >50 To 100, Deduct	-1.48		
	For >100, Deduct	-2.97		
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.20		
	For >10 To 50, Deduct	-1.03		
	For >50 To 100, Deduct	-2.11		
	For >100, Deduct	-4.21		
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.26		
	For >10 To 50, Deduct	-1.03		
	For >50 To 100, Deduct	-2.11		
	For >100, Deduct	-4.22		
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.37		
	For >10 To 50, Deduct	-1.03		
	For >50 To 100, Deduct	-2.11		
	For >100, Deduct	-4.22		
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.67		
	For >10 To 50, Deduct	-1.03		
	For >50 To 100, Deduct	-2.12		
	For >100, Deduct	-4.24		
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.09		
	For >10 To 50, Deduct	-1.03		
	For >50 To 100, Deduct	-2.13		
	For >100, Deduct	-4.26		
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	28.59		
	For >10 To 50, Deduct	-1.28		
	For >50 To 100, Deduct	-2.63		
	For >100, Deduct	-5.26		
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	28.68		
	For >10 To 50, Deduct	-1.28		
	For >50 To 100, Deduct	-2.63		
	For >100, Deduct	-5.26		
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	28.87		
	For >10 To 50, Deduct	-1.28		
	For >50 To 100, Deduct	-2.64		
	For >100, Deduct	-5.27		
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	29.24		
	For >10 To 50, Deduct	-1.28		
	For >50 To 100, Deduct	-2.65		
	For >100, Deduct	-5.29		
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	29.61		
	For >10 To 50, Deduct	-1.28		
	For >50 To 100, Deduct	-2.65		
	For >100, Deduct	-5.31		

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.53	
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-2.73	
			<i>For >100, Deduct</i>	-5.45	
05 05 19 00-0023	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	35.03	
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-2.79	
			<i>For >100, Deduct</i>	-5.58	
05 05 19 00-0024	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	34.42	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.14	
			<i>For >100, Deduct</i>	-6.28	
05 05 19 00-0025	EA		3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	34.50	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.14	
			<i>For >100, Deduct</i>	-6.28	
05 05 19 00-0026	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	34.95	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.15	
			<i>For >100, Deduct</i>	-6.30	
05 05 19 00-0027	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	35.49	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.17	
			<i>For >100, Deduct</i>	-6.33	
05 05 19 00-0028	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	36.10	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.18	
			<i>For >100, Deduct</i>	-6.36	
05 05 19 00-0029	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	38.45	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.24	
			<i>For >100, Deduct</i>	-6.48	
05 05 19 00-0030	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	41.56	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.32	
			<i>For >100, Deduct</i>	-6.64	
05 05 19 00-0031	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	45.08	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.41	
			<i>For >100, Deduct</i>	-6.81	
05 05 19 00-0032	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	44.54	
			<i>For >10 To 50, Deduct</i>	-1.65	
			<i>For >50 To 100, Deduct</i>	-3.59	
			<i>For >100, Deduct</i>	-7.17	
05 05 19 00-0033	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	46.39	
			<i>For >10 To 50, Deduct</i>	-1.65	
			<i>For >50 To 100, Deduct</i>	-3.63	
			<i>For >100, Deduct</i>	-7.26	
05 05 19 00-0034	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	48.84	
			<i>For >10 To 50, Deduct</i>	-1.65	
			<i>For >50 To 100, Deduct</i>	-3.69	
			<i>For >100, Deduct</i>	-7.39	
05 05 19 00-0035	EA		1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	55.53	
			<i>For >10 To 50, Deduct</i>	-2.13	
			<i>For >50 To 100, Deduct</i>	-4.59	
			<i>For >100, Deduct</i>	-9.17	
05 05 19 00-0036	EA		1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	59.01	
			<i>For >10 To 50, Deduct</i>	-2.13	
			<i>For >50 To 100, Deduct</i>	-4.67	
			<i>For >100, Deduct</i>	-9.35	
05 05 19 00-0037	EA		1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	62.46	
			<i>For >10 To 50, Deduct</i>	-2.13	
			<i>For >50 To 100, Deduct</i>	-4.76	
			<i>For >100, Deduct</i>	-9.52	
05 05 19 00-0038	EA		1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	72.14	
			<i>For >10 To 50, Deduct</i>	-2.73	
			<i>For >50 To 100, Deduct</i>	-5.90	
			<i>For >100, Deduct</i>	-11.80	
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	74.62	
			<i>For >10 To 50, Deduct</i>	-2.73	
			<i>For >50 To 100, Deduct</i>	-5.96	
			<i>For >100, Deduct</i>	-11.92	
05 05 19 00-0040			304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.61	
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.24	
			<i>For >100, Deduct</i>	-2.47	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.00	
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.25	
			<i>For >100, Deduct</i>	-2.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043 EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.55	
<i>For >10 To 50, Deduct</i>	-0.61	
<i>For >50 To 100, Deduct</i>	-1.28	
<i>For >100, Deduct</i>	-2.57	
05 05 19 00-0044 EA 3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.33	
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-1.52	
<i>For >100, Deduct</i>	-3.05	
05 05 19 00-0045 EA 3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.66	
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-1.53	
<i>For >100, Deduct</i>	-3.07	
05 05 19 00-0046 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.89	
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-1.54	
<i>For >100, Deduct</i>	-3.08	
05 05 19 00-0047 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.69	
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-1.58	
<i>For >100, Deduct</i>	-3.17	
05 05 19 00-0048 EA 1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.50	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.21	
<i>For >100, Deduct</i>	-4.43	
05 05 19 00-0049 EA 1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.12	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.23	
<i>For >100, Deduct</i>	-4.46	
05 05 19 00-0050 EA 1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.48	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.24	
<i>For >100, Deduct</i>	-4.48	
05 05 19 00-0051 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.12	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.28	
<i>For >100, Deduct</i>	-4.56	
05 05 19 00-0052 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.58	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.34	
<i>For >100, Deduct</i>	-4.68	
05 05 19 00-0053 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	37.32	
<i>For >10 To 50, Deduct</i>	-1.28	
<i>For >50 To 100, Deduct</i>	-2.85	
<i>For >100, Deduct</i>	-5.69	
05 05 19 00-0054 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	38.92	
<i>For >10 To 50, Deduct</i>	-1.28	
<i>For >50 To 100, Deduct</i>	-2.89	
<i>For >100, Deduct</i>	-5.77	
05 05 19 00-0055 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	40.66	
<i>For >10 To 50, Deduct</i>	-1.28	
<i>For >50 To 100, Deduct</i>	-2.93	
<i>For >100, Deduct</i>	-5.86	
05 05 19 00-0056 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	42.96	
<i>For >10 To 50, Deduct</i>	-1.28	
<i>For >50 To 100, Deduct</i>	-2.99	
<i>For >100, Deduct</i>	-5.98	
05 05 19 00-0057 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	53.07	
<i>For >10 To 50, Deduct</i>	-1.28	
<i>For >50 To 100, Deduct</i>	-3.24	
<i>For >100, Deduct</i>	-6.48	
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	44.54	
<i>For >10 To 50, Deduct</i>	-1.52	
<i>For >50 To 100, Deduct</i>	-3.39	
<i>For >100, Deduct</i>	-6.78	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	47.80	
<i>For >10 To 50, Deduct</i>	-1.52	
<i>For >50 To 100, Deduct</i>	-3.47	
<i>For >100, Deduct</i>	-6.95	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	50.58	
<i>For >10 To 50, Deduct</i>	-1.52	
<i>For >50 To 100, Deduct</i>	-3.54	
<i>For >100, Deduct</i>	-7.08	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	50.92	
<i>For >10 To 50, Deduct</i>	-1.52	
<i>For >50 To 100, Deduct</i>	-3.55	
<i>For >100, Deduct</i>	-7.10	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	53.53	
<i>For >10 To 50, Deduct</i>	-1.52	
<i>For >50 To 100, Deduct</i>	-3.62	
<i>For >100, Deduct</i>	-7.23	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	60.31	
<i>For >10 To 50, Deduct</i>	-1.52	
<i>For >50 To 100, Deduct</i>	-3.79	
<i>For >100, Deduct</i>	-7.57	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	69.87	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-4.03	
			<i>For >100, Deduct</i>	-8.05	
05 05 19 00-0065	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	70.67	
			<i>For >10 To 50, Deduct</i>	-1.65	
			<i>For >50 To 100, Deduct</i>	-4.24	
			<i>For >100, Deduct</i>	-8.48	
05 05 19 00-0066	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	101.80	
			<i>For >10 To 50, Deduct</i>	-2.13	
			<i>For >50 To 100, Deduct</i>	-5.74	
			<i>For >100, Deduct</i>	-11.49	
05 05 19 00-0067	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	115.93	
			<i>For >10 To 50, Deduct</i>	-2.13	
			<i>For >50 To 100, Deduct</i>	-6.10	
			<i>For >100, Deduct</i>	-12.19	
05 05 19 00-0068			316 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0069	EA		1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.94	
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.25	
			<i>For >100, Deduct</i>	-2.49	
05 05 19 00-0070	EA		1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.69	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.29	
			<i>For >100, Deduct</i>	-2.58	
05 05 19 00-0071	EA		3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.40	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-1.55	
			<i>For >100, Deduct</i>	-3.10	
05 05 19 00-0072	EA		3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.97	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100, Deduct</i>	-3.13	
05 05 19 00-0073	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.11	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100, Deduct</i>	-3.14	
05 05 19 00-0074	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.82	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-1.64	
			<i>For >100, Deduct</i>	-3.27	
05 05 19 00-0075	EA		1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.10	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.28	
			<i>For >100, Deduct</i>	-4.56	
05 05 19 00-0076	EA		1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.67	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.32	
			<i>For >100, Deduct</i>	-4.64	
05 05 19 00-0077	EA		1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	33.53	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.39	
			<i>For >100, Deduct</i>	-4.78	
05 05 19 00-0078	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.24	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.41	
			<i>For >100, Deduct</i>	-4.81	
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	46.08	
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-3.07	
			<i>For >100, Deduct</i>	-6.13	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	46.94	
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-3.09	
			<i>For >100, Deduct</i>	-6.18	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	56.80	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.70	
			<i>For >100, Deduct</i>	-7.40	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	60.37	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.79	
			<i>For >100, Deduct</i>	-7.57	
05 05 19 00-0083			Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	24.57	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.17	
			<i>For >100, Deduct</i>	-4.33	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085	EA			1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	25.60	
				<i>For >10 To 50, Deduct</i>	-1.03	
				<i>For >50 To 100, Deduct</i>	-2.19	
				<i>For >100, Deduct</i>	-4.38	
05 05 19 00-0086	EA			1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	26.62	
				<i>For >10 To 50, Deduct</i>	-1.03	
				<i>For >50 To 100, Deduct</i>	-2.22	
				<i>For >100, Deduct</i>	-4.43	
05 05 19 00-0087	EA			1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	27.14	
				<i>For >10 To 50, Deduct</i>	-1.03	
				<i>For >50 To 100, Deduct</i>	-2.23	
				<i>For >100, Deduct</i>	-4.46	
05 05 19 00-0088	EA			5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	32.90	
				<i>For >10 To 50, Deduct</i>	-1.28	
				<i>For >50 To 100, Deduct</i>	-2.74	
				<i>For >100, Deduct</i>	-5.47	
05 05 19 00-0089	EA			5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	31.67	
				<i>For >10 To 50, Deduct</i>	-1.28	
				<i>For >50 To 100, Deduct</i>	-2.71	
				<i>For >100, Deduct</i>	-5.41	
05 05 19 00-0090	EA			3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	41.86	
				<i>For >10 To 50, Deduct</i>	-1.52	
				<i>For >50 To 100, Deduct</i>	-3.32	
				<i>For >100, Deduct</i>	-6.65	
05 05 19 00-0091	EA			3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	42.99	
				<i>For >10 To 50, Deduct</i>	-1.52	
				<i>For >50 To 100, Deduct</i>	-3.35	
				<i>For >100, Deduct</i>	-6.71	
05 05 19 00-0092	EA			3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	48.54	
				<i>For >10 To 50, Deduct</i>	-1.52	
				<i>For >50 To 100, Deduct</i>	-3.49	
				<i>For >100, Deduct</i>	-6.98	
05 05 19 00-0093	EA			1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	54.46	
				<i>For >10 To 50, Deduct</i>	-2.13	
				<i>For >50 To 100, Deduct</i>	-4.56	
				<i>For >100, Deduct</i>	-9.12	
05 05 19 00-0094	EA			1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	57.66	
				<i>For >10 To 50, Deduct</i>	-2.13	
				<i>For >50 To 100, Deduct</i>	-4.64	
				<i>For >100, Deduct</i>	-9.28	
05 05 19 00-0095	EA			1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	60.82	
				<i>For >10 To 50, Deduct</i>	-2.13	
				<i>For >50 To 100, Deduct</i>	-4.72	
				<i>For >100, Deduct</i>	-9.44	
05 05 19 00-0096				Concrete Sleeve Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097				Zinc Plated Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0096)</small>		
				Note: Includes nut and washer.		
05 05 19 00-0098	EA			1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.66	
				<i>For >10 To 50, Deduct</i>	-0.61	
				<i>For >50 To 100, Deduct</i>	-1.23	
				<i>For >100, Deduct</i>	-2.47	
05 05 19 00-0099	EA			1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.79	
				<i>For >10 To 50, Deduct</i>	-0.61	
				<i>For >50 To 100, Deduct</i>	-1.24	
				<i>For >100, Deduct</i>	-2.47	
05 05 19 00-0100	EA			1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.95	
				<i>For >10 To 50, Deduct</i>	-0.61	
				<i>For >50 To 100, Deduct</i>	-1.24	
				<i>For >100, Deduct</i>	-2.48	
05 05 19 00-0101	EA			5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.33	
				<i>For >10 To 50, Deduct</i>	-0.64	
				<i>For >50 To 100, Deduct</i>	-1.30	
				<i>For >100, Deduct</i>	-2.59	
05 05 19 00-0102	EA			5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.45	
				<i>For >10 To 50, Deduct</i>	-0.64	
				<i>For >50 To 100, Deduct</i>	-1.30	
				<i>For >100, Deduct</i>	-2.60	
05 05 19 00-0103	EA			3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.10	
				<i>For >10 To 50, Deduct</i>	-0.73	
				<i>For >50 To 100, Deduct</i>	-1.47	
				<i>For >100, Deduct</i>	-2.93	
05 05 19 00-0104	EA			3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.32	
				<i>For >10 To 50, Deduct</i>	-0.73	
				<i>For >50 To 100, Deduct</i>	-1.47	
				<i>For >100, Deduct</i>	-2.95	
05 05 19 00-0105	EA			3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.54	
				<i>For >10 To 50, Deduct</i>	-0.73	
				<i>For >50 To 100, Deduct</i>	-1.48	
				<i>For >100, Deduct</i>	-2.96	
05 05 19 00-0106	EA			1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.69	
				<i>For >10 To 50, Deduct</i>	-1.03	
				<i>For >50 To 100, Deduct</i>	-2.09	
				<i>For >100, Deduct</i>	-4.18	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.97	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.10	
			<i>For >100, Deduct</i>	-4.20	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.22	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.10	
			<i>For >100, Deduct</i>	-4.21	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.51	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.11	
			<i>For >100, Deduct</i>	-4.22	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	27.13	
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-2.59	
			<i>For >100, Deduct</i>	-5.18	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	27.56	
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-2.60	
			<i>For >100, Deduct</i>	-5.21	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	27.88	
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-2.61	
			<i>For >100, Deduct</i>	-5.22	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	28.80	
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-2.63	
			<i>For >100, Deduct</i>	-5.27	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	33.06	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.10	
			<i>For >100, Deduct</i>	-6.21	
05 05 19 00-0115	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	33.85	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.12	
			<i>For >100, Deduct</i>	-6.25	
05 05 19 00-0116	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	34.57	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.14	
			<i>For >100, Deduct</i>	-6.28	
05 05 19 00-0117	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	35.71	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.17	
			<i>For >100, Deduct</i>	-6.34	
05 05 19 00-0118			304/18-8 Stainless Steel, Concrete Sleeve Anchors (05 05 19 00-0096)		
			Note: Includes nut and washer.		
05 05 19 00-0119	EA		1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	14.27	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100, Deduct</i>	-2.55	
05 05 19 00-0120	EA		3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	18.37	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-1.55	
			<i>For >100, Deduct</i>	-3.10	
05 05 19 00-0121	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	19.89	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100, Deduct</i>	-3.17	
05 05 19 00-0122	EA		1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	27.16	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.23	
			<i>For >100, Deduct</i>	-4.46	
05 05 19 00-0123	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	29.90	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.30	
			<i>For >100, Deduct</i>	-4.59	
05 05 19 00-0124	EA		5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	40.41	
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-2.92	
			<i>For >100, Deduct</i>	-5.85	
05 05 19 00-0125			Concrete Strike Anchors (05 05 19 00-0002)		
			Note: Includes nut and washer.		
05 05 19 00-0126	EA		1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	13.30	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.25	
			<i>For >100, Deduct</i>	-2.50	
05 05 19 00-0127	EA		1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	13.53	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.25	
			<i>For >100, Deduct</i>	-2.51	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128	EA			5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....14.13		
				<i>For >10 To 50, Deduct</i>	-0.64	
				<i>For >50 To 100, Deduct</i>	-1.32	
				<i>For >100, Deduct</i>	-2.63	
05 05 19 00-0129	EA			5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor .....15.06		
				<i>For >10 To 50, Deduct</i>	-0.64	
				<i>For >50 To 100, Deduct</i>	-1.34	
				<i>For >100, Deduct</i>	-2.68	
05 05 19 00-0130	EA			3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor .....16.11		
				<i>For >10 To 50, Deduct</i>	-0.73	
				<i>For >50 To 100, Deduct</i>	-1.49	
				<i>For >100, Deduct</i>	-2.99	
05 05 19 00-0131	EA			3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor .....16.80		
				<i>For >10 To 50, Deduct</i>	-0.73	
				<i>For >50 To 100, Deduct</i>	-1.51	
				<i>For >100, Deduct</i>	-3.02	
05 05 19 00-0132	EA			3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor .....17.34		
				<i>For >10 To 50, Deduct</i>	-0.73	
				<i>For >50 To 100, Deduct</i>	-1.52	
				<i>For >100, Deduct</i>	-3.05	
05 05 19 00-0133	EA			1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....23.41		
				<i>For >10 To 50, Deduct</i>	-1.03	
				<i>For >50 To 100, Deduct</i>	-2.13	
				<i>For >100, Deduct</i>	-4.27	
05 05 19 00-0134	EA			1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor .....23.83		
				<i>For >10 To 50, Deduct</i>	-1.03	
				<i>For >50 To 100, Deduct</i>	-2.14	
				<i>For >100, Deduct</i>	-4.29	
05 05 19 00-0135	EA			1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....25.05		
				<i>For >10 To 50, Deduct</i>	-1.03	
				<i>For >50 To 100, Deduct</i>	-2.18	
				<i>For >100, Deduct</i>	-4.35	
05 05 19 00-0136	EA			1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor .....26.63		
				<i>For >10 To 50, Deduct</i>	-1.03	
				<i>For >50 To 100, Deduct</i>	-2.21	
				<i>For >100, Deduct</i>	-4.43	
05 05 19 00-0137	EA			5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor .....30.79		
				<i>For >10 To 50, Deduct</i>	-1.28	
				<i>For >50 To 100, Deduct</i>	-2.68	
				<i>For >100, Deduct</i>	-5.37	
05 05 19 00-0138	EA			5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....32.25		
				<i>For >10 To 50, Deduct</i>	-1.28	
				<i>For >50 To 100, Deduct</i>	-2.72	
				<i>For >100, Deduct</i>	-5.44	
05 05 19 00-0139	EA			5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor .....33.53		
				<i>For >10 To 50, Deduct</i>	-1.28	
				<i>For >50 To 100, Deduct</i>	-2.75	
				<i>For >100, Deduct</i>	-5.50	
05 05 19 00-0140	EA			3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor .....39.13		
				<i>For >10 To 50, Deduct</i>	-1.52	
				<i>For >50 To 100, Deduct</i>	-3.26	
				<i>For >100, Deduct</i>	-6.51	
05 05 19 00-0141	EA			3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor .....40.50		
				<i>For >10 To 50, Deduct</i>	-1.52	
				<i>For >50 To 100, Deduct</i>	-3.29	
				<i>For >100, Deduct</i>	-6.58	
05 05 19 00-0142				Multi-Set Drop-In Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0143				Zinc Plated Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
				Note: Excludes bolt, nut and washer.		
05 05 19 00-0144	EA			1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....17.59		
				<i>For >10 To 50, Deduct</i>	-0.85	
				<i>For >50 To 100, Deduct</i>	-1.72	
				<i>For >100, Deduct</i>	-3.43	
05 05 19 00-0145	EA			3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....21.50		
				<i>For >10 To 50, Deduct</i>	-1.04	
				<i>For >50 To 100, Deduct</i>	-2.09	
				<i>For >100, Deduct</i>	-4.19	
05 05 19 00-0146	EA			1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....26.07		
				<i>For >10 To 50, Deduct</i>	-1.22	
				<i>For >50 To 100, Deduct</i>	-2.49	
				<i>For >100, Deduct</i>	-4.97	
05 05 19 00-0147	EA			5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....29.42		
				<i>For >10 To 50, Deduct</i>	-1.34	
				<i>For >50 To 100, Deduct</i>	-2.75	
				<i>For >100, Deduct</i>	-5.50	
05 05 19 00-0148	EA			3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....34.96		
				<i>For >10 To 50, Deduct</i>	-1.53	
				<i>For >50 To 100, Deduct</i>	-3.17	
				<i>For >100, Deduct</i>	-6.33	
05 05 19 00-0149				304/18-8 Stainless Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
				Note: Excludes bolt, nut and washer.		

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150	EA		1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	20.86	
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-1.80	
			<i>For >100, Deduct</i>	-3.59	
05 05 19 00-0151	EA		3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	27.63	
			<i>For >10 To 50, Deduct</i>	-1.04	
			<i>For >50 To 100, Deduct</i>	-2.25	
			<i>For >100, Deduct</i>	-4.49	
05 05 19 00-0152	EA		1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	34.24	
			<i>For >10 To 50, Deduct</i>	-1.22	
			<i>For >50 To 100, Deduct</i>	-2.69	
			<i>For >100, Deduct</i>	-5.38	
05 05 19 00-0153	EA		5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	42.57	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-3.08	
			<i>For >100, Deduct</i>	-6.16	
05 05 19 00-0154	EA		3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	57.56	
			<i>For >10 To 50, Deduct</i>	-1.53	
			<i>For >50 To 100, Deduct</i>	-3.73	
			<i>For >100, Deduct</i>	-7.46	
05 05 19 00-0155			Single Bolt Expansion Anchors (05 05 19 00-0002)		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA		1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	12.85	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.24	
			<i>For >100, Deduct</i>	-2.48	
05 05 19 00-0157	EA		5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	13.69	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.30	
			<i>For >100, Deduct</i>	-2.61	
05 05 19 00-0158	EA		3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	15.49	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-1.48	
			<i>For >100, Deduct</i>	-2.95	
05 05 19 00-0159	EA		1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	22.51	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.11	
			<i>For >100, Deduct</i>	-4.22	
05 05 19 00-0160	EA		5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	30.61	
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-2.68	
			<i>For >100, Deduct</i>	-5.36	
05 05 19 00-0161	EA		3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	36.85	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.20	
			<i>For >100, Deduct</i>	-6.40	
05 05 19 00-0162			Concrete Lag Shield Anchors (05 05 19 00-0002)		
			Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA		1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	12.91	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.24	
			<i>For >100, Deduct</i>	-2.48	
05 05 19 00-0164	EA		5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	15.36	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-1.47	
			<i>For >100, Deduct</i>	-2.95	
05 05 19 00-0165	EA		3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	15.92	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-1.49	
			<i>For >100, Deduct</i>	-2.98	
05 05 19 00-0166	EA		1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	22.47	
			<i>For >10 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-2.11	
			<i>For >100, Deduct</i>	-4.22	
05 05 19 00-0167	EA		5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	29.74	
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-2.66	
			<i>For >100, Deduct</i>	-5.32	
05 05 19 00-0168	EA		3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	33.71	
			<i>For >10 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-3.12	
			<i>For >100, Deduct</i>	-6.24	
05 05 19 00-0169			Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170			Chemically Adhered Anchor Rods (05 05 19 00-0169)		
			Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171 EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod.....	16.02	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.41	
<i>For >100, Deduct</i>	-2.82	
05 05 19 00-0172 EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod.....	18.43	
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-1.56	
<i>For >100, Deduct</i>	-3.12	
05 05 19 00-0173 EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod.....	22.89	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-1.95	
<i>For >100, Deduct</i>	-3.89	
05 05 19 00-0174 EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod.....	26.67	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.22	
<i>For >100, Deduct</i>	-4.43	
05 05 19 00-0175 EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod.....	28.04	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.25	
<i>For >100, Deduct</i>	-4.50	
05 05 19 00-0176 EA 5/8" x 7" Long Chemically Adhered Anchor Rod.....	34.70	
<i>For >10 To 50, Deduct</i>	-1.28	
<i>For >50 To 100, Deduct</i>	-2.78	
<i>For >100, Deduct</i>	-5.56	
05 05 19 00-0177 EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod.....	44.59	
<i>For >10 To 50, Deduct</i>	-1.52	
<i>For >50 To 100, Deduct</i>	-3.39	
<i>For >100, Deduct</i>	-6.79	
05 05 19 00-0178 EA 7/8" x 10" Long Chemically Adhered Anchor Rod.....	52.31	
<i>For >10 To 50, Deduct</i>	-1.64	
<i>For >50 To 100, Deduct</i>	-3.77	
<i>For >100, Deduct</i>	-7.55	
05 05 19 00-0179 EA 1" x 11-3/4" Long Chemically Adhered Anchor Rod.....	71.09	
<i>For >10 To 50, Deduct</i>	-2.13	
<i>For >50 To 100, Deduct</i>	-4.98	
<i>For >100, Deduct</i>	-9.95	
05 05 19 00-0180 EA 1-1/4" x 14" Long Chemically Adhered Anchor Rod.....	100.76	
<i>For >10 To 50, Deduct</i>	-2.69	
<i>For >50 To 100, Deduct</i>	-6.55	
<i>For >100, Deduct</i>	-13.10	
05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod (05 05 19 00-0169)		
Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored.		
Includes drilling. Excludes bolt, dowel or rod.		
05 05 19 00-0182 EA 1/4" Chemical Adhesive For Bolt Or Threaded Rod.....	13.76	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.35	
<i>For >100, Deduct</i>	-2.70	
05 05 19 00-0183 EA 5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	15.07	
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-1.48	
<i>For >100, Deduct</i>	-2.95	
05 05 19 00-0184 EA 3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	18.86	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-1.85	
<i>For >100, Deduct</i>	-3.69	
05 05 19 00-0185 EA 1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	21.40	
<i>For >10 To 50, Deduct</i>	-1.03	
<i>For >50 To 100, Deduct</i>	-2.08	
<i>For >100, Deduct</i>	-4.17	
05 05 19 00-0186 EA 5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	27.34	
<i>For >10 To 50, Deduct</i>	-1.28	
<i>For >50 To 100, Deduct</i>	-2.60	
<i>For >100, Deduct</i>	-5.20	
05 05 19 00-0187 EA 3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	33.56	
<i>For >10 To 50, Deduct</i>	-1.52	
<i>For >50 To 100, Deduct</i>	-3.12	
<i>For >100, Deduct</i>	-6.23	
05 05 19 00-0188 EA 7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	37.14	
<i>For >10 To 50, Deduct</i>	-1.64	
<i>For >50 To 100, Deduct</i>	-3.39	
<i>For >100, Deduct</i>	-6.79	
05 05 19 00-0189 EA 1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	49.03	
<i>For >10 To 50, Deduct</i>	-2.13	
<i>For >50 To 100, Deduct</i>	-4.42	
<i>For >100, Deduct</i>	-8.85	
05 05 19 00-0190 EA 1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	56.07	
<i>For >10 To 50, Deduct</i>	-2.41	
<i>For >50 To 100, Deduct</i>	-5.02	
<i>For >100, Deduct</i>	-10.04	
05 05 19 00-0191 EA 1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	63.98	
<i>For >10 To 50, Deduct</i>	-2.69	
<i>For >50 To 100, Deduct</i>	-5.63	
<i>For >100, Deduct</i>	-11.26	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0192	EA		1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	68.99	
			<i>For >10 To 50, Deduct</i>	-2.81	
			<i>For >50 To 100, Deduct</i>	-5.94	
			<i>For >100, Deduct</i>	-11.88	
05 05 19 00-0193	EA		1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	75.68	
			<i>For >10 To 50, Deduct</i>	-2.93	
			<i>For >50 To 100, Deduct</i>	-6.29	
			<i>For >100, Deduct</i>	-12.58	
05 05 19 00-0194	EA		1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	89.09	
			<i>For >10 To 50, Deduct</i>	-3.18	
			<i>For >50 To 100, Deduct</i>	-6.99	
			<i>For >100, Deduct</i>	-13.99	
05 05 19 00-0195	EA		2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	117.07	
			<i>For >10 To 50, Deduct</i>	-3.30	
			<i>For >50 To 100, Deduct</i>	-7.88	
			<i>For >100, Deduct</i>	-15.75	
05 05 19 00-0196			Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)		
05 05 19 00-0197	EA		Grout Concrete Anchor Bolt or Threaded Rod.....	4.54	
			<i>For >10 To 50, Deduct</i>	-0.22	
			<i>For >50 To 100, Deduct</i>	-0.44	
			<i>For >100, Deduct</i>	-0.88	
05 05 19 00-0198			Other Concrete And Masonry Anchors (05 05 19 00-0001)		
05 05 19 00-0199			Tapcon Masonry Screws (05 05 19 00-0198)		
			Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA		3/16" x 1-1/4" Tapcon Masonry Screw.....	12.48	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100, Deduct</i>	-2.46	
05 05 19 00-0201	EA		3/16" x 2-1/4" Tapcon Masonry Screw.....	12.54	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100, Deduct</i>	-2.46	
05 05 19 00-0202	EA		3/16" x 3-1/4" Tapcon Masonry Screw.....	12.69	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100, Deduct</i>	-2.47	
05 05 19 00-0203	EA		1/4" x 1-1/4" Tapcon Masonry Screw.....	12.56	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100, Deduct</i>	-2.46	
05 05 19 00-0204	EA		1/4" x 2-1/4" Tapcon Masonry Screw.....	12.64	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100, Deduct</i>	-2.47	
05 05 19 00-0205	EA		1/4" x 3-1/4" Tapcon Masonry Screw.....	12.81	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.24	
			<i>For >100, Deduct</i>	-2.47	
05 05 19 00-0206			Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0199)		
			Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA		3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	13.51	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.25	
			<i>For >100, Deduct</i>	-2.51	
05 05 19 00-0208	EA		3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	13.98	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100, Deduct</i>	-2.53	
05 05 19 00-0209	EA		3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	14.11	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100, Deduct</i>	-2.54	
05 05 19 00-0210	EA		3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	14.33	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100, Deduct</i>	-2.55	
05 05 19 00-0211	EA		3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	14.52	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.28	
			<i>For >100, Deduct</i>	-2.56	
05 05 19 00-0212	EA		1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	14.93	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.29	
			<i>For >100, Deduct</i>	-2.58	
05 05 19 00-0213	EA		1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	15.43	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.30	
			<i>For >100, Deduct</i>	-2.60	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214	EA			1/2" x 5", Large Diameter, Self-Threading Concrete Fastener .....15.89		
				<i>For >10 To 50, Deduct</i>	-0.61	
				<i>For >50 To 100, Deduct</i>	-1.31	
				<i>For >100, Deduct</i>	-2.63	
05 05 19 00-0215	EA			1/2" x 6", Large Diameter, Self-Threading Concrete Fastener .....17.17		
				<i>For >10 To 50, Deduct</i>	-0.61	
				<i>For >50 To 100, Deduct</i>	-1.35	
				<i>For >100, Deduct</i>	-2.69	
05 05 19 00-0216	EA			5/8" x 3", Large Diameter, Self-Threading Concrete Fastener .....17.33		
				<i>For >10 To 50, Deduct</i>	-0.61	
				<i>For >50 To 100, Deduct</i>	-1.35	
				<i>For >100, Deduct</i>	-2.70	
05 05 19 00-0217	EA			5/8" x 4", Large Diameter, Self-Threading Concrete Fastener .....18.11		
				<i>For >10 To 50, Deduct</i>	-0.61	
				<i>For >50 To 100, Deduct</i>	-1.37	
				<i>For >100, Deduct</i>	-2.74	
05 05 19 00-0218	EA			5/8" x 5", Large Diameter, Self-Threading Concrete Fastener .....18.92		
				<i>For >10 To 50, Deduct</i>	-0.61	
				<i>For >50 To 100, Deduct</i>	-1.39	
				<i>For >100, Deduct</i>	-2.78	
05 05 19 00-0219	EA			5/8" x 6", Large Diameter, Self-Threading Concrete Fastener .....19.44		
				<i>For >10 To 50, Deduct</i>	-0.61	
				<i>For >50 To 100, Deduct</i>	-1.40	
				<i>For >100, Deduct</i>	-2.81	
05 05 19 00-0220	EA			3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener .....19.21		
				<i>For >10 To 50, Deduct</i>	-0.61	
				<i>For >50 To 100, Deduct</i>	-1.40	
				<i>For >100, Deduct</i>	-2.79	
05 05 19 00-0221	EA			3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener .....19.96		
				<i>For >10 To 50, Deduct</i>	-0.61	
				<i>For >50 To 100, Deduct</i>	-1.42	
				<i>For >100, Deduct</i>	-2.83	
05 05 19 00-0222	EA			3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener .....21.70		
				<i>For >10 To 50, Deduct</i>	-0.61	
				<i>For >50 To 100, Deduct</i>	-1.46	
				<i>For >100, Deduct</i>	-2.92	
05 05 19 00-0223				Pin Bolt Drives (05 05 19 00-0198)		
				Note: Includes drilling. Zinc plated.		
05 05 19 00-0224	EA			1/4" x 1" Pin Bolt Drive .....7.72		
				<i>For >10 To 50, Deduct</i>	-0.37	
				<i>For >50 To 100, Deduct</i>	-0.74	
				<i>For >100, Deduct</i>	-1.49	
05 05 19 00-0225	EA			1/4" x 1-1/4" Pin Bolt Drive .....7.72		
				<i>For >10 To 50, Deduct</i>	-0.37	
				<i>For >50 To 100, Deduct</i>	-0.74	
				<i>For >100, Deduct</i>	-1.49	
05 05 19 00-0226	EA			1/4" x 1-1/2" Pin Bolt Drive .....7.77		
				<i>For >10 To 50, Deduct</i>	-0.37	
				<i>For >50 To 100, Deduct</i>	-0.74	
				<i>For >100, Deduct</i>	-1.49	
05 05 19 00-0227	EA			1/4" x 2" Pin Bolt Drive .....7.79		
				<i>For >10 To 50, Deduct</i>	-0.37	
				<i>For >50 To 100, Deduct</i>	-0.74	
				<i>For >100, Deduct</i>	-1.49	
05 05 19 00-0228				Powder Actuated, Shot-In Place Anchors (05 05 19 00-0198)		
05 05 19 00-0229	EA			0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor .....1.89		
				<i>For >10 To 50, Deduct</i>	-0.08	
				<i>For >50 To 100, Deduct</i>	-0.17	
				<i>For >100, Deduct</i>	-0.34	
05 05 19 00-0230	EA			0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor .....1.99		
				<i>For >10 To 50, Deduct</i>	-0.09	
				<i>For >50 To 100, Deduct</i>	-0.18	
				<i>For >100, Deduct</i>	-0.36	
05 05 19 00-0231	EA			0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor .....2.16		
				<i>For >10 To 50, Deduct</i>	-0.09	
				<i>For >50 To 100, Deduct</i>	-0.19	
				<i>For >100, Deduct</i>	-0.38	
05 05 19 00-0232	EA			0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor .....2.38		
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.41	
05 05 19 00-0233	EA			0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor .....2.48		
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.42	
05 05 19 00-0234				Powder Actuated, Shot-In Place Anchors With Exposed Thread (05 05 19 00-0198)		

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0235 EA 0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor	2.18	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.18	
For >100, Deduct	-0.36	
05 05 19 00-0236 EA 0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	2.93	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.23	
For >100, Deduct	-0.46	
05 05 21 Fastening Methods for Metal <small>(05 05)</small>		
05 05 21 00-0001 Welding <small>(05 05 21)</small>		
05 05 21 00-0002 Minimum Charge For Welding <small>(05 05 21 00-0001)</small>		
05 05 21 00-0003 EA Welding Minimum Charge	477.72	
Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
05 05 21 00-0004 Spot Welding <small>(05 05 21 00-0001)</small>		
See CSI section 05 05 21 00-0007 for a series of welds.		
05 05 21 00-0005 EA Up To 15 Spot Weldings, Welds Up To 1" Length Each	12.24	
For Aluminum Welding, Add	1.91	
For Stainless Steel Welding, Add	3.16	
05 05 21 00-0006 EA >15 Spot Weldings, Welds Up To 1" Length Each	9.55	
For Aluminum Welding, Add	1.51	
For Stainless Steel Welding, Add	2.49	
05 05 21 00-0007 Field Welding (Seam And Stitch Welding) <small>(05 05 21 00-0001)</small>		
05 05 21 00-0008 Vertical Fillet Welds <small>(05 05 21 00-0007)</small>		
Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0009 LF 1/8" Vertical Fillet Weld	7.75	
For Aluminum Welding, Add	1.54	
For Stainless Steel Welding, Add	2.41	
For Up To 25, Add	2.56	
For >25 To 50, Add	1.81	
05 05 21 00-0010 LF 3/16" Vertical Fillet Weld	15.02	
For Aluminum Welding, Add	2.72	
For Stainless Steel Welding, Add	4.34	
For Up To 25, Add	5.06	
For >25 To 50, Add	3.60	
05 05 21 00-0011 LF 1/4" Vertical Fillet Weld	22.54	
For Aluminum Welding, Add	4.10	
For Stainless Steel Welding, Add	6.53	
For Up To 25, Add	7.59	
For >25 To 50, Add	5.40	
05 05 21 00-0012 LF 5/16" Vertical Fillet Weld	29.73	
For Aluminum Welding, Add	5.42	
For Stainless Steel Welding, Add	8.63	
For Up To 25, Add	10.01	
For >25 To 50, Add	7.11	
05 05 21 00-0013 LF 3/8" Vertical Fillet Weld	37.56	
For Aluminum Welding, Add	6.82	
For Stainless Steel Welding, Add	10.87	
For Up To 25, Add	12.65	
For >25 To 50, Add	9.00	
05 05 21 00-0014 LF 7/16" Vertical Fillet Weld	43.71	
For Aluminum Welding, Add	7.49	
For Stainless Steel Welding, Add	12.10	
For Up To 25, Add	14.91	
For >25 To 50, Add	10.62	
05 05 21 00-0015 LF 1/2" Vertical Fillet Weld	51.33	
For Aluminum Welding, Add	9.34	
For Stainless Steel Welding, Add	14.89	
For Up To 25, Add	17.28	
For >25 To 50, Add	12.28	
05 05 21 00-0016 LF 9/16" Vertical Fillet Weld	60.06	
For Aluminum Welding, Add	10.49	
For Stainless Steel Welding, Add	16.86	
For Up To 25, Add	20.41	
For >25 To 50, Add	14.52	
05 05 21 00-0017 LF 5/8" Vertical Fillet Weld	69.63	
For Aluminum Welding, Add	12.19	
For Stainless Steel Welding, Add	19.59	
For Up To 25, Add	23.64	
For >25 To 50, Add	16.83	
05 05 21 00-0018 LF 3/4" Vertical Fillet Weld	93.95	
For Aluminum Welding, Add	17.09	
For Stainless Steel Welding, Add	27.23	
For Up To 25, Add	31.64	
For >25 To 50, Add	22.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0019	LF		7/8" Vertical Fillet Weld.....	139.02	
			<i>For Aluminum Welding, Add</i>	24.20	
			<i>For Stainless Steel Welding, Add</i>	38.93	
			<i>For Up To 25, Add</i>	47.26	
			<i>For >25 To 50, Add</i>	33.64	
05 05 21 00-0020	LF		1" Vertical Fillet Weld.....	187.26	
			<i>For Aluminum Welding, Add</i>	33.69	
			<i>For Stainless Steel Welding, Add</i>	53.81	
			<i>For Up To 25, Add</i>	63.21	
			<i>For >25 To 50, Add</i>	44.95	
05 05 21 00-0021			Horizontal Or Flat Fillet Welds <small>(05 05 21 00-0007)</small>		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0022	LF		1/8" Horizontal Or Flat Fillet Weld.....	6.53	
			<i>For Aluminum Welding, Add</i>	1.36	
			<i>For Stainless Steel Welding, Add</i>	2.11	
			<i>For Up To 25, Add</i>	2.13	
			<i>For >25 To 50, Add</i>	1.51	
05 05 21 00-0023	LF		3/16" Horizontal Or Flat Fillet Weld.....	12.72	
			<i>For Aluminum Welding, Add</i>	2.40	
			<i>For Stainless Steel Welding, Add</i>	3.80	
			<i>For Up To 25, Add</i>	4.25	
			<i>For >25 To 50, Add</i>	3.02	
05 05 21 00-0024	LF		1/4" Horizontal Or Flat Fillet Weld.....	19.02	
			<i>For Aluminum Welding, Add</i>	3.59	
			<i>For Stainless Steel Welding, Add</i>	5.68	
			<i>For Up To 25, Add</i>	6.35	
			<i>For >25 To 50, Add</i>	4.51	
05 05 21 00-0025	LF		5/16" Horizontal Or Flat Fillet Weld.....	25.14	
			<i>For Aluminum Welding, Add</i>	4.78	
			<i>For Stainless Steel Welding, Add</i>	7.55	
			<i>For Up To 25, Add</i>	8.38	
			<i>For >25 To 50, Add</i>	5.95	
05 05 21 00-0026	LF		3/8" Horizontal Or Flat Fillet Weld.....	31.74	
			<i>For Aluminum Welding, Add</i>	5.99	
			<i>For Stainless Steel Welding, Add</i>	9.47	
			<i>For Up To 25, Add</i>	10.60	
			<i>For >25 To 50, Add</i>	7.53	
05 05 21 00-0027	LF		7/16" Horizontal Or Flat Fillet Weld.....	36.78	
			<i>For Aluminum Welding, Add</i>	6.50	
			<i>For Stainless Steel Welding, Add</i>	10.43	
			<i>For Up To 25, Add</i>	12.46	
			<i>For >25 To 50, Add</i>	8.87	
05 05 21 00-0028	LF		1/2" Horizontal Or Flat Fillet Weld.....	43.34	
			<i>For Aluminum Welding, Add</i>	8.22	
			<i>For Stainless Steel Welding, Add</i>	12.99	
			<i>For Up To 25, Add</i>	14.45	
			<i>For >25 To 50, Add</i>	10.26	
05 05 21 00-0029	LF		9/16" Horizontal Or Flat Fillet Weld.....	50.66	
			<i>For Aluminum Welding, Add</i>	9.17	
			<i>For Stainless Steel Welding, Add</i>	14.63	
			<i>For Up To 25, Add</i>	17.08	
			<i>For >25 To 50, Add</i>	12.14	
05 05 21 00-0030	LF		5/8" Horizontal Or Flat Fillet Weld.....	59.00	
			<i>For Aluminum Welding, Add</i>	10.89	
			<i>For Stainless Steel Welding, Add</i>	17.30	
			<i>For Up To 25, Add</i>	19.80	
			<i>For >25 To 50, Add</i>	14.07	
05 05 21 00-0031	LF		3/4" Horizontal Or Flat Fillet Weld.....	79.41	
			<i>For Aluminum Welding, Add</i>	15.06	
			<i>For Stainless Steel Welding, Add</i>	23.78	
			<i>For Up To 25, Add</i>	26.48	
			<i>For >25 To 50, Add</i>	18.80	
05 05 21 00-0032	LF		7/8" Horizontal Or Flat Fillet Weld.....	116.40	
			<i>For Aluminum Welding, Add</i>	20.58	
			<i>For Stainless Steel Welding, Add</i>	33.00	
			<i>For Up To 25, Add</i>	39.44	
			<i>For >25 To 50, Add</i>	28.06	
05 05 21 00-0033	LF		1" Horizontal Or Flat Fillet Weld.....	157.68	
			<i>For Aluminum Welding, Add</i>	29.52	
			<i>For Stainless Steel Welding, Add</i>	46.76	
			<i>For Up To 25, Add</i>	52.74	
			<i>For >25 To 50, Add</i>	37.46	

05 05 23 Metal Fastenings (05 05)

05 05 23 00-0001 **Hex Bolts** (05 05 23)
 Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0157 for drilling into concrete, 02 41 19 13-0167 for drilling into brick or block, 02 41 19 13-0177 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.

05 05 23 00-0002 **A307B Heavy Hex Bolts** (05 05 23 00-0001)
 Note: Includes A307B heavy hex nut and two structural washers.

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0004 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	13.29	1.36
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.18	
For >100, Deduct	-2.37	
05 05 23 00-0005 EA 1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	14.41	1.36
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.21	
For >100, Deduct	-2.42	
05 05 23 00-0006 EA 5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	14.44	1.36
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.21	
For >100, Deduct	-2.43	
05 05 23 00-0007 EA 5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	17.09	1.55
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.80	
05 05 23 00-0008 EA 3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	16.32	1.36
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.26	
For >100, Deduct	-2.52	
05 05 23 00-0009 EA 3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	19.41	1.55
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.46	
For >100, Deduct	-2.91	
05 05 23 00-0010 EA 3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	23.94	1.62
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.62	
For >100, Deduct	-3.23	
05 05 23 00-0011 EA 3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	25.64	1.71
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.71	
For >100, Deduct	-3.42	
05 05 23 00-0012 EA 7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	19.27	1.48
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.41	
For >100, Deduct	-2.81	
05 05 23 00-0013 EA 7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	22.94	1.62
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.59	
For >100, Deduct	-3.18	
05 05 23 00-0014 EA 1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	26.64	1.71
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.74	
For >100, Deduct	-3.47	
05 05 23 00-0015 EA 1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	36.87	1.79
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-2.05	
For >100, Deduct	-4.09	
05 05 23 00-0016 EA 1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	43.03	2.04
For >10 To 50, Deduct	-0.85	
For >50 To 100, Deduct	-2.34	
For >100, Deduct	-4.69	
05 05 23 00-0017 EA 1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	48.24	2.18
For >10 To 50, Deduct	-0.91	
For >50 To 100, Deduct	-2.57	
For >100, Deduct	-5.13	
05 05 23 00-0018 Galvanized A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0019 EA 1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	13.84	1.36
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.20	
For >100, Deduct	-2.40	
05 05 23 00-0020 EA 1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	14.78	1.36
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.22	
For >100, Deduct	-2.44	
05 05 23 00-0021 EA 5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	15.79	1.36
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.25	
For >100, Deduct	-2.49	
05 05 23 00-0022 EA 5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	18.44	1.55
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.43	
For >100, Deduct	-2.87	
05 05 23 00-0023 EA 3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	17.85	1.36
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.30	
For >100, Deduct	-2.60	
05 05 23 00-0024 EA 3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	22.25	1.55
For >10 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.53	
For >100, Deduct	-3.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0025	EA		3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	28.83	1.62
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.74	
			<i>For >100, Deduct</i>	-3.48	
05 05 23 00-0026	EA		3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	33.56	1.71
			<i>For >10 To 50, Deduct</i>	-0.71	
			<i>For >50 To 100, Deduct</i>	-1.91	
			<i>For >100, Deduct</i>	-3.82	
05 05 23 00-0027	EA		7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	23.29	1.48
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.51	
			<i>For >100, Deduct</i>	-3.01	
05 05 23 00-0028	EA		7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	27.48	1.62
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100, Deduct</i>	-3.40	
05 05 23 00-0029	EA		1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	32.49	1.71
			<i>For >10 To 50, Deduct</i>	-0.71	
			<i>For >50 To 100, Deduct</i>	-1.88	
			<i>For >100, Deduct</i>	-3.76	
05 05 23 00-0030	EA		1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	47.47	1.79
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-2.31	
			<i>For >100, Deduct</i>	-4.62	
05 05 23 00-0031	EA		1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	47.78	2.04
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-2.46	
			<i>For >100, Deduct</i>	-4.93	
05 05 23 00-0032	EA		1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	59.22	2.18
			<i>For >10 To 50, Deduct</i>	-0.91	
			<i>For >50 To 100, Deduct</i>	-2.84	
			<i>For >100, Deduct</i>	-5.68	
05 05 23 00-0033			A325 High Strength Structural Bolts (05 05 23 00-0001)		
05 05 23 00-0034			Plain Finish A325 High Strength Structural Bolts (05 05 23 00-0033)		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	13.04	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.18	
			<i>For >100, Deduct</i>	-2.36	
05 05 23 00-0036	EA		1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	13.28	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.18	
			<i>For >100, Deduct</i>	-2.37	
05 05 23 00-0037	EA		5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	14.07	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.20	
			<i>For >100, Deduct</i>	-2.41	
05 05 23 00-0038	EA		5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	17.11	1.55
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.40	
			<i>For >100, Deduct</i>	-2.80	
05 05 23 00-0039	EA		5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	19.57	1.62
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.51	
			<i>For >100, Deduct</i>	-3.01	
05 05 23 00-0040	EA		3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	15.17	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100, Deduct</i>	-2.46	
05 05 23 00-0041	EA		3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	18.27	1.55
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.43	
			<i>For >100, Deduct</i>	-2.86	
05 05 23 00-0042	EA		3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	20.60	1.62
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.53	
			<i>For >100, Deduct</i>	-3.06	
05 05 23 00-0043	EA		3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	24.95	1.71
			<i>For >10 To 50, Deduct</i>	-0.71	
			<i>For >50 To 100, Deduct</i>	-1.69	
			<i>For >100, Deduct</i>	-3.39	
05 05 23 00-0044	EA		7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	17.46	1.48
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.36	
			<i>For >100, Deduct</i>	-2.72	
05 05 23 00-0045	EA		7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	21.02	1.62
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.54	
			<i>For >100, Deduct</i>	-3.08	
05 05 23 00-0046	EA		7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	23.81	1.71
			<i>For >10 To 50, Deduct</i>	-0.71	
			<i>For >50 To 100, Deduct</i>	-1.66	
			<i>For >100, Deduct</i>	-3.33	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0047	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	25.72	1.79
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-1.77	
			<i>For >100, Deduct</i>	-3.53	
05 05 23 00-0048	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	19.17	1.53
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.44	
			<i>For >100, Deduct</i>	-2.88	
05 05 23 00-0049	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	22.88	1.71
			<i>For >10 To 50, Deduct</i>	-0.71	
			<i>For >50 To 100, Deduct</i>	-1.64	
			<i>For >100, Deduct</i>	-3.28	
05 05 23 00-0050	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	26.25	1.79
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-1.78	
			<i>For >100, Deduct</i>	-3.56	
05 05 23 00-0051	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	33.09	1.91
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-2.02	
			<i>For >100, Deduct</i>	-4.05	
05 05 23 00-0052	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	31.71	1.91
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.99	
			<i>For >100, Deduct</i>	-3.98	
05 05 23 00-0053	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	35.75	2.04
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-2.16	
			<i>For >100, Deduct</i>	-4.33	
05 05 23 00-0054	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	41.68	2.18
			<i>For >10 To 50, Deduct</i>	-0.91	
			<i>For >50 To 100, Deduct</i>	-2.40	
			<i>For >100, Deduct</i>	-4.80	
05 05 23 00-0055	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	48.61	2.33
			<i>For >10 To 50, Deduct</i>	-0.97	
			<i>For >50 To 100, Deduct</i>	-2.67	
			<i>For >100, Deduct</i>	-5.33	
05 05 23 00-0056			Galvanized A325 High Strength Structural Bolts <small>(05 05 23 00-0053)</small>		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057	EA		1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt.....	13.53	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.19	
			<i>For >100, Deduct</i>	-2.38	
05 05 23 00-0058	EA		1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	13.70	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.19	
			<i>For >100, Deduct</i>	-2.39	
05 05 23 00-0059	EA		5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	15.11	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100, Deduct</i>	-2.46	
05 05 23 00-0060	EA		5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	17.85	1.55
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.42	
			<i>For >100, Deduct</i>	-2.84	
05 05 23 00-0061	EA		5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	18.86	1.62
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.49	
			<i>For >100, Deduct</i>	-2.98	
05 05 23 00-0062	EA		3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	15.65	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.24	
			<i>For >100, Deduct</i>	-2.49	
05 05 23 00-0063	EA		3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	18.87	1.55
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.44	
			<i>For >100, Deduct</i>	-2.89	
05 05 23 00-0064	EA		3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	21.54	1.62
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.56	
			<i>For >100, Deduct</i>	-3.11	
05 05 23 00-0065	EA		3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	27.17	1.71
			<i>For >10 To 50, Deduct</i>	-0.71	
			<i>For >50 To 100, Deduct</i>	-1.75	
			<i>For >100, Deduct</i>	-3.50	
05 05 23 00-0066	EA		7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	20.33	1.48
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.43	
			<i>For >100, Deduct</i>	-2.86	
05 05 23 00-0067	EA		7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	22.72	1.62
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100, Deduct</i>	-3.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0068 EA 7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	25.87	1.71
<i>For >10 To 50, Deduct</i>	-0.71	
<i>For >50 To 100, Deduct</i>	-1.72	
<i>For >100, Deduct</i>	-3.43	
05 05 23 00-0069 EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	31.89	1.79
<i>For >10 To 50, Deduct</i>	-0.75	
<i>For >50 To 100, Deduct</i>	-1.92	
<i>For >100, Deduct</i>	-3.84	
05 05 23 00-0070 EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	21.40	1.53
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.50	
<i>For >100, Deduct</i>	-2.99	
05 05 23 00-0071 EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	27.99	1.71
<i>For >10 To 50, Deduct</i>	-0.71	
<i>For >50 To 100, Deduct</i>	-1.77	
<i>For >100, Deduct</i>	-3.54	
05 05 23 00-0072 EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	30.53	1.79
<i>For >10 To 50, Deduct</i>	-0.75	
<i>For >50 To 100, Deduct</i>	-1.89	
<i>For >100, Deduct</i>	-3.77	
05 05 23 00-0073 EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	38.37	1.91
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-2.16	
<i>For >100, Deduct</i>	-4.31	
05 05 23 00-0074 EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	38.15	1.91
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-2.15	
<i>For >100, Deduct</i>	-4.30	
05 05 23 00-0075 EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	40.67	2.04
<i>For >10 To 50, Deduct</i>	-0.85	
<i>For >50 To 100, Deduct</i>	-2.29	
<i>For >100, Deduct</i>	-4.57	
05 05 23 00-0076 EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	47.32	2.18
<i>For >10 To 50, Deduct</i>	-0.91	
<i>For >50 To 100, Deduct</i>	-2.54	
<i>For >100, Deduct</i>	-5.09	
05 05 23 00-0077 EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	54.51	2.33
<i>For >10 To 50, Deduct</i>	-0.97	
<i>For >50 To 100, Deduct</i>	-2.81	
<i>For >100, Deduct</i>	-5.63	
05 05 23 00-0078 A490 High Strength Structural Bolts <small>(05 05 23 00-0001)</small>		
<i>Note: Includes A490 heavy hex nut and two structural washers.</i>		
05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts <small>(05 05 23 00-0078)</small>		
05 05 23 00-0080 EA 5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	14.46	1.36
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.21	
<i>For >100, Deduct</i>	-2.43	
05 05 23 00-0081 EA 5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	19.79	1.55
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100, Deduct</i>	-2.94	
05 05 23 00-0082 EA 5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	21.11	1.62
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.54	
<i>For >100, Deduct</i>	-3.09	
05 05 23 00-0083 EA 3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	15.98	1.36
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.25	
<i>For >100, Deduct</i>	-2.50	
05 05 23 00-0084 EA 3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	19.19	1.55
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.45	
<i>For >100, Deduct</i>	-2.90	
05 05 23 00-0085 EA 3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	22.09	1.62
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.57	
<i>For >100, Deduct</i>	-3.14	
05 05 23 00-0086 EA 3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	27.84	1.71
<i>For >10 To 50, Deduct</i>	-0.71	
<i>For >50 To 100, Deduct</i>	-1.77	
<i>For >100, Deduct</i>	-3.53	
05 05 23 00-0087 EA 7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	18.40	1.48
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100, Deduct</i>	-2.77	
05 05 23 00-0088 EA 7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	21.32	1.62
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.55	
<i>For >100, Deduct</i>	-3.10	
05 05 23 00-0089 EA 7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	29.85	1.71
<i>For >10 To 50, Deduct</i>	-0.71	
<i>For >50 To 100, Deduct</i>	-1.82	
<i>For >100, Deduct</i>	-3.63	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0090	EA		1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	21.35	1.53
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.49	
			<i>For >100, Deduct</i>	-2.99	
05 05 23 00-0091	EA		1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	25.33	1.71
			<i>For >10 To 50, Deduct</i>	-0.71	
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100, Deduct</i>	-3.41	
05 05 23 00-0092	EA		1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	28.88	1.79
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-1.85	
			<i>For >100, Deduct</i>	-3.69	
05 05 23 00-0093	EA		1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt	35.61	1.91
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-2.09	
			<i>For >100, Deduct</i>	-4.17	
05 05 23 00-0094	EA		1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	45.06	2.04
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-2.40	
			<i>For >100, Deduct</i>	-4.79	
05 05 23 00-0095	EA		1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	47.48	2.18
			<i>For >10 To 50, Deduct</i>	-0.91	
			<i>For >50 To 100, Deduct</i>	-2.55	
			<i>For >100, Deduct</i>	-5.09	
05 05 23 00-0096	EA		1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	49.61	2.33
			<i>For >10 To 50, Deduct</i>	-0.97	
			<i>For >50 To 100, Deduct</i>	-2.69	
			<i>For >100, Deduct</i>	-5.38	
05 05 23 00-0097			Hex Head Bolts <small>(05 05 23 00-0001)</small>		
05 05 23 00-0098			Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0099			1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0100	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.72	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0101	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.75	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0102	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.81	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0103	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.84	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0104	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.10	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0105	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.13	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0106	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.22	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0107	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.44	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0108	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.47	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0109	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.62	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0110	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.95	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0111	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.06	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.49	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0112	EA			1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.21	
				<i>For >100 To 250, Deduct</i>	-1.66	
				<i>For >250 To 500, Deduct</i>	-2.07	
				<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0113	EA			1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.76	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.13	
				<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0114	EA			1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.00	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.13	
				<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0115	EA			1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.06	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.13	
				<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0116 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>						
05 05 23 00-0117	EA			5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.78	
				<i>For >100 To 250, Deduct</i>	-1.53	
				<i>For >250 To 500, Deduct</i>	-1.91	
				<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0118	EA			5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.80	
				<i>For >100 To 250, Deduct</i>	-1.53	
				<i>For >250 To 500, Deduct</i>	-1.91	
				<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0119	EA			5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.86	
				<i>For >100 To 250, Deduct</i>	-1.53	
				<i>For >250 To 500, Deduct</i>	-1.91	
				<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0120	EA			5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.90	
				<i>For >100 To 250, Deduct</i>	-1.53	
				<i>For >250 To 500, Deduct</i>	-1.91	
				<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0121	EA			5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.17	
				<i>For >100 To 250, Deduct</i>	-1.57	
				<i>For >250 To 500, Deduct</i>	-1.97	
				<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0122	EA			5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.27	
				<i>For >100 To 250, Deduct</i>	-1.57	
				<i>For >250 To 500, Deduct</i>	-1.97	
				<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0123	EA			5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.31	
				<i>For >100 To 250, Deduct</i>	-1.57	
				<i>For >250 To 500, Deduct</i>	-1.97	
				<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0124	EA			5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.61	
				<i>For >100 To 250, Deduct</i>	-1.61	
				<i>For >250 To 500, Deduct</i>	-2.02	
				<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0125	EA			5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.75	
				<i>For >100 To 250, Deduct</i>	-1.61	
				<i>For >250 To 500, Deduct</i>	-2.02	
				<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0126	EA			5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.81	
				<i>For >100 To 250, Deduct</i>	-1.61	
				<i>For >250 To 500, Deduct</i>	-2.02	
				<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0127	EA			5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.07	
				<i>For >100 To 250, Deduct</i>	-1.66	
				<i>For >250 To 500, Deduct</i>	-2.07	
				<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0128	EA			5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.13	
				<i>For >100 To 250, Deduct</i>	-1.66	
				<i>For >250 To 500, Deduct</i>	-2.07	
				<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0129	EA			5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.67	
				<i>For >100 To 250, Deduct</i>	-1.66	
				<i>For >250 To 500, Deduct</i>	-2.07	
				<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0130	EA			5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.15	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.13	
				<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0131	EA			5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.39	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.13	
				<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0132	EA			5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.60	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.13	
				<i>For >500, Deduct</i>	-2.55	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0133			3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0134	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.85	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0135	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.87	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0136	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.94	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0137	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.01	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0138	EA		3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.29	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0139	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.42	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0140	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.54	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0141	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.87	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0142	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.04	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0143	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.13	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0144	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.51	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0145	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.60	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0146	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.67	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0147	EA		3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.93	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0148	EA		3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.03	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0149	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.17	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0150			7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0151	EA		7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.23	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0152	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.33	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0153	EA		7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.34	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0154	EA		7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.70	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0155 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0156 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.98	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0157 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.53	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0158 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.62	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0159 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.80	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0160 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.32	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0161 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.41	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0162 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.64	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0163 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.96	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0164 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.17	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0165 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.58	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0166 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0167 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.15	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0168 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.27	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0169 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.39	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0170 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.74	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0171 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.87	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0172 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.00	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0173 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.38	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0174 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.53	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0175 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.78	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.75	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0176	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.03	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0177	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.06	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0178	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.28	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0179	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.69	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0180	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.83	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0181	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.20	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0182	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.60	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0183	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.74	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0184	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.26	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0185	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.40	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0186			9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0187	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.27	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0188	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.44	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0189	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.48	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0190	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.24	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0191	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.46	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0192	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.53	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0193	EA		9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.78	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0194	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.83	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0195	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.02	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0196	EA		9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.28	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0197 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.33	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0198 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.49	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0199 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.89	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0200 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.08	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0201 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.28	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0202 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.67	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0203 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.90	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0204 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.05	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0205 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.29	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0207 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.74	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0208 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.85	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0209 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.99	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0210 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.41	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0211 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.62	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0212 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.89	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0213 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.44	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0214 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.85	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0215 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.17	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0216 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.52	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0217 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.56	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.14	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0218	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.10	
			<i>For >100 To 250, Deduct</i>	-2.09	
			<i>For >250 To 500, Deduct</i>	-2.62	
			<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0219	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.63	
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-2.67	
			<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0220	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.06	
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-2.67	
			<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0221	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.57	
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-2.67	
			<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0222	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.32	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0223	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.81	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0224	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.32	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0225	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.71	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0226			3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0227	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.10	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0228	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.33	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0229	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.53	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0230	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.01	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.51	
			<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0231	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.33	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.51	
			<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0232	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.61	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.51	
			<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0233	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.12	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0234	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.51	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0235	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.82	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0236	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.68	
			<i>For >100 To 250, Deduct</i>	-2.09	
			<i>For >250 To 500, Deduct</i>	-2.62	
			<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0237	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.94	
			<i>For >100 To 250, Deduct</i>	-2.09	
			<i>For >250 To 500, Deduct</i>	-2.62	
			<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0238	EA		3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.42	
			<i>For >100 To 250, Deduct</i>	-2.09	
			<i>For >250 To 500, Deduct</i>	-2.62	
			<i>For >500, Deduct</i>	-3.14	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0239	EA			3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.67	
				<i>For >100 To 250, Deduct</i>	-2.14	
				<i>For >250 To 500, Deduct</i>	-2.67	
				<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0240	EA			3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.80	
				<i>For >100 To 250, Deduct</i>	-2.14	
				<i>For >250 To 500, Deduct</i>	-2.67	
				<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0241	EA			3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.32	
				<i>For >100 To 250, Deduct</i>	-2.14	
				<i>For >250 To 500, Deduct</i>	-2.67	
				<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0242	EA			3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.22	
				<i>For >100 To 250, Deduct</i>	-2.18	
				<i>For >250 To 500, Deduct</i>	-2.73	
				<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0243	EA			3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.74	
				<i>For >100 To 250, Deduct</i>	-2.18	
				<i>For >250 To 500, Deduct</i>	-2.73	
				<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0244	EA			3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.44	
				<i>For >100 To 250, Deduct</i>	-2.18	
				<i>For >250 To 500, Deduct</i>	-2.73	
				<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0245	EA			3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.12	
				<i>For >100 To 250, Deduct</i>	-2.18	
				<i>For >250 To 500, Deduct</i>	-2.73	
				<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0246				7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0247	EA			7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.36	
				<i>For >100 To 250, Deduct</i>	-2.18	
				<i>For >250 To 500, Deduct</i>	-2.73	
				<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0248	EA			7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.55	
				<i>For >100 To 250, Deduct</i>	-2.18	
				<i>For >250 To 500, Deduct</i>	-2.73	
				<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0249	EA			7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.64	
				<i>For >100 To 250, Deduct</i>	-2.18	
				<i>For >250 To 500, Deduct</i>	-2.73	
				<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0250	EA			7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.13	
				<i>For >100 To 250, Deduct</i>	-2.23	
				<i>For >250 To 500, Deduct</i>	-2.78	
				<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0251	EA			7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.64	
				<i>For >100 To 250, Deduct</i>	-2.23	
				<i>For >250 To 500, Deduct</i>	-2.78	
				<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0252	EA			7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.24	
				<i>For >100 To 250, Deduct</i>	-2.23	
				<i>For >250 To 500, Deduct</i>	-2.78	
				<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0253	EA			7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.96	
				<i>For >100 To 250, Deduct</i>	-2.27	
				<i>For >250 To 500, Deduct</i>	-2.84	
				<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0254	EA			7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.83	
				<i>For >100 To 250, Deduct</i>	-2.27	
				<i>For >250 To 500, Deduct</i>	-2.84	
				<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0255	EA			7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.31	
				<i>For >100 To 250, Deduct</i>	-2.27	
				<i>For >250 To 500, Deduct</i>	-2.84	
				<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0256	EA			7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.90	
				<i>For >100 To 250, Deduct</i>	-2.31	
				<i>For >250 To 500, Deduct</i>	-2.89	
				<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0257	EA			7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.19	
				<i>For >100 To 250, Deduct</i>	-2.31	
				<i>For >250 To 500, Deduct</i>	-2.89	
				<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0258	EA			7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.88	
				<i>For >100 To 250, Deduct</i>	-2.31	
				<i>For >250 To 500, Deduct</i>	-2.89	
				<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0259	EA			7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.79	
				<i>For >100 To 250, Deduct</i>	-2.36	
				<i>For >250 To 500, Deduct</i>	-2.95	
				<i>For >500, Deduct</i>	-3.53	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0260	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.48	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0261	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.17	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0262	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.04	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0263	EA		7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.77	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0264	EA		7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.43	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0265	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.15	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0266			1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0267	EA		1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.21	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0268	EA		1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.47	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0269	EA		1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.49	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0270	EA		1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.48	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0271	EA		1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.39	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0272	EA		1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.54	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0273	EA		1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.41	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0274	EA		1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.32	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0275	EA		1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.98	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0276	EA		1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.41	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0277	EA		1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.17	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0278	EA		1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.15	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0279	EA		1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.90	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0280	EA		1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.68	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0281	EA		1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.52	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0282	EA		1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.41	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0283	EA		1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.19	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0284	EA		1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.98	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0097)</small>					
05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>					
05 05 23 00-0287	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.77	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0288	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.81	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0289	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.84	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0290	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.91	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0291	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.20	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0292	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.31	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0293	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.44	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0294	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.76	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0295	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.91	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0296	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.02	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0297	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.36	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0298	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.46	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0299	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.56	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0300	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.92	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0301	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.06	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0302	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.20	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0303	5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0304	EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.85	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.29	
05 05 23 00-0305	EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.88	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.29	
05 05 23 00-0306	EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.92	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.29	
05 05 23 00-0307	EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.01	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.29	
05 05 23 00-0308	EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.30	
	For >100 To 250, Deduct	-1.57	
	For >250 To 500, Deduct	-1.97	
	For >500, Deduct	-2.36	
05 05 23 00-0309	EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.41	
	For >100 To 250, Deduct	-1.57	
	For >250 To 500, Deduct	-1.97	
	For >500, Deduct	-2.36	
05 05 23 00-0310	EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.62	
	For >100 To 250, Deduct	-1.57	
	For >250 To 500, Deduct	-1.97	
	For >500, Deduct	-2.36	
05 05 23 00-0311	EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.93	
	For >100 To 250, Deduct	-1.61	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.42	
05 05 23 00-0312	EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.08	
	For >100 To 250, Deduct	-1.61	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.42	
05 05 23 00-0313	EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.23	
	For >100 To 250, Deduct	-1.61	
	For >250 To 500, Deduct	-2.02	
	For >500, Deduct	-2.42	
05 05 23 00-0314	EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.74	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.07	
	For >500, Deduct	-2.49	
05 05 23 00-0315	EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.79	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.07	
	For >500, Deduct	-2.49	
05 05 23 00-0316	EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.98	
	For >100 To 250, Deduct	-1.66	
	For >250 To 500, Deduct	-2.07	
	For >500, Deduct	-2.49	
05 05 23 00-0317	EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.46	
	For >100 To 250, Deduct	-1.70	
	For >250 To 500, Deduct	-2.13	
	For >500, Deduct	-2.55	
05 05 23 00-0318	EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.73	
	For >100 To 250, Deduct	-1.70	
	For >250 To 500, Deduct	-2.13	
	For >500, Deduct	-2.55	
05 05 23 00-0319	EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.98	
	For >100 To 250, Deduct	-1.70	
	For >250 To 500, Deduct	-2.13	
	For >500, Deduct	-2.55	
05 05 23 00-0320	3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0321	EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.89	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.29	
05 05 23 00-0322	EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.91	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.29	
05 05 23 00-0323	EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.00	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.29	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0324	EA			3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....8.10 <i>For >100 To 250, Deduct -1.53</i> <i>For >250 To 500, Deduct -1.91</i> <i>For >500, Deduct -2.29</i>		
05 05 23 00-0325	EA			3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....8.42 <i>For >100 To 250, Deduct -1.57</i> <i>For >250 To 500, Deduct -1.97</i> <i>For >500, Deduct -2.36</i>		
05 05 23 00-0326	EA			3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....8.53 <i>For >100 To 250, Deduct -1.57</i> <i>For >250 To 500, Deduct -1.97</i> <i>For >500, Deduct -2.36</i>		
05 05 23 00-0327	EA			3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....8.71 <i>For >100 To 250, Deduct -1.57</i> <i>For >250 To 500, Deduct -1.97</i> <i>For >500, Deduct -2.36</i>		
05 05 23 00-0328	EA			3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....9.11 <i>For >100 To 250, Deduct -1.61</i> <i>For >250 To 500, Deduct -2.02</i> <i>For >500, Deduct -2.42</i>		
05 05 23 00-0329	EA			3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....9.52 <i>For >100 To 250, Deduct -1.61</i> <i>For >250 To 500, Deduct -2.02</i> <i>For >500, Deduct -2.42</i>		
05 05 23 00-0330	EA			3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....9.70 <i>For >100 To 250, Deduct -1.61</i> <i>For >250 To 500, Deduct -2.02</i> <i>For >500, Deduct -2.42</i>		
05 05 23 00-0331	EA			3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....10.17 <i>For >100 To 250, Deduct -1.66</i> <i>For >250 To 500, Deduct -2.07</i> <i>For >500, Deduct -2.49</i>		
05 05 23 00-0332	EA			3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....10.34 <i>For >100 To 250, Deduct -1.66</i> <i>For >250 To 500, Deduct -2.07</i> <i>For >500, Deduct -2.49</i>		
05 05 23 00-0333	EA			3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....10.65 <i>For >100 To 250, Deduct -1.66</i> <i>For >250 To 500, Deduct -2.07</i> <i>For >500, Deduct -2.49</i>		
05 05 23 00-0334	EA			3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....11.10 <i>For >100 To 250, Deduct -1.70</i> <i>For >250 To 500, Deduct -2.13</i> <i>For >500, Deduct -2.55</i>		
05 05 23 00-0335	EA			3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....11.51 <i>For >100 To 250, Deduct -1.70</i> <i>For >250 To 500, Deduct -2.13</i> <i>For >500, Deduct -2.55</i>		
05 05 23 00-0336	EA			3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....11.84 <i>For >100 To 250, Deduct -1.70</i> <i>For >250 To 500, Deduct -2.13</i> <i>For >500, Deduct -2.55</i>		
05 05 23 00-0337				7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0338	EA			7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....9.16 <i>For >100 To 250, Deduct -1.74</i> <i>For >250 To 500, Deduct -2.18</i> <i>For >500, Deduct -2.62</i>		
05 05 23 00-0339	EA			7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....9.24 <i>For >100 To 250, Deduct -1.74</i> <i>For >250 To 500, Deduct -2.18</i> <i>For >500, Deduct -2.62</i>		
05 05 23 00-0340	EA			7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....9.45 <i>For >100 To 250, Deduct -1.74</i> <i>For >250 To 500, Deduct -2.18</i> <i>For >500, Deduct -2.62</i>		
05 05 23 00-0341	EA			7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....9.83 <i>For >100 To 250, Deduct -1.79</i> <i>For >250 To 500, Deduct -2.24</i> <i>For >500, Deduct -2.68</i>		
05 05 23 00-0342	EA			7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....9.99 <i>For >100 To 250, Deduct -1.79</i> <i>For >250 To 500, Deduct -2.24</i> <i>For >500, Deduct -2.68</i>		
05 05 23 00-0343	EA			7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....10.13 <i>For >100 To 250, Deduct -1.79</i> <i>For >250 To 500, Deduct -2.24</i> <i>For >500, Deduct -2.68</i>		
05 05 23 00-0344	EA			7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....10.54 <i>For >100 To 250, Deduct -1.83</i> <i>For >250 To 500, Deduct -2.29</i> <i>For >500, Deduct -2.75</i>		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0345	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.35	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0346	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.71	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0347	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.04	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0348	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.20	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0349	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.38	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0350	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.83	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0351	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.07	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0352	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.31	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0353			1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0354	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.27	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0355	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.38	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0356	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.50	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0357	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.92	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0358	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.10	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0359	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.29	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0360	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.69	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0361	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.33	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0362	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.37	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0363	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.02	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0364	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.26	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0365	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.90	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0366	EA			1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.70	
				<i>For >100 To 250, Deduct</i>	-1.92	
				<i>For >250 To 500, Deduct</i>	-2.40	
				<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0367	EA			1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.05	
				<i>For >100 To 250, Deduct</i>	-1.92	
				<i>For >250 To 500, Deduct</i>	-2.40	
				<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0368	EA			1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.19	
				<i>For >100 To 250, Deduct</i>	-1.92	
				<i>For >250 To 500, Deduct</i>	-2.40	
				<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0369	EA			1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.07	
				<i>For >100 To 250, Deduct</i>	-1.96	
				<i>For >250 To 500, Deduct</i>	-2.46	
				<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0370	EA			1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.69	
				<i>For >100 To 250, Deduct</i>	-1.96	
				<i>For >250 To 500, Deduct</i>	-2.46	
				<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0371	EA			1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.57	
				<i>For >100 To 250, Deduct</i>	-1.96	
				<i>For >250 To 500, Deduct</i>	-2.46	
				<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0372	EA			1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.91	
				<i>For >100 To 250, Deduct</i>	-1.96	
				<i>For >250 To 500, Deduct</i>	-2.46	
				<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0373				9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>	9.61	
05 05 23 00-0374	EA			9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.61	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0375	EA			9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.82	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0376	EA			9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.00	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0377	EA			9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.43	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0378	EA			9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.68	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0379	EA			9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.97	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0380	EA			9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.52	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0381	EA			9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.63	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0382	EA			9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.92	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0383	EA			9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.46	
				<i>For >100 To 250, Deduct</i>	-1.88	
				<i>For >250 To 500, Deduct</i>	-2.35	
				<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0384	EA			9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.76	
				<i>For >100 To 250, Deduct</i>	-1.88	
				<i>For >250 To 500, Deduct</i>	-2.35	
				<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0385	EA			9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.79	
				<i>For >100 To 250, Deduct</i>	-1.88	
				<i>For >250 To 500, Deduct</i>	-2.35	
				<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0386	EA			9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.27	
				<i>For >100 To 250, Deduct</i>	-1.92	
				<i>For >250 To 500, Deduct</i>	-2.40	
				<i>For >500, Deduct</i>	-2.88	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0387 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.69	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0388 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.40	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0389 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.29	
For>100 To 250, Deduct	-1.96	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-0390 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.54	
For>100 To 250, Deduct	-1.96	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-0391 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.80	
For>100 To 250, Deduct	-1.96	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-0392 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.44	
For>100 To 250, Deduct	-1.96	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0394 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.93	
For>100 To 250, Deduct	-1.96	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-0395 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.00	
For>100 To 250, Deduct	-1.96	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-0396 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.06	
For>100 To 250, Deduct	-1.96	
For>250 To 500, Deduct	-2.46	
For>500, Deduct	-2.95	
05 05 23 00-0397 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.48	
For>100 To 250, Deduct	-2.01	
For>250 To 500, Deduct	-2.51	
For>500, Deduct	-3.01	
05 05 23 00-0398 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.82	
For>100 To 250, Deduct	-2.01	
For>250 To 500, Deduct	-2.51	
For>500, Deduct	-3.01	
05 05 23 00-0399 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.12	
For>100 To 250, Deduct	-2.01	
For>250 To 500, Deduct	-2.51	
For>500, Deduct	-3.01	
05 05 23 00-0400 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.65	
For>100 To 250, Deduct	-2.05	
For>250 To 500, Deduct	-2.56	
For>500, Deduct	-3.08	
05 05 23 00-0401 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.25	
For>100 To 250, Deduct	-2.05	
For>250 To 500, Deduct	-2.56	
For>500, Deduct	-3.08	
05 05 23 00-0402 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.57	
For>100 To 250, Deduct	-2.05	
For>250 To 500, Deduct	-2.56	
For>500, Deduct	-3.08	
05 05 23 00-0403 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.95	
For>100 To 250, Deduct	-2.09	
For>250 To 500, Deduct	-2.62	
For>500, Deduct	-3.14	
05 05 23 00-0404 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.46	
For>100 To 250, Deduct	-2.09	
For>250 To 500, Deduct	-2.62	
For>500, Deduct	-3.14	
05 05 23 00-0405 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.27	
For>100 To 250, Deduct	-2.09	
For>250 To 500, Deduct	-2.62	
For>500, Deduct	-3.14	
05 05 23 00-0406 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.23	
For>100 To 250, Deduct	-2.14	
For>250 To 500, Deduct	-2.67	
For>500, Deduct	-3.21	
05 05 23 00-0407 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.90	
For>100 To 250, Deduct	-2.14	
For>250 To 500, Deduct	-2.67	
For>500, Deduct	-3.21	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0408	EA			5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....17.00 <i>For >100 To 250, Deduct</i> -2.14 <i>For >250 To 500, Deduct</i> -2.67 <i>For >500, Deduct</i> -3.21		
05 05 23 00-0409	EA			5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....18.42 <i>For >100 To 250, Deduct</i> -2.18 <i>For >250 To 500, Deduct</i> -2.73 <i>For >500, Deduct</i> -3.27		
05 05 23 00-0410	EA			5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....19.33 <i>For >100 To 250, Deduct</i> -2.18 <i>For >250 To 500, Deduct</i> -2.73 <i>For >500, Deduct</i> -3.27		
05 05 23 00-0411	EA			5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....20.65 <i>For >100 To 250, Deduct</i> -2.18 <i>For >250 To 500, Deduct</i> -2.73 <i>For >500, Deduct</i> -3.27		
05 05 23 00-0412	EA			5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....21.11 <i>For >100 To 250, Deduct</i> -2.18 <i>For >250 To 500, Deduct</i> -2.73 <i>For >500, Deduct</i> -3.27		
05 05 23 00-0413				3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0414	EA			3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....11.69 <i>For >100 To 250, Deduct</i> -1.96 <i>For >250 To 500, Deduct</i> -2.46 <i>For >500, Deduct</i> -2.95		
05 05 23 00-0415	EA			3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....11.82 <i>For >100 To 250, Deduct</i> -1.96 <i>For >250 To 500, Deduct</i> -2.46 <i>For >500, Deduct</i> -2.95		
05 05 23 00-0416	EA			3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....11.89 <i>For >100 To 250, Deduct</i> -1.96 <i>For >250 To 500, Deduct</i> -2.46 <i>For >500, Deduct</i> -2.95		
05 05 23 00-0417	EA			3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....12.40 <i>For >100 To 250, Deduct</i> -2.01 <i>For >250 To 500, Deduct</i> -2.51 <i>For >500, Deduct</i> -3.01		
05 05 23 00-0418	EA			3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....12.74 <i>For >100 To 250, Deduct</i> -2.01 <i>For >250 To 500, Deduct</i> -2.51 <i>For >500, Deduct</i> -3.01		
05 05 23 00-0419	EA			3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....13.25 <i>For >100 To 250, Deduct</i> -2.01 <i>For >250 To 500, Deduct</i> -2.51 <i>For >500, Deduct</i> -3.01		
05 05 23 00-0420	EA			3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....13.81 <i>For >100 To 250, Deduct</i> -2.05 <i>For >250 To 500, Deduct</i> -2.56 <i>For >500, Deduct</i> -3.08		
05 05 23 00-0421	EA			3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....14.14 <i>For >100 To 250, Deduct</i> -2.05 <i>For >250 To 500, Deduct</i> -2.56 <i>For >500, Deduct</i> -3.08		
05 05 23 00-0422	EA			3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....14.84 <i>For >100 To 250, Deduct</i> -2.05 <i>For >250 To 500, Deduct</i> -2.56 <i>For >500, Deduct</i> -3.08		
05 05 23 00-0423	EA			3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....15.38 <i>For >100 To 250, Deduct</i> -2.09 <i>For >250 To 500, Deduct</i> -2.62 <i>For >500, Deduct</i> -3.14		
05 05 23 00-0424	EA			3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....15.95 <i>For >100 To 250, Deduct</i> -2.09 <i>For >250 To 500, Deduct</i> -2.62 <i>For >500, Deduct</i> -3.14		
05 05 23 00-0425	EA			3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....16.65 <i>For >100 To 250, Deduct</i> -2.09 <i>For >250 To 500, Deduct</i> -2.62 <i>For >500, Deduct</i> -3.14		
05 05 23 00-0426	EA			3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....17.86 <i>For >100 To 250, Deduct</i> -2.14 <i>For >250 To 500, Deduct</i> -2.67 <i>For >500, Deduct</i> -3.21		
05 05 23 00-0427	EA			3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....18.59 <i>For >100 To 250, Deduct</i> -2.14 <i>For >250 To 500, Deduct</i> -2.67 <i>For >500, Deduct</i> -3.21		
05 05 23 00-0428	EA			3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....19.00 <i>For >100 To 250, Deduct</i> -2.14 <i>For >250 To 500, Deduct</i> -2.67 <i>For >500, Deduct</i> -3.21		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0429	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.30	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0430	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.67	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0431	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.87	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0432	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.17	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0433			7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0434	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.72	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0435	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.89	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0436	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.11	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0437	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.57	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0438	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.25	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0439	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.70	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0440	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.26	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0441	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.06	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0442	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.66	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0443	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.16	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0444	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.66	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0445	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.82	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0446	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.81	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0447	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.75	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0448	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.81	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0449	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.40	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0450 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.32	
<i>For >100 To 250, Deduct</i>	-2.40	
<i>For >250 To 500, Deduct</i>	-3.00	
<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0451 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.11	
<i>For >100 To 250, Deduct</i>	-2.40	
<i>For >250 To 500, Deduct</i>	-3.00	
<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0452 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.90	
<i>For >100 To 250, Deduct</i>	-2.40	
<i>For >250 To 500, Deduct</i>	-3.00	
<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0454 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.23	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0455 EA 1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.28	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0456 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.02	
<i>For >100 To 250, Deduct</i>	-2.23	
<i>For >250 To 500, Deduct</i>	-2.78	
<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0457 EA 1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.67	
<i>For >100 To 250, Deduct</i>	-2.23	
<i>For >250 To 500, Deduct</i>	-2.78	
<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0458 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.16	
<i>For >100 To 250, Deduct</i>	-2.23	
<i>For >250 To 500, Deduct</i>	-2.78	
<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0459 EA 1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.99	
<i>For >100 To 250, Deduct</i>	-2.27	
<i>For >250 To 500, Deduct</i>	-2.84	
<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0460 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.76	
<i>For >100 To 250, Deduct</i>	-2.27	
<i>For >250 To 500, Deduct</i>	-2.84	
<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0461 EA 1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.88	
<i>For >100 To 250, Deduct</i>	-2.27	
<i>For >250 To 500, Deduct</i>	-2.84	
<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0462 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.89	
<i>For >100 To 250, Deduct</i>	-2.31	
<i>For >250 To 500, Deduct</i>	-2.89	
<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0463 EA 1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.13	
<i>For >100 To 250, Deduct</i>	-2.31	
<i>For >250 To 500, Deduct</i>	-2.89	
<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0464 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.69	
<i>For >100 To 250, Deduct</i>	-2.31	
<i>For >250 To 500, Deduct</i>	-2.89	
<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0465 EA 1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.91	
<i>For >100 To 250, Deduct</i>	-2.36	
<i>For >250 To 500, Deduct</i>	-2.95	
<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0466 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.58	
<i>For >100 To 250, Deduct</i>	-2.36	
<i>For >250 To 500, Deduct</i>	-2.95	
<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0467 EA 1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.05	
<i>For >100 To 250, Deduct</i>	-2.36	
<i>For >250 To 500, Deduct</i>	-2.95	
<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0468 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.59	
<i>For >100 To 250, Deduct</i>	-2.40	
<i>For >250 To 500, Deduct</i>	-3.00	
<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0469 EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	32.02	
<i>For >100 To 250, Deduct</i>	-2.40	
<i>For >250 To 500, Deduct</i>	-3.00	
<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0470 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	33.16	
<i>For >100 To 250, Deduct</i>	-2.40	
<i>For >250 To 500, Deduct</i>	-3.00	
<i>For >500, Deduct</i>	-3.60	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0471 EA 1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	33.94	
For >100 To 250, Deduct	-2.40	
For >250 To 500, Deduct	-3.00	
For >500, Deduct	-3.60	
05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0474 EA 1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.79	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.29	
05 05 23 00-0475 EA 1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.87	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.29	
05 05 23 00-0476 EA 1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.91	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.29	
05 05 23 00-0477 EA 1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.99	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.29	
05 05 23 00-0478 EA 1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.27	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.36	
05 05 23 00-0479 EA 1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.36	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.36	
05 05 23 00-0480 EA 1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.45	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.36	
05 05 23 00-0481 EA 1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.67	
For >100 To 250, Deduct	-1.61	
For >250 To 500, Deduct	-2.02	
For >500, Deduct	-2.42	
05 05 23 00-0482 EA 1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.93	
For >100 To 250, Deduct	-1.61	
For >250 To 500, Deduct	-2.02	
For >500, Deduct	-2.42	
05 05 23 00-0483 EA 1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.17	
For >100 To 250, Deduct	-1.61	
For >250 To 500, Deduct	-2.02	
For >500, Deduct	-2.42	
05 05 23 00-0484 EA 1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.51	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.07	
For >500, Deduct	-2.49	
05 05 23 00-0485 EA 1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.64	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.07	
For >500, Deduct	-2.49	
05 05 23 00-0486 EA 1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.81	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.07	
For >500, Deduct	-2.49	
05 05 23 00-0487 EA 1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.14	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.55	
05 05 23 00-0488 EA 1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.46	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.55	
05 05 23 00-0489 EA 1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.60	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.55	
05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0491 EA 5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.86	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.29	
05 05 23 00-0492 EA 5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.91	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.29	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0493	EA 5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		8.06 -1.53 -1.91 -2.29	
05 05 23 00-0494	EA 5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		8.09 -1.53 -1.91 -2.29	
05 05 23 00-0495	EA 5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		8.40 -1.57 -1.97 -2.36	
05 05 23 00-0496	EA 5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		8.62 -1.57 -1.97 -2.36	
05 05 23 00-0497	EA 5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		8.69 -1.57 -1.97 -2.36	
05 05 23 00-0498	EA 5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		9.03 -1.61 -2.02 -2.42	
05 05 23 00-0499	EA 5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		9.18 -1.61 -2.02 -2.42	
05 05 23 00-0500	EA 5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		9.51 -1.61 -2.02 -2.42	
05 05 23 00-0501	EA 5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		9.92 -1.66 -2.07 -2.49	
05 05 23 00-0502	EA 5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		10.05 -1.66 -2.07 -2.49	
05 05 23 00-0503	EA 5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		10.24 -1.66 -2.07 -2.49	
05 05 23 00-0504	EA 5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		10.59 -1.70 -2.13 -2.55	
05 05 23 00-0505	EA 5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		10.74 -1.70 -2.13 -2.55	
05 05 23 00-0506	EA 5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		11.01 -1.70 -2.13 -2.55	
05 05 23 00-0507	3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>			
05 05 23 00-0508	EA 3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		8.02 -1.53 -1.91 -2.29	
05 05 23 00-0509	EA 3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		8.04 -1.53 -1.91 -2.29	
05 05 23 00-0510	EA 3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		8.05 -1.53 -1.91 -2.29	
05 05 23 00-0511	EA 3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		8.23 -1.53 -1.91 -2.29	
05 05 23 00-0512	EA 3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		8.56 -1.57 -1.97 -2.36	
05 05 23 00-0513	EA 3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>		8.74 -1.57 -1.97 -2.36	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0514	EA		3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.90	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0515	EA		3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.62	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0516	EA		3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.83	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0517	EA		3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.87	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0518	EA		3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.17	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0519	EA		3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.39	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0520	EA		3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.40	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0521	EA		3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.86	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0522	EA		3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.31	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0523	EA		3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.37	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0524			7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0525	EA		7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.28	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0526	EA		7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.30	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0527	EA		7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.59	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0528	EA		7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.83	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0529	EA		7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.15	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0530	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.33	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0531	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.58	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0532	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.28	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0533	EA		7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.84	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0534	EA		7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.43	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0535	EA			7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.62	
				<i>For >100 To 250, Deduct</i>	-1.88	
				<i>For >250 To 500, Deduct</i>	-2.35	
				<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0536	EA			7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.91	
				<i>For >100 To 250, Deduct</i>	-1.88	
				<i>For >250 To 500, Deduct</i>	-2.35	
				<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0537	EA			7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.56	
				<i>For >100 To 250, Deduct</i>	-1.92	
				<i>For >250 To 500, Deduct</i>	-2.40	
				<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0538	EA			7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.50	
				<i>For >100 To 250, Deduct</i>	-1.92	
				<i>For >250 To 500, Deduct</i>	-2.40	
				<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0539	EA			7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.57	
				<i>For >100 To 250, Deduct</i>	-1.92	
				<i>For >250 To 500, Deduct</i>	-2.40	
				<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0540				1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0541	EA			1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.46	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0542	EA			1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.67	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0543	EA			1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.80	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0544	EA			1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.15	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0545	EA			1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.38	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0546	EA			1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.89	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0547	EA			1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.47	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0548	EA			1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.77	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0549	EA			1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.98	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0550	EA			1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.57	
				<i>For >100 To 250, Deduct</i>	-1.88	
				<i>For >250 To 500, Deduct</i>	-2.35	
				<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0551	EA			1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.22	
				<i>For >100 To 250, Deduct</i>	-1.88	
				<i>For >250 To 500, Deduct</i>	-2.35	
				<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0552	EA			1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.81	
				<i>For >100 To 250, Deduct</i>	-1.88	
				<i>For >250 To 500, Deduct</i>	-2.35	
				<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0553	EA			1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.55	
				<i>For >100 To 250, Deduct</i>	-1.92	
				<i>For >250 To 500, Deduct</i>	-2.40	
				<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0554	EA			1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.81	
				<i>For >100 To 250, Deduct</i>	-1.92	
				<i>For >250 To 500, Deduct</i>	-2.40	
				<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0555	EA			1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.55	
				<i>For >100 To 250, Deduct</i>	-1.92	
				<i>For >250 To 500, Deduct</i>	-2.40	
				<i>For >500, Deduct</i>	-2.88	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0556	EA		1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.01	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0557	EA		1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.54	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0558	EA		1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.82	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0559	EA		1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.14	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0560			9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0561	EA		9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.65	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0562	EA		9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.78	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0563	EA		9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.06	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0564	EA		9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.71	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0565	EA		9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.81	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0566	EA		9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.23	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0567	EA		9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.73	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0568	EA		9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.10	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0569	EA		9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.37	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0570	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.80	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0571	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.40	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0572	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.65	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0573	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.51	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0574	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.76	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0575	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.30	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	

05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0577 EA 5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.20	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0578 EA 5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.32	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0579 EA 5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.64	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0580 EA 5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.32	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0581 EA 5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.70	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0582 EA 5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.90	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0583 EA 5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.26	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0584 EA 5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.93	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0585 EA 5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.23	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0586 EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.77	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0587 EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.09	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0588 EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.76	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0589 EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.56	
<i>For >100 To 250, Deduct</i>	-2.14	
<i>For >250 To 500, Deduct</i>	-2.67	
<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0590 EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.32	
<i>For >100 To 250, Deduct</i>	-2.14	
<i>For >250 To 500, Deduct</i>	-2.67	
<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0591 EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.63	
<i>For >100 To 250, Deduct</i>	-2.14	
<i>For >250 To 500, Deduct</i>	-2.67	
<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0592 EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.19	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0593 EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.68	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0594 EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.79	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0595 EA 5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.18	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0597 EA 3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.90	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0598	EA		3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.04	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0599	EA		3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.13	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0600	EA		3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.54	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.51	
			<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0601	EA		3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.82	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.51	
			<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0602	EA		3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.63	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.51	
			<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0603	EA		3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.18	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0604	EA		3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.25	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0605	EA		3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.35	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0606	EA		3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.97	
			<i>For >100 To 250, Deduct</i>	-2.09	
			<i>For >250 To 500, Deduct</i>	-2.62	
			<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0607	EA		3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.55	
			<i>For >100 To 250, Deduct</i>	-2.09	
			<i>For >250 To 500, Deduct</i>	-2.62	
			<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0608	EA		3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.62	
			<i>For >100 To 250, Deduct</i>	-2.09	
			<i>For >250 To 500, Deduct</i>	-2.62	
			<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0609	EA		3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.16	
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-2.67	
			<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0610	EA		3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.73	
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-2.67	
			<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0611	EA		3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.03	
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-2.67	
			<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0612	EA		3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.66	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0613	EA		3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.70	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0614	EA		3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.45	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0615	EA		3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.73	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0616	EA		7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>	14.93	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0618	EA		7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.29	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0619	EA			7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.05	
				<i>For >100 To 250, Deduct</i>	-2.23	
				<i>For >250 To 500, Deduct</i>	-2.78	
				<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0620	EA			7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.11	
				<i>For >100 To 250, Deduct</i>	-2.23	
				<i>For >250 To 500, Deduct</i>	-2.78	
				<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0621	EA			7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.24	
				<i>For >100 To 250, Deduct</i>	-2.23	
				<i>For >250 To 500, Deduct</i>	-2.78	
				<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0622	EA			7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.68	
				<i>For >100 To 250, Deduct</i>	-2.27	
				<i>For >250 To 500, Deduct</i>	-2.84	
				<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0623	EA			7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.26	
				<i>For >100 To 250, Deduct</i>	-2.27	
				<i>For >250 To 500, Deduct</i>	-2.84	
				<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0624	EA			7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.92	
				<i>For >100 To 250, Deduct</i>	-2.27	
				<i>For >250 To 500, Deduct</i>	-2.84	
				<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0625	EA			7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.66	
				<i>For >100 To 250, Deduct</i>	-2.31	
				<i>For >250 To 500, Deduct</i>	-2.89	
				<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0626	EA			7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.62	
				<i>For >100 To 250, Deduct</i>	-2.31	
				<i>For >250 To 500, Deduct</i>	-2.89	
				<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0627	EA			7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.12	
				<i>For >100 To 250, Deduct</i>	-2.31	
				<i>For >250 To 500, Deduct</i>	-2.89	
				<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0628	EA			7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.17	
				<i>For >100 To 250, Deduct</i>	-2.36	
				<i>For >250 To 500, Deduct</i>	-2.95	
				<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0629	EA			7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.73	
				<i>For >100 To 250, Deduct</i>	-2.36	
				<i>For >250 To 500, Deduct</i>	-2.95	
				<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0630	EA			7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.77	
				<i>For >100 To 250, Deduct</i>	-2.36	
				<i>For >250 To 500, Deduct</i>	-2.95	
				<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0631	EA			7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.82	
				<i>For >100 To 250, Deduct</i>	-2.40	
				<i>For >250 To 500, Deduct</i>	-3.00	
				<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0632	EA			7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	32.12	
				<i>For >100 To 250, Deduct</i>	-2.40	
				<i>For >250 To 500, Deduct</i>	-3.00	
				<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0633	EA			7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	32.38	
				<i>For >100 To 250, Deduct</i>	-2.40	
				<i>For >250 To 500, Deduct</i>	-3.00	
				<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0634	EA			7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	32.99	
				<i>For >100 To 250, Deduct</i>	-2.40	
				<i>For >250 To 500, Deduct</i>	-3.00	
				<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0635				1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0636	EA			1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.95	
				<i>For >100 To 250, Deduct</i>	-2.18	
				<i>For >250 To 500, Deduct</i>	-2.73	
				<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0637	EA			1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.84	
				<i>For >100 To 250, Deduct</i>	-2.18	
				<i>For >250 To 500, Deduct</i>	-2.73	
				<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0638	EA			1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.46	
				<i>For >100 To 250, Deduct</i>	-2.23	
				<i>For >250 To 500, Deduct</i>	-2.78	
				<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0639	EA			1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.13	
				<i>For >100 To 250, Deduct</i>	-2.23	
				<i>For >250 To 500, Deduct</i>	-2.78	
				<i>For >500, Deduct</i>	-3.34	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0640	EA		1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.38	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0641	EA		1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.93	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0642	EA		1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.01	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0643	EA		1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.45	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0644	EA		1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.33	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0645	EA		1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.94	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0646	EA		1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.95	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0647	EA		1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.63	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0648	EA		1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.03	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0649	EA		1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.61	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0650	EA		1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	33.64	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0651	EA		1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	34.62	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0652	EA		1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	37.21	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0653	EA		1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	38.79	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0654			Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0655			1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0656	EA		1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.90	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0657	EA		1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.91	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0658	EA		1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.93	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0659	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.11	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0660	EA		1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.42	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0661 EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.53	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.97	
<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0662 EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.57	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.97	
<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0663 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.79	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.02	
<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0664 EA 1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.92	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.02	
<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0665 EA 1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.96	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.02	
<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0666 EA 1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.27	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0667 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.38	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0668 EA 1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.42	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0669 EA 1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.74	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0670 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.05	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0671 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.44	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0673 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.81	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0674 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.17	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0675 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.20	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0676 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.21	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0677 EA 5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.59	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.97	
<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0678 EA 5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.93	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.97	
<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0679 EA 5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.99	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.97	
<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0680 EA 5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.29	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.02	
<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0681 EA 5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.32	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.02	
<i>For >500, Deduct</i>	-2.42	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0682	EA 5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.59	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.02	
	<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0683	EA 5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.88	
	<i>For >100 To 250, Deduct</i>	-1.66	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0684	EA 5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.98	
	<i>For >100 To 250, Deduct</i>	-1.66	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0685	EA 5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.24	
	<i>For >100 To 250, Deduct</i>	-1.66	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0686	EA 5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.97	
	<i>For >100 To 250, Deduct</i>	-1.70	
	<i>For >250 To 500, Deduct</i>	-2.13	
	<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0687	EA 5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.38	
	<i>For >100 To 250, Deduct</i>	-1.70	
	<i>For >250 To 500, Deduct</i>	-2.13	
	<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0688	EA 5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.76	
	<i>For >100 To 250, Deduct</i>	-1.70	
	<i>For >250 To 500, Deduct</i>	-2.13	
	<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0689	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0690	EA 3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.92	
	<i>For >100 To 250, Deduct</i>	-1.53	
	<i>For >250 To 500, Deduct</i>	-1.91	
	<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0691	EA 3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.01	
	<i>For >100 To 250, Deduct</i>	-1.53	
	<i>For >250 To 500, Deduct</i>	-1.91	
	<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0692	EA 3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.09	
	<i>For >100 To 250, Deduct</i>	-1.53	
	<i>For >250 To 500, Deduct</i>	-1.91	
	<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0693	EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.31	
	<i>For >100 To 250, Deduct</i>	-1.53	
	<i>For >250 To 500, Deduct</i>	-1.91	
	<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0694	EA 3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.62	
	<i>For >100 To 250, Deduct</i>	-1.57	
	<i>For >250 To 500, Deduct</i>	-1.97	
	<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0695	EA 3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.80	
	<i>For >100 To 250, Deduct</i>	-1.57	
	<i>For >250 To 500, Deduct</i>	-1.97	
	<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0696	EA 3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.93	
	<i>For >100 To 250, Deduct</i>	-1.57	
	<i>For >250 To 500, Deduct</i>	-1.97	
	<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0697	EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.31	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.02	
	<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0698	EA 3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.40	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.02	
	<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0699	EA 3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.62	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.02	
	<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0700	EA 3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.93	
	<i>For >100 To 250, Deduct</i>	-1.66	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0701	EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.23	
	<i>For >100 To 250, Deduct</i>	-1.66	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0702	EA 3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.28	
	<i>For >100 To 250, Deduct</i>	-1.66	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.49	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 05 23	00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.52	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.13	
				<i>For >500, Deduct</i>	-2.55	
	05 05 23	00-0704	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.55	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.13	
				<i>For >500, Deduct</i>	-2.55	
	05 05 23	00-0705	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.90	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.13	
				<i>For >500, Deduct</i>	-2.55	
05 05 23	00-0706			7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
	05 05 23	00-0707	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.54	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
	05 05 23	00-0708	EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.92	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
	05 05 23	00-0709	EA	7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.22	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
	05 05 23	00-0710	EA	7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.94	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
	05 05 23	00-0711	EA	7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.96	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
	05 05 23	00-0712	EA	7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.99	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
	05 05 23	00-0713	EA	7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.46	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.75	
	05 05 23	00-0714	EA	7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.74	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.75	
	05 05 23	00-0715	EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.98	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.75	
	05 05 23	00-0716	EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.48	
				<i>For >100 To 250, Deduct</i>	-1.88	
				<i>For >250 To 500, Deduct</i>	-2.35	
				<i>For >500, Deduct</i>	-2.81	
	05 05 23	00-0717	EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.77	
				<i>For >100 To 250, Deduct</i>	-1.88	
				<i>For >250 To 500, Deduct</i>	-2.35	
				<i>For >500, Deduct</i>	-2.81	
05 05 23	00-0718			1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
	05 05 23	00-0719	EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.36	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
	05 05 23	00-0720	EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.49	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
	05 05 23	00-0721	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.74	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
	05 05 23	00-0722	EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.25	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
	05 05 23	00-0723	EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.45	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0724 EA 1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.81	
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-2.24	
For >500, Deduct	-2.68	
05 05 23 00-0725 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.09	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0726 EA 1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.22	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0727 EA 1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.51	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-2.75	
05 05 23 00-0728 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.86	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-0729 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.18	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-0730 EA 1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.21	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-0731 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.49	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0732 EA 1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.58	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0733 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.82	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0734 EA 1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.19	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0735 EA 1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.39	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0736 EA 1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.43	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0737 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.54	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0739 EA 5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.92	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0740 EA 5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.11	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0741 EA 5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.25	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-2.95	
05 05 23 00-0742 EA 5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.68	
For >100 To 250, Deduct	-2.01	
For >250 To 500, Deduct	-2.51	
For >500, Deduct	-3.01	
05 05 23 00-0743 EA 5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.97	
For >100 To 250, Deduct	-2.01	
For >250 To 500, Deduct	-2.51	
For >500, Deduct	-3.01	
05 05 23 00-0744 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.61	
For >100 To 250, Deduct	-2.01	
For >250 To 500, Deduct	-2.51	
For >500, Deduct	-3.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0745 EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.92	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0746 EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.03	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0747 EA 5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.23	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0748 EA 5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.70	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0749 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.93	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0750 EA 5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.59	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0751 EA 5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.85	
<i>For >100 To 250, Deduct</i>	-2.14	
<i>For >250 To 500, Deduct</i>	-2.67	
<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0752 EA 5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.00	
<i>For >100 To 250, Deduct</i>	-2.14	
<i>For >250 To 500, Deduct</i>	-2.67	
<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0753 EA 5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.34	
<i>For >100 To 250, Deduct</i>	-2.14	
<i>For >250 To 500, Deduct</i>	-2.67	
<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0754 EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.03	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0755 EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.57	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0756 EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.81	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0757 EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.91	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0759 EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.85	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0760 EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.89	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0761 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.13	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0762 EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.88	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0763 EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.78	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0764 EA 3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.35	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0765 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.87	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0766 EA 3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.92	
For>100 To 250, Deduct	-2.05	
For>250 To 500, Deduct	-2.56	
For>500, Deduct	-3.08	
05 05 23 00-0767 EA 3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.04	
For>100 To 250, Deduct	-2.05	
For>250 To 500, Deduct	-2.56	
For>500, Deduct	-3.08	
05 05 23 00-0768 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.35	
For>100 To 250, Deduct	-2.09	
For>250 To 500, Deduct	-2.62	
For>500, Deduct	-3.14	
05 05 23 00-0769 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.11	
For>100 To 250, Deduct	-2.09	
For>250 To 500, Deduct	-2.62	
For>500, Deduct	-3.14	
05 05 23 00-0770 EA 3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.42	
For>100 To 250, Deduct	-2.09	
For>250 To 500, Deduct	-2.62	
For>500, Deduct	-3.14	
05 05 23 00-0771 EA 3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.26	
For>100 To 250, Deduct	-2.14	
For>250 To 500, Deduct	-2.67	
For>500, Deduct	-3.21	
05 05 23 00-0772 EA 3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.36	
For>100 To 250, Deduct	-2.14	
For>250 To 500, Deduct	-2.67	
For>500, Deduct	-3.21	
05 05 23 00-0773 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.67	
For>100 To 250, Deduct	-2.14	
For>250 To 500, Deduct	-2.67	
For>500, Deduct	-3.21	
05 05 23 00-0774 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.34	
For>100 To 250, Deduct	-2.18	
For>250 To 500, Deduct	-2.73	
For>500, Deduct	-3.27	
05 05 23 00-0775 EA 3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.67	
For>100 To 250, Deduct	-2.18	
For>250 To 500, Deduct	-2.73	
For>500, Deduct	-3.27	
05 05 23 00-0776 EA 3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.86	
For>100 To 250, Deduct	-2.18	
For>250 To 500, Deduct	-2.73	
For>500, Deduct	-3.27	
05 05 23 00-0777 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.95	
For>100 To 250, Deduct	-2.18	
For>250 To 500, Deduct	-2.73	
For>500, Deduct	-3.27	
05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0779 EA 7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.79	
For>100 To 250, Deduct	-2.18	
For>250 To 500, Deduct	-2.73	
For>500, Deduct	-3.27	
05 05 23 00-0780 EA 7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.16	
For>100 To 250, Deduct	-2.18	
For>250 To 500, Deduct	-2.73	
For>500, Deduct	-3.27	
05 05 23 00-0781 EA 7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.60	
For>100 To 250, Deduct	-2.23	
For>250 To 500, Deduct	-2.78	
For>500, Deduct	-3.34	
05 05 23 00-0782 EA 7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.51	
For>100 To 250, Deduct	-2.23	
For>250 To 500, Deduct	-2.78	
For>500, Deduct	-3.34	
05 05 23 00-0783 EA 7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.80	
For>100 To 250, Deduct	-2.23	
For>250 To 500, Deduct	-2.78	
For>500, Deduct	-3.34	
05 05 23 00-0784 EA 7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.39	
For>100 To 250, Deduct	-2.27	
For>250 To 500, Deduct	-2.84	
For>500, Deduct	-3.41	
05 05 23 00-0785 EA 7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.79	
For>100 To 250, Deduct	-2.27	
For>250 To 500, Deduct	-2.84	
For>500, Deduct	-3.41	
05 05 23 00-0786 EA 7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.31	
For>100 To 250, Deduct	-2.27	
For>250 To 500, Deduct	-2.84	
For>500, Deduct	-3.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0787 EA 7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.87	
<i>For >100 To 250, Deduct</i>	-2.31	
<i>For >250 To 500, Deduct</i>	-2.89	
<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0788 EA 7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.27	
<i>For >100 To 250, Deduct</i>	-2.31	
<i>For >250 To 500, Deduct</i>	-2.89	
<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0789 EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.45	
<i>For >100 To 250, Deduct</i>	-2.31	
<i>For >250 To 500, Deduct</i>	-2.89	
<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0790 EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.11	
<i>For >100 To 250, Deduct</i>	-2.36	
<i>For >250 To 500, Deduct</i>	-2.95	
<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0791 EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.85	
<i>For >100 To 250, Deduct</i>	-2.36	
<i>For >250 To 500, Deduct</i>	-2.95	
<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0792 EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.02	
<i>For >100 To 250, Deduct</i>	-2.36	
<i>For >250 To 500, Deduct</i>	-2.95	
<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0793 EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.45	
<i>For >100 To 250, Deduct</i>	-2.40	
<i>For >250 To 500, Deduct</i>	-3.00	
<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0794 EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.86	
<i>For >100 To 250, Deduct</i>	-2.40	
<i>For >250 To 500, Deduct</i>	-3.00	
<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0795 EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.37	
<i>For >100 To 250, Deduct</i>	-2.40	
<i>For >250 To 500, Deduct</i>	-3.00	
<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0796 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.85	
<i>For >100 To 250, Deduct</i>	-2.40	
<i>For >250 To 500, Deduct</i>	-3.00	
<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0798 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.37	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0799 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.71	
<i>For >100 To 250, Deduct</i>	-2.23	
<i>For >250 To 500, Deduct</i>	-2.78	
<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0800 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.40	
<i>For >100 To 250, Deduct</i>	-2.23	
<i>For >250 To 500, Deduct</i>	-2.78	
<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0801 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.94	
<i>For >100 To 250, Deduct</i>	-2.23	
<i>For >250 To 500, Deduct</i>	-2.78	
<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0802 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.40	
<i>For >100 To 250, Deduct</i>	-2.27	
<i>For >250 To 500, Deduct</i>	-2.84	
<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0803 EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.68	
<i>For >100 To 250, Deduct</i>	-2.27	
<i>For >250 To 500, Deduct</i>	-2.84	
<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0804 EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.48	
<i>For >100 To 250, Deduct</i>	-2.27	
<i>For >250 To 500, Deduct</i>	-2.84	
<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0805 EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.77	
<i>For >100 To 250, Deduct</i>	-2.31	
<i>For >250 To 500, Deduct</i>	-2.89	
<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0806 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.07	
<i>For >100 To 250, Deduct</i>	-2.31	
<i>For >250 To 500, Deduct</i>	-2.89	
<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0807 EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.79	
<i>For >100 To 250, Deduct</i>	-2.31	
<i>For >250 To 500, Deduct</i>	-2.89	
<i>For >500, Deduct</i>	-3.47	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0808	EA		1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.52	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0809	EA		1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	26.66	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0810	EA		1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.79	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0811	EA		1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	28.35	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0812	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.26	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0813	EA		1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.96	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0814	EA		1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.99	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0815			304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0816			1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0817	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.88	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0818	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.98	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0819	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.10	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0820	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.23	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0821	EA		1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.58	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0822	EA		1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.77	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0823	EA		1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.00	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0824	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.38	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0825	EA		1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.66	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0826	EA		1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.91	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0827	EA		1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.34	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0828	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.76	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0829	EA		1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.83	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0830 EA 1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.53	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0831 EA 1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.77	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0832 EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.33	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0834 EA 5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.06	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0835 EA 5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.15	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0836 EA 5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.33	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0837 EA 5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.48	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0838 EA 5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.96	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.97	
<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0839 EA 5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.05	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.97	
<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0840 EA 5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.53	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.97	
<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0841 EA 5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.07	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.02	
<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0842 EA 5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.60	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.02	
<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0843 EA 5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.86	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.02	
<i>For >500, Deduct</i>	-2.42	
05 05 23 00-0844 EA 5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.89	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0845 EA 5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.21	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0846 EA 5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.23	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0847 EA 5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.33	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0849 EA 3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.29	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0850 EA 3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.40	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0851 EA 3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.68	
For>100 To 250, Deduct	-1.53	
For>250 To 500, Deduct	-1.91	
For>500, Deduct	-2.29	
05 05 23 00-0852 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.04	
For>100 To 250, Deduct	-1.53	
For>250 To 500, Deduct	-1.91	
For>500, Deduct	-2.29	
05 05 23 00-0853 EA 3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.45	
For>100 To 250, Deduct	-1.57	
For>250 To 500, Deduct	-1.97	
For>500, Deduct	-2.36	
05 05 23 00-0854 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.74	
For>100 To 250, Deduct	-1.57	
For>250 To 500, Deduct	-1.97	
For>500, Deduct	-2.36	
05 05 23 00-0855 EA 3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.12	
For>100 To 250, Deduct	-1.57	
For>250 To 500, Deduct	-1.97	
For>500, Deduct	-2.36	
05 05 23 00-0856 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.68	
For>100 To 250, Deduct	-1.61	
For>250 To 500, Deduct	-2.02	
For>500, Deduct	-2.42	
05 05 23 00-0857 EA 3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.13	
For>100 To 250, Deduct	-1.61	
For>250 To 500, Deduct	-2.02	
For>500, Deduct	-2.42	
05 05 23 00-0858 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.12	
For>100 To 250, Deduct	-1.61	
For>250 To 500, Deduct	-2.02	
For>500, Deduct	-2.42	
05 05 23 00-0859 EA 3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.46	
For>100 To 250, Deduct	-1.66	
For>250 To 500, Deduct	-2.07	
For>500, Deduct	-2.49	
05 05 23 00-0860 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.28	
For>100 To 250, Deduct	-1.66	
For>250 To 500, Deduct	-2.07	
For>500, Deduct	-2.49	
05 05 23 00-0861 EA 3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.03	
For>100 To 250, Deduct	-1.66	
For>250 To 500, Deduct	-2.07	
For>500, Deduct	-2.49	
05 05 23 00-0862 EA 3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.66	
For>100 To 250, Deduct	-1.70	
For>250 To 500, Deduct	-2.13	
For>500, Deduct	-2.55	
05 05 23 00-0863 EA 3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.91	
For>100 To 250, Deduct	-1.70	
For>250 To 500, Deduct	-2.13	
For>500, Deduct	-2.55	
05 05 23 00-0864 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.65	
For>100 To 250, Deduct	-1.70	
For>250 To 500, Deduct	-2.13	
For>500, Deduct	-2.55	
05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0866 EA 7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.29	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.18	
For>500, Deduct	-2.62	
05 05 23 00-0867 EA 7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.41	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.18	
For>500, Deduct	-2.62	
05 05 23 00-0868 EA 7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.88	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.18	
For>500, Deduct	-2.62	
05 05 23 00-0869 EA 7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.37	
For>100 To 250, Deduct	-1.79	
For>250 To 500, Deduct	-2.24	
For>500, Deduct	-2.68	
05 05 23 00-0870 EA 7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.93	
For>100 To 250, Deduct	-1.79	
For>250 To 500, Deduct	-2.24	
For>500, Deduct	-2.68	
05 05 23 00-0871 EA 7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.86	
For>100 To 250, Deduct	-1.79	
For>250 To 500, Deduct	-2.24	
For>500, Deduct	-2.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0872 EA 7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.50	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0873 EA 7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.59	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0874 EA 7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.06	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0875 EA 7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.76	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0876 EA 7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.42	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0877 EA 7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.64	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0878 EA 7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.06	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0875)</small>		
05 05 23 00-0880 EA 1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.28	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0881 EA 1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.41	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0882 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.14	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0883 EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.65	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0884 EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.31	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0885 EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.67	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0886 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.33	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0887 EA 1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.65	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0888 EA 1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.38	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.29	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0889 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.08	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0890 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.86	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0891 EA 1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.74	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0892 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.27	
<i>For >100 To 250, Deduct</i>	-1.92	
<i>For >250 To 500, Deduct</i>	-2.40	
<i>For >500, Deduct</i>	-2.88	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0893	EA		1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.80	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0894	EA		1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.64	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-0895	EA		1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.93	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0896	EA		1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.26	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0897	EA		1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.57	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0898	EA		1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.85	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0899			9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0900	EA		9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.09	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0901	EA		9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.60	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0902	EA		9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.25	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0903	EA		9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.00	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0904	EA		9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.94	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0905	EA		9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.58	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-0906	EA		9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.21	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0907	EA		9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.58	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0908	EA		9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.04	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0909	EA		9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.89	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0910	EA		9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.74	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0911			5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0912	EA		5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.67	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0913	EA		5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.01	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0914 EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.45	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0915 EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.91	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0916 EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.60	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0917 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.58	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0918 EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.02	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0919 EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.03	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0920 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.13	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0921 EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.97	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0922 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.96	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0923 EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.59	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0924 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.79	
<i>For >100 To 250, Deduct</i>	-2.14	
<i>For >250 To 500, Deduct</i>	-2.67	
<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0925 EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.44	
<i>For >100 To 250, Deduct</i>	-2.14	
<i>For >250 To 500, Deduct</i>	-2.67	
<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0926 EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.18	
<i>For >100 To 250, Deduct</i>	-2.14	
<i>For >250 To 500, Deduct</i>	-2.67	
<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0927 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.42	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0928 EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.38	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0929 EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.70	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0930 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.47	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0932 EA 3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.24	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0933 EA 3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.91	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-0934 EA 3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.80	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0935	EA		3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.99	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.51	
			<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0936	EA		3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.97	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.51	
			<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0937	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.62	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.51	
			<i>For >500, Deduct</i>	-3.01	
05 05 23 00-0938	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.81	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0939	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.35	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0940	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.58	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-0941	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.07	
			<i>For >100 To 250, Deduct</i>	-2.09	
			<i>For >250 To 500, Deduct</i>	-2.62	
			<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0942	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.50	
			<i>For >100 To 250, Deduct</i>	-2.09	
			<i>For >250 To 500, Deduct</i>	-2.62	
			<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0943	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.18	
			<i>For >100 To 250, Deduct</i>	-2.09	
			<i>For >250 To 500, Deduct</i>	-2.62	
			<i>For >500, Deduct</i>	-3.14	
05 05 23 00-0944	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.53	
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-2.67	
			<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0945	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.81	
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-2.67	
			<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0946	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.68	
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-2.67	
			<i>For >500, Deduct</i>	-3.21	
05 05 23 00-0947	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.11	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0948	EA		3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.88	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0949	EA		3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.96	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0950	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	48.56	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0951			7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0952	EA		7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.55	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0953	EA		7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.24	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0954	EA		7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.75	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0955	EA		7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.46	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0956	EA		7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.01	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0957	EA		7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.63	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0958	EA		7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.18	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0959	EA		7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.90	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0960	EA		7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.66	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0961	EA		7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.09	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0962	EA		7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.96	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0963	EA		7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.20	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0964	EA		7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	47.73	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0965	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	50.58	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0966	EA		7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	59.44	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0967	EA		7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	66.36	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0968	EA		7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	69.56	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0969	EA		7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	72.75	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0970			1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0971	EA		1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.63	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0972	EA		1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.86	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-0973	EA		1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.92	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0974	EA		1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.47	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0975	EA		1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.01	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-0976	EA		1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.08	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0977	EA		1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.86	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0978	EA		1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.48	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-0979	EA		1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.15	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0980	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.29	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0981	EA		1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	48.32	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-0982	EA		1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	57.43	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0983	EA		1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	58.76	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0984	EA		1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	60.08	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-0985	EA		1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	62.95	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0986	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.01	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0987	EA		1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	85.44	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0988	EA		1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	106.92	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-0989			316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0997)</small>		
05 05 23 00-0990			1/4" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-0991	EA		1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.07	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0992	EA		1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.26	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0993	EA		1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.40	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0994	EA		2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.50	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0995	EA		2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.00	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0996	EA		3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.25	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0997	EA		3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.50	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.36	
05 05 23 00-0998	EA		4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.91	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500, Deduct</i>	-2.42	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0999	EA			4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.12	
				<i>For >100 To 250, Deduct</i>	-1.61	
				<i>For >250 To 500, Deduct</i>	-2.02	
				<i>For >500, Deduct</i>	-2.42	
05 05 23 00-1000	EA			5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	10.21	
				<i>For >100 To 250, Deduct</i>	-1.61	
				<i>For >250 To 500, Deduct</i>	-2.02	
				<i>For >500, Deduct</i>	-2.42	
05 05 23 00-1001	EA			5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.08	
				<i>For >100 To 250, Deduct</i>	-1.66	
				<i>For >250 To 500, Deduct</i>	-2.07	
				<i>For >500, Deduct</i>	-2.49	
05 05 23 00-1002	EA			6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	11.25	
				<i>For >100 To 250, Deduct</i>	-1.66	
				<i>For >250 To 500, Deduct</i>	-2.07	
				<i>For >500, Deduct</i>	-2.49	
05 05 23 00-1003	EA			6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	17.71	
				<i>For >100 To 250, Deduct</i>	-1.66	
				<i>For >250 To 500, Deduct</i>	-2.07	
				<i>For >500, Deduct</i>	-2.49	
05 05 23 00-1004	EA			7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	25.75	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.13	
				<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1005	EA			7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	42.98	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.13	
				<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1006	EA			8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	46.91	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.13	
				<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1007				5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0999)		
05 05 23 00-1008	EA			5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.33	
				<i>For >100 To 250, Deduct</i>	-1.53	
				<i>For >250 To 500, Deduct</i>	-1.91	
				<i>For >500, Deduct</i>	-2.29	
05 05 23 00-1009	EA			5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	8.55	
				<i>For >100 To 250, Deduct</i>	-1.53	
				<i>For >250 To 500, Deduct</i>	-1.91	
				<i>For >500, Deduct</i>	-2.29	
05 05 23 00-1010	EA			5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.92	
				<i>For >100 To 250, Deduct</i>	-1.53	
				<i>For >250 To 500, Deduct</i>	-1.91	
				<i>For >500, Deduct</i>	-2.29	
05 05 23 00-1011	EA			5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	9.20	
				<i>For >100 To 250, Deduct</i>	-1.53	
				<i>For >250 To 500, Deduct</i>	-1.91	
				<i>For >500, Deduct</i>	-2.29	
05 05 23 00-1012	EA			5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.54	
				<i>For >100 To 250, Deduct</i>	-1.57	
				<i>For >250 To 500, Deduct</i>	-1.97	
				<i>For >500, Deduct</i>	-2.36	
05 05 23 00-1013	EA			5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	10.11	
				<i>For >100 To 250, Deduct</i>	-1.57	
				<i>For >250 To 500, Deduct</i>	-1.97	
				<i>For >500, Deduct</i>	-2.36	
05 05 23 00-1014	EA			5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.51	
				<i>For >100 To 250, Deduct</i>	-1.57	
				<i>For >250 To 500, Deduct</i>	-1.97	
				<i>For >500, Deduct</i>	-2.36	
05 05 23 00-1015	EA			5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	10.89	
				<i>For >100 To 250, Deduct</i>	-1.61	
				<i>For >250 To 500, Deduct</i>	-2.02	
				<i>For >500, Deduct</i>	-2.42	
05 05 23 00-1016	EA			5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.74	
				<i>For >100 To 250, Deduct</i>	-1.61	
				<i>For >250 To 500, Deduct</i>	-2.02	
				<i>For >500, Deduct</i>	-2.42	
05 05 23 00-1017	EA			5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	11.91	
				<i>For >100 To 250, Deduct</i>	-1.61	
				<i>For >250 To 500, Deduct</i>	-2.02	
				<i>For >500, Deduct</i>	-2.42	
05 05 23 00-1018	EA			5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.72	
				<i>For >100 To 250, Deduct</i>	-1.66	
				<i>For >250 To 500, Deduct</i>	-2.07	
				<i>For >500, Deduct</i>	-2.49	
05 05 23 00-1019	EA			5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	13.38	
				<i>For >100 To 250, Deduct</i>	-1.66	
				<i>For >250 To 500, Deduct</i>	-2.07	
				<i>For >500, Deduct</i>	-2.49	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1020 EA 5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.88	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.07	
For >500, Deduct	-2.49	
05 05 23 00-1021 EA 5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	26.90	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.55	
05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1023 EA 3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.92	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.29	
05 05 23 00-1024 EA 3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	9.00	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.29	
05 05 23 00-1025 EA 3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.35	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.29	
05 05 23 00-1026 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	10.17	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.29	
05 05 23 00-1027 EA 3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.68	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.36	
05 05 23 00-1028 EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	10.82	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.36	
05 05 23 00-1029 EA 3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.54	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.36	
05 05 23 00-1030 EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	11.85	
For >100 To 250, Deduct	-1.61	
For >250 To 500, Deduct	-2.02	
For >500, Deduct	-2.42	
05 05 23 00-1031 EA 3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.30	
For >100 To 250, Deduct	-1.61	
For >250 To 500, Deduct	-2.02	
For >500, Deduct	-2.42	
05 05 23 00-1032 EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	12.61	
For >100 To 250, Deduct	-1.61	
For >250 To 500, Deduct	-2.02	
For >500, Deduct	-2.42	
05 05 23 00-1033 EA 3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.82	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.07	
For >500, Deduct	-2.49	
05 05 23 00-1034 EA 3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	15.03	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.07	
For >500, Deduct	-2.49	
05 05 23 00-1035 EA 3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.08	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.07	
For >500, Deduct	-2.49	
05 05 23 00-1036 EA 3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	18.36	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.55	
05 05 23 00-1037 EA 3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.33	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.55	
05 05 23 00-1038 EA 3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	28.70	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.55	
05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1040 EA 7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	11.37	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.18	
For >500, Deduct	-2.62	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1041	EA			7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.88	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1042	EA			7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	12.85	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1043	EA			7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.90	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
05 05 23 00-1044	EA			7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	14.83	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
05 05 23 00-1045	EA			7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.35	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
05 05 23 00-1046	EA			7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	18.03	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1047	EA			7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.29	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1048	EA			7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	18.85	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1049	EA			7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.44	
				<i>For >100 To 250, Deduct</i>	-1.88	
				<i>For >250 To 500, Deduct</i>	-2.35	
				<i>For >500, Deduct</i>	-2.81	
05 05 23 00-1050	EA			7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	19.83	
				<i>For >100 To 250, Deduct</i>	-1.88	
				<i>For >250 To 500, Deduct</i>	-2.35	
				<i>For >500, Deduct</i>	-2.81	
05 05 23 00-1051	EA			7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.23	
				<i>For >100 To 250, Deduct</i>	-1.88	
				<i>For >250 To 500, Deduct</i>	-2.35	
				<i>For >500, Deduct</i>	-2.81	
05 05 23 00-1052	EA			7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	20.77	
				<i>For >100 To 250, Deduct</i>	-1.92	
				<i>For >250 To 500, Deduct</i>	-2.40	
				<i>For >500, Deduct</i>	-2.88	
05 05 23 00-1053				1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1054	EA			1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	11.34	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1055	EA			1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.90	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1056	EA			1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	12.68	
				<i>For >100 To 250, Deduct</i>	-1.74	
				<i>For >250 To 500, Deduct</i>	-2.18	
				<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1057	EA			1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.82	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
05 05 23 00-1058	EA			1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	14.68	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
05 05 23 00-1059	EA			1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.89	
				<i>For >100 To 250, Deduct</i>	-1.79	
				<i>For >250 To 500, Deduct</i>	-2.24	
				<i>For >500, Deduct</i>	-2.68	
05 05 23 00-1060	EA			1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	15.47	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1061	EA			1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.13	
				<i>For >100 To 250, Deduct</i>	-1.83	
				<i>For >250 To 500, Deduct</i>	-2.29	
				<i>For >500, Deduct</i>	-2.75	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1062	EA		1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	20.49	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1063	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.96	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-1064	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	21.49	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-1065	EA		1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.64	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-1066	EA		1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	28.64	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-1067	EA		1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.44	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-1068	EA		1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	33.42	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-2.88	
05 05 23 00-1069	EA		1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.51	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1070	EA		1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	46.59	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1071	EA		1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.43	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1072	EA		1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	48.72	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1073			9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1074	EA		9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	25.26	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1075	EA		9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.09	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1076	EA		9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	33.20	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1077	EA		9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.85	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-1078	EA		9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	40.46	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-1079	EA		9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.07	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.68	
05 05 23 00-1080	EA		9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	46.54	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1081	EA		9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	49.52	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1082	EA		9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	52.17	
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-2.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1083 EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	53.18	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-1084 EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	55.51	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1086 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	15.27	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1087 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.43	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1088 EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	15.48	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-2.46	
<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1089 EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.75	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-1090 EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	17.82	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-1091 EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.22	
<i>For >100 To 250, Deduct</i>	-2.01	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.01	
05 05 23 00-1092 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	22.15	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-1093 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.12	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-1094 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	26.16	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.08	
05 05 23 00-1095 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.33	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.14	
05 05 23 00-1096 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	29.18	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.14	
05 05 23 00-1097 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.40	
<i>For >100 To 250, Deduct</i>	-2.09	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.14	
05 05 23 00-1098 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	36.49	
<i>For >100 To 250, Deduct</i>	-2.14	
<i>For >250 To 500, Deduct</i>	-2.67	
<i>For >500, Deduct</i>	-3.21	
05 05 23 00-1099 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.16	
<i>For >100 To 250, Deduct</i>	-2.14	
<i>For >250 To 500, Deduct</i>	-2.67	
<i>For >500, Deduct</i>	-3.21	
05 05 23 00-1100 EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	39.59	
<i>For >100 To 250, Deduct</i>	-2.14	
<i>For >250 To 500, Deduct</i>	-2.67	
<i>For >500, Deduct</i>	-3.21	
05 05 23 00-1101 EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.00	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-1102 EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	44.06	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	
05 05 23 00-1103 EA 5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	53.91	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-2.73	
<i>For >500, Deduct</i>	-3.27	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1104	EA		5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	64.43	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-1105			3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1106	EA		3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	19.41	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1107	EA		3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.78	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1108	EA		3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	21.20	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-2.95	
05 05 23 00-1109	EA		3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.66	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.51	
			<i>For >500, Deduct</i>	-3.01	
05 05 23 00-1110	EA		3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	25.31	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.51	
			<i>For >500, Deduct</i>	-3.01	
05 05 23 00-1111	EA		3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.85	
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-2.51	
			<i>For >500, Deduct</i>	-3.01	
05 05 23 00-1112	EA		3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	30.32	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-1113	EA		3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.67	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-1114	EA		3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	32.42	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-1115	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.63	
			<i>For >100 To 250, Deduct</i>	-2.09	
			<i>For >250 To 500, Deduct</i>	-2.62	
			<i>For >500, Deduct</i>	-3.14	
05 05 23 00-1116	EA		3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	35.32	
			<i>For >100 To 250, Deduct</i>	-2.09	
			<i>For >250 To 500, Deduct</i>	-2.62	
			<i>For >500, Deduct</i>	-3.14	
05 05 23 00-1117	EA		3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	40.54	
			<i>For >100 To 250, Deduct</i>	-2.09	
			<i>For >250 To 500, Deduct</i>	-2.62	
			<i>For >500, Deduct</i>	-3.14	
05 05 23 00-1118	EA		3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	48.30	
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-2.67	
			<i>For >500, Deduct</i>	-3.21	
05 05 23 00-1119	EA		3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	54.17	
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-2.67	
			<i>For >500, Deduct</i>	-3.21	
05 05 23 00-1120	EA		3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	55.06	
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-2.67	
			<i>For >500, Deduct</i>	-3.21	
05 05 23 00-1121	EA		3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	58.80	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-1122	EA		3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	67.71	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-1123	EA		3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	68.46	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-1124	EA		3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	70.34	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)					
05 05 23 00-1126	EA		7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	21.84	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-1127	EA		7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	24.29	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-1128	EA		7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	25.86	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-1129	EA		7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	29.29	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-1130	EA		7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	30.82	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-1131	EA		7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	32.39	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-1132	EA		7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	34.47	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-1133	EA		7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	39.14	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-1134	EA		7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	39.47	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-1135	EA		7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	41.02	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-1136	EA		7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	54.09	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-1137	EA		7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	60.08	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-1138	EA		7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	66.29	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-1139	EA		7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	69.34	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-1140	EA		7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	73.53	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-1141	EA		7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	76.19	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-1142	EA		7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	78.83	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-1143	EA		7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	81.79	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)					
05 05 23 00-1145	EA		1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	27.23	
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.27	
05 05 23 00-1146	EA		1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	31.23	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1147	EA		1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	33.76	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-1148	EA		1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.79	
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-2.78	
			<i>For >500, Deduct</i>	-3.34	
05 05 23 00-1149	EA		1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	39.46	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-1150	EA		1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.20	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-1151	EA		1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	44.96	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-2.84	
			<i>For >500, Deduct</i>	-3.41	
05 05 23 00-1152	EA		1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.95	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-1153	EA		1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	55.10	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-1154	EA		1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	62.14	
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500, Deduct</i>	-3.47	
05 05 23 00-1155	EA		1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	71.99	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-1156	EA		1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	80.09	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-1157	EA		1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	81.25	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-2.95	
			<i>For >500, Deduct</i>	-3.53	
05 05 23 00-1158	EA		1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	84.12	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-1159	EA		1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	85.23	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-1160	EA		1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	98.68	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-1161	EA		1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	111.66	
			<i>For >100 To 250, Deduct</i>	-2.40	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500, Deduct</i>	-3.60	
05 05 23 00-1162			Screws <small>(05 05 23)</small>		
05 05 23 00-1163			Teks® 5 Self Drilling Screws <small>(05 05 23 00-1162)</small>		
			Note: Includes Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1164	EA		12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.13	
			<i>For >10 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100, Deduct</i>	-0.75	
05 05 23 00-1165	EA		12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	4.31	
			<i>For >10 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100, Deduct</i>	-0.76	
05 05 23 00-1166	EA		12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	4.82	
			<i>For >10 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.41	
			<i>For >100, Deduct</i>	-0.82	
05 05 23 00-1167	EA		1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw	6.64	
			<i>For >10 To 50, Deduct</i>	-0.24	
			<i>For >50 To 100, Deduct</i>	-0.53	
			<i>For >100, Deduct</i>	-1.06	
05 05 23 00-1168	EA		1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw	7.09	
			<i>For >10 To 50, Deduct</i>	-0.25	
			<i>For >50 To 100, Deduct</i>	-0.56	
			<i>For >100, Deduct</i>	-1.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1169 EA 1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw	8.77	
For >10 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.62	
For >100, Deduct	-1.24	
05 05 23 00-1170 EA 1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw	9.81	
For >10 To 50, Deduct	-0.28	
For >50 To 100, Deduct	-0.66	
For >100, Deduct	-1.33	
05 05 23 00-1171 Security Screws <small>(05 05 23 00-1162)</small>		
05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws <small>(05 05 23 00-1171)</small>		
<small>Note: Includes "security" style drive in machine or sheet metal screw threads.</small>		
05 05 23 00-1173 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	3.19	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.31	
For >100, Deduct	-0.62	
05 05 23 00-1174 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.57	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.32	
For >100, Deduct	-0.64	
05 05 23 00-1175 EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	3.90	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.33	
For >100, Deduct	-0.65	
05 05 23 00-1176 EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.01	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.33	
For >100, Deduct	-0.66	
05 05 23 00-1177 EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.22	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.33	
For >100, Deduct	-0.67	
05 05 23 00-1178 EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.66	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.32	
For >100, Deduct	-0.64	
05 05 23 00-1179 EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	3.81	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.32	
For >100, Deduct	-0.65	
05 05 23 00-1180 EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.14	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.33	
For >100, Deduct	-0.66	
05 05 23 00-1181 EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.24	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.33	
For >100, Deduct	-0.67	
05 05 23 00-1182 EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.76	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.32	
For >100, Deduct	-0.65	
05 05 23 00-1183 EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	3.80	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.32	
For >100, Deduct	-0.65	
05 05 23 00-1184 EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.94	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.33	
For >100, Deduct	-0.65	
05 05 23 00-1185 EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.38	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.34	
For >100, Deduct	-0.68	
05 05 23 00-1186 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.01	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.33	
For >100, Deduct	-0.66	
05 05 23 00-1187 EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.11	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.33	
For >100, Deduct	-0.66	
05 05 23 00-1188 EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.53	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.34	
For >100, Deduct	-0.68	
05 05 23 00-1189 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.20	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.36	
For >100, Deduct	-0.72	

05 05 23 00-1190

Threaded Rod (05 05 23)

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			washers.		
05 05 23 00-1191			Plain Finish Steel, Low Carbon Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1192	LF		1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.08	0.54
			<i>For Left Hand Threaded Rod, Add</i>	0.10	
05 05 23 00-1193	LF		5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.69	0.59
			<i>For Left Hand Threaded Rod, Add</i>	0.15	
05 05 23 00-1194	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.13	0.69
			<i>For Left Hand Threaded Rod, Add</i>	0.18	
05 05 23 00-1195	LF		7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.15	0.70
			<i>For Left Hand Threaded Rod, Add</i>	0.28	
05 05 23 00-1196	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.26	0.73
			<i>For Left Hand Threaded Rod, Add</i>	0.28	
05 05 23 00-1197	LF		9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.22	0.74
			<i>For Left Hand Threaded Rod, Add</i>	0.38	
05 05 23 00-1198	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.86	0.75
			<i>For Left Hand Threaded Rod, Add</i>	0.44	
05 05 23 00-1199	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.47	0.77
			<i>For Left Hand Threaded Rod, Add</i>	0.79	
05 05 23 00-1200	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.30	0.80
			<i>For Left Hand Threaded Rod, Add</i>	0.87	
05 05 23 00-1201	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.03	0.90
			<i>For Left Hand Threaded Rod, Add</i>	1.22	
05 05 23 00-1202	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.44	1.01
			<i>For Left Hand Threaded Rod, Add</i>	1.54	
05 05 23 00-1203	LF		1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	23.06	1.09
			<i>For Left Hand Threaded Rod, Add</i>	2.08	
05 05 23 00-1204	LF		1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	28.63	1.18
			<i>For Left Hand Threaded Rod, Add</i>	2.63	
05 05 23 00-1205	LF		1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	34.19	1.23
			<i>For Left Hand Threaded Rod, Add</i>	3.17	
05 05 23 00-1206	LF		1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	41.85	1.29
			<i>For Left Hand Threaded Rod, Add</i>	3.93	
05 05 23 00-1207	LF		2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	53.37	1.36
			<i>For Left Hand Threaded Rod, Add</i>	5.07	
05 05 23 00-1208			Zinc Plated Steel, Low Carbon Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1209	LF		1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.10	0.54
			<i>For Left Hand Threaded Rod, Add</i>	0.10	
05 05 23 00-1210	LF		5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.02	0.59
			<i>For Left Hand Threaded Rod, Add</i>	0.18	
05 05 23 00-1211	LF		3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.38	0.69
			<i>For Left Hand Threaded Rod, Add</i>	0.20	
05 05 23 00-1212	LF		7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.77	0.70
			<i>For Left Hand Threaded Rod, Add</i>	0.34	
05 05 23 00-1213	LF		1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.13	0.73
			<i>For Left Hand Threaded Rod, Add</i>	0.37	
05 05 23 00-1214	LF		9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.65	0.74
			<i>For Left Hand Threaded Rod, Add</i>	0.52	
05 05 23 00-1215	LF		5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	7.06	0.75
			<i>For Left Hand Threaded Rod, Add</i>	0.56	
05 05 23 00-1216	LF		3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	10.49	0.77
			<i>For Left Hand Threaded Rod, Add</i>	0.90	
05 05 23 00-1217	LF		7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	13.52	0.80
			<i>For Left Hand Threaded Rod, Add</i>	1.19	
05 05 23 00-1218	LF		1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	18.09	0.90
			<i>For Left Hand Threaded Rod, Add</i>	1.63	
05 05 23 00-1219	LF		1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	23.30	1.01
			<i>For Left Hand Threaded Rod, Add</i>	2.13	
05 05 23 00-1220	LF		1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	27.78	1.09
			<i>For Left Hand Threaded Rod, Add</i>	2.55	
05 05 23 00-1221	LF		1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	31.55	1.18
			<i>For Left Hand Threaded Rod, Add</i>	2.92	
05 05 23 00-1222	LF		1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	39.65	1.23
			<i>For Left Hand Threaded Rod, Add</i>	3.72	
05 05 23 00-1223	LF		1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	49.05	1.29
			<i>For Left Hand Threaded Rod, Add</i>	4.65	
05 05 23 00-1224	LF		2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	71.41	1.36
			<i>For Left Hand Threaded Rod, Add</i>	6.87	
05 05 23 00-1225			Hot Dipped Galvanized Steel, Low Carbon Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1226	LF		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	5.42	0.69
			<i>For Left Hand Threaded Rod, Add</i>	0.41	
05 05 23 00-1227	LF		1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	7.51	0.73
			<i>For Left Hand Threaded Rod, Add</i>	0.61	
05 05 23 00-1228	LF		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	10.07	0.75
			<i>For Left Hand Threaded Rod, Add</i>	0.86	
05 05 23 00-1229	LF		3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	13.74	0.77
			<i>For Left Hand Threaded Rod, Add</i>	1.22	
05 05 23 00-1230	LF		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	18.94	0.80
			<i>For Left Hand Threaded Rod, Add</i>	1.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1231 LF 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	24.39	0.90
For Left Hand Threaded Rod, Add	2.26	
05 05 23 00-1232 LF 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	32.04	1.01
For Left Hand Threaded Rod, Add	3.00	
05 05 23 00-1233 LF 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	42.07	1.09
For Left Hand Threaded Rod, Add	3.98	
05 05 23 00-1234 LF 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	46.99	1.18
For Left Hand Threaded Rod, Add	4.46	
05 05 23 00-1235 LF 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	55.89	1.23
For Left Hand Threaded Rod, Add	5.34	
05 05 23 00-1236 LF 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	67.83	1.29
For Left Hand Threaded Rod, Add	6.53	
05 05 23 00-1237 LF 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	118.11	1.36
For Left Hand Threaded Rod, Add	11.54	
05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1239 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	3.09	0.54
For Left Hand Threaded Rod, Add	0.20	
05 05 23 00-1240 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	4.61	0.59
For Left Hand Threaded Rod, Add	0.34	
05 05 23 00-1241 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	5.92	0.69
For Left Hand Threaded Rod, Add	0.46	
05 05 23 00-1242 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	8.18	0.70
For Left Hand Threaded Rod, Add	0.68	
05 05 23 00-1243 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	9.80	0.73
For Left Hand Threaded Rod, Add	0.84	
05 05 23 00-1244 LF 9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	14.04	0.74
For Left Hand Threaded Rod, Add	1.26	
05 05 23 00-1245 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	14.67	0.75
For Left Hand Threaded Rod, Add	1.32	
05 05 23 00-1246 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	20.49	0.77
For Left Hand Threaded Rod, Add	1.90	
05 05 23 00-1247 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	28.14	0.80
For Left Hand Threaded Rod, Add	2.66	
05 05 23 00-1248 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	36.08	0.90
For Left Hand Threaded Rod, Add	3.43	
05 05 23 00-1249 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	76.28	1.09
For Left Hand Threaded Rod, Add	7.40	
05 05 23 00-1250 LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	116.08	1.23
For Left Hand Threaded Rod, Add	11.36	
05 05 23 00-1251 LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	119.40	1.29
For Left Hand Threaded Rod, Add	11.68	
05 05 23 00-1252 LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	165.15	1.36
For Left Hand Threaded Rod, Add	16.24	
05 05 23 00-1253 316 Stainless Steel Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1254 LF 1/4" Diameter, 316 Stainless Steel Threaded Rod.....	4.43	0.54
For Left Hand Threaded Rod, Add	0.33	
05 05 23 00-1255 LF 5/16" Diameter, 316 Stainless Steel Threaded Rod.....	7.09	0.59
For Left Hand Threaded Rod, Add	0.59	
05 05 23 00-1256 LF 3/8" Diameter, 316 Stainless Steel Threaded Rod.....	9.41	0.69
For Left Hand Threaded Rod, Add	0.81	
05 05 23 00-1257 LF 7/16" Diameter, 316 Stainless Steel Threaded Rod.....	14.63	0.70
For Left Hand Threaded Rod, Add	1.32	
05 05 23 00-1258 LF 1/2" Diameter, 316 Stainless Steel Threaded Rod.....	15.51	0.73
For Left Hand Threaded Rod, Add	1.41	
05 05 23 00-1259 LF 9/16" Diameter, 316 Stainless Steel Threaded Rod.....	20.33	0.74
For Left Hand Threaded Rod, Add	1.89	
05 05 23 00-1260 LF 5/8" Diameter, 316 Stainless Steel Threaded Rod.....	21.87	0.75
For Left Hand Threaded Rod, Add	2.04	
05 05 23 00-1261 LF 3/4" Diameter, 316 Stainless Steel Threaded Rod.....	31.84	0.77
For Left Hand Threaded Rod, Add	3.03	
05 05 23 00-1262 LF 7/8" Diameter, 316 Stainless Steel Threaded Rod.....	43.55	0.80
For Left Hand Threaded Rod, Add	4.20	
05 05 23 00-1263 LF 1" Diameter, 316 Stainless Steel Threaded Rod.....	55.09	0.90
For Left Hand Threaded Rod, Add	5.33	
05 05 23 00-1264 LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod.....	116.20	1.09
For Left Hand Threaded Rod, Add	11.39	
05 05 23 00-1265 LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod.....	152.29	1.23
For Left Hand Threaded Rod, Add	14.98	
05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1267 LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	3.49	0.54
For Zinc Plating, Add	1.20	
05 05 23 00-1268 LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	5.30	0.59
For Zinc Plating, Add	2.06	
05 05 23 00-1269 LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	5.56	0.69
For Zinc Plating, Add	2.10	
05 05 23 00-1270 LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	6.06	0.70
For Zinc Plating, Add	2.33	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1271 LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.66	0.73
For Zinc Plating, Add	2.61	
05 05 23 00-1272 LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.28	0.74
For Zinc Plating, Add	3.41	
05 05 23 00-1273 LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.55	0.75
For Zinc Plating, Add	3.53	
05 05 23 00-1274 LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	11.28	0.77
For Zinc Plating, Add	4.87	
05 05 23 00-1275 LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	13.48	0.80
For Zinc Plating, Add	5.95	
05 05 23 00-1276 LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	17.46	0.90
For Zinc Plating, Add	7.83	
05 05 23 00-1277 LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	22.68	1.01
For Zinc Plating, Add	10.34	
05 05 23 00-1278 LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	25.24	1.09
For Zinc Plating, Add	11.49	
05 05 23 00-1279 LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	29.10	1.18
For Zinc Plating, Add	13.37	
05 05 23 00-1280 LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	35.34	1.23
For Zinc Plating, Add	16.44	
05 05 23 00-1281 LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	36.53	1.29
For Zinc Plating, Add	16.98	
05 05 23 00-1282 LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	48.94	1.36
For Zinc Plating, Add	23.12	

05 05 23 00-1283 Nuts And Washers (05 05 23)**05 05 23 00-1284 Hex Nuts (05 05 23 00-1283)****05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)**

05 05 23 00-1286 EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.65	0.30
05 05 23 00-1287 EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.72	0.30
05 05 23 00-1288 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.77	0.30
05 05 23 00-1289 EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.88	0.30
05 05 23 00-1290 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.95	0.30
05 05 23 00-1291 EA 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.20	0.30
05 05 23 00-1292 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.24	0.30
05 05 23 00-1293 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.44	0.60
05 05 23 00-1294 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.03	0.60
05 05 23 00-1295 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.54	0.60
05 05 23 00-1296 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.02	0.60
05 05 23 00-1297 EA 1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.88	0.60
05 05 23 00-1298 EA 1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	7.06	0.60
05 05 23 00-1299 EA 1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	8.13	0.91
05 05 23 00-1300 EA 1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	11.79	0.91
05 05 23 00-1301 EA 2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	16.90	0.91

05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)

05 05 23 00-1303 EA 1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.67	0.30
05 05 23 00-1304 EA 5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.73	0.30
05 05 23 00-1305 EA 3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.79	0.30
05 05 23 00-1306 EA 7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.91	0.30
05 05 23 00-1307 EA 1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.04	0.30
05 05 23 00-1308 EA 9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.22	0.30
05 05 23 00-1309 EA 5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.26	0.30
05 05 23 00-1310 EA 3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.60	0.60
05 05 23 00-1311 EA 7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.19	0.60
05 05 23 00-1312 EA 1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.02	0.60
05 05 23 00-1313 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	4.51	0.60
05 05 23 00-1314 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.28	0.60
05 05 23 00-1315 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	9.09	0.60
05 05 23 00-1316 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	10.02	0.91
05 05 23 00-1317 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	17.81	0.91
05 05 23 00-1318 EA 2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	25.41	0.91

05 05 23 00-1319 Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)

05 05 23 00-1320 EA 1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.68	0.30
05 05 23 00-1321 EA 5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.77	0.30
05 05 23 00-1322 EA 3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.83	0.30
05 05 23 00-1323 EA 7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.01	0.30
05 05 23 00-1324 EA 1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.18	0.30
05 05 23 00-1325 EA 9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.38	0.30
05 05 23 00-1326 EA 5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.55	0.30
05 05 23 00-1327 EA 3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.90	0.60
05 05 23 00-1328 EA 7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.76	0.60
05 05 23 00-1329 EA 1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.62	0.60
05 05 23 00-1330 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	5.55	0.60
05 05 23 00-1331 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	6.88	0.60
05 05 23 00-1332 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	11.15	0.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1333 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	11.83	0.91
05 05 23 00-1334 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	17.86	0.91
05 05 23 00-1335 EA 2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	25.13	0.91
05 05 23 00-1336 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1337 EA 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.68	0.30
05 05 23 00-1338 EA 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.75	0.30
05 05 23 00-1339 EA 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.81	0.30
05 05 23 00-1340 EA 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.99	0.30
05 05 23 00-1341 EA 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.12	0.30
05 05 23 00-1342 EA 9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.23	0.30
05 05 23 00-1343 EA 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.35	0.30
05 05 23 00-1344 EA 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.75	0.60
05 05 23 00-1345 EA 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.46	0.60
05 05 23 00-1346 EA 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.33	0.60
05 05 23 00-1347 EA 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	5.38	0.60
05 05 23 00-1348 EA 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	6.84	0.60
05 05 23 00-1349 EA 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	10.02	0.60
05 05 23 00-1350 EA 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	11.65	0.91
05 05 23 00-1351 EA 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	20.07	0.91
05 05 23 00-1352 EA 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	34.48	0.91
05 05 23 00-1353 304 Stainless Steel Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1354 EA 1/4" Diameter, 304 Stainless Steel Hex Nut	0.76	0.30
05 05 23 00-1355 EA 5/16" Diameter, 304 Stainless Steel Hex Nut	0.89	0.30
05 05 23 00-1356 EA 3/8" Diameter, 304 Stainless Steel Hex Nut	0.99	0.30
05 05 23 00-1357 EA 7/16" Diameter, 304 Stainless Steel Hex Nut	1.45	0.30
05 05 23 00-1358 EA 1/2" Diameter, 304 Stainless Steel Hex Nut	1.56	0.30
05 05 23 00-1359 EA 9/16" Diameter, 304 Stainless Steel Hex Nut	2.32	0.30
05 05 23 00-1360 EA 5/8" Diameter, 304 Stainless Steel Hex Nut	2.58	0.30
05 05 23 00-1361 EA 3/4" Diameter, 304 Stainless Steel Hex Nut	2.96	0.60
05 05 23 00-1362 EA 7/8" Diameter, 304 Stainless Steel Hex Nut	4.78	0.60
05 05 23 00-1363 EA 1" Diameter, 304 Stainless Steel Hex Nut	7.27	0.60
05 05 23 00-1364 EA 1-1/4" Diameter, 304 Stainless Steel Hex Nut	17.30	0.60
05 05 23 00-1365 EA 1-1/2" Diameter, 304 Stainless Steel Hex Nut	33.10	0.91
05 05 23 00-1366 EA 1-3/4" Diameter, 304 Stainless Steel Hex Nut	58.06	0.91
05 05 23 00-1367 EA 2" Diameter, 304 Stainless Steel Hex Nut	82.69	0.91
05 05 23 00-1368 316 Stainless Steel Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1369 EA 1/4" Diameter, 316 Stainless Steel Hex Nut	0.87	0.30
05 05 23 00-1370 EA 5/16" Diameter, 316 Stainless Steel Hex Nut	0.99	0.30
05 05 23 00-1371 EA 3/8" Diameter, 316 Stainless Steel Hex Nut	1.17	0.30
05 05 23 00-1372 EA 7/16" Diameter, 316 Stainless Steel Hex Nut	1.87	0.30
05 05 23 00-1373 EA 1/2" Diameter, 316 Stainless Steel Hex Nut	2.00	0.30
05 05 23 00-1374 EA 9/16" Diameter, 316 Stainless Steel Hex Nut	2.69	0.30
05 05 23 00-1375 EA 5/8" Diameter, 316 Stainless Steel Hex Nut	3.03	0.30
05 05 23 00-1376 EA 3/4" Diameter, 316 Stainless Steel Hex Nut	4.19	0.60
05 05 23 00-1377 EA 7/8" Diameter, 316 Stainless Steel Hex Nut	5.78	0.60
05 05 23 00-1378 EA 1" Diameter, 316 Stainless Steel Hex Nut	8.87	0.60
05 05 23 00-1379 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut	26.73	0.60
05 05 23 00-1380 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut	43.16	0.91
05 05 23 00-1381 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut	72.71	0.91
05 05 23 00-1382 EA 2" Diameter, 316 Stainless Steel Hex Nut	135.03	0.91
05 05 23 00-1383 Flat Washers (05 05 23 00-1283)		
05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers (05 05 23 00-1383)		
05 05 23 00-1385 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.04	
05 05 23 00-1386 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.06	
05 05 23 00-1387 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.11	
05 05 23 00-1388 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.16	
05 05 23 00-1389 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.23	
05 05 23 00-1390 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.26	
05 05 23 00-1391 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.44	
05 05 23 00-1392 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.64	
05 05 23 00-1393 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.76	
05 05 23 00-1394 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.94	
05 05 23 00-1395 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.06	
05 05 23 00-1396 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.26	
05 05 23 00-1397 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.98	
05 05 23 00-1398 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.03	
05 05 23 00-1399 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.01	
05 05 23 00-1400 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.74	
05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1383)		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1402 EA 1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.14	
05 05 23 00-1403 EA 5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.19	
05 05 23 00-1404 EA 3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.22	
05 05 23 00-1405 EA 7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.29	
05 05 23 00-1406 EA 1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.40	
05 05 23 00-1407 EA 9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.64	
05 05 23 00-1408 EA 5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.92	
05 05 23 00-1409 EA 3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.29	
05 05 23 00-1410 EA 7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.16	
05 05 23 00-1411 EA 1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.39	
05 05 23 00-1412 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.48	
05 05 23 00-1413 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.80	
05 05 23 00-1414 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.01	
05 05 23 00-1415 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.73	
05 05 23 00-1416 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.70	
05 05 23 00-1417 EA 2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	9.24	
05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)		
05 05 23 00-1419 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.09	
05 05 23 00-1420 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.13	
05 05 23 00-1421 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.14	
05 05 23 00-1422 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.27	
05 05 23 00-1423 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.34	
05 05 23 00-1424 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.56	
05 05 23 00-1425 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.63	
05 05 23 00-1426 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.96	
05 05 23 00-1427 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.34	
05 05 23 00-1428 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.48	
05 05 23 00-1429 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.26	
05 05 23 00-1430 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.51	
05 05 23 00-1431 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.59	
05 05 23 00-1432 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.89	
05 05 23 00-1433 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.65	
05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)		
05 05 23 00-1435 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.12	
05 05 23 00-1436 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.17	
05 05 23 00-1437 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.24	
05 05 23 00-1438 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.44	
05 05 23 00-1439 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.79	
05 05 23 00-1440 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.99	
05 05 23 00-1441 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.46	
05 05 23 00-1442 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.48	
05 05 23 00-1443 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.12	
05 05 23 00-1444 EA 1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.96	
05 05 23 00-1445 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.61	
05 05 23 00-1446 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.96	
05 05 23 00-1447 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	5.24	
05 05 23 00-1448 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	6.39	
05 05 23 00-1449 EA 1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	7.94	
05 05 23 00-1450 EA 2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	15.60	
05 05 23 00-1451 316 Stainless Steel Flat Washers (05 05 23 00-1383)		
05 05 23 00-1452 EA 1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.24	
05 05 23 00-1453 EA 5/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.26	
05 05 23 00-1454 EA 3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.47	
05 05 23 00-1455 EA 7/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.56	
05 05 23 00-1456 EA 1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.03	
05 05 23 00-1457 EA 9/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.85	
05 05 23 00-1458 EA 5/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.18	
05 05 23 00-1459 EA 3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.75	
05 05 23 00-1460 EA 7/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.26	
05 05 23 00-1461 EA 1" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.76	
05 05 23 00-1462 EA 1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	5.43	
05 05 23 00-1463 EA 1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	6.68	
05 05 23 00-1464 EA 1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	7.07	
05 05 23 00-1465 EA 1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	7.23	
05 05 23 00-1466 EA 1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	10.59	
05 05 23 00-1467 Lock Washers (05 05 23 00-1283)		
05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)		
05 05 23 00-1469 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.02	
05 05 23 00-1470 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.03	
05 05 23 00-1471 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.04	
05 05 23 00-1472 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.06	
05 05 23 00-1473 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1474 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	.015	
05 05 23 00-1475 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	.017	
05 05 23 00-1476 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	.026	
05 05 23 00-1477 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	.042	
05 05 23 00-1478 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	.076	
05 05 23 00-1479 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.12	
05 05 23 00-1480 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.71	
05 05 23 00-1481 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.71	
05 05 23 00-1482 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	3.19	
05 05 23 00-1483 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	5.70	
05 05 23 00-1484 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	6.42	
05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers <small>(05 05 23 00-1467)</small>		
05 05 23 00-1486 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	.007	
05 05 23 00-1487 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	.008	
05 05 23 00-1488 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	.011	
05 05 23 00-1489 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	.012	
05 05 23 00-1490 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	.019	
05 05 23 00-1491 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	.025	
05 05 23 00-1492 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	.029	
05 05 23 00-1493 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	.049	
05 05 23 00-1494 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	.071	
05 05 23 00-1495 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.12	
05 05 23 00-1496 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.02	
05 05 23 00-1497 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.41	
05 05 23 00-1498 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.48	
05 05 23 00-1499 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.98	
05 05 23 00-1500 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.39	
05 05 23 00-1501 EA 2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	7.34	
05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers <small>(05 05 23 00-1467)</small>		
05 05 23 00-1503 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	.010	
05 05 23 00-1504 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	.015	
05 05 23 00-1505 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	.020	
05 05 23 00-1506 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	.038	
05 05 23 00-1507 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	.042	
05 05 23 00-1508 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.02	
05 05 23 00-1509 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.20	
05 05 23 00-1510 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.40	
05 05 23 00-1511 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.54	
05 05 23 00-1512 EA 1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.59	
05 05 23 00-1513 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	6.26	
05 05 23 00-1514 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	8.32	
05 05 23 00-1515 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	10.59	
05 05 23 00-1516 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	12.70	
05 05 23 00-1517 316 Stainless Steel Lock Washers <small>(05 05 23 00-1467)</small>		
05 05 23 00-1518 EA 1/4" Inside Diameter, 316 Stainless Steel Lock Washer .....	.013	
05 05 23 00-1519 EA 5/16" Inside Diameter, 316 Stainless Steel Lock Washer .....	.028	
05 05 23 00-1520 EA 3/8" Inside Diameter, 316 Stainless Steel Lock Washer .....	.032	
05 05 23 00-1521 EA 7/16" Inside Diameter, 316 Stainless Steel Lock Washer .....	.055	
05 05 23 00-1522 EA 1/2" Inside Diameter, 316 Stainless Steel Lock Washer .....	.061	
05 05 23 00-1523 EA 9/16" Inside Diameter, 316 Stainless Steel Lock Washer	1.09	
05 05 23 00-1524 EA 5/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.20	
05 05 23 00-1525 EA 3/4" Inside Diameter, 316 Stainless Steel Lock Washer	2.06	
05 05 23 00-1526 EA 7/8" Inside Diameter, 316 Stainless Steel Lock Washer	3.41	
05 05 23 00-1527 EA 1" Inside Diameter, 316 Stainless Steel Lock Washer	4.64	
05 05 23 00-1528 EA 1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	6.48	
05 05 23 00-1529 EA 1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	9.98	
05 05 23 00-1530 EA 1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	17.86	
05 05 23 00-1531 EA 1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	19.84	
05 05 23 00-1532 Load Indicating Washers <small>(05 05 23 00-1283)</small>		
05 05 23 00-1533 A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) <small>(05 05 23 00-1532)</small>		
05 05 23 00-1534 Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) <small>(05 05 23 00-1533)</small>		
05 05 23 00-1535 EA 1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.86	
05 05 23 00-1536 EA 5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.10	
05 05 23 00-1537 EA 3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.27	
05 05 23 00-1538 EA 7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.58	
05 05 23 00-1539 EA 1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.11	
05 05 23 00-1540 EA 1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	5.17	
05 05 23 00-1541 EA 1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.68	
05 05 23 00-1542 EA 1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	8.53	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1543 EA 1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	9.38	
05 05 23 00-1544 Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) <small>(05 05 23 00-1533)</small>		
05 05 23 00-1545 EA 1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.35	
05 05 23 00-1546 EA 5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.62	
05 05 23 00-1547 EA 3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.55	
05 05 23 00-1548 EA 7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.11	
05 05 23 00-1549 EA 1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.68	
05 05 23 00-1550 EA 1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	5.55	
05 05 23 00-1551 EA 1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	6.99	
05 05 23 00-1552 EA 1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	9.95	
05 05 23 00-1553 EA 1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	10.94	
05 05 23 00-1554 Beveled Washers <small>(05 05 23 00-1283)</small>		
05 05 23 00-1555 Plain Finish, Square Beveled Structural Washers (ASTM F436) <small>(05 05 23 00-1554)</small>		
05 05 23 00-1556 EA 1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.07	
05 05 23 00-1557 EA 5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.13	
05 05 23 00-1558 EA 3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.20	
05 05 23 00-1559 EA 7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.89	
05 05 23 00-1560 EA 1", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.10	
05 05 23 00-1561 Galvanized, Square Beveled Structural Washers (ASTM F436) <small>(05 05 23 00-1554)</small>		
05 05 23 00-1562 EA 1/2", Galvanized, Square Beveled Structural Washer (ASTM F436).....	4.41	
05 05 23 00-1563 EA 5/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	4.61	
05 05 23 00-1564 EA 3/4", Galvanized, Square Beveled Structural Washer (ASTM F436).....	4.61	
05 05 23 00-1565 EA 7/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	4.88	
05 05 23 00-1566 EA 1", Galvanized, Square Beveled Structural Washer (ASTM F436).....	5.18	
05 05 23 00-1567 Drilling In Steel Plates <small>(05 05 23)</small>		
05 05 23 00-1568 EA Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	20.43	
For Aluminum, Deduct	-2.04	
For Stainless Steel, Add	2.55	
For >5 To 10, Deduct	-2.04	
For >10 To 25, Deduct	-5.11	
For >25 To 50, Deduct	-7.15	
For >50, Deduct	-10.22	
05 05 23 00-1569 EA >1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	24.04	
For Aluminum, Deduct	-2.40	
For Stainless Steel, Add	3.01	
For >5 To 10, Deduct	-2.40	
For >10 To 25, Deduct	-6.01	
For >25 To 50, Deduct	-8.41	
For >50, Deduct	-12.02	
05 05 23 00-1570 EA >7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	28.84	
For Aluminum, Deduct	-2.88	
For Stainless Steel, Add	3.61	
For >5 To 10, Deduct	-2.88	
For >10 To 25, Deduct	-7.21	
For >25 To 50, Deduct	-10.09	
For >50, Deduct	-14.42	
05 05 23 00-1571 EA >1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	33.65	
For Aluminum, Deduct	-3.37	
For Stainless Steel, Add	4.21	
For >5 To 10, Deduct	-3.37	
For >10 To 25, Deduct	-8.41	
For >25 To 50, Deduct	-11.78	
For >50, Deduct	-16.83	
05 05 23 00-1572 EA >4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	45.06	
For Aluminum, Deduct	-4.51	
For Stainless Steel, Add	5.63	
For >5 To 10, Deduct	-4.51	
For >10 To 25, Deduct	-11.27	
For >25 To 50, Deduct	-15.77	
For >50, Deduct	-22.53	
05 05 23 00-1573 EA Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	24.04	
For Aluminum, Deduct	-2.40	
For Stainless Steel, Add	3.01	
For >5 To 10, Deduct	-2.40	
For >10 To 25, Deduct	-6.01	
For >25 To 50, Deduct	-8.41	
For >50, Deduct	-12.02	
05 05 23 00-1574 EA >1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	30.04	
For Aluminum, Deduct	-3.00	
For Stainless Steel, Add	3.76	
For >5 To 10, Deduct	-3.00	
For >10 To 25, Deduct	-7.51	
For >25 To 50, Deduct	-10.51	
For >50, Deduct	-15.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1575 EA >7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	36.05	
For Aluminum, Deduct	-3.61	
For Stainless Steel, Add	4.51	
For >5 To 10, Deduct	-3.61	
For >10 To 25, Deduct	-9.01	
For >25 To 50, Deduct	-12.62	
For >50, Deduct	-18.03	
05 05 23 00-1576 EA >1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	45.06	
For Aluminum, Deduct	-4.51	
For Stainless Steel, Add	5.63	
For >5 To 10, Deduct	-4.51	
For >10 To 25, Deduct	-11.27	
For >25 To 50, Deduct	-15.77	
For >50, Deduct	-22.53	
05 05 23 00-1577 EA Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	30.04	
For Aluminum, Deduct	-3.00	
For Stainless Steel, Add	3.76	
For >5 To 10, Deduct	-3.00	
For >10 To 25, Deduct	-7.51	
For >25 To 50, Deduct	-10.51	
For >50, Deduct	-15.02	
05 05 23 00-1578 EA >1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	39.66	
For Aluminum, Deduct	-3.97	
For Stainless Steel, Add	4.96	
For >5 To 10, Deduct	-3.97	
For >10 To 25, Deduct	-9.92	
For >25 To 50, Deduct	-13.88	
For >50, Deduct	-19.83	
05 05 23 00-1579 EA >7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	48.06	
For Aluminum, Deduct	-4.81	
For Stainless Steel, Add	6.01	
For >5 To 10, Deduct	-4.81	
For >10 To 25, Deduct	-12.02	
For >25 To 50, Deduct	-16.82	
For >50, Deduct	-24.03	

05 05 23 00-1580 Welded Stud Anchors (05 05 23)

05 05 23 00-1581 EA 1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.26
05 05 23 00-1582 EA 2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.35
05 05 23 00-1583 EA 3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.39
05 05 23 00-1584 EA 4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.43
05 05 23 00-1585 EA 1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.18
05 05 23 00-1586 EA 1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.40
05 05 23 00-1587 EA 2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.63
05 05 23 00-1588 EA 2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.75
05 05 23 00-1589 EA 3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.87
05 05 23 00-1590 EA 4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.35
05 05 23 00-1591 EA 5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.73
05 05 23 00-1592 EA 6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.04
05 05 23 00-1593 EA 1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.13
05 05 23 00-1594 EA 1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.16
05 05 23 00-1595 EA 2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.52
05 05 23 00-1596 EA 2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.85
05 05 23 00-1597 EA 3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.27
05 05 23 00-1598 EA 4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.91
05 05 23 00-1599 EA 5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.33
05 05 23 00-1600 EA 6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	8.46
05 05 23 00-1601 EA 8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	10.61
05 05 23 00-1602 EA 2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	7.34
05 05 23 00-1603 EA 3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	7.89
05 05 23 00-1604 EA 3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.33
05 05 23 00-1605 EA 4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.76
05 05 23 00-1606 EA 4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.13
05 05 23 00-1607 EA 5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.46
05 05 23 00-1608 EA 6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.90
05 05 23 00-1609 EA 6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	11.73
05 05 23 00-1610 EA 8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	14.26

05 05 23 00-1611 Welded Shear Stud Connector (05 05 23)

05 05 23 00-1612 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1613 EA 3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	9.42
05 05 23 00-1614 EA 3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	9.80
05 05 23 00-1615 EA 3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	9.91
05 05 23 00-1616 EA 3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	9.96
05 05 23 00-1617 EA 3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	10.40
05 05 23 00-1618 EA 3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	11.20
05 05 23 00-1619 EA 3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector.....	18.97
05 05 23 00-1620 EA 3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	12.13
05 05 23 00-1621 EA 3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector.....	13.55
05 05 23 00-1622 EA 3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	17.65

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1623 EA 3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	18.09	
05 05 23 00-1624 EA 3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	19.64	
05 05 23 00-1625 EA 3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	26.14	
05 05 23 00-1626 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1611)		
05 05 23 00-1627 EA 7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	11.35	
05 05 23 00-1628 EA 7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector.....	11.97	
05 05 23 00-1629 EA 7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	12.59	
05 05 23 00-1630 EA 7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	14.37	
05 05 23 00-1631 EA 7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	18.60	
05 05 23 00-1632 EA 7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	20.49	
05 05 23 00-1633 EA 7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	22.35	
05 05 23 00-1634 EA 7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	27.56	
05 05 23 00-1635 1" Diameter Welded Shear Stud Connector (05 05 23 00-1611)		
05 05 23 00-1636 EA 1" Diameter x 3-1/4" Long, Welded Shear Stud Connector.....	15.41	
05 05 23 00-1637 EA 1" Diameter x 4-1/4" Long, Welded Shear Stud Connector.....	17.32	
05 05 23 00-1638 EA 1" Diameter x 5-1/4" Long, Welded Shear Stud Connector.....	20.13	
05 05 23 00-1639 EA 1" Diameter x 6-1/4" Long, Welded Shear Stud Connector.....	25.65	
05 05 23 00-1640 EA 1" Diameter x 7-1/4" Long, Welded Shear Stud Connector.....	28.60	
05 05 23 00-1641 EA 1" Diameter x 8-1/4" Long, Welded Shear Stud Connector.....	31.54	

05 10 Structural Metal Framing (05)**05 12 Structural Steel Framing (05 10)****05 12 23 Structural Steel for Buildings (05 12)**

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members (05 12 23)

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003 TON Up To 30 LB/LF Beams, Girders And Columns	10,825.48	1,278.04
For ASTM A242 Type 2 High Strength Steel, Add	654.52	
For Hot Dip Galvanizing, Add	2,290.82	
For >10 To 25 Tons, Deduct	-695.43	
For >25 To 50 Tons, Deduct	-1,431.76	
For >50 Tons, Deduct	-2,045.38	
05 12 23 00-0004 TON >30-65 LB/LF Beams, Girders And Columns	7,595.96	826.16
For ASTM A242 Type 2 High Strength Steel, Add	537.17	
For Hot Dip Galvanizing, Add	1,880.10	
For >10 To 25 Tons, Deduct	-570.74	
For >25 To 50 Tons, Deduct	-1,175.06	
For >50 Tons, Deduct	-1,678.66	
05 12 23 00-0005 TON >65-100 LB/LF Beams, Girders And Columns	6,456.89	464.76
For ASTM A242 Type 2 High Strength Steel, Add	476.89	
For Hot Dip Galvanizing, Add	1,669.12	
For >10 To 25 Tons, Deduct	-506.70	
For >25 To 50 Tons, Deduct	-1,043.20	
For >50 Tons, Deduct	-1,490.29	
05 12 23 00-0006 TON >100-300 LB/LF Beams, Girders And Columns	4,339.54	247.38
For ASTM A242 Type 2 High Strength Steel, Add	326.01	
For Hot Dip Galvanizing, Add	1,141.04	
For >10 To 25 Tons, Deduct	-346.39	
For >25 To 50 Tons, Deduct	-713.15	
For >50 Tons, Deduct	-1,018.79	

05 12 23 00-0007 Trusses, Built-Up (05 12 23 00-0001)

05 12 23 00-0008 TON Built-Up Trusses, Rolled Structural Steel Members	8,060.36	869.17
For ASTM A242 Type 2 High Strength Steel, Add	570.70	
For Hot Dip Galvanizing, Add	1,997.44	
For >10 To 25 Tons, Deduct	-606.37	
For >25 To 50 Tons, Deduct	-1,248.40	
For >50 Tons, Deduct	-1,783.43	

05 12 23 00-0009 Shapes (05 12 23 00-0001)**05 12 23 00-0010 Rolled Shape Steel Angles (05 12 23 00-0009)**



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0011 TON Up To 10 LB/LF Rolled Shape Steel Angles.....	15,775.03	2,375.87
For ASTM A242 Type 2 High Strength Steel, Add	945.22	
For Hot Dip Galvanizing, Add	3,308.27	
For >10 To 25 Tons, Deduct	-1,004.30	
For >25 To 50 Tons, Deduct	-2,067.67	
For >50 Tons, Deduct	-2,953.81	
05 12 23 00-0012 TON >10 To 20 LB/LF Rolled Shape Steel Angles.....	13,946.48	1,394.29
For ASTM A242 Type 2 High Strength Steel, Add	904.20	
For Hot Dip Galvanizing, Add	3,164.70	
For >10 To 25 Tons, Deduct	-960.71	
For >25 To 50 Tons, Deduct	-1,977.94	
For >50 Tons, Deduct	-2,825.63	
05 12 23 00-0013 TON >20 To 58 LB/LF Rolled Shape Steel Angles.....	10,823.83	826.16
For ASTM A242 Type 2 High Strength Steel, Add	795.41	
For Hot Dip Galvanizing, Add	2,783.94	
For >10 To 25 Tons, Deduct	-845.12	
For >25 To 50 Tons, Deduct	-1,739.96	
For >50 Tons, Deduct	-2,485.66	
05 12 23 00-0014 Rolled C, MC Steel Channels (05 12 23 00-0009)		
05 12 23 00-0015 TON Up To 10 LB/LF Rolled C, MC Steel Channels.....	17,084.67	3,253.35
For ASTM A242 Type 2 High Strength Steel, Add	930.95	
For Hot Dip Galvanizing, Add	3,258.33	
For >10 To 25 Tons, Deduct	-989.14	
For >25 To 50 Tons, Deduct	-2,036.46	
For >50 Tons, Deduct	-2,909.23	
05 12 23 00-0016 TON >10 To 20 Rolled C, MC Steel Channels.....	13,790.43	2,478.74
For ASTM A242 Type 2 High Strength Steel, Add	891.72	
For Hot Dip Galvanizing, Add	3,121.01	
For >10 To 25 Tons, Deduct	-947.45	
For >25 To 50 Tons, Deduct	-1,950.63	
For >50 Tons, Deduct	-2,786.61	
05 12 23 00-0017 TON >20 To 58 LB/LF Rolled C, MC Steel Channels.....	10,645.48	826.16
For ASTM A242 Type 2 High Strength Steel, Add	781.14	
For Hot Dip Galvanizing, Add	2,734.00	
For >10 To 25 Tons, Deduct	-829.96	
For >25 To 50 Tons, Deduct	-1,708.75	
For >50 Tons, Deduct	-2,441.07	
05 12 23 00-0018 Double L Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0019 TON Up To 20 LB/LF Double L Shape Steel Angles.....	14,669.20	1,885.08
For ASTM A242 Type 2 High Strength Steel, Add	909.55	
For Hot Dip Galvanizing, Add	3,183.43	
For >10 To 25 Tons, Deduct	-966.40	
For >25 To 50 Tons, Deduct	-1,989.64	
For >50 Tons, Deduct	-2,842.35	
05 12 23 00-0020 TON >20 To 50 LB/LF Double L Shape Steel Angles.....	11,581.79	826.16
For ASTM A242 Type 2 High Strength Steel, Add	856.05	
For Hot Dip Galvanizing, Add	2,996.17	
For >10 To 25 Tons, Deduct	-909.55	
For >25 To 50 Tons, Deduct	-1,872.61	
For >50 Tons, Deduct	-2,675.15	
05 12 23 00-0021 TON >50 To 80 LB/LF Double L Shape Steel Angles.....	8,744.13	464.76
For ASTM A242 Type 2 High Strength Steel, Add	659.87	
For Hot Dip Galvanizing, Add	2,309.55	
For >10 To 25 Tons, Deduct	-701.11	
For >25 To 50 Tons, Deduct	-1,443.47	
For >50 Tons, Deduct	-2,062.10	
05 12 23 00-0022 TON >80 To 115 LB/LF Double L Shape Steel Angles.....	5,614.29	247.75
For ASTM A242 Type 2 High Strength Steel, Add	428.02	
For Hot Dip Galvanizing, Add	1,498.08	
For >10 To 25 Tons, Deduct	-454.78	
For >25 To 50 Tons, Deduct	-936.30	
For >50 Tons, Deduct	-1,337.58	
05 12 23 00-0023 Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)		
05 12 23 00-0024 TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes.....	13,344.58	1,394.29
For ASTM A242 Type 2 High Strength Steel, Add	856.05	
For Hot Dip Galvanizing, Add	2,996.17	
For >10 To 25 Tons, Deduct	-909.55	
For >25 To 50 Tons, Deduct	-1,872.61	
For >50 Tons, Deduct	-2,675.15	
05 12 23 00-0025 TON >30 To 65 LB/LF Structural WT, MT, ST Tee Shapes.....	9,062.83	826.16
For ASTM A242 Type 2 High Strength Steel, Add	654.52	
For Hot Dip Galvanizing, Add	2,290.82	
For >10 To 25 Tons, Deduct	-695.43	
For >25 To 50 Tons, Deduct	-1,431.76	
For >50 Tons, Deduct	-2,045.38	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0026 TON >65 To 100 LB/LF Structural WT, MT, ST Tee Shapes	7,183.62	464.76
For ASTM A242 Type 2 High Strength Steel, Add	535.03	
For Hot Dip Galvanizing, Add	1,872.60	
For >10 To 25 Tons, Deduct	-568.47	
For >25 To 50 Tons, Deduct	-1,170.38	
For >50 Tons, Deduct	-1,671.97	
05 12 23 00-0027 TON >100 To 365 LB/LF Structural WT, MT, ST Tee Shapes	5,302.60	247.38
For ASTM A242 Type 2 High Strength Steel, Add	403.06	
For Hot Dip Galvanizing, Add	1,410.70	
For >10 To 25 Tons, Deduct	-428.25	
For >25 To 50 Tons, Deduct	-881.69	
For >50 Tons, Deduct	-1,259.55	
05 12 23 00-0028 Combination Section Shapes (05 12 23 00-0001)		
05 12 23 00-0029 Combination Section, W Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0030 TON Up To 30 LB/LF Combination Section - W Shapes And Angles	12,653.49	1,394.29
For ASTM A242 Type 2 High Strength Steel, Add	800.76	
For Hot Dip Galvanizing, Add	2,802.66	
For >10 To 25 Tons, Deduct	-850.81	
For >25 To 50 Tons, Deduct	-1,751.66	
For >50 Tons, Deduct	-2,502.38	
05 12 23 00-0031 TON >30-65 LB/LF Combination Section - W Shapes And Angles	9,129.72	826.16
For ASTM A242 Type 2 High Strength Steel, Add	659.87	
For Hot Dip Galvanizing, Add	2,309.55	
For >10 To 25 Tons, Deduct	-701.11	
For >25 To 50 Tons, Deduct	-1,443.47	
For >50 Tons, Deduct	-2,062.10	
05 12 23 00-0032 TON >65-100 LB/LF Combination Section - W Shapes And Angles	6,626.30	464.76
For ASTM A242 Type 2 High Strength Steel, Add	490.44	
For Hot Dip Galvanizing, Add	1,716.55	
For >10 To 25 Tons, Deduct	-521.10	
For >25 To 50 Tons, Deduct	-1,072.85	
For >50 Tons, Deduct	-1,532.64	
05 12 23 00-0033 TON >100-300 LB/LF Combination Section - W Shapes And Angles	5,748.05	247.38
For ASTM A242 Type 2 High Strength Steel, Add	438.72	
For Hot Dip Galvanizing, Add	1,535.54	
For >10 To 25 Tons, Deduct	-466.15	
For >25 To 50 Tons, Deduct	-959.71	
For >50 Tons, Deduct	-1,371.02	
05 12 23 00-0034 TON >300-500 LB/LF Combination Section - W Shapes And Angles	4,969.77	124.19
For ASTM A242 Type 2 High Strength Steel, Add	387.01	
For Hot Dip Galvanizing, Add	1,354.52	
For >10 To 25 Tons, Deduct	-411.19	
For >25 To 50 Tons, Deduct	-846.57	
For >50 Tons, Deduct	-1,209.39	
05 12 23 00-0035 Combination Section, S Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0036 TON >30-65 LB/LF Combination Section - S Shapes And Angles	8,773.02	826.16
For ASTM A242 Type 2 High Strength Steel, Add	631.34	
For Hot Dip Galvanizing, Add	2,209.67	
For >10 To 25 Tons, Deduct	-670.79	
For >25 To 50 Tons, Deduct	-1,381.05	
For >50 Tons, Deduct	-1,972.92	
05 12 23 00-0037 TON >65-100 LB/LF Combination Section - S Shapes And Angles	6,648.59	464.76
For ASTM A242 Type 2 High Strength Steel, Add	492.23	
For Hot Dip Galvanizing, Add	1,722.80	
For >10 To 25 Tons, Deduct	-522.99	
For >25 To 50 Tons, Deduct	-1,076.75	
For >50 Tons, Deduct	-1,538.21	
05 12 23 00-0038 Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039 TON Up To 30 LB/LF Combination Section - Channels And Angles	13,344.58	1,394.29
For ASTM A242 Type 2 High Strength Steel, Add	856.05	
For Hot Dip Galvanizing, Add	2,996.17	
For >10 To 25 Tons, Deduct	-909.55	
For >25 To 50 Tons, Deduct	-1,872.61	
For >50 Tons, Deduct	-2,675.15	
05 12 23 00-0040 TON >30-65 LB/LF Combination Section - Channels And Angles	9,575.56	826.16
For ASTM A242 Type 2 High Strength Steel, Add	695.54	
For Hot Dip Galvanizing, Add	2,434.38	
For >10 To 25 Tons, Deduct	-739.01	
For >25 To 50 Tons, Deduct	-1,521.49	
For >50 Tons, Deduct	-2,173.56	
05 12 23 00-0041 TON >65-100 LB/LF Combination Section - Channels And Angles	6,804.64	464.76
For ASTM A242 Type 2 High Strength Steel, Add	504.71	
For Hot Dip Galvanizing, Add	1,766.49	
For >10 To 25 Tons, Deduct	-536.26	
For >25 To 50 Tons, Deduct	-1,104.06	
For >50 Tons, Deduct	-1,577.22	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0042 Standard Weight Pipe <small>(05 12 23 00-0001)</small>		
05 12 23 00-0043 TON 1/2" To 5" Diameter Standard Weight Pipe.....	7,748.59	743.62
For ASTM A242 Type 2 High Strength Steel, Add	556.43	
For Hot Dip Galvanizing, Add	1,947.51	
For >10 To 25 Tons, Deduct	-591.21	
For >25 To 50 Tons, Deduct	-1,217.19	
For >50 Tons, Deduct	-1,738.85	
05 12 23 00-0044 TON >5" To 12" Diameter Standard Weight Pipe.....	8,258.99	929.52
For ASTM A242 Type 2 High Strength Steel, Add	561.40	
For Hot Dip Galvanizing, Add	2,034.90	
For >10 To 25 Tons, Deduct	-617.74	
For >25 To 50 Tons, Deduct	-1,271.81	
For >50 Tons, Deduct	-1,816.87	
05 12 23 00-0045 Structural Steel Shapes <small>(05 12 23)</small>		
Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0117 for field fabrication of additional structural metal connections.		
05 12 23 00-0046 Steel Rods <small>(05 12 23 00-0045)</small>		
05 12 23 00-0047 TON 1/2" To 5" Diameter Extra Strong Steel, Solid.....	8,377.61	581.01
For ASTM A242 Type 2 High Strength Steel, Add	620.63	
For Hot Dip Galvanizing, Add	2,172.22	
For >10 To 25 Tons, Deduct	-659.42	
For >25 To 50 Tons, Deduct	-1,357.64	
For >50 Tons, Deduct	-1,939.48	
05 12 23 00-0048 TON >5" To 12" Diameter Extra Strong Steel, Solid.....	9,575.56	826.16
For ASTM A242 Type 2 High Strength Steel, Add	695.54	
For Hot Dip Galvanizing, Add	2,434.38	
For >10 To 25 Tons, Deduct	-739.01	
For >25 To 50 Tons, Deduct	-1,521.49	
For >50 Tons, Deduct	-2,173.56	
05 12 23 00-0049 Column Base Plates <small>(05 12 23 00-0045)</small>		
05 12 23 00-0050 LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items	4.15	0.76
For ASTM A242 Type 2 High Strength Steel, Add	0.27	
For Hot Dip Galvanizing, Add	0.94	
05 12 23 00-0051 LB Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items	3.91	0.65
For ASTM A242 Type 2 High Strength Steel, Add	0.25	
For Hot Dip Galvanizing, Add	0.89	
05 12 23 00-0052 TON Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items	7,619.04	677.82
For ASTM A242 Type 2 High Strength Steel, Add	551.68	
For Hot Dip Galvanizing, Add	1,930.89	
For >10 To 25 Tons, Deduct	-586.16	
For >25 To 50 Tons, Deduct	-1,206.81	
For >50 Tons, Deduct	-1,724.01	
05 12 23 00-0053 TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items	5,421.63	406.69
For ASTM A242 Type 2 High Strength Steel, Add	399.03	
For Hot Dip Galvanizing, Add	1,396.59	
For >10 To 25 Tons, Deduct	-423.96	
For >25 To 50 Tons, Deduct	-872.87	
For >50 Tons, Deduct	-1,246.96	
05 12 23 00-0054 Double Extra Strong Pipes <small>(05 12 23 00-0045)</small>		
05 12 23 00-0055 TON 2" To 5" Diameter Double Extra Strong Pipe	10,005.72	1,062.26
For ASTM A242 Type 2 High Strength Steel, Add	709.81	
For Hot Dip Galvanizing, Add	2,484.32	
For >10 To 25 Tons, Deduct	-754.17	
For >25 To 50 Tons, Deduct	-1,552.70	
For >50 Tons, Deduct	-2,218.15	
05 12 23 00-0056 TON >5" To 8" Diameter Double Extra Strong Pipe	9,482.73	571.96
For ASTM A242 Type 2 High Strength Steel, Add	709.81	
For Hot Dip Galvanizing, Add	2,484.32	
For >10 To 25 Tons, Deduct	-754.17	
For >25 To 50 Tons, Deduct	-1,552.70	
For >50 Tons, Deduct	-2,218.15	
05 12 23 00-0057 Structural Pipes <small>(05 12 23 00-0045)</small>		
05 12 23 00-0058 TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items.....	6,997.14	490.79
For ASTM A242 Type 2 High Strength Steel, Add	499.36	
For Hot Dip Galvanizing, Add	1,747.76	
For >10 To 25 Tons, Deduct	-530.57	
For >25 To 50 Tons, Deduct	-1,092.35	
For >50 Tons, Deduct	-1,560.50	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0059	TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	7,490.75 499.36 1,747.76 -530.57 -1,092.35 -1,560.50	566.02
05 12 23 00-0060	Structural Tubing (05 12 23 00-0045)		
05 12 23 00-0061	Rectangle Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0062	TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	11,675.25 891.72 3,121.01 -947.45 -1,950.63 -2,786.61	495.75
05 12 23 00-0063	TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	11,756.60 891.72 3,121.01 -947.45 -1,950.63 -2,786.61	571.96
05 12 23 00-0064	TON 5" x 4", 3", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	10,246.94 766.88 2,684.07 -814.81 -1,677.54 -2,396.49	619.68
05 12 23 00-0065	TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	9,710.36 713.37 2,496.80 -757.96 -1,560.50 -2,229.29	743.62
05 12 23 00-0066	TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	9,537.82 692.52 2,423.82 -735.80 -1,514.89 -2,164.12	826.16
05 12 23 00-0067	TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	9,671.98 676.19 2,366.68 -718.46 -1,479.18 -2,113.11	1,143.32
05 12 23 00-0068	TON 10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	10,038.90 674.14 2,359.48 -716.27 -1,474.68 -2,106.68	1,511.41
05 12 23 00-0069	TON 12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	10,276.98 681.27 2,384.45 -723.85 -1,490.28 -2,128.97	1,650.96
05 12 23 00-0070	TON 14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	10,498.88 681.27 2,384.45 -723.85 -1,490.28 -2,128.97	1,859.05
05 12 23 00-0071	TON 16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	11,070.70 674.14 2,359.48 -716.27 -1,474.68 -2,106.68	2,478.74
05 12 23 00-0072	TON 18" x 6", 4" Weight Range 48-76 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	12,369.73 656.30 2,297.06 -697.32 -1,435.66 -2,050.95	3,905.62
05 12 23 00-0073	TON 20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	13,916.22 626.67 2,193.36 -665.84 -1,370.85 -1,958.36	5,702.71
05 12 23 00-0074	Square Structural Tubing (05 12 23 00-0060)		



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0075	TON	2" x 2"	Weight Range 4-6 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	11,642.20 891.72 3,121.01 -947.45 -1,950.63 -2,786.61	464.76
05 12 23 00-0076	TON	2.5" x 2.5"	Weight Range 5-8 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	11,675.25 891.72 3,121.01 -947.45 -1,950.63 -2,786.61	495.75
05 12 23 00-0077	TON	3" x 3"	Weight Range 6-11 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	10,469.87 784.71 2,746.49 -833.75 -1,716.55 -2,452.22	619.68
05 12 23 00-0078	TON	3.5" x 3.5"	Weight Range 8-13 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	10,379.15 766.88 2,684.07 -814.81 -1,677.54 -2,396.49	743.62
05 12 23 00-0079	TON	4" x 4"	Weight Range 10-22 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	8,303.57 584.97 2,047.38 -621.53 -1,279.61 -1,828.02	929.52
05 12 23 00-0080	TON	5" x 5"	Weight Range 12-30 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	8,445.21 584.97 2,047.38 -621.53 -1,279.61 -1,828.02	1,062.26
05 12 23 00-0081	TON	6" x 6"	Weight Range 15-35 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	8,898.46 584.97 2,047.38 -621.53 -1,279.61 -1,828.02	1,487.24
05 12 23 00-0082	TON	7" x 7"	Weight Range 17-42 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	9,428.82 595.67 2,084.83 -632.90 -1,303.02 -1,861.46	1,859.05
05 12 23 00-0083	TON	8" x 8"	Weight Range 20-60 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	11,293.63 691.97 2,421.90 -735.22 -1,513.69 -2,162.41	2,478.74
05 12 23 00-0084	TON	10" x 10"	Weight Range 33-77 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	12,615.63 691.97 2,421.90 -735.22 -1,513.69 -2,162.41	3,718.11
05 12 23 00-0085	TON	12" x 12"	Weight Range 40-80 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	12,100.74 595.67 2,084.83 -632.90 -1,303.02 -1,861.46	4,363.95
05 12 23 00-0086	TON	14" x 14"	Weight Range 57-90 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	14,554.09 677.70 2,371.96 -720.06 -1,482.48 -2,117.83	5,702.71
05 12 23 00-0087	TON	16" x 16"	Weight Range 65-105 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	16,581.61 691.97 2,421.90 -735.22 -1,513.69 -2,162.41	7,436.22

05 12 23 00-0088 Structural Shapes (05 12 23 00-0045)

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0089 TON Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF)	8,450.95	2,711.29
For ASTM A242 Type 2 High Strength Steel, Add	331.79	
For Hot Dip Galvanizing, Add	1,161.25	
For >20 To 50 LB/LF, Deduct	-1,060.28	
For >50 To 75 LB/LF, Deduct	-1,698.01	
For >75 To 100 LB/LF, Deduct	-2,335.73	
For >10 To 25 Tons, Deduct	-352.52	
For >25 To 50 Tons, Deduct	-725.78	
For >50 Tons, Deduct	-1,036.83	
05 12 23 00-0090 TON Structural Shapes, Steel Plate A36 Structural Steel	8,576.05	1,084.52
Note: Up to 21.5 LB per SF		
For ASTM A242 Type 2 High Strength Steel, Add	570.71	
For Hot Dip Galvanizing, Add	1,997.49	
For >21.5 To 50 LB/LF, Deduct	-929.71	
For >10 To 25 Tons, Deduct	-606.38	
For >25 To 50 Tons, Deduct	-1,248.43	
For >50 Tons, Deduct	-1,783.47	
05 12 23 00-0091 LB Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	5.01	0.24
05 12 23 00-0092 LB Structural Shapes, Galvanized Pipe Supports	6.13	0.24
05 12 23 00-0093 Built-Up Trusses (05 12 23 00-0045)		
05 12 23 00-0094 TON Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	9,469.81	371.81
For >10 To 25 Tons, Deduct	-771.22	
For >25 To 50 Tons, Deduct	-1,587.81	
For >50 Tons, Deduct	-2,268.30	
05 12 23 00-0095 TON >50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	9,382.71	206.47
For >10 To 25 Tons, Deduct	-778.80	
For >25 To 50 Tons, Deduct	-1,603.42	
For >50 Tons, Deduct	-2,290.60	
05 12 23 00-0096 TON >100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	8,365.02	109.32
For >10 To 25 Tons, Deduct	-701.11	
For >25 To 50 Tons, Deduct	-1,443.47	
For >50 Tons, Deduct	-2,062.10	
05 12 23 00-0097 TON >200 LF Span Average Weight 180 LB/LF Trusses, Built-up	8,135.62	103.36
For >10 To 25 Tons, Deduct	-682.16	
For >25 To 50 Tons, Deduct	-1,404.45	
For >50 Tons, Deduct	-2,006.36	
05 12 23 00-0098 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps (05 12 23 00-0045)		
Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0099 SF 1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	30.93	7.81
05 12 23 00-0100 SF 3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	46.40	11.68
05 12 23 00-0101 SF 1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	61.86	15.57
05 12 23 00-0102 SF 5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	77.32	19.46
05 12 23 00-0103 SF 3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	92.79	23.24
05 12 23 00-0104 SF 7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	108.26	27.24
05 12 23 00-0105 SF 1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	123.72	31.14
05 12 23 00-0106 SF 1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	139.19	35.03
05 12 23 00-0107 SF 1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	154.65	38.92
05 12 23 00-0108 SF 1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	170.11	42.81
05 12 23 00-0109 SF 1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	185.58	46.71
05 12 23 00-0110 SF 1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	201.04	50.60
05 12 23 00-0111 SF 1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	216.52	54.48
05 12 23 00-0112 SF 1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	231.99	58.38
05 12 23 00-0113 SF 2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	247.44	62.27
05 12 23 00-0114 Accessories For Steel (05 12 23)		
05 12 23 00-0115 Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0114)		
05 12 23 00-0116 SF Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	1.24	
05 12 23 00-0117 Connection And Stiffener Plates (05 12 23 00-0114)		
Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0118 TON 1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates	20,594.81	
For >10 To 25 Tons, Deduct	-1,750.56	
For >25 To 50 Tons, Deduct	-3,604.09	
For >50 Tons, Deduct	-5,148.70	
05 12 23 00-0119 TON 3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates	17,571.41	
For >10 To 25 Tons, Deduct	-1,493.57	
For >25 To 50 Tons, Deduct	-3,075.00	
For >50 Tons, Deduct	-4,392.85	
05 12 23 00-0120 TON 1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates	13,588.33	
For >10 To 25 Tons, Deduct	-1,155.01	
For >25 To 50 Tons, Deduct	-2,377.96	
For >50 Tons, Deduct	-3,397.08	
05 12 23 00-0121 TON 5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates	13,588.33	
For >10 To 25 Tons, Deduct	-1,155.01	
For >25 To 50 Tons, Deduct	-2,377.96	
For >50 Tons, Deduct	-3,397.08	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0122 TON 3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates.....	13,588.33	
For >10 To 25 Tons, Deduct	-1,155.01	
For >25 To 50 Tons, Deduct	-2,377.96	
For >50 Tons, Deduct	-3,397.08	
05 12 23 00-0123 TON 1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates.....	13,588.33	
For >10 To 25 Tons, Deduct	-1,155.01	
For >25 To 50 Tons, Deduct	-2,377.96	
For >50 Tons, Deduct	-3,397.08	
05 12 23 00-0124 TON 9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates.....	13,588.33	
For >10 To 25 Tons, Deduct	-1,155.01	
For >25 To 50 Tons, Deduct	-2,377.96	
For >50 Tons, Deduct	-3,397.08	
05 12 23 00-0125 TON 5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates.....	13,588.33	
For >10 To 25 Tons, Deduct	-1,155.01	
For >25 To 50 Tons, Deduct	-2,377.96	
For >50 Tons, Deduct	-3,397.08	
05 12 23 00-0126 TON 3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates.....	12,739.06	
For >10 To 25 Tons, Deduct	-1,082.82	
For >25 To 50 Tons, Deduct	-2,229.34	
For >50 Tons, Deduct	-3,184.77	
05 12 23 00-0127 TON 7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates.....	12,739.06	
For >10 To 25 Tons, Deduct	-1,082.82	
For >25 To 50 Tons, Deduct	-2,229.34	
For >50 Tons, Deduct	-3,184.77	
05 12 23 00-0128 TON 1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates.....	12,739.06	
For >10 To 25 Tons, Deduct	-1,082.82	
For >25 To 50 Tons, Deduct	-2,229.34	
For >50 Tons, Deduct	-3,184.77	
05 12 23 00-0129 Field Applied Cold Galvanizing (05 12 23 00-0114)		
05 12 23 00-0130 SF Brush Applied Cold Galvanizing.....	1.93	
05 12 23 00-0131 Metal Grinding (05 12 23 00-0114)		
Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0132 SI Metal Grinding Up To 1/32" Thickness To Be Removed.....	1.25	
Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0133 Structural Steel For Buildings And Structures (05 12 23)		
Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
05 12 23 00-0134 First Tier A992/A36 Structural Steel Columns, W Shapes (05 12 23 00-0133)		
Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0135 LF W14 x 730 A992/A36 Structural Column	1,639.34	75.20
For Hot Dip Galvanizing, Add	432.67	
For High Strength Low Alloy A572-50 Steel, Add	147.54	
For High Strength Low Alloy A588 Grade B Steel, Add	327.87	
05 12 23 00-0136 LF W14 x 665 A992/A36 Structural Column	1,495.07	70.09
For Hot Dip Galvanizing, Add	394.15	
For High Strength Low Alloy A572-50 Steel, Add	134.56	
For High Strength Low Alloy A588 Grade B Steel, Add	299.01	
05 12 23 00-0137 LF W14 x 605 A992/A36 Structural Column	1,361.77	65.24
For Hot Dip Galvanizing, Add	358.59	
For High Strength Low Alloy A572-50 Steel, Add	122.56	
For High Strength Low Alloy A588 Grade B Steel, Add	272.35	
05 12 23 00-0138 LF W14 x 550 A992/A36 Structural Column	1,239.43	60.69
For Hot Dip Galvanizing, Add	325.99	
For High Strength Low Alloy A572-50 Steel, Add	111.55	
For High Strength Low Alloy A588 Grade B Steel, Add	247.89	
05 12 23 00-0139 LF W14 x 500 A992/A36 Structural Column	1,136.70	64.45
For Hot Dip Galvanizing, Add	296.35	
For High Strength Low Alloy A572-50 Steel, Add	102.30	
For High Strength Low Alloy A588 Grade B Steel, Add	227.34	
05 12 23 00-0140 LF W14 x 426 A992/A36 Structural Column	969.84	56.27
For Hot Dip Galvanizing, Add	252.49	
For High Strength Low Alloy A572-50 Steel, Add	87.29	
For High Strength Low Alloy A588 Grade B Steel, Add	193.97	
05 12 23 00-0141 LF W14 x 342 A992/A36 Structural Column	784.18	48.71
For Hot Dip Galvanizing, Add	203.21	
For High Strength Low Alloy A572-50 Steel, Add	70.58	
For High Strength Low Alloy A588 Grade B Steel, Add	156.84	
05 12 23 00-0142 LF W14 x 311 A992/A36 Structural Column	706.25	45.49
For Hot Dip Galvanizing, Add	182.52	
For High Strength Low Alloy A572-50 Steel, Add	63.56	
For High Strength Low Alloy A588 Grade B Steel, Add	141.25	
05 12 23 00-0143 LF W14 x 283 A992/A36 Structural Column	641.02	42.88
For Hot Dip Galvanizing, Add	165.21	
For High Strength Low Alloy A572-50 Steel, Add	57.69	
For High Strength Low Alloy A588 Grade B Steel, Add	128.20	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0144	LF	W14 x 257 A992/A36	Structural Column	563.38	40.65
			<i>For Hot Dip Galvanizing, Add</i>	144.32	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	50.70	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	112.68	
05 12 23 00-0145	LF	W14 x 233 A992/A36	Structural Column	518.46	37.80
			<i>For Hot Dip Galvanizing, Add</i>	132.69	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	46.66	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	103.69	
05 12 23 00-0146	LF	W14 x 211 A992/A36	Structural Column	461.13	35.20
			<i>For Hot Dip Galvanizing, Add</i>	117.54	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	41.50	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	92.23	
05 12 23 00-0147	LF	W14 x 193 A992/A36	Structural Column	417.04	33.46
			<i>For Hot Dip Galvanizing, Add</i>	105.82	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	37.53	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	83.41	
05 12 23 00-0148	LF	W14 x 176 A992/A36	Structural Column	375.85	31.97
			<i>For Hot Dip Galvanizing, Add</i>	94.84	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	33.83	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	75.17	
05 12 23 00-0149	LF	W14 x 159 A992/A36	Structural Column	339.79	30.86
			<i>For Hot Dip Galvanizing, Add</i>	85.18	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	30.58	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.96	
05 12 23 00-0150	LF	W14 x 145 A992/A36	Structural Column	328.37	29.87
			<i>For Hot Dip Galvanizing, Add</i>	82.28	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	29.55	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	65.67	
05 12 23 00-0151	LF	W14 x 132 A992/A36	Structural Column	280.77	28.51
			<i>For Hot Dip Galvanizing, Add</i>	69.49	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	25.27	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	56.15	
05 12 23 00-0152	LF	W14 x 120 A992/A36	Structural Column	263.23	27.76
			<i>For Hot Dip Galvanizing, Add</i>	64.83	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.69	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	52.65	
05 12 23 00-0153	LF	W14 x 109 A992/A36	Structural Column	235.67	26.65
			<i>For Hot Dip Galvanizing, Add</i>	57.52	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.21	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	47.13	
05 12 23 00-0154	LF	W14 x 99 A992/A36	Structural Column	215.00	25.90
			<i>For Hot Dip Galvanizing, Add</i>	52.03	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.35	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.00	
05 12 23 00-0155	LF	W14 x 90 A992/A36	Structural Column	199.72	25.29
			<i>For Hot Dip Galvanizing, Add</i>	47.96	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.97	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.94	
05 12 23 00-0156	LF	W14 x 82 A992/A36	Structural Column	183.95	24.54
			<i>For Hot Dip Galvanizing, Add</i>	43.79	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.56	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.79	
05 12 23 00-0157	LF	W14 x 74 A992/A36	Structural Column	166.07	23.92
			<i>For Hot Dip Galvanizing, Add</i>	39.03	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.95	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.21	
05 12 23 00-0158	LF	W14 x 68 A992/A36	Structural Column	155.10	23.55
			<i>For Hot Dip Galvanizing, Add</i>	36.09	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.96	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.02	
05 12 23 00-0159	LF	W14 x 61 A992/A36	Structural Column	141.39	22.92
			<i>For Hot Dip Galvanizing, Add</i>	32.46	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.73	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.28	
05 12 23 00-0160	LF	W14 x 53 A992/A36	Structural Column	128.77	22.31
			<i>For Hot Dip Galvanizing, Add</i>	29.13	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.59	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.75	
05 12 23 00-0161	LF	W14 x 48 A992/A36	Structural Column	120.62	21.94
			<i>For Hot Dip Galvanizing, Add</i>	26.97	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.86	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	24.12	
05 12 23 00-0162	LF	W14 x 43 A992/A36	Structural Column	108.81	21.57
			<i>For Hot Dip Galvanizing, Add</i>	23.83	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.79	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	21.76	
05 12 23 00-0163	LF	W12 x 336 A992/A36	Structural Column	747.58	33.49
			<i>For Hot Dip Galvanizing, Add</i>	197.55	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	67.28	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	149.52	
05 12 23 00-0164	LF	W12 x 305 A992/A36	Structural Column	681.20	32.82
			<i>For Hot Dip Galvanizing, Add</i>	179.32	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	61.31	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	136.24	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0165	LF		W12 x 279 A992/A36 Structural Column	625.68	32.43
			<i>For Hot Dip Galvanizing, Add</i>	164.03	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	56.31	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	125.14	
05 12 23 00-0166	LF		W12 x 252 A992/A36 Structural Column	567.62	31.62
			<i>For Hot Dip Galvanizing, Add</i>	148.16	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	51.09	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	113.52	
05 12 23 00-0167	LF		W12 x 230 A992/A36 Structural Column	520.52	31.16
			<i>For Hot Dip Galvanizing, Add</i>	135.23	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	46.85	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	104.10	
05 12 23 00-0168	LF		W12 x 210 A992/A36 Structural Column	477.67	30.73
			<i>For Hot Dip Galvanizing, Add</i>	123.47	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	42.99	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.53	
05 12 23 00-0169	LF		W12 x 190 A992/A36 Structural Column	439.11	34.21
			<i>For Hot Dip Galvanizing, Add</i>	111.71	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	39.52	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.82	
05 12 23 00-0170	LF		W12 x 170 A992/A36 Structural Column	396.76	33.21
			<i>For Hot Dip Galvanizing, Add</i>	100.30	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	35.71	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.35	
05 12 23 00-0171	LF		W12 x 152 A992/A36 Structural Column	357.64	30.86
			<i>For Hot Dip Galvanizing, Add</i>	90.13	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	32.19	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	71.53	
05 12 23 00-0172	LF		W12 x 136 A992/A36 Structural Column	339.99	29.99
			<i>For Hot Dip Galvanizing, Add</i>	85.47	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	30.60	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	68.00	
05 12 23 00-0173	LF		W12 x 120 A992/A36 Structural Column	257.28	27.51
			<i>For Hot Dip Galvanizing, Add</i>	63.21	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.16	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	51.46	
05 12 23 00-0174	LF		W12 x 106 A992/A36 Structural Column	237.09	26.65
			<i>For Hot Dip Galvanizing, Add</i>	57.91	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.34	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	47.42	
05 12 23 00-0175	LF		W12 x 96 A992/A36 Structural Column	212.05	25.78
			<i>For Hot Dip Galvanizing, Add</i>	51.24	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.08	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.41	
05 12 23 00-0176	LF		W12 x 87 A992/A36 Structural Column	195.59	24.92
			<i>For Hot Dip Galvanizing, Add</i>	46.88	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.60	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.12	
05 12 23 00-0177	LF		W12 x 79 A992/A36 Structural Column	171.57	24.17
			<i>For Hot Dip Galvanizing, Add</i>	40.46	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.44	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	34.31	
05 12 23 00-0178	LF		W12 x 72 A992/A36 Structural Column	156.99	23.55
			<i>For Hot Dip Galvanizing, Add</i>	36.58	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.13	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.40	
05 12 23 00-0179	LF		W12 x 65 A992/A36 Structural Column	143.47	23.06
			<i>For Hot Dip Galvanizing, Add</i>	33.00	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.91	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.69	
05 12 23 00-0180	LF		W12 x 58 A992/A36 Structural Column	138.80	22.80
			<i>For Hot Dip Galvanizing, Add</i>	31.78	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.49	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	27.76	
05 12 23 00-0181	LF		W12 x 53 A992/A36 Structural Column	128.77	22.31
			<i>For Hot Dip Galvanizing, Add</i>	29.13	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.59	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.75	
05 12 23 00-0182	LF		W12 x 50 A992/A36 Structural Column	124.75	22.18
			<i>For Hot Dip Galvanizing, Add</i>	28.05	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.23	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	24.95	
05 12 23 00-0183	LF		W12 x 45 A992/A36 Structural Column	113.30	21.69
			<i>For Hot Dip Galvanizing, Add</i>	25.01	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.20	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	22.66	
05 12 23 00-0184	LF		W12 x 40 A992/A36 Structural Column	101.49	21.20
			<i>For Hot Dip Galvanizing, Add</i>	21.87	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.13	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	20.30	
05 12 23 00-0185	LF		W10 x 112 A992/A36 Structural Column	248.00	27.14
			<i>For Hot Dip Galvanizing, Add</i>	60.81	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.32	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	49.60	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0186	LF	W10 x 110 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	224.26 54.53 20.18 44.85	26.02
05 12 23 00-0187	LF	W10 x 88 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	201.54 48.50 18.14 40.31	25.16
05 12 23 00-0188	LF	W10 x 77 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	179.17 42.57 16.13 35.83	24.17
05 12 23 00-0189	LF	W10 x 68 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	161.28 37.81 14.52 32.26	23.55
05 12 23 00-0190	LF	W10 x 60 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	141.39 32.46 12.73 28.28	22.92
05 12 23 00-0191	LF	W10 x 54 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	140.45 32.27 12.64 28.09	22.55
05 12 23 00-0192	LF	W10 x 49 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	123.22 27.66 11.09 24.64	22.18
05 12 23 00-0193	LF	W10 x 45 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	118.90 26.53 10.70 23.78	21.81
05 12 23 00-0194	LF	W10 x 39 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	103.39 22.36 9.31 20.68	21.44
05 12 23 00-0195	LF	W10 x 33 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	90.04 18.83 8.10 18.01	20.82
05 12 23 00-0196	LF	W8 x 67 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	155.28 36.14 13.98 31.06	23.55
05 12 23 00-0197	LF	W8 x 58 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	139.33 31.92 12.54 27.87	22.80
05 12 23 00-0198	LF	W8 x 48 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	124.63 28.05 11.22 24.93	22.18
05 12 23 00-0199	LF	W8 x 40 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	106.87 23.29 9.62 21.37	21.57
05 12 23 00-0200	LF	W8 x 35 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	96.47 20.55 8.68 19.29	21.06
05 12 23 00-0201	LF	W8 x 31 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	88.09 18.29 7.93 17.62	20.82
05 12 23 00-0202	LF	W8 x 28 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	82.91 16.92 7.46 16.58	20.57
05 12 23 00-0203	LF	W8 x 24 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	76.65 15.25 6.90 15.33	20.33
05 12 23 00-0204	LF	W8 x 21 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	72.51 14.17 6.53 14.50	20.20
05 12 23 00-0205	LF	W8 x 18 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	64.67 12.06 5.82 12.93	19.83
05 12 23 00-0206	LF	W6 x 25 A992/A36	Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	80.53 16.33 7.25 16.11	20.33



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0207	LF		W6 x 20 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.97 12.95 6.12 13.59	19.96
05 12 23 00-0208	LF		W6 x 15 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	58.15 10.40 5.23 11.63	19.34
05 12 23 00-0209	LF		W6 x 12 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	54.44 9.37 4.90 10.89	19.34
05 12 23 00-0210	LF		W6 x 9 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	49.73 8.09 4.48 9.95	19.21
05 12 23 00-0211	LF		W5 x 19 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	66.91 12.65 6.02 13.38	19.96
05 12 23 00-0212	LF		W5 x 16 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	61.54 11.23 5.54 12.31	19.83
05 12 23 00-0213	LF		W4 x 13 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	57.58 10.20 5.18 11.52	19.59
05 12 23 00-0214 A992/A36 Structural Steel Beams And Girders, W Shapes <small>(05 12 23 00-0133)</small>					
Note: Includes material delivery and erection.					
05 12 23 00-0215	LF		W36 x 300 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	589.58 139.23 53.06 117.92 5.02 -193.18 70.75	82.36
05 12 23 00-0216	LF		W36 x 280 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	567.44 129.95 51.07 113.49 4.68 -183.73 68.09	92.96
05 12 23 00-0217	LF		W36 x 260 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	537.09 121.87 48.34 107.42 4.39 -173.30 64.45	91.84
05 12 23 00-0218	LF		W36 x 240 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	501.74 115.74 45.16 100.35 4.17 -162.91 60.21	79.38
05 12 23 00-0219	LF		W36 x 230 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	485.56 110.92 43.70 97.11 4.00 -157.07 58.27	80.51
05 12 23 00-0220	LF		W36 x 210 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	459.74 101.27 41.38 91.95 3.65 -146.69 55.17	88.86
05 12 23 00-0221	LF		W36 x 194 A992/A36 Structural Beam Or Girder..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	434.59 97.81 39.11 86.92 3.52 -139.79 52.15	76.99

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0222 LF W36 x 182 A992/A36 Structural Beam Or Girder.....	412.19	76.43
For Hot Dip Galvanizing, Add	91.76	
For High Strength Low Alloy A572-50 Steel, Add	37.10	
For High Strength Low Alloy A588 Steel, Add	82.44	
For Each Additional Top Copes >2, Add	3.31	
For Structural Tees, WT, MT Or ST, Deduct	-132.04	
For Skewed Or Sloped Connections, Add	49.46	
05 12 23 00-0223 LF W36 x 170 A992/A36 Structural Beam Or Girder.....	389.45	75.55
For Hot Dip Galvanizing, Add	85.71	
For High Strength Low Alloy A572-50 Steel, Add	35.05	
For High Strength Low Alloy A588 Steel, Add	77.89	
For Each Additional Top Copes >2, Add	3.09	
For Structural Tees, WT, MT Or ST, Deduct	-124.22	
For Skewed Or Sloped Connections, Add	46.73	
05 12 23 00-0224 LF W36 x 160 A992/A36 Structural Beam Or Girder.....	382.41	86.01
For Hot Dip Galvanizing, Add	80.67	
For High Strength Low Alloy A572-50 Steel, Add	34.42	
For High Strength Low Alloy A588 Steel, Add	76.48	
For Each Additional Top Copes >2, Add	2.91	
For Structural Tees, WT, MT Or ST, Deduct	-120.09	
For Skewed Or Sloped Connections, Add	45.89	
05 12 23 00-0225 LF W36 x 150 A992/A36 Structural Beam Or Girder.....	366.56	85.39
For Hot Dip Galvanizing, Add	76.44	
For High Strength Low Alloy A572-50 Steel, Add	32.99	
For High Strength Low Alloy A588 Steel, Add	73.31	
For Each Additional Top Copes >2, Add	2.75	
For Structural Tees, WT, MT Or ST, Deduct	-114.63	
For Skewed Or Sloped Connections, Add	43.99	
05 12 23 00-0226 LF W36 x 135 A992/A36 Structural Beam Or Girder.....	344.39	84.65
For Hot Dip Galvanizing, Add	70.53	
For High Strength Low Alloy A572-50 Steel, Add	31.00	
For High Strength Low Alloy A588 Steel, Add	68.88	
For Each Additional Top Copes >2, Add	2.54	
For Structural Tees, WT, MT Or ST, Deduct	-107.00	
For Skewed Or Sloped Connections, Add	41.33	
05 12 23 00-0227 LF W33 x 241 A992/A36 Structural Beam Or Girder.....	508.03	81.87
For Hot Dip Galvanizing, Add	116.74	
For High Strength Low Alloy A572-50 Steel, Add	45.72	
For High Strength Low Alloy A588 Steel, Add	101.61	
For Each Additional Top Copes >2, Add	4.21	
For Structural Tees, WT, MT Or ST, Deduct	-164.71	
For Skewed Or Sloped Connections, Add	60.96	
05 12 23 00-0228 LF W33 x 221 A992/A36 Structural Beam Or Girder.....	470.98	79.86
For Hot Dip Galvanizing, Add	107.06	
For High Strength Low Alloy A572-50 Steel, Add	42.39	
For High Strength Low Alloy A588 Steel, Add	94.20	
For Each Additional Top Copes >2, Add	3.86	
For Structural Tees, WT, MT Or ST, Deduct	-152.06	
For Skewed Or Sloped Connections, Add	56.52	
05 12 23 00-0229 LF W33 x 201 A992/A36 Structural Beam Or Girder.....	445.07	88.24
For Hot Dip Galvanizing, Add	97.37	
For High Strength Low Alloy A572-50 Steel, Add	40.06	
For High Strength Low Alloy A588 Steel, Add	89.01	
For Each Additional Top Copes >2, Add	3.51	
For Structural Tees, WT, MT Or ST, Deduct	-141.64	
For Skewed Or Sloped Connections, Add	53.41	
05 12 23 00-0230 LF W33 x 170 A992/A36 Structural Beam Or Girder.....	399.44	86.63
For Hot Dip Galvanizing, Add	85.22	
For High Strength Low Alloy A572-50 Steel, Add	35.95	
For High Strength Low Alloy A588 Steel, Add	79.89	
For Each Additional Top Copes >2, Add	3.07	
For Structural Tees, WT, MT Or ST, Deduct	-125.95	
For Skewed Or Sloped Connections, Add	47.93	
05 12 23 00-0231 LF W33 x 152 A992/A36 Structural Beam Or Girder.....	364.23	75.31
For Hot Dip Galvanizing, Add	78.78	
For High Strength Low Alloy A572-50 Steel, Add	32.78	
For High Strength Low Alloy A588 Steel, Add	72.85	
For Each Additional Top Copes >2, Add	2.84	
For Structural Tees, WT, MT Or ST, Deduct	-115.43	
For Skewed Or Sloped Connections, Add	43.71	
05 12 23 00-0232 LF W33 x 141 A992/A36 Structural Beam Or Girder.....	353.94	84.89
For Hot Dip Galvanizing, Add	73.08	
For High Strength Low Alloy A572-50 Steel, Add	31.85	
For High Strength Low Alloy A588 Steel, Add	70.79	
For Each Additional Top Copes >2, Add	2.63	
For Structural Tees, WT, MT Or ST, Deduct	-110.29	
For Skewed Or Sloped Connections, Add	42.47	
05 12 23 00-0233 LF W33 x 130 A992/A36 Structural Beam Or Girder.....	336.02	84.28
For Hot Dip Galvanizing, Add	68.31	
For High Strength Low Alloy A572-50 Steel, Add	30.24	
For High Strength Low Alloy A588 Steel, Add	67.20	
For Each Additional Top Copes >2, Add	2.46	
For Structural Tees, WT, MT Or ST, Deduct	-104.13	
For Skewed Or Sloped Connections, Add	40.32	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0234 LF W33 x 118 A992/A36 Structural Beam Or Girder.....	315.14	83.53
For Hot Dip Galvanizing, Add	62.73	
For High Strength Low Alloy A572-50 Steel, Add	28.36	
For High Strength Low Alloy A588 Steel, Add	63.03	
For Each Additional Top Copes >2, Add	2.26	
For Structural Tees, WT, MT Or ST, Deduct	-96.93	
For Skewed Or Sloped Connections, Add	37.82	
05 12 23 00-0235 LF W30 x 211 A992/A36 Structural Beam Or Girder.....	451.49	79.71
For Hot Dip Galvanizing, Add	101.69	
For High Strength Low Alloy A572-50 Steel, Add	40.63	
For High Strength Low Alloy A588 Steel, Add	90.30	
For Each Additional Top Copes >2, Add	3.66	
For Structural Tees, WT, MT Or ST, Deduct	-145.27	
For Skewed Or Sloped Connections, Add	54.18	
05 12 23 00-0236 LF W30 x 191 A992/A36 Structural Beam Or Girder.....	425.30	87.63
For Hot Dip Galvanizing, Add	92.06	
For High Strength Low Alloy A572-50 Steel, Add	38.28	
For High Strength Low Alloy A588 Steel, Add	85.06	
For Each Additional Top Copes >2, Add	3.32	
For Structural Tees, WT, MT Or ST, Deduct	-134.82	
For Skewed Or Sloped Connections, Add	51.04	
05 12 23 00-0237 LF W30 x 173 A992/A36 Structural Beam Or Girder.....	390.81	76.07
For Hot Dip Galvanizing, Add	85.93	
For High Strength Low Alloy A572-50 Steel, Add	35.17	
For High Strength Low Alloy A588 Steel, Add	78.16	
For Each Additional Top Copes >2, Add	3.10	
For Structural Tees, WT, MT Or ST, Deduct	-124.61	
For Skewed Or Sloped Connections, Add	46.90	
05 12 23 00-0238 LF W30 x 154 A992/A36 Structural Beam Or Girder.....	366.87	85.52
For Hot Dip Galvanizing, Add	76.50	
For High Strength Low Alloy A572-50 Steel, Add	33.02	
For High Strength Low Alloy A588 Steel, Add	73.37	
For Each Additional Top Copes >2, Add	2.76	
For Structural Tees, WT, MT Or ST, Deduct	-114.72	
For Skewed Or Sloped Connections, Add	44.02	
05 12 23 00-0239 LF W30 x 132 A992/A36 Structural Beam Or Girder.....	328.17	73.40
For Hot Dip Galvanizing, Add	69.34	
For High Strength Low Alloy A572-50 Steel, Add	29.54	
For High Strength Low Alloy A588 Steel, Add	65.63	
For Each Additional Top Copes >2, Add	2.50	
For Structural Tees, WT, MT Or ST, Deduct	-103.12	
For Skewed Or Sloped Connections, Add	39.38	
05 12 23 00-0240 LF W30 x 124 A992/A36 Structural Beam Or Girder.....	312.98	73.35
For Hot Dip Galvanizing, Add	65.14	
For High Strength Low Alloy A572-50 Steel, Add	28.17	
For High Strength Low Alloy A588 Steel, Add	62.60	
For Each Additional Top Copes >2, Add	2.35	
For Structural Tees, WT, MT Or ST, Deduct	-97.81	
For Skewed Or Sloped Connections, Add	37.56	
05 12 23 00-0241 LF W30 x 116 A992/A36 Structural Beam Or Girder.....	308.57	83.41
For Hot Dip Galvanizing, Add	60.94	
For High Strength Low Alloy A572-50 Steel, Add	27.77	
For High Strength Low Alloy A588 Steel, Add	61.71	
For Each Additional Top Copes >2, Add	2.20	
For Structural Tees, WT, MT Or ST, Deduct	-94.65	
For Skewed Or Sloped Connections, Add	37.03	
05 12 23 00-0242 LF W30 x 108 A992/A36 Structural Beam Or Girder.....	285.59	75.11
For Hot Dip Galvanizing, Add	57.03	
For High Strength Low Alloy A572-50 Steel, Add	25.70	
For High Strength Low Alloy A588 Steel, Add	57.12	
For Each Additional Top Copes >2, Add	2.06	
For Structural Tees, WT, MT Or ST, Deduct	-87.95	
For Skewed Or Sloped Connections, Add	34.27	
05 12 23 00-0243 LF W30 x 99 A992/A36 Structural Beam Or Girder.....	272.77	74.74
For Hot Dip Galvanizing, Add	53.62	
For High Strength Low Alloy A572-50 Steel, Add	24.55	
For High Strength Low Alloy A588 Steel, Add	54.55	
For Each Additional Top Copes >2, Add	1.93	
For Structural Tees, WT, MT Or ST, Deduct	-83.54	
For Skewed Or Sloped Connections, Add	32.73	
05 12 23 00-0244 LF W27 x 178 A992/A36 Structural Beam Or Girder.....	434.23	89.07
For Hot Dip Galvanizing, Add	94.13	
For High Strength Low Alloy A572-50 Steel, Add	39.08	
For High Strength Low Alloy A588 Steel, Add	86.85	
For Each Additional Top Copes >2, Add	3.39	
For Structural Tees, WT, MT Or ST, Deduct	-137.73	
For Skewed Or Sloped Connections, Add	52.11	
05 12 23 00-0245 LF W27 x 161 A992/A36 Structural Beam Or Girder.....	398.26	85.71
For Hot Dip Galvanizing, Add	85.15	
For High Strength Low Alloy A572-50 Steel, Add	35.84	
For High Strength Low Alloy A588 Steel, Add	79.65	
For Each Additional Top Copes >2, Add	3.07	
For Structural Tees, WT, MT Or ST, Deduct	-125.68	
For Skewed Or Sloped Connections, Add	47.79	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0246 LF W27 x 146 A992/A36 Structural Beam Or Girder.....	366.43	82.68
For Hot Dip Galvanizing, Add	77.21	
For High Strength Low Alloy A572-50 Steel, Add	32.98	
For High Strength Low Alloy A588 Steel, Add	73.29	
For Each Additional Top Copes >2, Add	2.78	
For Structural Tees, WT, MT Or ST, Deduct	-115.02	
For Skewed Or Sloped Connections, Add	43.97	
05 12 23 00-0247 LF W27 x 114 A992/A36 Structural Beam Or Girder.....	290.52	68.68
For Hot Dip Galvanizing, Add	60.29	
For High Strength Low Alloy A572-50 Steel, Add	26.15	
For High Strength Low Alloy A588 Steel, Add	58.10	
For Each Additional Top Copes >2, Add	2.17	
For Structural Tees, WT, MT Or ST, Deduct	-90.69	
For Skewed Or Sloped Connections, Add	34.86	
05 12 23 00-0248 LF W27 x 102 A992/A36 Structural Beam Or Girder.....	274.08	74.74
For Hot Dip Galvanizing, Add	53.94	
For High Strength Low Alloy A572-50 Steel, Add	24.67	
For High Strength Low Alloy A588 Steel, Add	54.82	
For Each Additional Top Copes >2, Add	1.94	
For Structural Tees, WT, MT Or ST, Deduct	-83.97	
For Skewed Or Sloped Connections, Add	32.89	
05 12 23 00-0249 LF W27 x 94 A992/A36 Structural Beam Or Girder.....	262.05	74.23
For Hot Dip Galvanizing, Add	50.74	
For High Strength Low Alloy A572-50 Steel, Add	23.58	
For High Strength Low Alloy A588 Steel, Add	52.41	
For Each Additional Top Copes >2, Add	1.83	
For Structural Tees, WT, MT Or ST, Deduct	-79.84	
For Skewed Or Sloped Connections, Add	31.45	
05 12 23 00-0250 LF W27 x 84 A992/A36 Structural Beam Or Girder.....	247.37	73.74
For Hot Dip Galvanizing, Add	46.84	
For High Strength Low Alloy A572-50 Steel, Add	22.26	
For High Strength Low Alloy A588 Steel, Add	49.47	
For Each Additional Top Copes >2, Add	1.69	
For Structural Tees, WT, MT Or ST, Deduct	-74.79	
For Skewed Or Sloped Connections, Add	29.68	
05 12 23 00-0251 LF W24 x 162 A992/A36 Structural Beam Or Girder.....	383.60	82.17
For Hot Dip Galvanizing, Add	82.13	
For High Strength Low Alloy A572-50 Steel, Add	34.52	
For High Strength Low Alloy A588 Steel, Add	76.72	
For Each Additional Top Copes >2, Add	2.96	
For Structural Tees, WT, MT Or ST, Deduct	-121.11	
For Skewed Or Sloped Connections, Add	46.03	
05 12 23 00-0252 LF W24 x 146 A992/A36 Structural Beam Or Girder.....	350.76	78.78
For Hot Dip Galvanizing, Add	74.01	
For High Strength Low Alloy A572-50 Steel, Add	31.57	
For High Strength Low Alloy A588 Steel, Add	70.15	
For Each Additional Top Copes >2, Add	2.67	
For Structural Tees, WT, MT Or ST, Deduct	-110.16	
For Skewed Or Sloped Connections, Add	42.09	
05 12 23 00-0253 LF W24 x 131 A992/A36 Structural Beam Or Girder.....	319.53	75.20
For Hot Dip Galvanizing, Add	66.41	
For High Strength Low Alloy A572-50 Steel, Add	28.76	
For High Strength Low Alloy A588 Steel, Add	63.91	
For Each Additional Top Copes >2, Add	2.39	
For Structural Tees, WT, MT Or ST, Deduct	-99.80	
For Skewed Or Sloped Connections, Add	38.34	
05 12 23 00-0254 LF W24 x 117 A992/A36 Structural Beam Or Girder.....	289.94	71.45
For Hot Dip Galvanizing, Add	59.31	
For High Strength Low Alloy A572-50 Steel, Add	26.09	
For High Strength Low Alloy A588 Steel, Add	57.99	
For Each Additional Top Copes >2, Add	2.14	
For Structural Tees, WT, MT Or ST, Deduct	-90.05	
For Skewed Or Sloped Connections, Add	34.79	
05 12 23 00-0255 LF W24 x 104 A992/A36 Structural Beam Or Girder.....	262.05	67.56
For Hot Dip Galvanizing, Add	52.72	
For High Strength Low Alloy A572-50 Steel, Add	23.58	
For High Strength Low Alloy A588 Steel, Add	52.41	
For Each Additional Top Copes >2, Add	1.90	
For Structural Tees, WT, MT Or ST, Deduct	-80.91	
For Skewed Or Sloped Connections, Add	31.45	
05 12 23 00-0256 LF W24 x 94 A992/A36 Structural Beam Or Girder.....	250.91	74.23
For Hot Dip Galvanizing, Add	47.65	
For High Strength Low Alloy A572-50 Steel, Add	22.58	
For High Strength Low Alloy A588 Steel, Add	50.18	
For Each Additional Top Copes >2, Add	1.72	
For Structural Tees, WT, MT Or ST, Deduct	-75.94	
For Skewed Or Sloped Connections, Add	30.11	
05 12 23 00-0257 LF W24 x 84 A992/A36 Structural Beam Or Girder.....	228.91	65.81
For Hot Dip Galvanizing, Add	44.02	
For High Strength Low Alloy A572-50 Steel, Add	20.60	
For High Strength Low Alloy A588 Steel, Add	45.78	
For Each Additional Top Copes >2, Add	1.59	
For Structural Tees, WT, MT Or ST, Deduct	-69.58	
For Skewed Or Sloped Connections, Add	27.47	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0258 LF W24 x 76 A992/A36 Structural Beam Or Girder	217.67	65.32
For Hot Dip Galvanizing, Add	41.04	
For High Strength Low Alloy A572-50 Steel, Add	19.59	
For High Strength Low Alloy A588 Steel, Add	43.53	
For Each Additional Top Copes >2, Add	1.48	
For Structural Tees, WT, MT Or ST, Deduct	-65.72	
For Skewed Or Sloped Connections, Add	26.12	
05 12 23 00-0259 LF W24 x 68 A992/A36 Structural Beam Or Girder	203.49	64.94
For Hot Dip Galvanizing, Add	37.24	
For High Strength Low Alloy A572-50 Steel, Add	18.31	
For High Strength Low Alloy A588 Steel, Add	40.70	
For Each Additional Top Copes >2, Add	1.34	
For Structural Tees, WT, MT Or ST, Deduct	-60.83	
For Skewed Or Sloped Connections, Add	24.42	
05 12 23 00-0260 LF W24 x 62 A992/A36 Structural Beam Or Girder	196.09	64.57
For Hot Dip Galvanizing, Add	35.29	
For High Strength Low Alloy A572-50 Steel, Add	17.65	
For High Strength Low Alloy A588 Steel, Add	39.22	
For Each Additional Top Copes >2, Add	1.27	
For Structural Tees, WT, MT Or ST, Deduct	-58.30	
For Skewed Or Sloped Connections, Add	23.53	
05 12 23 00-0261 LF W24 x 55 A992/A36 Structural Beam Or Girder	185.94	64.32
For Hot Dip Galvanizing, Add	32.58	
For High Strength Low Alloy A572-50 Steel, Add	16.73	
For High Strength Low Alloy A588 Steel, Add	37.19	
For Each Additional Top Copes >2, Add	1.17	
For Structural Tees, WT, MT Or ST, Deduct	-54.80	
For Skewed Or Sloped Connections, Add	22.31	
05 12 23 00-0262 LF W21 x 147 A992/A36 Structural Beam Or Girder.....	335.80	67.58
For Hot Dip Galvanizing, Add	73.18	
For High Strength Low Alloy A572-50 Steel, Add	30.22	
For High Strength Low Alloy A588 Steel, Add	67.16	
For Each Additional Top Copes >2, Add	2.64	
For Structural Tees, WT, MT Or ST, Deduct	-106.72	
For Skewed Or Sloped Connections, Add	40.30	
05 12 23 00-0263 LF W21 x 132 A992/A36 Structural Beam Or Girder.....	305.68	64.56
For Hot Dip Galvanizing, Add	65.71	
For High Strength Low Alloy A572-50 Steel, Add	27.51	
For High Strength Low Alloy A588 Steel, Add	61.14	
For Each Additional Top Copes >2, Add	2.37	
For Structural Tees, WT, MT Or ST, Deduct	-96.66	
For Skewed Or Sloped Connections, Add	36.68	
05 12 23 00-0264 LF W21 x 122 A992/A36 Structural Beam Or Girder.....	286.57	63.48
For Hot Dip Galvanizing, Add	60.74	
For High Strength Low Alloy A572-50 Steel, Add	25.79	
For High Strength Low Alloy A588 Steel, Add	57.31	
For Each Additional Top Copes >2, Add	2.19	
For Structural Tees, WT, MT Or ST, Deduct	-90.14	
For Skewed Or Sloped Connections, Add	34.39	
05 12 23 00-0265 LF W21 x 111 A992/A36 Structural Beam Or Girder.....	264.67	61.44
For Hot Dip Galvanizing, Add	55.26	
For High Strength Low Alloy A572-50 Steel, Add	23.82	
For High Strength Low Alloy A588 Steel, Add	52.93	
For Each Additional Top Copes >2, Add	1.99	
For Structural Tees, WT, MT Or ST, Deduct	-82.80	
For Skewed Or Sloped Connections, Add	31.76	
05 12 23 00-0266 LF W21 x 101 A992/A36 Structural Beam Or Girder.....	244.62	59.47
For Hot Dip Galvanizing, Add	50.28	
For High Strength Low Alloy A572-50 Steel, Add	22.02	
For High Strength Low Alloy A588 Steel, Add	48.92	
For Each Additional Top Copes >2, Add	1.81	
For Structural Tees, WT, MT Or ST, Deduct	-76.10	
For Skewed Or Sloped Connections, Add	29.35	
05 12 23 00-0267 LF W21 x 93 A992/A36 Structural Beam Or Girder	237.86	66.55
For Hot Dip Galvanizing, Add	46.30	
For High Strength Low Alloy A572-50 Steel, Add	21.41	
For High Strength Low Alloy A588 Steel, Add	47.57	
For Each Additional Top Copes >2, Add	1.67	
For Structural Tees, WT, MT Or ST, Deduct	-72.60	
For Skewed Or Sloped Connections, Add	28.54	
05 12 23 00-0268 LF W21 x 83 A992/A36 Structural Beam Or Girder	224.61	65.81
For Hot Dip Galvanizing, Add	42.83	
For High Strength Low Alloy A572-50 Steel, Add	20.21	
For High Strength Low Alloy A588 Steel, Add	44.92	
For Each Additional Top Copes >2, Add	1.54	
For Structural Tees, WT, MT Or ST, Deduct	-68.07	
For Skewed Or Sloped Connections, Add	26.95	
05 12 23 00-0269 LF W21 x 73 A992/A36 Structural Beam Or Girder	208.36	65.32
For Hot Dip Galvanizing, Add	38.49	
For High Strength Low Alloy A572-50 Steel, Add	18.75	
For High Strength Low Alloy A588 Steel, Add	41.67	
For Each Additional Top Copes >2, Add	1.39	
For Structural Tees, WT, MT Or ST, Deduct	-62.48	
For Skewed Or Sloped Connections, Add	25.00	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0270 LF W21 x 68 A992/A36 Structural Beam Or Girder.....	200.17	64.94
For Hot Dip Galvanizing, Add	36.32	
For High Strength Low Alloy A572-50 Steel, Add	18.02	
For High Strength Low Alloy A588 Steel, Add	40.03	
For Each Additional Top Copes >2, Add	1.31	
For Structural Tees, WT, MT Or ST, Deduct	-59.67	
For Skewed Or Sloped Connections, Add	24.02	
05 12 23 00-0271 LF W21 x 62 A992/A36 Structural Beam Or Girder.....	192.77	64.57
For Hot Dip Galvanizing, Add	34.37	
For High Strength Low Alloy A572-50 Steel, Add	17.35	
For High Strength Low Alloy A588 Steel, Add	38.55	
For Each Additional Top Copes >2, Add	1.24	
For Structural Tees, WT, MT Or ST, Deduct	-57.13	
For Skewed Or Sloped Connections, Add	23.13	
05 12 23 00-0272 LF W21 x 57 A992/A36 Structural Beam Or Girder.....	186.08	64.45
For Hot Dip Galvanizing, Add	32.58	
For High Strength Low Alloy A572-50 Steel, Add	16.75	
For High Strength Low Alloy A588 Steel, Add	37.22	
For Each Additional Top Copes >2, Add	1.17	
For Structural Tees, WT, MT Or ST, Deduct	-54.83	
For Skewed Or Sloped Connections, Add	22.33	
05 12 23 00-0273 LF W21 x 50 A992/A36 Structural Beam Or Girder.....	165.03	55.89
For Hot Dip Galvanizing, Add	29.22	
For High Strength Low Alloy A572-50 Steel, Add	14.85	
For High Strength Low Alloy A588 Steel, Add	33.01	
For Each Additional Top Copes >2, Add	1.05	
For Structural Tees, WT, MT Or ST, Deduct	-48.80	
For Skewed Or Sloped Connections, Add	19.80	
05 12 23 00-0274 LF W21 x 44 A992/A36 Structural Beam Or Girder.....	157.24	55.64
For Hot Dip Galvanizing, Add	27.16	
For High Strength Low Alloy A572-50 Steel, Add	14.15	
For High Strength Low Alloy A588 Steel, Add	31.45	
For Each Additional Top Copes >2, Add	0.98	
For Structural Tees, WT, MT Or ST, Deduct	-46.13	
For Skewed Or Sloped Connections, Add	18.87	
05 12 23 00-0275 LF W18 x 119 A992/A36 Structural Beam Or Girder.....	278.63	63.26
For Hot Dip Galvanizing, Add	58.59	
For High Strength Low Alloy A572-50 Steel, Add	25.08	
For High Strength Low Alloy A588 Steel, Add	55.73	
For Each Additional Top Copes >2, Add	2.11	
For Structural Tees, WT, MT Or ST, Deduct	-87.40	
For Skewed Or Sloped Connections, Add	33.44	
05 12 23 00-0276 LF W18 x 106 A992/A36 Structural Beam Or Girder.....	252.02	59.95
For Hot Dip Galvanizing, Add	52.19	
For High Strength Low Alloy A572-50 Steel, Add	22.68	
For High Strength Low Alloy A588 Steel, Add	50.40	
For Each Additional Top Copes >2, Add	1.88	
For Structural Tees, WT, MT Or ST, Deduct	-78.62	
For Skewed Or Sloped Connections, Add	30.24	
05 12 23 00-0277 LF W18 x 97 A992/A36 Structural Beam Or Girder.....	243.26	66.55
For Hot Dip Galvanizing, Add	47.76	
For High Strength Low Alloy A572-50 Steel, Add	21.89	
For High Strength Low Alloy A588 Steel, Add	48.65	
For Each Additional Top Copes >2, Add	1.72	
For Structural Tees, WT, MT Or ST, Deduct	-74.47	
For Skewed Or Sloped Connections, Add	29.19	
05 12 23 00-0278 LF W18 x 86 A992/A36 Structural Beam Or Girder.....	228.05	65.94
For Hot Dip Galvanizing, Add	43.75	
For High Strength Low Alloy A572-50 Steel, Add	20.52	
For High Strength Low Alloy A588 Steel, Add	45.61	
For Each Additional Top Copes >2, Add	1.58	
For Structural Tees, WT, MT Or ST, Deduct	-69.26	
For Skewed Or Sloped Connections, Add	27.37	
05 12 23 00-0279 LF W18 x 76 A992/A36 Structural Beam Or Girder.....	214.35	65.32
For Hot Dip Galvanizing, Add	40.12	
For High Strength Low Alloy A572-50 Steel, Add	19.29	
For High Strength Low Alloy A588 Steel, Add	42.87	
For Each Additional Top Copes >2, Add	1.45	
For Structural Tees, WT, MT Or ST, Deduct	-64.56	
For Skewed Or Sloped Connections, Add	25.72	
05 12 23 00-0280 LF W18 x 71 A992/A36 Structural Beam Or Girder.....	204.33	65.20
For Hot Dip Galvanizing, Add	37.41	
For High Strength Low Alloy A572-50 Steel, Add	18.39	
For High Strength Low Alloy A588 Steel, Add	40.87	
For Each Additional Top Copes >2, Add	1.35	
For Structural Tees, WT, MT Or ST, Deduct	-61.09	
For Skewed Or Sloped Connections, Add	24.52	
05 12 23 00-0281 LF W18 x 65 A992/A36 Structural Beam Or Girder.....	194.58	64.94
For Hot Dip Galvanizing, Add	34.80	
For High Strength Low Alloy A572-50 Steel, Add	17.51	
For High Strength Low Alloy A588 Steel, Add	38.92	
For Each Additional Top Copes >2, Add	1.25	
For Structural Tees, WT, MT Or ST, Deduct	-57.73	
For Skewed Or Sloped Connections, Add	23.35	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0282 LF W18 x 60 A992/A36 Structural Beam Or Girder	185.80	64.45
For Hot Dip Galvanizing, Add	32.47	
For High Strength Low Alloy A572-50 Steel, Add	16.72	
For High Strength Low Alloy A588 Steel, Add	37.16	
For Each Additional Top Copes >2, Add	1.17	
For Structural Tees, WT, MT Or ST, Deduct	-54.71	
For Skewed Or Sloped Connections, Add	22.30	
05 12 23 00-0283 LF W18 x 55 A992/A36 Structural Beam Or Girder	176.96	64.32
For Hot Dip Galvanizing, Add	30.09	
For High Strength Low Alloy A572-50 Steel, Add	15.93	
For High Strength Low Alloy A588 Steel, Add	35.39	
For Each Additional Top Copes >2, Add	1.08	
For Structural Tees, WT, MT Or ST, Deduct	-51.66	
For Skewed Or Sloped Connections, Add	21.24	
05 12 23 00-0284 LF W18 x 50 A992/A36 Structural Beam Or Girder	159.56	55.89
For Hot Dip Galvanizing, Add	27.70	
For High Strength Low Alloy A572-50 Steel, Add	14.36	
For High Strength Low Alloy A588 Steel, Add	31.91	
For Each Additional Top Copes >2, Add	1.00	
For Structural Tees, WT, MT Or ST, Deduct	-46.89	
For Skewed Or Sloped Connections, Add	19.15	
05 12 23 00-0285 LF W18 x 46 A992/A36 Structural Beam Or Girder	152.68	55.77
For Hot Dip Galvanizing, Add	25.86	
For High Strength Low Alloy A572-50 Steel, Add	13.74	
For High Strength Low Alloy A588 Steel, Add	30.54	
For Each Additional Top Copes >2, Add	0.93	
For Structural Tees, WT, MT Or ST, Deduct	-44.51	
For Skewed Or Sloped Connections, Add	18.32	
05 12 23 00-0286 LF W18 x 40 A992/A36 Structural Beam Or Girder	133.65	47.59
For Hot Dip Galvanizing, Add	22.99	
For High Strength Low Alloy A572-50 Steel, Add	12.03	
For High Strength Low Alloy A588 Steel, Add	26.73	
For Each Additional Top Copes >2, Add	0.83	
For Structural Tees, WT, MT Or ST, Deduct	-39.15	
For Skewed Or Sloped Connections, Add	16.04	
05 12 23 00-0287 LF W18 x 35 A992/A36 Structural Beam Or Girder	125.00	47.47
For Hot Dip Galvanizing, Add	20.65	
For High Strength Low Alloy A572-50 Steel, Add	11.25	
For High Strength Low Alloy A588 Steel, Add	25.00	
For Each Additional Top Copes >2, Add	0.74	
For Structural Tees, WT, MT Or ST, Deduct	-36.16	
For Skewed Or Sloped Connections, Add	15.00	
05 12 23 00-0288 LF W16 x 100 A992/A36 Structural Beam Or Girder.....	231.11	43.26
For Hot Dip Galvanizing, Add	51.34	
For High Strength Low Alloy A572-50 Steel, Add	20.80	
For High Strength Low Alloy A588 Steel, Add	46.22	
For Each Additional Top Copes >2, Add	1.85	
For Structural Tees, WT, MT Or ST, Deduct	-73.97	
For Skewed Or Sloped Connections, Add	27.73	
05 12 23 00-0289 LF W16 x 89 A992/A36 Structural Beam Or Girder	211.61	42.51
For Hot Dip Galvanizing, Add	46.13	
For High Strength Low Alloy A572-50 Steel, Add	19.04	
For High Strength Low Alloy A588 Steel, Add	42.32	
For Each Additional Top Copes >2, Add	1.66	
For Structural Tees, WT, MT Or ST, Deduct	-67.26	
For Skewed Or Sloped Connections, Add	25.39	
05 12 23 00-0290 LF W16 x 77 A992/A36 Structural Beam Or Girder	190.68	42.02
For Hot Dip Galvanizing, Add	40.50	
For High Strength Low Alloy A572-50 Steel, Add	17.16	
For High Strength Low Alloy A588 Steel, Add	38.14	
For Each Additional Top Copes >2, Add	1.46	
For Structural Tees, WT, MT Or ST, Deduct	-60.03	
For Skewed Or Sloped Connections, Add	22.88	
05 12 23 00-0291 LF W16 x 67 A992/A36 Structural Beam Or Girder	172.86	41.40
For Hot Dip Galvanizing, Add	35.73	
For High Strength Low Alloy A572-50 Steel, Add	15.56	
For High Strength Low Alloy A588 Steel, Add	34.57	
For Each Additional Top Copes >2, Add	1.29	
For Structural Tees, WT, MT Or ST, Deduct	-53.88	
For Skewed Or Sloped Connections, Add	20.74	
05 12 23 00-0292 LF W16 x 57 A992/A36 Structural Beam Or Girder	155.25	40.77
For Hot Dip Galvanizing, Add	31.01	
For High Strength Low Alloy A572-50 Steel, Add	13.97	
For High Strength Low Alloy A588 Steel, Add	31.05	
For Each Additional Top Copes >2, Add	1.12	
For Structural Tees, WT, MT Or ST, Deduct	-47.81	
For Skewed Or Sloped Connections, Add	18.63	
05 12 23 00-0293 LF W16 x 50 A992/A36 Structural Beam Or Girder	142.96	40.40
For Hot Dip Galvanizing, Add	27.70	
For High Strength Low Alloy A572-50 Steel, Add	12.87	
For High Strength Low Alloy A588 Steel, Add	28.59	
For Each Additional Top Copes >2, Add	1.00	
For Structural Tees, WT, MT Or ST, Deduct	-43.57	
For Skewed Or Sloped Connections, Add	17.16	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0294 LF W16 x 45 A992/A36 Structural Beam Or Girder.....	134.31	40.16
For Hot Dip Galvanizing, Add	25.37	
For High Strength Low Alloy A572-50 Steel, Add	12.09	
For High Strength Low Alloy A588 Steel, Add	26.86	
For Each Additional Top Copes >2, Add	0.91	
For Structural Tees, WT, MT Or ST, Deduct	-40.58	
For Skewed Or Sloped Connections, Add	16.12	
05 12 23 00-0295 LF W16 x 40 A992/A36 Structural Beam Or Girder.....	125.34	39.79
For Hot Dip Galvanizing, Add	22.99	
For High Strength Low Alloy A572-50 Steel, Add	11.28	
For High Strength Low Alloy A588 Steel, Add	25.07	
For Each Additional Top Copes >2, Add	0.83	
For Structural Tees, WT, MT Or ST, Deduct	-37.49	
For Skewed Or Sloped Connections, Add	15.04	
05 12 23 00-0296 LF W16 x 36 A992/A36 Structural Beam Or Girder.....	118.33	39.54
For Hot Dip Galvanizing, Add	21.14	
For High Strength Low Alloy A572-50 Steel, Add	10.65	
For High Strength Low Alloy A588 Steel, Add	23.67	
For Each Additional Top Copes >2, Add	0.76	
For Structural Tees, WT, MT Or ST, Deduct	-35.09	
For Skewed Or Sloped Connections, Add	14.20	
05 12 23 00-0297 LF W16 x 31 A992/A36 Structural Beam Or Girder.....	101.18	31.48
For Hot Dip Galvanizing, Add	18.76	
For High Strength Low Alloy A572-50 Steel, Add	9.11	
For High Strength Low Alloy A588 Steel, Add	20.24	
For Each Additional Top Copes >2, Add	0.68	
For Structural Tees, WT, MT Or ST, Deduct	-30.38	
For Skewed Or Sloped Connections, Add	12.14	
05 12 23 00-0298 LF W16 x 26 A992/A36 Structural Beam Or Girder.....	89.89	31.11
For Hot Dip Galvanizing, Add	15.73	
For High Strength Low Alloy A572-50 Steel, Add	8.09	
For High Strength Low Alloy A588 Steel, Add	17.98	
For Each Additional Top Copes >2, Add	0.57	
For Structural Tees, WT, MT Or ST, Deduct	-26.48	
For Skewed Or Sloped Connections, Add	10.79	
05 12 23 00-0299 LF W14 x 99 A992/A36 Structural Beam Or Girder.....	221.05	35.44
For Hot Dip Galvanizing, Add	50.85	
For High Strength Low Alloy A572-50 Steel, Add	19.89	
For High Strength Low Alloy A588 Steel, Add	44.21	
For Each Additional Top Copes >2, Add	1.83	
For Structural Tees, WT, MT Or ST, Deduct	-71.70	
For Skewed Or Sloped Connections, Add	26.53	
05 12 23 00-0300 LF W14 x 90 A992/A36 Structural Beam Or Girder.....	205.19	34.83
For Hot Dip Galvanizing, Add	46.62	
For High Strength Low Alloy A572-50 Steel, Add	18.47	
For High Strength Low Alloy A588 Steel, Add	41.04	
For Each Additional Top Copes >2, Add	1.68	
For Structural Tees, WT, MT Or ST, Deduct	-66.24	
For Skewed Or Sloped Connections, Add	24.62	
05 12 23 00-0301 LF W14 x 82 A992/A36 Structural Beam Or Girder.....	191.03	34.46
For Hot Dip Galvanizing, Add	42.83	
For High Strength Low Alloy A572-50 Steel, Add	17.19	
For High Strength Low Alloy A588 Steel, Add	38.21	
For Each Additional Top Copes >2, Add	1.54	
For Structural Tees, WT, MT Or ST, Deduct	-61.36	
For Skewed Or Sloped Connections, Add	22.92	
05 12 23 00-0302 LF W14 x 74 A992/A36 Structural Beam Or Girder.....	176.87	33.95
For Hot Dip Galvanizing, Add	39.03	
For High Strength Low Alloy A572-50 Steel, Add	15.92	
For High Strength Low Alloy A588 Steel, Add	35.37	
For Each Additional Top Copes >2, Add	1.41	
For Structural Tees, WT, MT Or ST, Deduct	-56.47	
For Skewed Or Sloped Connections, Add	21.22	
05 12 23 00-0303 LF W14 x 68 A992/A36 Structural Beam Or Girder.....	166.31	33.58
For Hot Dip Galvanizing, Add	36.21	
For High Strength Low Alloy A572-50 Steel, Add	14.97	
For High Strength Low Alloy A588 Steel, Add	33.26	
For Each Additional Top Copes >2, Add	1.31	
For Structural Tees, WT, MT Or ST, Deduct	-52.84	
For Skewed Or Sloped Connections, Add	19.96	
05 12 23 00-0304 LF W14 x 61 A992/A36 Structural Beam Or Girder.....	154.03	33.21
For Hot Dip Galvanizing, Add	32.91	
For High Strength Low Alloy A572-50 Steel, Add	13.86	
For High Strength Low Alloy A588 Steel, Add	30.81	
For Each Additional Top Copes >2, Add	1.19	
For Structural Tees, WT, MT Or ST, Deduct	-48.59	
For Skewed Or Sloped Connections, Add	18.48	
05 12 23 00-0305 LF W14 x 53 A992/A36 Structural Beam Or Girder.....	140.06	32.72
For Hot Dip Galvanizing, Add	29.17	
For High Strength Low Alloy A572-50 Steel, Add	12.61	
For High Strength Low Alloy A588 Steel, Add	28.01	
For Each Additional Top Copes >2, Add	1.05	
For Structural Tees, WT, MT Or ST, Deduct	-43.78	
For Skewed Or Sloped Connections, Add	16.81	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0306 LF W14 x 48 A992/A36 Structural Beam Or Girder	131.09	32.35
For Hot Dip Galvanizing, Add	26.78	
For High Strength Low Alloy A572-50 Steel, Add	11.80	
For High Strength Low Alloy A588 Steel, Add	26.22	
For Each Additional Top Copes >2, Add	0.97	
For Structural Tees, WT, MT Or ST, Deduct	-40.69	
For Skewed Or Sloped Connections, Add	15.73	
05 12 23 00-0307 LF W14 x 43 A992/A36 Structural Beam Or Girder	122.24	32.23
For Hot Dip Galvanizing, Add	24.40	
For High Strength Low Alloy A572-50 Steel, Add	11.00	
For High Strength Low Alloy A588 Steel, Add	24.45	
For Each Additional Top Copes >2, Add	0.88	
For Structural Tees, WT, MT Or ST, Deduct	-37.63	
For Skewed Or Sloped Connections, Add	14.67	
05 12 23 00-0308 LF W14 x 38 A992/A36 Structural Beam Or Girder	113.46	31.97
For Hot Dip Galvanizing, Add	22.06	
For High Strength Low Alloy A572-50 Steel, Add	10.21	
For High Strength Low Alloy A588 Steel, Add	22.69	
For Each Additional Top Copes >2, Add	0.80	
For Structural Tees, WT, MT Or ST, Deduct	-34.62	
For Skewed Or Sloped Connections, Add	13.62	
05 12 23 00-0309 LF W14 x 34 A992/A36 Structural Beam Or Girder	106.39	31.60
For Hot Dip Galvanizing, Add	20.17	
For High Strength Low Alloy A572-50 Steel, Add	9.58	
For High Strength Low Alloy A588 Steel, Add	21.28	
For Each Additional Top Copes >2, Add	0.73	
For Structural Tees, WT, MT Or ST, Deduct	-32.18	
For Skewed Or Sloped Connections, Add	12.77	
05 12 23 00-0310 LF W14 x 30 A992/A36 Structural Beam Or Girder	99.30	31.48
For Hot Dip Galvanizing, Add	18.27	
For High Strength Low Alloy A572-50 Steel, Add	8.94	
For High Strength Low Alloy A588 Steel, Add	19.86	
For Each Additional Top Copes >2, Add	0.66	
For Structural Tees, WT, MT Or ST, Deduct	-29.74	
For Skewed Or Sloped Connections, Add	11.92	
05 12 23 00-0311 LF W14 x 26 A992/A36 Structural Beam Or Girder	92.21	31.11
For Hot Dip Galvanizing, Add	16.37	
For High Strength Low Alloy A572-50 Steel, Add	8.30	
For High Strength Low Alloy A588 Steel, Add	18.44	
For Each Additional Top Copes >2, Add	0.59	
For Structural Tees, WT, MT Or ST, Deduct	-27.29	
For Skewed Or Sloped Connections, Add	11.07	
05 12 23 00-0312 LF W14 x 22 A992/A36 Structural Beam Or Girder	85.33	30.99
For Hot Dip Galvanizing, Add	14.53	
For High Strength Low Alloy A572-50 Steel, Add	7.68	
For High Strength Low Alloy A588 Steel, Add	17.07	
For Each Additional Top Copes >2, Add	0.52	
For Structural Tees, WT, MT Or ST, Deduct	-24.92	
For Skewed Or Sloped Connections, Add	10.24	
05 12 23 00-0313 LF W12 x 87 A992/A36 Structural Beam Or Girder	199.99	34.70
For Hot Dip Galvanizing, Add	45.21	
For High Strength Low Alloy A572-50 Steel, Add	18.00	
For High Strength Low Alloy A588 Steel, Add	40.00	
For Each Additional Top Copes >2, Add	1.63	
For Structural Tees, WT, MT Or ST, Deduct	-64.44	
For Skewed Or Sloped Connections, Add	24.00	
05 12 23 00-0314 LF W12 x 79 A992/A36 Structural Beam Or Girder	185.82	34.21
For Hot Dip Galvanizing, Add	41.42	
For High Strength Low Alloy A572-50 Steel, Add	16.72	
For High Strength Low Alloy A588 Steel, Add	37.16	
For Each Additional Top Copes >2, Add	1.49	
For Structural Tees, WT, MT Or ST, Deduct	-59.55	
For Skewed Or Sloped Connections, Add	22.30	
05 12 23 00-0315 LF W12 x 72 A992/A36 Structural Beam Or Girder	173.41	33.83
For Hot Dip Galvanizing, Add	38.11	
For High Strength Low Alloy A572-50 Steel, Add	15.61	
For High Strength Low Alloy A588 Steel, Add	34.68	
For Each Additional Top Copes >2, Add	1.37	
For Structural Tees, WT, MT Or ST, Deduct	-55.28	
For Skewed Or Sloped Connections, Add	20.81	
05 12 23 00-0316 LF W12 x 65 A992/A36 Structural Beam Or Girder	161.11	33.46
For Hot Dip Galvanizing, Add	34.80	
For High Strength Low Alloy A572-50 Steel, Add	14.50	
For High Strength Low Alloy A588 Steel, Add	32.22	
For Each Additional Top Copes >2, Add	1.25	
For Structural Tees, WT, MT Or ST, Deduct	-51.04	
For Skewed Or Sloped Connections, Add	19.33	
05 12 23 00-0317 LF W12 x 58 A992/A36 Structural Beam Or Girder	148.71	32.97
For Hot Dip Galvanizing, Add	31.50	
For High Strength Low Alloy A572-50 Steel, Add	13.38	
For High Strength Low Alloy A588 Steel, Add	29.74	
For Each Additional Top Copes >2, Add	1.14	
For Structural Tees, WT, MT Or ST, Deduct	-46.77	
For Skewed Or Sloped Connections, Add	17.85	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0318	LF		W12 x 53 A992/A36 Structural Beam Or Girder.....	140.06	32.72
			<i>For Hot Dip Galvanizing, Add</i>	29.17	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.61	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	28.01	
			<i>For Each Additional Top Copes >2, Add</i>	1.05	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-43.78	
			<i>For Skewed Or Sloped Connections, Add</i>	16.81	
05 12 23 00-0319	LF		W12 x 50 A992/A36 Structural Beam Or Girder.....	134.53	32.60
			<i>For Hot Dip Galvanizing, Add</i>	27.70	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.11	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	26.91	
			<i>For Each Additional Top Copes >2, Add</i>	1.00	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-41.88	
			<i>For Skewed Or Sloped Connections, Add</i>	16.14	
05 12 23 00-0320	LF		W12 x 45 A992/A36 Structural Beam Or Girder.....	125.89	32.35
			<i>For Hot Dip Galvanizing, Add</i>	25.37	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.33	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.18	
			<i>For Each Additional Top Copes >2, Add</i>	0.91	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-38.89	
			<i>For Skewed Or Sloped Connections, Add</i>	15.11	
05 12 23 00-0321	LF		W12 x 40 A992/A36 Structural Beam Or Girder.....	108.49	24.04
			<i>For Hot Dip Galvanizing, Add</i>	22.99	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.76	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	21.70	
			<i>For Each Additional Top Copes >2, Add</i>	0.83	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.12	
			<i>For Skewed Or Sloped Connections, Add</i>	13.02	
05 12 23 00-0322	LF		W12 x 35 A992/A36 Structural Beam Or Girder.....	99.84	23.92
			<i>For Hot Dip Galvanizing, Add</i>	20.65	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.99	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.97	
			<i>For Each Additional Top Copes >2, Add</i>	0.74	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-31.13	
			<i>For Skewed Or Sloped Connections, Add</i>	11.98	
05 12 23 00-0323	LF		W12 x 30 A992/A36 Structural Beam Or Girder.....	90.88	23.55
			<i>For Hot Dip Galvanizing, Add</i>	18.27	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.18	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	18.18	
			<i>For Each Additional Top Copes >2, Add</i>	0.66	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-28.05	
			<i>For Skewed Or Sloped Connections, Add</i>	10.91	
05 12 23 00-0324	LF		W12 x 26 A992/A36 Structural Beam Or Girder.....	83.79	23.30
			<i>For Hot Dip Galvanizing, Add</i>	16.37	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.54	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	16.76	
			<i>For Each Additional Top Copes >2, Add</i>	0.59	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-25.61	
			<i>For Skewed Or Sloped Connections, Add</i>	10.05	
05 12 23 00-0325	LF		W12 x 22 A992/A36 Structural Beam Or Girder.....	76.90	23.06
			<i>For Hot Dip Galvanizing, Add</i>	14.53	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.92	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.38	
			<i>For Each Additional Top Copes >2, Add</i>	0.52	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.23	
			<i>For Skewed Or Sloped Connections, Add</i>	9.23	
05 12 23 00-0326	LF		W12 x 19 A992/A36 Structural Beam Or Girder.....	71.49	22.92
			<i>For Hot Dip Galvanizing, Add</i>	13.06	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.43	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	14.30	
			<i>For Each Additional Top Copes >2, Add</i>	0.47	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.36	
			<i>For Skewed Or Sloped Connections, Add</i>	8.58	
05 12 23 00-0327	LF		W12 x 16 A992/A36 Structural Beam Or Girder.....	66.17	22.55
			<i>For Hot Dip Galvanizing, Add</i>	11.66	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.96	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	13.23	
			<i>For Each Additional Top Copes >2, Add</i>	0.42	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-19.53	
			<i>For Skewed Or Sloped Connections, Add</i>	7.94	
05 12 23 00-0328	LF		W12 x 14 A992/A36 Structural Beam Or Girder.....	62.72	22.55
			<i>For Hot Dip Galvanizing, Add</i>	10.73	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.64	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.54	
			<i>For Each Additional Top Copes >2, Add</i>	0.39	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.35	
			<i>For Skewed Or Sloped Connections, Add</i>	7.53	
05 12 23 00-0329	LF		W10 x 68 A992/A36 Structural Beam Or Girder.....	158.40	25.90
			<i>For Hot Dip Galvanizing, Add</i>	36.32	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.26	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	31.68	
			<i>For Each Additional Top Copes >2, Add</i>	1.31	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-51.31	
			<i>For Skewed Or Sloped Connections, Add</i>	19.01	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0330 LF W10 x 60 A992/A36 Structural Beam Or Girder	144.43	25.41
For Hot Dip Galvanizing, Add	32.58	
For High Strength Low Alloy A572-50 Steel, Add	13.00	
For High Strength Low Alloy A588 Steel, Add	28.89	
For Each Additional Top Copes >2, Add	1.17	
For Structural Tees, WT, MT Or ST, Deduct	-46.50	
For Skewed Or Sloped Connections, Add	17.33	
05 12 23 00-0331 LF W10 x 54 A992/A36 Structural Beam Or Girder	133.71	24.92
For Hot Dip Galvanizing, Add	29.71	
For High Strength Low Alloy A572-50 Steel, Add	12.03	
For High Strength Low Alloy A588 Steel, Add	26.74	
For Each Additional Top Copes >2, Add	1.07	
For Structural Tees, WT, MT Or ST, Deduct	-42.80	
For Skewed Or Sloped Connections, Add	16.05	
05 12 23 00-0332 LF W10 x 49 A992/A36 Structural Beam Or Girder	124.93	24.66
For Hot Dip Galvanizing, Add	27.38	
For High Strength Low Alloy A572-50 Steel, Add	11.24	
For High Strength Low Alloy A588 Steel, Add	24.99	
For Each Additional Top Copes >2, Add	0.99	
For Structural Tees, WT, MT Or ST, Deduct	-39.79	
For Skewed Or Sloped Connections, Add	14.99	
05 12 23 00-0333 LF W10 x 45 A992/A36 Structural Beam Or Girder	117.84	24.54
For Hot Dip Galvanizing, Add	25.48	
For High Strength Low Alloy A572-50 Steel, Add	10.61	
For High Strength Low Alloy A588 Steel, Add	23.57	
For Each Additional Top Copes >2, Add	0.92	
For Structural Tees, WT, MT Or ST, Deduct	-37.34	
For Skewed Or Sloped Connections, Add	14.14	
05 12 23 00-0334 LF W10 x 39 A992/A36 Structural Beam Or Girder	107.32	24.04
For Hot Dip Galvanizing, Add	22.66	
For High Strength Low Alloy A572-50 Steel, Add	9.66	
For High Strength Low Alloy A588 Steel, Add	21.46	
For Each Additional Top Copes >2, Add	0.82	
For Structural Tees, WT, MT Or ST, Deduct	-33.71	
For Skewed Or Sloped Connections, Add	12.88	
05 12 23 00-0335 LF W10 x 33 A992/A36 Structural Beam Or Girder	96.79	23.67
For Hot Dip Galvanizing, Add	19.84	
For High Strength Low Alloy A572-50 Steel, Add	8.71	
For High Strength Low Alloy A588 Steel, Add	19.36	
For Each Additional Top Copes >2, Add	0.72	
For Structural Tees, WT, MT Or ST, Deduct	-30.08	
For Skewed Or Sloped Connections, Add	11.61	
05 12 23 00-0336 LF W10 x 30 A992/A36 Structural Beam Or Girder	91.39	23.55
For Hot Dip Galvanizing, Add	18.38	
For High Strength Low Alloy A572-50 Steel, Add	8.23	
For High Strength Low Alloy A588 Steel, Add	18.28	
For Each Additional Top Copes >2, Add	0.66	
For Structural Tees, WT, MT Or ST, Deduct	-28.21	
For Skewed Or Sloped Connections, Add	10.97	
05 12 23 00-0337 LF W10 x 26 A992/A36 Structural Beam Or Girder	84.51	23.43
For Hot Dip Galvanizing, Add	16.54	
For High Strength Low Alloy A572-50 Steel, Add	7.61	
For High Strength Low Alloy A588 Steel, Add	16.90	
For Each Additional Top Copes >2, Add	0.60	
For Structural Tees, WT, MT Or ST, Deduct	-25.84	
For Skewed Or Sloped Connections, Add	10.14	
05 12 23 00-0338 LF W10 x 22 A992/A36 Structural Beam Or Girder	77.29	23.06
For Hot Dip Galvanizing, Add	14.64	
For High Strength Low Alloy A572-50 Steel, Add	6.96	
For High Strength Low Alloy A588 Steel, Add	15.46	
For Each Additional Top Copes >2, Add	0.53	
For Structural Tees, WT, MT Or ST, Deduct	-23.37	
For Skewed Or Sloped Connections, Add	9.27	
05 12 23 00-0339 LF W10 x 19 A992/A36 Structural Beam Or Girder	72.08	22.92
For Hot Dip Galvanizing, Add	13.23	
For High Strength Low Alloy A572-50 Steel, Add	6.49	
For High Strength Low Alloy A588 Steel, Add	14.42	
For Each Additional Top Copes >2, Add	0.48	
For Structural Tees, WT, MT Or ST, Deduct	-21.57	
For Skewed Or Sloped Connections, Add	8.65	
05 12 23 00-0340 LF W10 x 17 A992/A36 Structural Beam Or Girder	68.44	22.80
For Hot Dip Galvanizing, Add	12.25	
For High Strength Low Alloy A572-50 Steel, Add	6.16	
For High Strength Low Alloy A588 Steel, Add	13.69	
For Each Additional Top Copes >2, Add	0.44	
For Structural Tees, WT, MT Or ST, Deduct	-20.31	
For Skewed Or Sloped Connections, Add	8.21	
05 12 23 00-0341 LF W10 x 15 A992/A36 Structural Beam Or Girder	65.00	22.55
For Hot Dip Galvanizing, Add	11.33	
For High Strength Low Alloy A572-50 Steel, Add	5.85	
For High Strength Low Alloy A588 Steel, Add	13.00	
For Each Additional Top Copes >2, Add	0.41	
For Structural Tees, WT, MT Or ST, Deduct	-19.12	
For Skewed Or Sloped Connections, Add	7.80	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0342 LF W10 x 12 A992/A36 Structural Beam Or Girder.....	59.79	22.55
For Hot Dip Galvanizing, Add	9.92	
For High Strength Low Alloy A572-50 Steel, Add	5.38	
For High Strength Low Alloy A588 Steel, Add	11.96	
For Each Additional Top Copes >2, Add	0.36	
For Structural Tees, WT, MT Or ST, Deduct	-17.32	
For Skewed Or Sloped Connections, Add	7.17	
05 12 23 00-0343 LF W8 x 35 A992/A36 Structural Beam Or Girder.....	100.23	23.92
For Hot Dip Galvanizing, Add	20.76	
For High Strength Low Alloy A572-50 Steel, Add	9.02	
For High Strength Low Alloy A588 Steel, Add	20.05	
For Each Additional Top Copes >2, Add	0.75	
For Structural Tees, WT, MT Or ST, Deduct	-31.27	
For Skewed Or Sloped Connections, Add	12.03	
05 12 23 00-0344 LF W8 x 31 A992/A36 Structural Beam Or Girder.....	93.15	23.55
For Hot Dip Galvanizing, Add	18.87	
For High Strength Low Alloy A572-50 Steel, Add	8.38	
For High Strength Low Alloy A588 Steel, Add	18.63	
For Each Additional Top Copes >2, Add	0.68	
For Structural Tees, WT, MT Or ST, Deduct	-28.83	
For Skewed Or Sloped Connections, Add	11.18	
05 12 23 00-0345 LF W8 x 28 A992/A36 Structural Beam Or Girder.....	90.78	22.18
For Hot Dip Galvanizing, Add	18.62	
For High Strength Low Alloy A572-50 Steel, Add	8.17	
For High Strength Low Alloy A588 Steel, Add	18.16	
For Each Additional Top Copes >2, Add	0.67	
For Structural Tees, WT, MT Or ST, Deduct	-28.22	
For Skewed Or Sloped Connections, Add	10.89	
05 12 23 00-0346 LF W8 x 24 A992/A36 Structural Beam Or Girder.....	82.65	20.82
For Hot Dip Galvanizing, Add	16.78	
For High Strength Low Alloy A572-50 Steel, Add	7.44	
For High Strength Low Alloy A588 Steel, Add	16.53	
For Each Additional Top Copes >2, Add	0.60	
For Structural Tees, WT, MT Or ST, Deduct	-25.60	
For Skewed Or Sloped Connections, Add	9.92	
05 12 23 00-0347 LF W8 x 21 A992/A36 Structural Beam Or Girder.....	76.89	19.34
For Hot Dip Galvanizing, Add	15.60	
For High Strength Low Alloy A572-50 Steel, Add	6.92	
For High Strength Low Alloy A588 Steel, Add	15.38	
For Each Additional Top Copes >2, Add	0.56	
For Structural Tees, WT, MT Or ST, Deduct	-23.81	
For Skewed Or Sloped Connections, Add	9.23	
05 12 23 00-0348 LF W8 x 18 A992/A36 Structural Beam Or Girder.....	67.07	17.97
For Hot Dip Galvanizing, Add	13.28	
For High Strength Low Alloy A572-50 Steel, Add	6.04	
For High Strength Low Alloy A588 Steel, Add	13.41	
For Each Additional Top Copes >2, Add	0.48	
For Structural Tees, WT, MT Or ST, Deduct	-20.59	
For Skewed Or Sloped Connections, Add	8.05	
05 12 23 00-0349 LF W8 x 10 A992/A36 Structural Beam Or Girder.....	37.58	12.89
For Hot Dip Galvanizing, Add	6.65	
For High Strength Low Alloy A572-50 Steel, Add	3.38	
For High Strength Low Alloy A588 Steel, Add	7.52	
For Each Additional Top Copes >2, Add	0.24	
For Structural Tees, WT, MT Or ST, Deduct	-11.11	
For Skewed Or Sloped Connections, Add	4.51	
05 12 23 00-0350 LF W6 x 9 A992/A36 Structural Beam Or Girder.....	34.79	10.54
For Hot Dip Galvanizing, Add	6.56	
For High Strength Low Alloy A572-50 Steel, Add	3.13	
For High Strength Low Alloy A588 Steel, Add	6.96	
For Each Additional Top Copes >2, Add	0.24	
For Structural Tees, WT, MT Or ST, Deduct	-10.50	
For Skewed Or Sloped Connections, Add	4.17	
05 12 23 00-0351 A992/A36 Structural Steel, M Shapes (05 12 23 00-0133)		
Note: Includes material delivery and erection.		
05 12 23 00-0352 LF M14 x 18 A992/A36 Structural Steel.....	66.96	16.67
For Hot Dip Galvanizing, Add	13.65	
For High Strength Low Alloy A572-50 Steel, Add	6.03	
For High Strength Low Alloy A588 Grade B Steel, Add	13.39	
05 12 23 00-0353 LF M12 x 11.8 A992/A36 Structural Steel.....	47.97	14.74
For Hot Dip Galvanizing, Add	8.95	
For High Strength Low Alloy A572-50 Steel, Add	4.32	
For High Strength Low Alloy A588 Grade B Steel, Add	9.59	
05 12 23 00-0354 LF M10 x 9 A992/A36 Structural Steel.....	37.21	11.83
For Hot Dip Galvanizing, Add	6.83	
For High Strength Low Alloy A572-50 Steel, Add	3.35	
For High Strength Low Alloy A588 Grade B Steel, Add	7.44	
05 12 23 00-0355 LF M8 x 6.5 A992/A36 Structural Steel.....	26.88	8.54
For Hot Dip Galvanizing, Add	4.93	
For High Strength Low Alloy A572-50 Steel, Add	2.42	
For High Strength Low Alloy A588 Grade B Steel, Add	5.38	
05 12 23 00-0356 LF M6 x 20 A992/A36 Structural Steel.....	75.73	19.96
For Hot Dip Galvanizing, Add	15.17	
For High Strength Low Alloy A572-50 Steel, Add	6.82	
For High Strength Low Alloy A588 Grade B Steel, Add	15.15	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0357	LF	M6 x 4.4	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	18.18 3.33 1.64 3.64	5.78
05 12 23 00-0358	LF	M5 x 18.9	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	72.89 14.31 6.56 14.58	19.96
05 12 23 00-0359	LF	M4 x 13	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	59.70 10.79 5.37 11.94	19.59
05 12 23 00-0360			A992/A36 Structural Steel, S Shapes (05 12 23 00-0133) Note: Includes material delivery and erection.		
05 12 23 00-0361	LF	S24 x 121	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	403.28 86.93 36.30 80.66	84.42
05 12 23 00-0362	LF	S24 x 106	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	357.43 76.15 32.17 71.49	77.85
05 12 23 00-0363	LF	S24 x 100	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	341.32 71.84 30.72 68.26	77.30
05 12 23 00-0364	LF	S24 x 90	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	311.10 64.66 28.00 62.22	73.23
05 12 23 00-0365	LF	S24 x 80	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	280.17 57.48 25.22 56.03	68.53
05 12 23 00-0366	LF	S20 x 96	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	327.67 68.97 29.49 65.53	74.21
05 12 23 00-0367	LF	S20 x 86	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	297.26 61.79 26.75 59.45	69.98
05 12 23 00-0368	LF	S20 x 75	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	262.66 53.88 23.64 52.53	64.25
05 12 23 00-0369	LF	S20 x 66	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	234.31 47.42 21.09 46.86	59.51
05 12 23 00-0370	LF	S18 x 70	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	248.53 50.29 22.37 49.71	63.12
05 12 23 00-0371	LF	S18 x 54.7	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	196.97 39.30 17.73 39.39	51.91
05 12 23 00-0372	LF	S15 x 50	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	182.71 35.92 16.44 36.54	49.95
05 12 23 00-0373	LF	S15 x 42.9	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	159.17 30.82 14.33 31.83	45.11
05 12 23 00-0374	LF	S12 x 50	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	180.05 35.92 16.20 36.01	47.46
05 12 23 00-0375	LF	S12 x 40.8	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	149.08 29.31 13.42 29.82	40.76
05 12 23 00-0376	LF	S12 x 35	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	129.85 25.14 11.69 25.97	36.81
05 12 23 00-0377	LF	S12 x 31.8	A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	119.87 22.85 10.79 23.97	35.20

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0378	LF	S10 x 35 A992/A36 Structural Steel	.....	131.92	38.75
		<i>For Hot Dip Galvanizing, Add</i>		25.14	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		11.87	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		26.38	
05 12 23 00-0379	LF	S10 x 25.4 A992/A36 Structural Steel	.....	97.32	29.60
		<i>For Hot Dip Galvanizing, Add</i>		18.25	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		8.76	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		19.46	
05 12 23 00-0380	LF	S8 x 23 A992/A36 Structural Steel	.....	88.13	26.80
		<i>For Hot Dip Galvanizing, Add</i>		16.53	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		7.93	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		17.63	
05 12 23 00-0381	LF	S8 x 18.4 A992/A36 Structural Steel	.....	71.71	22.57
		<i>For Hot Dip Galvanizing, Add</i>		13.22	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		6.45	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		14.34	
05 12 23 00-0382	LF	S7 x 20 A992/A36 Structural Steel	.....	77.93	24.53
		<i>For Hot Dip Galvanizing, Add</i>		14.37	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		7.01	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		15.59	
05 12 23 00-0383	LF	S7 x 15.3 A992/A36 Structural Steel	.....	60.68	19.76
		<i>For Hot Dip Galvanizing, Add</i>		10.99	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		5.46	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		12.14	
05 12 23 00-0384	LF	S6 x 17.25 A992/A36 Structural Steel	.....	66.98	20.93
		<i>For Hot Dip Galvanizing, Add</i>		12.39	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		6.03	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		13.40	
05 12 23 00-0385	LF	S6 x 12.5 A992/A36 Structural Steel	.....	57.32	19.34
		<i>For Hot Dip Galvanizing, Add</i>		10.16	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		5.16	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		11.46	
05 12 23 00-0386	LF	S5 x 14.75 A992/A36 Structural Steel	.....	61.10	19.71
		<i>For Hot Dip Galvanizing, Add</i>		11.14	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		5.50	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		12.22	
05 12 23 00-0387	LF	S5 x 10 A992/A36 Structural Steel	.....	51.74	19.21
		<i>For Hot Dip Galvanizing, Add</i>		8.65	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		4.66	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		10.35	
05 12 23 00-0388	LF	S4 x 9.5 A992/A36 Structural Steel	.....	50.29	19.21
		<i>For Hot Dip Galvanizing, Add</i>		8.25	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		4.53	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		10.06	
05 12 23 00-0389	LF	S4 x 7.7 A992/A36 Structural Steel	.....	46.96	19.21
		<i>For Hot Dip Galvanizing, Add</i>		7.36	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		4.23	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		9.39	
05 12 23 00-0390	LF	S3 x 7.5 A992/A36 Structural Steel	.....	46.64	19.21
		<i>For Hot Dip Galvanizing, Add</i>		7.27	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		4.20	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		9.33	
05 12 23 00-0391	LF	S3 x 5.7 A992/A36 Structural Steel	.....	42.66	19.08
		<i>For Hot Dip Galvanizing, Add</i>		6.20	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		3.84	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		8.53	
05 12 23 00-0392		A992/A36 Structural Steel, HP Shapes <small>(05 12 23 00-0133)</small>			
		Note: Includes material delivery and erection.			
05 12 23 00-0393	LF	HP14 x 117 A992/A36 Structural Steel	.....	249.16	25.01
		<i>For Hot Dip Galvanizing, Add</i>		61.74	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		22.42	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		49.83	
05 12 23 00-0394	LF	HP14 x 102 A992/A36 Structural Steel	.....	217.97	23.27
		<i>For Hot Dip Galvanizing, Add</i>		53.60	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		19.62	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		43.59	
05 12 23 00-0395	LF	HP14 x 89 A992/A36 Structural Steel	.....	194.17	21.83
		<i>For Hot Dip Galvanizing, Add</i>		47.42	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		17.48	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		38.83	
05 12 23 00-0396	LF	HP14 x 73 A992/A36 Structural Steel	.....	160.69	20.57
		<i>For Hot Dip Galvanizing, Add</i>		38.51	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		14.46	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		32.14	
05 12 23 00-0397	LF	HP13 x 100 A992/A36 Structural Steel	.....	213.71	22.82
		<i>For Hot Dip Galvanizing, Add</i>		52.55	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		19.23	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		42.74	
05 12 23 00-0398	LF	HP13 x 87 A992/A36 Structural Steel	.....	189.81	21.34
		<i>For Hot Dip Galvanizing, Add</i>		46.36	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>		17.08	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		37.96	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0399 LF HP13 x 73 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	160.69 38.51 14.46 32.14	20.57
05 12 23 00-0400 LF HP13 x 60 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	136.08 31.93 12.25 27.22	19.72
05 12 23 00-0401 LF HP12 x 84 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	179.00 43.02 16.11 35.80	22.51
05 12 23 00-0402 LF HP12 x 74 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	158.12 37.60 14.23 31.62	21.23
05 12 23 00-0403 LF HP12 x 63 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	136.08 31.99 12.25 27.22	19.52
05 12 23 00-0404 LF HP12 x 53 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	124.75 29.13 11.23 24.95	18.56
05 12 23 00-0405 LF HP10 x 57 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	131.43 30.84 11.83 26.29	19.04
05 12 23 00-0406 LF HP10 x 42 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	108.26 24.76 9.74 21.65	17.85
05 12 23 00-0407 LF HP8 x 36 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	94.09 21.13 8.47 18.82	16.83
05 12 23 00-0408 Lightweight Framing Steel Shapes <small>(05 12 23)</small> Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.		
05 12 23 00-0409 Angle Iron - L <small>(05 12 23 00-0408)</small>		
05 12 23 00-0410 1/8" Thick <small>(05 12 23 00-0409)</small>		
05 12 23 00-0411 LF 1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	2.89 -0.17 -0.24 -0.37 -0.50 0.38 1.74 0.58	1.71
05 12 23 00-0412 LF 3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	3.35 -0.19 -0.28 -0.43 -0.57 0.48 2.19 0.67	1.93
05 12 23 00-0413 LF 3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	3.80 -0.21 -0.31 -0.48 -0.64 0.59 2.71 0.76	2.14
05 12 23 00-0414 LF 1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	4.26 -0.24 -0.34 -0.53 -0.71 0.68 3.14 0.85	2.38
05 12 23 00-0415 LF 1" x 1" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	4.70 -0.26 -0.37 -0.58 -0.78 0.79 3.65 0.94	2.56

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0416	LF		1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron	5.64	3.02
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500 To 1,000, Deduct</i>	-0.68	
			<i>For >1,000, Deduct</i>	-0.93	
			<i>For Galvanized Steel, Add</i>	1.00	
			<i>For 304 Stainless Steel, Add</i>	4.62	
			<i>For High Strength Steel (HSS), Add</i>	1.13	
05 12 23 00-0417	LF		1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron.....	5.64	3.02
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500 To 1,000, Deduct</i>	-0.68	
			<i>For >1,000, Deduct</i>	-0.93	
			<i>For Galvanized Steel, Add</i>	1.00	
			<i>For 304 Stainless Steel, Add</i>	4.62	
			<i>For High Strength Steel (HSS), Add</i>	1.13	
05 12 23 00-0418	LF		1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.77	3.61
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.53	
			<i>For >500 To 1,000, Deduct</i>	-0.82	
			<i>For >1,000, Deduct</i>	-1.11	
			<i>For Galvanized Steel, Add</i>	1.21	
			<i>For 304 Stainless Steel, Add</i>	5.56	
			<i>For High Strength Steel (HSS), Add</i>	1.35	
05 12 23 00-0419	LF		2" x 2" x 1/8" Thick, Plain Steel Angle Iron.....	9.21	4.91
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500 To 1,000, Deduct</i>	-1.12	
			<i>For >1,000, Deduct</i>	-1.51	
			<i>For Galvanized Steel, Add</i>	1.65	
			<i>For 304 Stainless Steel, Add</i>	7.58	
			<i>For High Strength Steel (HSS), Add</i>	1.84	
05 12 23 00-0420			3/16" Thick <small>(05 12 23 00-0409)</small>		
05 12 23 00-0421	LF		1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	6.63	3.18
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500 To 1,000, Deduct</i>	-0.76	
			<i>For >1,000, Deduct</i>	-1.03	
			<i>For Galvanized Steel, Add</i>	1.48	
			<i>For 304 Stainless Steel, Add</i>	6.78	
			<i>For High Strength Steel (HSS), Add</i>	1.33	
05 12 23 00-0422	LF		1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron.....	6.63	3.18
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500 To 1,000, Deduct</i>	-0.76	
			<i>For >1,000, Deduct</i>	-1.03	
			<i>For Galvanized Steel, Add</i>	1.48	
			<i>For 304 Stainless Steel, Add</i>	6.78	
			<i>For High Strength Steel (HSS), Add</i>	1.33	
05 12 23 00-0423	LF		1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.44	3.42
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.53	
			<i>For >500 To 1,000, Deduct</i>	-0.83	
			<i>For >1,000, Deduct</i>	-1.13	
			<i>For Galvanized Steel, Add</i>	1.79	
			<i>For 304 Stainless Steel, Add</i>	8.24	
			<i>For High Strength Steel (HSS), Add</i>	1.49	
05 12 23 00-0424	LF		2" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	8.82	3.66
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500 To 1,000, Deduct</i>	-0.93	
			<i>For >1,000, Deduct</i>	-1.27	
			<i>For Galvanized Steel, Add</i>	2.44	
			<i>For 304 Stainless Steel, Add</i>	11.20	
			<i>For High Strength Steel (HSS), Add</i>	1.76	
05 12 23 00-0425	LF		2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	9.66	3.92
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500 To 1,000, Deduct</i>	-1.01	
			<i>For >1,000, Deduct</i>	-1.38	
			<i>For Galvanized Steel, Add</i>	2.75	
			<i>For 304 Stainless Steel, Add</i>	12.63	
			<i>For High Strength Steel (HSS), Add</i>	1.93	
05 12 23 00-0426	LF		2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	10.55	4.20
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.09	
			<i>For >1,000, Deduct</i>	-1.49	
			<i>For Galvanized Steel, Add</i>	3.07	
			<i>For 304 Stainless Steel, Add</i>	14.11	
			<i>For High Strength Steel (HSS), Add</i>	2.11	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0427 LF 3" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	10.54	4.20
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.68	
For >500 To 1,000, Deduct	-1.09	
For >1,000, Deduct	-1.49	
For Galvanized Steel, Add	3.06	
For 304 Stainless Steel, Add	14.08	
For High Strength Steel (HSS), Add	2.11	
05 12 23 00-0428 LF 3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	11.65	4.64
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.76	
For >500 To 1,000, Deduct	-1.20	
For >1,000, Deduct	-1.65	
For Galvanized Steel, Add	3.39	
For 304 Stainless Steel, Add	15.56	
For High Strength Steel (HSS), Add	2.33	
05 12 23 00-0429 LF 3" x 3" x 3/16" Thick, Plain Steel Angle Iron.....	12.74	5.08
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.83	
For >500 To 1,000, Deduct	-1.31	
For >1,000, Deduct	-1.80	
For Galvanized Steel, Add	3.70	
For 304 Stainless Steel, Add	17.01	
For High Strength Steel (HSS), Add	2.55	
05 12 23 00-0430 1/4" Thick <small>(05 12 23 00-0409)</small>		
05 12 23 00-0431 LF 1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	7.54	3.37
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.53	
For >500 To 1,000, Deduct	-0.83	
For >1,000, Deduct	-1.13	
For Galvanized Steel, Add	1.89	
For 304 Stainless Steel, Add	8.69	
For High Strength Steel (HSS), Add	1.51	
05 12 23 00-0432 LF 1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	8.54	3.61
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.57	
For >500 To 1,000, Deduct	-0.91	
For >1,000, Deduct	-1.24	
For Galvanized Steel, Add	2.31	
For 304 Stainless Steel, Add	10.63	
For High Strength Steel (HSS), Add	1.71	
05 12 23 00-0433 LF 2" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	10.25	3.84
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.64	
For >500 To 1,000, Deduct	-1.03	
For >1,000, Deduct	-1.41	
For Galvanized Steel, Add	3.17	
For 304 Stainless Steel, Add	14.59	
For High Strength Steel (HSS), Add	2.05	
05 12 23 00-0434 LF 2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	11.51	4.26
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.71	
For >500 To 1,000, Deduct	-1.14	
For >1,000, Deduct	-1.57	
For Galvanized Steel, Add	3.61	
For 304 Stainless Steel, Add	16.62	
For High Strength Steel (HSS), Add	2.30	
05 12 23 00-0435 LF 2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	12.81	4.66
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-1.26	
For >1,000, Deduct	-1.74	
For Galvanized Steel, Add	4.08	
For 304 Stainless Steel, Add	18.75	
For High Strength Steel (HSS), Add	2.56	
05 12 23 00-0436 LF 3" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	12.81	4.66
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-1.26	
For >1,000, Deduct	-1.74	
For Galvanized Steel, Add	4.08	
For 304 Stainless Steel, Add	18.75	
For High Strength Steel (HSS), Add	2.56	
05 12 23 00-0437 LF 3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	14.15	5.18
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.87	
For >500 To 1,000, Deduct	-1.40	
For >1,000, Deduct	-1.93	
For Galvanized Steel, Add	4.49	
For 304 Stainless Steel, Add	20.63	
For High Strength Steel (HSS), Add	2.83	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0438	LF		3" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	15.47	5.69
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500 To 1,000, Deduct</i>	-1.53	
			<i>For >1,000, Deduct</i>	-2.11	
			<i>For Galvanized Steel, Add</i>	4.88	
			<i>For 304 Stainless Steel, Add</i>	22.43	
			<i>For High Strength Steel (HSS), Add</i>	3.09	
05 12 23 00-0439	LF		3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	16.83	6.13
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500 To 1,000, Deduct</i>	-1.66	
			<i>For >1,000, Deduct</i>	-2.28	
			<i>For Galvanized Steel, Add</i>	5.38	
			<i>For 304 Stainless Steel, Add</i>	24.71	
			<i>For High Strength Steel (HSS), Add</i>	3.37	
05 12 23 00-0440	LF		3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.86	0.63
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.09	
			<i>For >500 To 1,000, Deduct</i>	-1.75	
			<i>For >1,000, Deduct</i>	-2.40	
			<i>For Galvanized Steel, Add</i>	5.79	
			<i>For 304 Stainless Steel, Add</i>	26.62	
			<i>For High Strength Steel (HSS), Add</i>	3.57	
05 12 23 00-0441	LF		4" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	17.86	6.40
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.09	
			<i>For >500 To 1,000, Deduct</i>	-1.75	
			<i>For >1,000, Deduct</i>	-2.40	
			<i>For Galvanized Steel, Add</i>	5.79	
			<i>For 304 Stainless Steel, Add</i>	26.62	
			<i>For High Strength Steel (HSS), Add</i>	3.57	
05 12 23 00-0442	LF		4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron.....	18.84	6.66
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500 To 1,000, Deduct</i>	-1.83	
			<i>For >1,000, Deduct</i>	-2.52	
			<i>For Galvanized Steel, Add</i>	6.17	
			<i>For 304 Stainless Steel, Add</i>	28.36	
			<i>For High Strength Steel (HSS), Add</i>	3.77	
05 12 23 00-0443	LF		4" x 4" x 1/4" Thick, Plain Steel Angle Iron.....	19.88	6.94
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500 To 1,000, Deduct</i>	-1.92	
			<i>For >1,000, Deduct</i>	-2.65	
			<i>For Galvanized Steel, Add</i>	6.58	
			<i>For 304 Stainless Steel, Add</i>	30.27	
			<i>For High Strength Steel (HSS), Add</i>	3.98	
05 12 23 00-0444	LF		5" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	19.88	6.94
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500 To 1,000, Deduct</i>	-1.92	
			<i>For >1,000, Deduct</i>	-2.65	
			<i>For Galvanized Steel, Add</i>	6.58	
			<i>For 304 Stainless Steel, Add</i>	30.27	
			<i>For High Strength Steel (HSS), Add</i>	3.98	
05 12 23 00-0445	LF		5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron.....	21.00	7.32
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500 To 1,000, Deduct</i>	-2.03	
			<i>For >1,000, Deduct</i>	-2.80	
			<i>For Galvanized Steel, Add</i>	6.97	
			<i>For 304 Stainless Steel, Add</i>	32.03	
			<i>For High Strength Steel (HSS), Add</i>	4.20	
05 12 23 00-0446			5/16" Thick <small>(05 12 23 00-0409)</small>		
05 12 23 00-0447	LF		2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron.....	13.84	4.95
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500 To 1,000, Deduct</i>	-1.35	
			<i>For >1,000, Deduct</i>	-1.86	
			<i>For Galvanized Steel, Add</i>	4.49	
			<i>For 304 Stainless Steel, Add</i>	20.63	
			<i>For High Strength Steel (HSS), Add</i>	2.77	
05 12 23 00-0448	LF		2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	15.04	5.25
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.90	
			<i>For >500 To 1,000, Deduct</i>	-1.45	
			<i>For >1,000, Deduct</i>	-2.00	
			<i>For Galvanized Steel, Add</i>	4.99	
			<i>For 304 Stainless Steel, Add</i>	22.94	
			<i>For High Strength Steel (HSS), Add</i>	3.01	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0449	LF		3" x 2" x 5/16" Thick, Plain Steel Angle Iron.....	15.04	5.25
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.90	
			<i>For >500 To 1,000, Deduct</i>	-1.45	
			<i>For >1,000, Deduct</i>	-2.00	
			<i>For Galvanized Steel, Add</i>	4.99	
			<i>For 304 Stainless Steel, Add</i>	22.94	
			<i>For High Strength Steel (HSS), Add</i>	3.01	
05 12 23 00-0450	LF		3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	16.68	5.75
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500 To 1,000, Deduct</i>	-1.60	
			<i>For >1,000, Deduct</i>	-2.21	
			<i>For Galvanized Steel, Add</i>	5.59	
			<i>For 304 Stainless Steel, Add</i>	25.68	
			<i>For High Strength Steel (HSS), Add</i>	3.34	
05 12 23 00-0451	LF		3" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	18.16	6.26
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500 To 1,000, Deduct</i>	-1.74	
			<i>For >1,000, Deduct</i>	-2.40	
			<i>For Galvanized Steel, Add</i>	6.09	
			<i>For 304 Stainless Steel, Add</i>	27.99	
			<i>For High Strength Steel (HSS), Add</i>	3.63	
05 12 23 00-0452	LF		3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	19.38	6.57
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500 To 1,000, Deduct</i>	-1.85	
			<i>For >1,000, Deduct</i>	-2.55	
			<i>For Galvanized Steel, Add</i>	6.58	
			<i>For 304 Stainless Steel, Add</i>	30.27	
			<i>For High Strength Steel (HSS), Add</i>	3.88	
05 12 23 00-0453	LF		3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	20.75	6.89
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500 To 1,000, Deduct</i>	-1.96	
			<i>For >1,000, Deduct</i>	-2.71	
			<i>For Galvanized Steel, Add</i>	7.17	
			<i>For 304 Stainless Steel, Add</i>	32.95	
			<i>For High Strength Steel (HSS), Add</i>	4.15	
05 12 23 00-0454	LF		4" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	20.75	6.89
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500 To 1,000, Deduct</i>	-1.96	
			<i>For >1,000, Deduct</i>	-2.71	
			<i>For Galvanized Steel, Add</i>	7.17	
			<i>For 304 Stainless Steel, Add</i>	32.95	
			<i>For High Strength Steel (HSS), Add</i>	4.15	
05 12 23 00-0455	LF		4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	22.08	7.29
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500 To 1,000, Deduct</i>	-2.08	
			<i>For >1,000, Deduct</i>	-2.87	
			<i>For Galvanized Steel, Add</i>	7.66	
			<i>For 304 Stainless Steel, Add</i>	35.23	
			<i>For High Strength Steel (HSS), Add</i>	4.42	
05 12 23 00-0456	LF		4" x 4" x 5/16" Thick, Plain Steel Angle Iron.....	23.36	7.62
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500 To 1,000, Deduct</i>	-2.18	
			<i>For >1,000, Deduct</i>	-3.02	
			<i>For Galvanized Steel, Add</i>	8.18	
			<i>For 304 Stainless Steel, Add</i>	37.62	
			<i>For High Strength Steel (HSS), Add</i>	4.67	
05 12 23 00-0457	LF		5" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	23.36	7.62
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500 To 1,000, Deduct</i>	-2.18	
			<i>For >1,000, Deduct</i>	-3.02	
			<i>For Galvanized Steel, Add</i>	8.18	
			<i>For 304 Stainless Steel, Add</i>	37.62	
			<i>For High Strength Steel (HSS), Add</i>	4.67	
05 12 23 00-0458	LF		5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	24.55	7.93
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500 To 1,000, Deduct</i>	-2.29	
			<i>For >1,000, Deduct</i>	-3.16	
			<i>For Galvanized Steel, Add</i>	8.66	
			<i>For 304 Stainless Steel, Add</i>	39.81	
			<i>For High Strength Steel (HSS), Add</i>	4.91	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0459	LF		5" x 5" x 5/16" Thick, Plain Steel Angle Iron.....	27.60	8.26
			<i>For >100 To 250, Deduct</i>	-0.83	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500 To 1,000, Deduct</i>	-2.48	
			<i>For >1,000, Deduct</i>	-3.45	
			<i>For Galvanized Steel, Add</i>	10.28	
			<i>For 304 Stainless Steel, Add</i>	47.25	
			<i>For High Strength Steel (HSS), Add</i>	5.52	
05 12 23 00-0460	LF		6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron.....	27.22	8.61
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.54	
			<i>For >500 To 1,000, Deduct</i>	-2.51	
			<i>For >1,000, Deduct</i>	-3.48	
			<i>For Galvanized Steel, Add</i>	9.75	
			<i>For 304 Stainless Steel, Add</i>	44.83	
			<i>For High Strength Steel (HSS), Add</i>	5.44	
05 12 23 00-0461			3/8" Thick <small>(05 12 23 00-0409)</small>		
05 12 23 00-0462	LF		3" x 2" x 3/8" Thick, Plain Steel Angle Iron.....	16.79	5.49
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500 To 1,000, Deduct</i>	-1.57	
			<i>For >1,000, Deduct</i>	-2.17	
			<i>For Galvanized Steel, Add</i>	5.87	
			<i>For 304 Stainless Steel, Add</i>	26.99	
			<i>For High Strength Steel (HSS), Add</i>	3.36	
05 12 23 00-0463	LF		3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron.....	18.55	5.94
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500 To 1,000, Deduct</i>	-1.72	
			<i>For >1,000, Deduct</i>	-2.38	
			<i>For Galvanized Steel, Add</i>	6.58	
			<i>For 304 Stainless Steel, Add</i>	30.27	
			<i>For High Strength Steel (HSS), Add</i>	3.71	
05 12 23 00-0464	LF		3" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	20.10	6.41
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500 To 1,000, Deduct</i>	-1.86	
			<i>For >1,000, Deduct</i>	-2.58	
			<i>For Galvanized Steel, Add</i>	7.17	
			<i>For 304 Stainless Steel, Add</i>	32.95	
			<i>For High Strength Steel (HSS), Add</i>	4.02	
05 12 23 00-0465	LF		3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	21.49	6.58
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.20	
			<i>For >500 To 1,000, Deduct</i>	-1.95	
			<i>For >1,000, Deduct</i>	-2.71	
			<i>For Galvanized Steel, Add</i>	7.89	
			<i>For 304 Stainless Steel, Add</i>	36.25	
			<i>For High Strength Steel (HSS), Add</i>	4.30	
05 12 23 00-0466	LF		3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron.....	22.91	6.94
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500 To 1,000, Deduct</i>	-2.07	
			<i>For >1,000, Deduct</i>	-2.88	
			<i>For Galvanized Steel, Add</i>	8.46	
			<i>For 304 Stainless Steel, Add</i>	38.90	
			<i>For High Strength Steel (HSS), Add</i>	4.58	
05 12 23 00-0467	LF		4" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	22.91	6.94
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500 To 1,000, Deduct</i>	-2.07	
			<i>For >1,000, Deduct</i>	-2.88	
			<i>For Galvanized Steel, Add</i>	8.46	
			<i>For 304 Stainless Steel, Add</i>	38.90	
			<i>For High Strength Steel (HSS), Add</i>	4.58	
05 12 23 00-0468	LF		4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron.....	24.69	7.57
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500 To 1,000, Deduct</i>	-2.24	
			<i>For >1,000, Deduct</i>	-3.11	
			<i>For Galvanized Steel, Add</i>	9.06	
			<i>For 304 Stainless Steel, Add</i>	41.64	
			<i>For High Strength Steel (HSS), Add</i>	4.94	
05 12 23 00-0469	LF		4" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	26.11	7.79
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500 To 1,000, Deduct</i>	-2.34	
			<i>For >1,000, Deduct</i>	-3.26	
			<i>For Galvanized Steel, Add</i>	9.75	
			<i>For 304 Stainless Steel, Add</i>	44.83	
			<i>For High Strength Steel (HSS), Add</i>	5.22	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0470	LF		5" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	26.52	8.09
			<i>For >100 To 250, Deduct</i>	-0.81	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500 To 1,000, Deduct</i>	-2.41	
			<i>For >1,000, Deduct</i>	-3.34	
			<i>For Galvanized Steel, Add</i>	9.75	
			<i>For 304 Stainless Steel, Add</i>	44.83	
			<i>For High Strength Steel (HSS), Add</i>	5.30	
05 12 23 00-0471	LF		5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	28.34	8.72
			<i>For >100 To 250, Deduct</i>	-0.87	
			<i>For >250 To 500, Deduct</i>	-1.58	
			<i>For >500 To 1,000, Deduct</i>	-2.58	
			<i>For >1,000, Deduct</i>	-3.58	
			<i>For Galvanized Steel, Add</i>	10.35	
			<i>For 304 Stainless Steel, Add</i>	47.60	
			<i>For High Strength Steel (HSS), Add</i>	5.67	
05 12 23 00-0472	LF		5" x 5" x 3/8" Thick, Plain Steel Angle Iron.....	33.35	10.17
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500 To 1,000, Deduct</i>	-3.02	
			<i>For >1,000, Deduct</i>	-4.20	
			<i>For Galvanized Steel, Add</i>	12.28	
			<i>For 304 Stainless Steel, Add</i>	56.43	
			<i>For High Strength Steel (HSS), Add</i>	6.67	
05 12 23 00-0473	LF		6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	31.38	9.45
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500 To 1,000, Deduct</i>	-2.83	
			<i>For >1,000, Deduct</i>	-3.93	
			<i>For Galvanized Steel, Add</i>	11.64	
			<i>For 304 Stainless Steel, Add</i>	53.52	
			<i>For High Strength Steel (HSS), Add</i>	6.28	
05 12 23 00-0474	LF		6" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	33.35	10.17
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500 To 1,000, Deduct</i>	-3.02	
			<i>For >1,000, Deduct</i>	-4.20	
			<i>For Galvanized Steel, Add</i>	12.28	
			<i>For 304 Stainless Steel, Add</i>	56.43	
			<i>For High Strength Steel (HSS), Add</i>	6.67	
05 12 23 00-0475	LF		6" x 6" x 3/8" Thick, Plain Steel Angle Iron.....	40.24	12.20
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-2.23	
			<i>For >500 To 1,000, Deduct</i>	-3.64	
			<i>For >1,000, Deduct</i>	-5.05	
			<i>For Galvanized Steel, Add</i>	14.87	
			<i>For 304 Stainless Steel, Add</i>	68.34	
			<i>For High Strength Steel (HSS), Add</i>	8.05	
05 12 23 00-0476	LF		7" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	36.79	11.18
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500 To 1,000, Deduct</i>	-3.33	
			<i>For >1,000, Deduct</i>	-4.62	
			<i>For Galvanized Steel, Add</i>	13.57	
			<i>For 304 Stainless Steel, Add</i>	62.36	
			<i>For High Strength Steel (HSS), Add</i>	7.36	
05 12 23 00-0477			1/2" Thick <small>(05 12 23 00-0409)</small>		
05 12 23 00-0478	LF		3" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	23.85	6.55
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500 To 1,000, Deduct</i>	-2.06	
			<i>For >1,000, Deduct</i>	-2.88	
			<i>For Galvanized Steel, Add</i>	9.38	
			<i>For 304 Stainless Steel, Add</i>	43.12	
			<i>For High Strength Steel (HSS), Add</i>	4.77	
05 12 23 00-0479	LF		4" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	28.18	7.73
			<i>For >100 To 250, Deduct</i>	-0.77	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500 To 1,000, Deduct</i>	-2.44	
			<i>For >1,000, Deduct</i>	-3.40	
			<i>For Galvanized Steel, Add</i>	11.08	
			<i>For 304 Stainless Steel, Add</i>	50.93	
			<i>For High Strength Steel (HSS), Add</i>	5.64	
05 12 23 00-0480	LF		4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	30.19	8.28
			<i>For >100 To 250, Deduct</i>	-0.83	
			<i>For >250 To 500, Deduct</i>	-1.58	
			<i>For >500 To 1,000, Deduct</i>	-2.61	
			<i>For >1,000, Deduct</i>	-3.64	
			<i>For Galvanized Steel, Add</i>	11.87	
			<i>For 304 Stainless Steel, Add</i>	54.58	
			<i>For High Strength Steel (HSS), Add</i>	6.04	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0481 LF 4" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	32.49	8.92
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.70	
For >500 To 1,000, Deduct	-2.81	
For >1,000, Deduct	-3.92	
For Galvanized Steel, Add	12.77	
For 304 Stainless Steel, Add	58.71	
For High Strength Steel (HSS), Add	6.50	
05 12 23 00-0482 LF 5" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	32.49	8.92
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.70	
For >500 To 1,000, Deduct	-2.81	
For >1,000, Deduct	-3.92	
For Galvanized Steel, Add	12.77	
For 304 Stainless Steel, Add	58.71	
For High Strength Steel (HSS), Add	6.50	
05 12 23 00-0483 LF 5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron.....	34.51	9.47
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.81	
For >500 To 1,000, Deduct	-2.99	
For >1,000, Deduct	-4.17	
For Galvanized Steel, Add	13.57	
For 304 Stainless Steel, Add	62.39	
For High Strength Steel (HSS), Add	6.90	
05 12 23 00-0484 LF 5" x 5" x 1/2" Thick, Plain Steel Angle Iron.....	41.11	11.28
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-2.16	
For >500 To 1,000, Deduct	-3.56	
For >1,000, Deduct	-4.96	
For Galvanized Steel, Add	16.16	
For 304 Stainless Steel, Add	74.30	
For High Strength Steel (HSS), Add	8.22	
05 12 23 00-0485 LF 6" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	41.11	11.28
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-2.16	
For >500 To 1,000, Deduct	-3.56	
For >1,000, Deduct	-4.96	
For Galvanized Steel, Add	16.16	
For 304 Stainless Steel, Add	74.30	
For High Strength Steel (HSS), Add	8.22	
05 12 23 00-0486 LF 6" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	49.73	13.64
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-2.61	
For >500 To 1,000, Deduct	-4.31	
For >1,000, Deduct	-6.00	
For Galvanized Steel, Add	19.55	
For 304 Stainless Steel, Add	89.89	
For High Strength Steel (HSS), Add	9.95	
05 12 23 00-0487 LF 7" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	45.41	12.46
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-2.38	
For >500 To 1,000, Deduct	-3.93	
For >1,000, Deduct	-5.48	
For Galvanized Steel, Add	17.86	
For 304 Stainless Steel, Add	82.08	
For High Strength Steel (HSS), Add	9.08	
05 12 23 00-0488 LF 8" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	49.73	13.64
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-2.61	
For >500 To 1,000, Deduct	-4.31	
For >1,000, Deduct	-6.00	
For Galvanized Steel, Add	19.55	
For 304 Stainless Steel, Add	89.89	
For High Strength Steel (HSS), Add	9.95	
05 12 23 00-0489 LF 8" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	58.38	16.02
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-3.06	
For >500 To 1,000, Deduct	-5.06	
For >1,000, Deduct	-7.05	
For Galvanized Steel, Add	22.95	
For 304 Stainless Steel, Add	105.51	
For High Strength Steel (HSS), Add	11.68	
05 12 23 00-0490 LF 8" x 8" x 1/2" Thick, Plain Steel Angle Iron.....	66.99	18.39
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-3.51	
For >500 To 1,000, Deduct	-5.80	
For >1,000, Deduct	-8.09	
For Galvanized Steel, Add	26.34	
For 304 Stainless Steel, Add	121.07	
For High Strength Steel (HSS), Add	13.40	

05 12 23 00-0491 5/8" Thick (05 12 23 00-0409)



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0492	LF		4" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	38.89	10.22
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500 To 1,000, Deduct</i>	-3.31	
			<i>For >1,000, Deduct</i>	-4.62	
			<i>For Galvanized Steel, Add</i>	15.67	
			<i>For High Strength Steel (HSS), Add</i>	7.78	
05 12 23 00-0493	LF		5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron	41.63	10.93
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500 To 1,000, Deduct</i>	-3.54	
			<i>For >1,000, Deduct</i>	-4.94	
			<i>For Galvanized Steel, Add</i>	16.77	
			<i>For High Strength Steel (HSS), Add</i>	8.33	
05 12 23 00-0494	LF		5" x 5" x 5/8" Thick, Plain Steel Angle Iron.....	49.53	13.02
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500 To 1,000, Deduct</i>	-4.21	
			<i>For >1,000, Deduct</i>	-5.88	
			<i>For Galvanized Steel, Add</i>	19.95	
			<i>For High Strength Steel (HSS), Add</i>	9.91	
05 12 23 00-0495	LF		6" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	49.53	13.02
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500 To 1,000, Deduct</i>	-4.21	
			<i>For >1,000, Deduct</i>	-5.88	
			<i>For Galvanized Steel, Add</i>	19.95	
			<i>For High Strength Steel (HSS), Add</i>	9.91	
05 12 23 00-0496	LF		6" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	59.95	15.75
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-3.07	
			<i>For >500 To 1,000, Deduct</i>	-5.10	
			<i>For >1,000, Deduct</i>	-7.12	
			<i>For Galvanized Steel, Add</i>	24.15	
			<i>For High Strength Steel (HSS), Add</i>	11.99	
05 12 23 00-0497	LF		7" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	54.74	14.38
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-2.81	
			<i>For >500 To 1,000, Deduct</i>	-4.65	
			<i>For >1,000, Deduct</i>	-6.50	
			<i>For Galvanized Steel, Add</i>	22.05	
			<i>For High Strength Steel (HSS), Add</i>	10.95	
05 12 23 00-0498	LF		8" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	70.59	18.55
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-3.62	
			<i>For >500 To 1,000, Deduct</i>	-6.00	
			<i>For >1,000, Deduct</i>	-8.38	
			<i>For Galvanized Steel, Add</i>	28.44	
			<i>For High Strength Steel (HSS), Add</i>	14.12	
05 12 23 00-0499	LF		8" x 8" x 5/8" Thick, Plain Steel Angle Iron.....	81.00	21.28
			<i>For >100 To 250, Deduct</i>	-2.13	
			<i>For >250 To 500, Deduct</i>	-4.15	
			<i>For >500 To 1,000, Deduct</i>	-6.89	
			<i>For >1,000, Deduct</i>	-9.62	
			<i>For Galvanized Steel, Add</i>	32.63	
			<i>For High Strength Steel (HSS), Add</i>	16.20	
05 12 23 00-0500			3/4" Thick <small>(05 12 23 00-0409)</small>		
05 12 23 00-0501	LF		4" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	44.84	11.29
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-2.25	
			<i>For >500 To 1,000, Deduct</i>	-3.75	
			<i>For >1,000, Deduct</i>	-5.24	
			<i>For Galvanized Steel, Add</i>	18.47	
			<i>For High Strength Steel (HSS), Add</i>	8.97	
05 12 23 00-0502	LF		5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	47.97	12.08
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500 To 1,000, Deduct</i>	-4.01	
			<i>For >1,000, Deduct</i>	-5.61	
			<i>For Galvanized Steel, Add</i>	19.75	
			<i>For High Strength Steel (HSS), Add</i>	9.59	
05 12 23 00-0503	LF		5" x 5" x 3/4" Thick, Plain Steel Angle Iron.....	57.18	14.41
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500 To 1,000, Deduct</i>	-4.78	
			<i>For >1,000, Deduct</i>	-6.69	
			<i>For Galvanized Steel, Add</i>	23.55	
			<i>For High Strength Steel (HSS), Add</i>	11.44	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0504	LF		6" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	57.18	14.41
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500 To 1,000, Deduct</i>	-4.78	
			<i>For >1,000, Deduct</i>	-6.69	
			<i>For Galvanized Steel, Add</i>	23.55	
			<i>For High Strength Steel (HSS), Add</i>	11.44	
05 12 23 00-0505	LF		6" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	69.54	17.50
			<i>For >100 To 250, Deduct</i>	-1.75	
			<i>For >250 To 500, Deduct</i>	-3.49	
			<i>For >500 To 1,000, Deduct</i>	-5.81	
			<i>For >1,000, Deduct</i>	-8.13	
			<i>For Galvanized Steel, Add</i>	28.64	
			<i>For High Strength Steel (HSS), Add</i>	13.91	
05 12 23 00-0506	LF		7" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	63.47	15.99
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-3.19	
			<i>For >500 To 1,000, Deduct</i>	-5.30	
			<i>For >1,000, Deduct</i>	-7.42	
			<i>For Galvanized Steel, Add</i>	26.14	
			<i>For High Strength Steel (HSS), Add</i>	12.69	
05 12 23 00-0507	LF		8" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	69.54	17.50
			<i>For >100 To 250, Deduct</i>	-1.75	
			<i>For >250 To 500, Deduct</i>	-3.49	
			<i>For >500 To 1,000, Deduct</i>	-5.81	
			<i>For >1,000, Deduct</i>	-8.13	
			<i>For Galvanized Steel, Add</i>	28.64	
			<i>For High Strength Steel (HSS), Add</i>	13.91	
05 12 23 00-0508	LF		8" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	81.90	20.61
			<i>For >100 To 250, Deduct</i>	-2.06	
			<i>For >250 To 500, Deduct</i>	-4.11	
			<i>For >500 To 1,000, Deduct</i>	-6.84	
			<i>For >1,000, Deduct</i>	-9.58	
			<i>For Galvanized Steel, Add</i>	33.73	
			<i>For High Strength Steel (HSS), Add</i>	16.38	
05 12 23 00-0509	LF		8" x 8" x 3/4" Thick, Plain Steel Angle Iron.....	94.25	23.73
			<i>For >100 To 250, Deduct</i>	-2.37	
			<i>For >250 To 500, Deduct</i>	-4.73	
			<i>For >500 To 1,000, Deduct</i>	-7.88	
			<i>For >1,000, Deduct</i>	-11.02	
			<i>For Galvanized Steel, Add</i>	38.82	
			<i>For High Strength Steel (HSS), Add</i>	18.85	
05 12 23 00-0510			7/8" Thick <small>(05 12 23 00-0409)</small>		
05 12 23 00-0511	LF		5" x 5" x 7/8" Thick, Plain Steel Angle Iron.....	64.42	15.48
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500 To 1,000, Deduct</i>	-5.29	
			<i>For >1,000, Deduct</i>	-7.41	
			<i>For Galvanized Steel, Add</i>	27.14	
			<i>For High Strength Steel (HSS), Add</i>	12.88	
05 12 23 00-0512	LF		6" x 4" x 7/8" Thick, Plain Steel Angle Iron.....	64.42	15.48
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500 To 1,000, Deduct</i>	-5.29	
			<i>For >1,000, Deduct</i>	-7.41	
			<i>For Galvanized Steel, Add</i>	27.14	
			<i>For High Strength Steel (HSS), Add</i>	12.88	
05 12 23 00-0513	LF		6" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	78.41	18.85
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-3.85	
			<i>For >500 To 1,000, Deduct</i>	-6.43	
			<i>For >1,000, Deduct</i>	-9.02	
			<i>For Galvanized Steel, Add</i>	33.03	
			<i>For High Strength Steel (HSS), Add</i>	15.68	
05 12 23 00-0514	LF		8" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	92.61	22.26
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-4.54	
			<i>For >500 To 1,000, Deduct</i>	-7.60	
			<i>For >1,000, Deduct</i>	-10.66	
			<i>For Galvanized Steel, Add</i>	39.02	
			<i>For High Strength Steel (HSS), Add</i>	18.52	
05 12 23 00-0515	LF		8" x 8" x 7/8" Thick, Plain Steel Angle Iron.....	106.58	25.63
			<i>For >100 To 250, Deduct</i>	-2.56	
			<i>For >250 To 500, Deduct</i>	-5.23	
			<i>For >500 To 1,000, Deduct</i>	-8.75	
			<i>For >1,000, Deduct</i>	-12.26	
			<i>For Galvanized Steel, Add</i>	44.90	
			<i>For High Strength Steel (HSS), Add</i>	21.32	
05 12 23 00-0516			Bar Channel <small>(05 12 23 00-0408)</small>		



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0517 LF 1" x 1/2" x 1/8" Thick Bar Channel	5.17	
For 316 Stainless Steel, Add	5.60	
For Aluminum, Add	0.32	
For Galvanized Steel, Add	1.09	
For 304 Stainless Steel, Add	4.99	
For High Strength Steel (HSS), Add	1.03	
05 12 23 00-0518 LF 1-1/4" x 1/2" x 1/8" Thick Bar Channel	5.82	
For 316 Stainless Steel, Add	6.72	
For Aluminum, Add	0.38	
For Galvanized Steel, Add	1.30	
For 304 Stainless Steel, Add	5.99	
For High Strength Steel (HSS), Add	1.16	
05 12 23 00-0519 LF 1-1/2" x 1/2" x 1/8" Thick Bar Channel	6.34	
For 316 Stainless Steel, Add	7.42	
For Aluminum, Add	0.42	
For Galvanized Steel, Add	1.44	
For 304 Stainless Steel, Add	6.61	
For High Strength Steel (HSS), Add	1.27	
05 12 23 00-0520 LF 1-1/2" x 3/4" x 1/8" Thick Bar Channel	7.24	
For 316 Stainless Steel, Add	7.74	
For Aluminum, Add	0.44	
For Galvanized Steel, Add	1.50	
For 304 Stainless Steel, Add	6.90	
For High Strength Steel (HSS), Add	1.45	
05 12 23 00-0521 LF 2" x 1/2" x 1/8" Thick Bar Channel	7.78	
For 316 Stainless Steel, Add	9.47	
For Aluminum, Add	0.53	
For Galvanized Steel, Add	1.84	
For 304 Stainless Steel, Add	8.44	
05 12 23 00-0522 LF 2" x 1" x 1/8" Thick Bar Channel	10.18	
For 316 Stainless Steel, Add	10.59	
For Aluminum, Add	0.60	
For Galvanized Steel, Add	2.05	
For 304 Stainless Steel, Add	9.43	
05 12 23 00-0523 Channels - C <small>(05 12 23 00-0408)</small>		
05 12 23 00-0524 LF C2 x 1.78 - 2" Wide Channel	8.47	4.24
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.64	
For >500 To 1,000, Deduct	-0.99	
For >1,000, Deduct	-1.34	
For 316 Stainless Steel, Add	8.99	
For Aluminum, Add	0.51	
For Galvanized Steel, Add	1.74	
For 304 Stainless Steel, Add	8.01	
05 12 23 00-0525 LF C3 x 4.1 - 3" Wide Channel	14.73	6.10
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-0.98	
For >500 To 1,000, Deduct	-1.55	
For >1,000, Deduct	-2.12	
For 316 Stainless Steel, Add	21.12	
For Aluminum, Add	1.19	
For Galvanized Steel, Add	4.09	
For 304 Stainless Steel, Add	18.81	
05 12 23 00-0526 LF C3 x 5 - 3" Wide Channel	17.97	7.44
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-1.19	
For >500 To 1,000, Deduct	-1.89	
For >1,000, Deduct	-2.59	
For 316 Stainless Steel, Add	25.76	
For Aluminum, Add	1.45	
For Galvanized Steel, Add	4.99	
For 304 Stainless Steel, Add	22.94	
05 12 23 00-0527 LF C3 x 6 - 3" Wide Channel	21.57	8.93
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.43	
For >500 To 1,000, Deduct	-2.27	
For >1,000, Deduct	-3.11	
For 316 Stainless Steel, Add	30.91	
For Aluminum, Add	1.74	
For Galvanized Steel, Add	5.99	
For 304 Stainless Steel, Add	27.53	
05 12 23 00-0528 LF C4 x 5.4 - 4" Wide Channel	18.45	7.32
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.19	
For >500 To 1,000, Deduct	-1.90	
For >1,000, Deduct	-2.60	
For 316 Stainless Steel, Add	27.81	
For Aluminum, Add	1.56	
For Galvanized Steel, Add	5.39	
For 304 Stainless Steel, Add	24.77	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0529	LF		C4 x 7.25 - 4" Wide Channel.....	24.77	9.82
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.60	
			For >500 To 1,000, Deduct	-2.55	
			For >1,000, Deduct	-3.50	
			For 316 Stainless Steel, Add	37.34	
			For Aluminum, Add	2.10	
			For Galvanized Steel, Add	7.24	
			For 304 Stainless Steel, Add	33.26	
05 12 23 00-0530	LF		C5 x 6.7 - 5" Wide Channel.....	22.16	8.53
			For >100 To 250, Deduct	-0.85	
			For >250 To 500, Deduct	-1.41	
			For >500 To 1,000, Deduct	-2.25	
			For >1,000, Deduct	-3.08	
			For 316 Stainless Steel, Add	34.50	
			For Aluminum, Add	1.94	
			For Galvanized Steel, Add	6.68	
			For 304 Stainless Steel, Add	30.72	
05 12 23 00-0531	LF		C5 x 9 - 5" Wide Channel.....	29.77	11.47
			For >100 To 250, Deduct	-1.15	
			For >250 To 500, Deduct	-1.89	
			For >500 To 1,000, Deduct	-3.02	
			For >1,000, Deduct	-4.14	
			For 316 Stainless Steel, Add	46.34	
			For Aluminum, Add	2.61	
			For Galvanized Steel, Add	8.98	
			For 304 Stainless Steel, Add	41.27	
05 12 23 00-0532	LF		C6 x 8.2 - 6" Wide Channel.....	26.86	10.25
			For >100 To 250, Deduct	-1.02	
			For >250 To 500, Deduct	-1.70	
			For >500 To 1,000, Deduct	-2.71	
			For >1,000, Deduct	-3.72	
			For 316 Stainless Steel, Add	42.24	
			For Aluminum, Add	2.38	
			For Galvanized Steel, Add	8.18	
			For 304 Stainless Steel, Add	37.62	
05 12 23 00-0533	LF		C6 x 10.5 - 6" Wide Channel.....	34.39	13.13
			For >100 To 250, Deduct	-1.31	
			For >250 To 500, Deduct	-2.17	
			For >500 To 1,000, Deduct	-3.47	
			For >1,000, Deduct	-4.77	
			For 316 Stainless Steel, Add	54.08	
			For Aluminum, Add	3.04	
			For Galvanized Steel, Add	10.48	
			For 304 Stainless Steel, Add	48.17	
05 12 23 00-0534	LF		C6 x 13 - 6" Wide Channel.....	42.59	16.25
			For >100 To 250, Deduct	-1.63	
			For >250 To 500, Deduct	-2.69	
			For >500 To 1,000, Deduct	-4.30	
			For >1,000, Deduct	-5.90	
			For 316 Stainless Steel, Add	66.94	
			For Aluminum, Add	3.77	
			For Galvanized Steel, Add	12.97	
			For 304 Stainless Steel, Add	59.62	
05 12 23 00-0535	LF		C7 x 9.8 - 7" Wide Channel.....	32.04	12.20
			For >100 To 250, Deduct	-1.22	
			For >250 To 500, Deduct	-2.02	
			For >500 To 1,000, Deduct	-3.23	
			For >1,000, Deduct	-4.44	
			For 316 Stainless Steel, Add	50.46	
			For Aluminum, Add	2.84	
			For Galvanized Steel, Add	9.78	
			For 304 Stainless Steel, Add	44.94	
05 12 23 00-0536	LF		C7 x 12.25 - 7" Wide Channel.....	40.04	15.25
			For >100 To 250, Deduct	-1.52	
			For >250 To 500, Deduct	-2.53	
			For >500 To 1,000, Deduct	-4.04	
			For >1,000, Deduct	-5.54	
			For 316 Stainless Steel, Add	63.07	
			For Aluminum, Add	3.55	
			For Galvanized Steel, Add	12.22	
			For 304 Stainless Steel, Add	56.17	
05 12 23 00-0537	LF		C7 x 14.75 - 7" Wide Channel.....	48.23	18.36
			For >100 To 250, Deduct	-1.84	
			For >250 To 500, Deduct	-3.04	
			For >500 To 1,000, Deduct	-4.86	
			For >1,000, Deduct	-6.68	
			For 316 Stainless Steel, Add	75.97	
			For Aluminum, Add	4.27	
			For Galvanized Steel, Add	14.72	
			For 304 Stainless Steel, Add	67.66	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0538 LF C8 x 11.5 - 8" Wide Channel.....	36.40	13.42
For >100 To 250, Deduct	-1.34	
For >250 To 500, Deduct	-2.25	
For >500 To 1,000, Deduct	-3.61	
For >1,000, Deduct	-4.97	
For 316 Stainless Steel, Add	59.23	
For Aluminum, Add	3.33	
For Galvanized Steel, Add	11.48	
For 304 Stainless Steel, Add	52.75	
05 12 23 00-0539 LF C8 x 13.75 - 8" Wide Channel.....	43.53	16.05
For >100 To 250, Deduct	-1.61	
For >250 To 500, Deduct	-2.69	
For >500 To 1,000, Deduct	-4.32	
For >1,000, Deduct	-5.94	
For 316 Stainless Steel, Add	70.82	
For Aluminum, Add	3.98	
For Galvanized Steel, Add	13.72	
For 304 Stainless Steel, Add	63.07	
05 12 23 00-0540 LF C8 x 18.75 - 8" Wide Channel.....	59.35	21.88
For >100 To 250, Deduct	-2.19	
For >250 To 500, Deduct	-3.67	
For >500 To 1,000, Deduct	-5.89	
For >1,000, Deduct	-8.10	
For 316 Stainless Steel, Add	96.54	
For Aluminum, Add	5.43	
For Galvanized Steel, Add	18.71	
For 304 Stainless Steel, Add	85.98	
05 12 23 00-0541 LF C9 x 13.4 - 9" Wide Channel.....	42.41	15.64
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-2.62	
For >500 To 1,000, Deduct	-4.21	
For >1,000, Deduct	-5.79	
For 316 Stainless Steel, Add	68.99	
For Aluminum, Add	3.88	
For Galvanized Steel, Add	13.37	
For 304 Stainless Steel, Add	61.45	
05 12 23 00-0542 LF C9 x 15 - 9" Wide Channel.....	47.48	17.50
For >100 To 250, Deduct	-1.75	
For >250 To 500, Deduct	-2.94	
For >500 To 1,000, Deduct	-4.71	
For >1,000, Deduct	-6.48	
For 316 Stainless Steel, Add	77.25	
For Aluminum, Add	4.35	
For Galvanized Steel, Add	14.97	
For 304 Stainless Steel, Add	68.80	
05 12 23 00-0543 LF C9 x 20 - 9" Wide Channel.....	63.30	23.34
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-3.92	
For >500 To 1,000, Deduct	-6.28	
For >1,000, Deduct	-8.64	
For 316 Stainless Steel, Add	102.98	
For Aluminum, Add	5.79	
For Galvanized Steel, Add	19.95	
For 304 Stainless Steel, Add	91.71	
05 12 23 00-0544 LF C10 x 15.3 - 10" Wide Channel.....	48.43	17.85
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-3.00	
For >500 To 1,000, Deduct	-4.80	
For >1,000, Deduct	-6.61	
For 316 Stainless Steel, Add	78.78	
For Aluminum, Add	4.43	
For Galvanized Steel, Add	15.26	
For 304 Stainless Steel, Add	70.17	
05 12 23 00-0545 LF C10 x 20 - 10" Wide Channel.....	63.30	23.34
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-3.92	
For >500 To 1,000, Deduct	-6.28	
For >1,000, Deduct	-8.64	
For 316 Stainless Steel, Add	102.98	
For Aluminum, Add	5.79	
For Galvanized Steel, Add	19.95	
For 304 Stainless Steel, Add	91.71	
05 12 23 00-0546 LF C10 x 25 - 10" Wide Channel.....	79.13	29.18
For >100 To 250, Deduct	-2.92	
For >250 To 500, Deduct	-4.90	
For >500 To 1,000, Deduct	-7.85	
For >1,000, Deduct	-10.80	
For 316 Stainless Steel, Add	128.74	
For Aluminum, Add	7.24	
For Galvanized Steel, Add	24.94	
For 304 Stainless Steel, Add	114.66	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0547	LF		C10 x 30 - 10" Wide Channel.....	94.96	35.01
			<i>For >100 To 250, Deduct</i>	-3.50	
			<i>For >250 To 500, Deduct</i>	-5.88	
			<i>For >500 To 1,000, Deduct</i>	-9.42	
			<i>For >1,000, Deduct</i>	-12.96	
			<i>For 316 Stainless Steel, Add</i>	154.50	
			<i>For Aluminum, Add</i>	8.69	
			<i>For Galvanized Steel, Add</i>	29.93	
			<i>For 304 Stainless Steel, Add</i>	137.60	
05 12 23 00-0548	LF		C12 x 20.7 - 12" Wide Channel.....	65.52	24.16
			<i>For >100 To 250, Deduct</i>	-2.42	
			<i>For >250 To 500, Deduct</i>	-4.05	
			<i>For >500 To 1,000, Deduct</i>	-6.50	
			<i>For >1,000, Deduct</i>	-8.94	
			<i>For 316 Stainless Steel, Add</i>	106.59	
			<i>For Aluminum, Add</i>	6.00	
			<i>For Galvanized Steel, Add</i>	20.65	
			<i>For 304 Stainless Steel, Add</i>	94.93	
05 12 23 00-0549	LF		C12 x 25 - 12" Wide Channel.....	79.13	29.18
			<i>For >100 To 250, Deduct</i>	-2.92	
			<i>For >250 To 500, Deduct</i>	-4.90	
			<i>For >500 To 1,000, Deduct</i>	-7.85	
			<i>For >1,000, Deduct</i>	-10.80	
			<i>For 316 Stainless Steel, Add</i>	128.74	
			<i>For Aluminum, Add</i>	7.24	
			<i>For Galvanized Steel, Add</i>	24.94	
			<i>For 304 Stainless Steel, Add</i>	114.66	
05 12 23 00-0550	LF		C12 x 30 - 12" Wide Channel.....	94.96	35.01
			<i>For >100 To 250, Deduct</i>	-3.50	
			<i>For >250 To 500, Deduct</i>	-5.88	
			<i>For >500 To 1,000, Deduct</i>	-9.42	
			<i>For >1,000, Deduct</i>	-12.96	
			<i>For 316 Stainless Steel, Add</i>	154.50	
			<i>For Aluminum, Add</i>	8.69	
			<i>For Galvanized Steel, Add</i>	29.93	
			<i>For 304 Stainless Steel, Add</i>	137.60	
05 12 23 00-0551	LF		C15 x 33.9 - 15" Wide Channel.....	107.30	39.56
			<i>For >100 To 250, Deduct</i>	-3.96	
			<i>For >250 To 500, Deduct</i>	-6.64	
			<i>For >500 To 1,000, Deduct</i>	-10.64	
			<i>For >1,000, Deduct</i>	-14.64	
			<i>For 316 Stainless Steel, Add</i>	174.56	
			<i>For Aluminum, Add</i>	9.82	
			<i>For Galvanized Steel, Add</i>	33.82	
			<i>For 304 Stainless Steel, Add</i>	155.47	
05 12 23 00-0552	LF		C15 x 40 - 15" Wide Channel.....	126.61	46.68
			<i>For >100 To 250, Deduct</i>	-4.67	
			<i>For >250 To 500, Deduct</i>	-7.83	
			<i>For >500 To 1,000, Deduct</i>	-12.55	
			<i>For >1,000, Deduct</i>	-17.28	
			<i>For 316 Stainless Steel, Add</i>	205.98	
			<i>For Aluminum, Add</i>	11.59	
			<i>For Galvanized Steel, Add</i>	39.91	
			<i>For 304 Stainless Steel, Add</i>	183.45	
05 12 23 00-0553	LF		C15 x 50 - 15" Wide Channel.....	158.27	58.34
			<i>For >100 To 250, Deduct</i>	-5.84	
			<i>For >250 To 500, Deduct</i>	-9.79	
			<i>For >500 To 1,000, Deduct</i>	-15.69	
			<i>For >1,000, Deduct</i>	-21.60	
			<i>For 316 Stainless Steel, Add</i>	257.47	
			<i>For Aluminum, Add</i>	14.48	
			<i>For Galvanized Steel, Add</i>	49.89	
			<i>For 304 Stainless Steel, Add</i>	229.31	
05 12 23 00-0554			Miscellaneous Channels - MC <small>(05 12 23 00-0408)</small>		
05 12 23 00-0555	LF		MC6 x 12 - 6" Wide Channel.....	39.31	15.00
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500 To 1,000, Deduct</i>	-3.97	
			<i>For >1,000, Deduct</i>	-5.45	
			<i>For 316 Stainless Steel, Add</i>	61.79	
			<i>For Aluminum, Add</i>	3.48	
			<i>For Galvanized Steel, Add</i>	11.97	
			<i>For 304 Stainless Steel, Add</i>	55.03	
05 12 23 00-0556	LF		MC6 x 15.1 - 6" Wide Channel.....	49.46	18.87
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-3.12	
			<i>For >500 To 1,000, Deduct</i>	-4.99	
			<i>For >1,000, Deduct</i>	-6.85	
			<i>For 316 Stainless Steel, Add</i>	77.76	
			<i>For Aluminum, Add</i>	4.37	
			<i>For Galvanized Steel, Add</i>	15.07	
			<i>For 304 Stainless Steel, Add</i>	69.26	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0557	LF		MC6 x 15.3 - 6" Wide Channel.....	50.12	19.12
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-3.17	
			<i>For >500 To 1,000, Deduct</i>	-5.06	
			<i>For >1,000, Deduct</i>	-6.95	
			<i>For 316 Stainless Steel, Add</i>	78.78	
			<i>For Aluminum, Add</i>	4.43	
			<i>For Galvanized Steel, Add</i>	15.26	
			<i>For 304 Stainless Steel, Add</i>	70.17	
05 12 23 00-0558	LF		MC6 x 16.3 - 6" Wide Channel.....	53.40	20.37
			<i>For >100 To 250, Deduct</i>	-2.04	
			<i>For >250 To 500, Deduct</i>	-3.37	
			<i>For >500 To 1,000, Deduct</i>	-5.39	
			<i>For >1,000, Deduct</i>	-7.40	
			<i>For 316 Stainless Steel, Add</i>	83.94	
			<i>For Aluminum, Add</i>	4.72	
			<i>For Galvanized Steel, Add</i>	16.26	
			<i>For 304 Stainless Steel, Add</i>	74.76	
05 12 23 00-0559	LF		MC6 x 18 - 6" Wide Channel.....	58.97	22.50
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-3.72	
			<i>For >500 To 1,000, Deduct</i>	-5.95	
			<i>For >1,000, Deduct</i>	-8.17	
			<i>For 316 Stainless Steel, Add</i>	92.70	
			<i>For Aluminum, Add</i>	5.21	
			<i>For Galvanized Steel, Add</i>	17.96	
			<i>For 304 Stainless Steel, Add</i>	82.56	
05 12 23 00-0560	LF		MC7 x 17.6 - 7" Wide Channel.....	57.54	21.92
			<i>For >100 To 250, Deduct</i>	-2.19	
			<i>For >250 To 500, Deduct</i>	-3.63	
			<i>For >500 To 1,000, Deduct</i>	-5.80	
			<i>For >1,000, Deduct</i>	-7.97	
			<i>For 316 Stainless Steel, Add</i>	90.62	
			<i>For Aluminum, Add</i>	5.10	
			<i>For Galvanized Steel, Add</i>	17.56	
			<i>For 304 Stainless Steel, Add</i>	80.71	
05 12 23 00-0561	LF		MC7 x 19.1 - 7" Wide Channel.....	62.46	23.79
			<i>For >100 To 250, Deduct</i>	-2.38	
			<i>For >250 To 500, Deduct</i>	-3.94	
			<i>For >500 To 1,000, Deduct</i>	-6.30	
			<i>For >1,000, Deduct</i>	-8.65	
			<i>For 316 Stainless Steel, Add</i>	98.37	
			<i>For Aluminum, Add</i>	5.53	
			<i>For Galvanized Steel, Add</i>	19.06	
			<i>For 304 Stainless Steel, Add</i>	87.61	
05 12 23 00-0562	LF		MC7 x 22.7 - 7" Wide Channel.....	74.22	28.26
			<i>For >100 To 250, Deduct</i>	-2.83	
			<i>For >250 To 500, Deduct</i>	-4.68	
			<i>For >500 To 1,000, Deduct</i>	-7.48	
			<i>For >1,000, Deduct</i>	-10.28	
			<i>For 316 Stainless Steel, Add</i>	116.90	
			<i>For Aluminum, Add</i>	6.58	
			<i>For Galvanized Steel, Add</i>	22.65	
			<i>For 304 Stainless Steel, Add</i>	104.11	
05 12 23 00-0563	LF		MC8 x 8.5 - 8" Wide Channel.....	26.91	9.92
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500 To 1,000, Deduct</i>	-2.67	
			<i>For >1,000, Deduct</i>	-3.67	
			<i>For 316 Stainless Steel, Add</i>	43.78	
			<i>For Aluminum, Add</i>	2.46	
			<i>For Galvanized Steel, Add</i>	8.48	
			<i>For 304 Stainless Steel, Add</i>	38.99	
05 12 23 00-0564	LF		MC8 x 18.7 - 8" Wide Channel.....	59.19	21.82
			<i>For >100 To 250, Deduct</i>	-2.18	
			<i>For >250 To 500, Deduct</i>	-3.66	
			<i>For >500 To 1,000, Deduct</i>	-5.87	
			<i>For >1,000, Deduct</i>	-8.08	
			<i>For 316 Stainless Steel, Add</i>	96.29	
			<i>For Aluminum, Add</i>	5.42	
			<i>For Galvanized Steel, Add</i>	18.66	
			<i>For 304 Stainless Steel, Add</i>	85.76	
05 12 23 00-0565	LF		MC8 x 20 - 8" Wide Channel.....	63.30	23.34
			<i>For >100 To 250, Deduct</i>	-2.33	
			<i>For >250 To 500, Deduct</i>	-3.92	
			<i>For >500 To 1,000, Deduct</i>	-6.28	
			<i>For >1,000, Deduct</i>	-8.64	
			<i>For 316 Stainless Steel, Add</i>	102.98	
			<i>For Aluminum, Add</i>	5.79	
			<i>For Galvanized Steel, Add</i>	19.95	
			<i>For 304 Stainless Steel, Add</i>	91.71	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0566	LF		MC8 x 21.4 - 8" Wide Channel.....	67.75	24.98
			<i>For >100 To 250, Deduct</i>	-2.50	
			<i>For >250 To 500, Deduct</i>	-4.19	
			<i>For >500 To 1,000, Deduct</i>	-6.72	
			<i>For >1,000, Deduct</i>	-9.25	
			<i>For 316 Stainless Steel, Add</i>	110.21	
			<i>For Aluminum, Add</i>	6.20	
			<i>For Galvanized Steel, Add</i>	21.35	
			<i>For 304 Stainless Steel, Add</i>	98.15	
05 12 23 00-0567	LF		MC8 x 22.8 - 8" Wide Channel.....	72.16	26.62
			<i>For >100 To 250, Deduct</i>	-2.66	
			<i>For >250 To 500, Deduct</i>	-4.46	
			<i>For >500 To 1,000, Deduct</i>	-7.16	
			<i>For >1,000, Deduct</i>	-9.85	
			<i>For 316 Stainless Steel, Add</i>	117.41	
			<i>For Aluminum, Add</i>	6.60	
			<i>For Galvanized Steel, Add</i>	22.75	
			<i>For 304 Stainless Steel, Add</i>	104.57	
05 12 23 00-0568	LF		MC9 x 23.9 - 9" Wide Channel.....	75.65	27.90
			<i>For >100 To 250, Deduct</i>	-2.79	
			<i>For >250 To 500, Deduct</i>	-4.68	
			<i>For >500 To 1,000, Deduct</i>	-7.50	
			<i>For >1,000, Deduct</i>	-10.32	
			<i>For 316 Stainless Steel, Add</i>	123.07	
			<i>For Aluminum, Add</i>	6.92	
			<i>For Galvanized Steel, Add</i>	23.85	
			<i>For 304 Stainless Steel, Add</i>	109.61	
05 12 23 00-0569	LF		MC9 x 25.4 - 9" Wide Channel.....	80.39	29.64
			<i>For >100 To 250, Deduct</i>	-2.96	
			<i>For >250 To 500, Deduct</i>	-4.97	
			<i>For >500 To 1,000, Deduct</i>	-7.97	
			<i>For >1,000, Deduct</i>	-10.97	
			<i>For 316 Stainless Steel, Add</i>	130.78	
			<i>For Aluminum, Add</i>	7.36	
			<i>For Galvanized Steel, Add</i>	25.34	
			<i>For 304 Stainless Steel, Add</i>	116.48	
05 12 23 00-0570	LF		MC10 x 6.5 - 10" Wide Channel.....	20.58	7.58
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500 To 1,000, Deduct</i>	-2.04	
			<i>For >1,000, Deduct</i>	-2.81	
			<i>For 316 Stainless Steel, Add</i>	33.47	
			<i>For Aluminum, Add</i>	1.88	
			<i>For Galvanized Steel, Add</i>	6.49	
			<i>For 304 Stainless Steel, Add</i>	29.81	
05 12 23 00-0571	LF		MC10 x 8.4 - 10" Wide Channel.....	26.59	9.80
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500 To 1,000, Deduct</i>	-2.64	
			<i>For >1,000, Deduct</i>	-3.63	
			<i>For 316 Stainless Steel, Add</i>	43.26	
			<i>For Aluminum, Add</i>	2.43	
			<i>For Galvanized Steel, Add</i>	8.38	
			<i>For 304 Stainless Steel, Add</i>	38.53	
05 12 23 00-0572	LF		MC10 x 21.9 - 10" Wide Channel.....	69.31	25.56
			<i>For >100 To 250, Deduct</i>	-2.56	
			<i>For >250 To 500, Deduct</i>	-4.29	
			<i>For >500 To 1,000, Deduct</i>	-6.87	
			<i>For >1,000, Deduct</i>	-9.46	
			<i>For 316 Stainless Steel, Add</i>	112.77	
			<i>For Aluminum, Add</i>	6.34	
			<i>For Galvanized Steel, Add</i>	21.85	
			<i>For 304 Stainless Steel, Add</i>	100.43	
05 12 23 00-0573	LF		MC10 x 24.9 - 10" Wide Channel.....	78.82	29.07
			<i>For >100 To 250, Deduct</i>	-2.91	
			<i>For >250 To 500, Deduct</i>	-4.88	
			<i>For >500 To 1,000, Deduct</i>	-7.82	
			<i>For >1,000, Deduct</i>	-10.76	
			<i>For 316 Stainless Steel, Add</i>	128.22	
			<i>For Aluminum, Add</i>	7.21	
			<i>For Galvanized Steel, Add</i>	24.84	
			<i>For 304 Stainless Steel, Add</i>	114.20	
05 12 23 00-0574	LF		MC10 x 25.3 - 10" Wide Channel.....	80.08	29.53
			<i>For >100 To 250, Deduct</i>	-2.95	
			<i>For >250 To 500, Deduct</i>	-4.95	
			<i>For >500 To 1,000, Deduct</i>	-7.94	
			<i>For >1,000, Deduct</i>	-10.93	
			<i>For 316 Stainless Steel, Add</i>	130.27	
			<i>For Aluminum, Add</i>	7.33	
			<i>For Galvanized Steel, Add</i>	25.24	
			<i>For 304 Stainless Steel, Add</i>	116.02	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0575 LF MC10 x 28.3 - 10" Wide Channel.....	89.59	33.02
For >100 To 250, Deduct	-3.30	
For >250 To 500, Deduct	-5.54	
For >500 To 1,000, Deduct	-8.88	
For >1,000, Deduct	-12.23	
For 316 Stainless Steel, Add	145.73	
For Aluminum, Add	8.20	
For Galvanized Steel, Add	28.23	
For 304 Stainless Steel, Add	129.79	
05 12 23 00-0576 LF MC10 x 28.5 - 10" Wide Channel.....	90.21	33.27
For >100 To 250, Deduct	-3.33	
For >250 To 500, Deduct	-5.58	
For >500 To 1,000, Deduct	-8.95	
For >1,000, Deduct	-12.31	
For 316 Stainless Steel, Add	146.75	
For Aluminum, Add	8.25	
For Galvanized Steel, Add	28.43	
For 304 Stainless Steel, Add	130.70	
05 12 23 00-0577 LF MC10 x 33.6 - 10" Wide Channel.....	106.36	39.22
For >100 To 250, Deduct	-3.92	
For >250 To 500, Deduct	-6.58	
For >500 To 1,000, Deduct	-10.55	
For >1,000, Deduct	-14.51	
For 316 Stainless Steel, Add	173.02	
For Aluminum, Add	9.73	
For Galvanized Steel, Add	33.52	
For 304 Stainless Steel, Add	154.10	
05 12 23 00-0578 LF MC10 x 41.1 - 10" Wide Channel.....	130.09	47.97
For >100 To 250, Deduct	-4.80	
For >250 To 500, Deduct	-8.05	
For >500 To 1,000, Deduct	-12.90	
For >1,000, Deduct	-17.75	
For 316 Stainless Steel, Add	211.65	
For Aluminum, Add	11.91	
For Galvanized Steel, Add	41.01	
For 304 Stainless Steel, Add	188.50	
05 12 23 00-0579 LF MC12 x 30.9 - 12" Wide Channel.....	97.81	36.06
For >100 To 250, Deduct	-3.61	
For >250 To 500, Deduct	-6.05	
For >500 To 1,000, Deduct	-9.70	
For >1,000, Deduct	-13.35	
For 316 Stainless Steel, Add	159.10	
For Aluminum, Add	8.95	
For Galvanized Steel, Add	30.83	
For 304 Stainless Steel, Add	141.70	
05 12 23 00-0580 LF MC12 x 32.9 - 12" Wide Channel.....	104.14	38.39
For >100 To 250, Deduct	-3.84	
For >250 To 500, Deduct	-6.44	
For >500 To 1,000, Deduct	-10.33	
For >1,000, Deduct	-14.21	
For 316 Stainless Steel, Add	169.41	
For Aluminum, Add	9.53	
For Galvanized Steel, Add	32.82	
For 304 Stainless Steel, Add	150.88	
05 12 23 00-0581 LF MC12 x 35 - 12" Wide Channel.....	110.78	40.84
For >100 To 250, Deduct	-4.08	
For >250 To 500, Deduct	-6.85	
For >500 To 1,000, Deduct	-10.99	
For >1,000, Deduct	-15.12	
For 316 Stainless Steel, Add	180.22	
For Aluminum, Add	10.14	
For Galvanized Steel, Add	34.92	
For 304 Stainless Steel, Add	160.51	
05 12 23 00-0582 LF MC12 x 37 - 12" Wide Channel.....	117.12	43.19
For >100 To 250, Deduct	-4.32	
For >250 To 500, Deduct	-7.25	
For >500 To 1,000, Deduct	-11.61	
For >1,000, Deduct	-15.98	
For 316 Stainless Steel, Add	190.53	
For Aluminum, Add	10.72	
For Galvanized Steel, Add	36.91	
For 304 Stainless Steel, Add	169.69	
05 12 23 00-0583 LF MC12 x 40 - 12" Wide Channel.....	126.61	46.68
For >100 To 250, Deduct	-4.67	
For >250 To 500, Deduct	-7.83	
For >500 To 1,000, Deduct	-12.55	
For >1,000, Deduct	-17.28	
For 316 Stainless Steel, Add	205.98	
For Aluminum, Add	11.59	
For Galvanized Steel, Add	39.91	
For 304 Stainless Steel, Add	183.45	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0584	LF		MC12 x 45 - 12" Wide Channel.....	142.44	52.52
			<i>For >100 To 250, Deduct</i>	-5.25	
			<i>For >250 To 500, Deduct</i>	-8.81	
			<i>For >500 To 1,000, Deduct</i>	-14.13	
			<i>For >1,000, Deduct</i>	-19.44	
			<i>For 316 Stainless Steel, Add</i>	231.71	
			<i>For Aluminum, Add</i>	13.03	
			<i>For Galvanized Steel, Add</i>	44.89	
			<i>For 304 Stainless Steel, Add</i>	206.37	
05 12 23 00-0585	LF		MC12 x 50 - 12" Wide Channel.....	158.27	58.36
			<i>For >100 To 250, Deduct</i>	-5.84	
			<i>For >250 To 500, Deduct</i>	-9.79	
			<i>For >500 To 1,000, Deduct</i>	-15.69	
			<i>For >1,000, Deduct</i>	-21.60	
			<i>For 316 Stainless Steel, Add</i>	257.47	
			<i>For Aluminum, Add</i>	14.48	
			<i>For Galvanized Steel, Add</i>	49.89	
			<i>For 304 Stainless Steel, Add</i>	229.31	
05 12 23 00-0586	LF		MC13 x 31.8 - 13" Wide Channel.....	100.66	37.12
			<i>For >100 To 250, Deduct</i>	-3.71	
			<i>For >250 To 500, Deduct</i>	-6.23	
			<i>For >500 To 1,000, Deduct</i>	-9.98	
			<i>For >1,000, Deduct</i>	-13.74	
			<i>For 316 Stainless Steel, Add</i>	163.74	
			<i>For Aluminum, Add</i>	9.21	
			<i>For Galvanized Steel, Add</i>	31.73	
			<i>For 304 Stainless Steel, Add</i>	145.83	
05 12 23 00-0587	LF		MC13 x 35 - 13" Wide Channel.....	110.78	40.84
			<i>For >100 To 250, Deduct</i>	-4.08	
			<i>For >250 To 500, Deduct</i>	-6.85	
			<i>For >500 To 1,000, Deduct</i>	-10.99	
			<i>For >1,000, Deduct</i>	-15.12	
			<i>For 316 Stainless Steel, Add</i>	180.22	
			<i>For Aluminum, Add</i>	10.14	
			<i>For Galvanized Steel, Add</i>	34.92	
			<i>For 304 Stainless Steel, Add</i>	160.51	
05 12 23 00-0588	LF		MC13 x 40 - 13" Wide Channel.....	126.61	46.68
			<i>For >100 To 250, Deduct</i>	-4.67	
			<i>For >250 To 500, Deduct</i>	-7.83	
			<i>For >500 To 1,000, Deduct</i>	-12.55	
			<i>For >1,000, Deduct</i>	-17.28	
			<i>For 316 Stainless Steel, Add</i>	205.98	
			<i>For Aluminum, Add</i>	11.59	
			<i>For Galvanized Steel, Add</i>	39.91	
			<i>For 304 Stainless Steel, Add</i>	183.45	
05 12 23 00-0589	LF		MC13 x 50 - 13" Wide Channel.....	158.27	58.36
			<i>For >100 To 250, Deduct</i>	-5.84	
			<i>For >250 To 500, Deduct</i>	-9.79	
			<i>For >500 To 1,000, Deduct</i>	-15.69	
			<i>For >1,000, Deduct</i>	-21.60	
			<i>For 316 Stainless Steel, Add</i>	257.47	
			<i>For Aluminum, Add</i>	14.48	
			<i>For Galvanized Steel, Add</i>	49.89	
			<i>For 304 Stainless Steel, Add</i>	229.31	
05 12 23 00-0590	LF		MC18 x 42.7 - 18" Wide Channel.....	135.16	49.83
			<i>For >100 To 250, Deduct</i>	-4.98	
			<i>For >250 To 500, Deduct</i>	-8.36	
			<i>For >500 To 1,000, Deduct</i>	-13.40	
			<i>For >1,000, Deduct</i>	-18.44	
			<i>For 316 Stainless Steel, Add</i>	219.87	
			<i>For Aluminum, Add</i>	12.37	
			<i>For Galvanized Steel, Add</i>	42.60	
			<i>For 304 Stainless Steel, Add</i>	195.82	
05 12 23 00-0591	LF		MC18 x 45.8 - 18" Wide Channel.....	144.97	53.46
			<i>For >100 To 250, Deduct</i>	-5.35	
			<i>For >250 To 500, Deduct</i>	-8.97	
			<i>For >500 To 1,000, Deduct</i>	-14.38	
			<i>For >1,000, Deduct</i>	-19.78	
			<i>For 316 Stainless Steel, Add</i>	235.84	
			<i>For Aluminum, Add</i>	13.27	
			<i>For Galvanized Steel, Add</i>	45.69	
			<i>For 304 Stainless Steel, Add</i>	210.05	
05 12 23 00-0592	LF		MC18 x 51.9 - 18" Wide Channel.....	164.29	60.57
			<i>For >100 To 250, Deduct</i>	-6.06	
			<i>For >250 To 500, Deduct</i>	-10.17	
			<i>For >500 To 1,000, Deduct</i>	-16.29	
			<i>For >1,000, Deduct</i>	-22.42	
			<i>For 316 Stainless Steel, Add</i>	267.26	
			<i>For Aluminum, Add</i>	15.03	
			<i>For Galvanized Steel, Add</i>	51.78	
			<i>For 304 Stainless Steel, Add</i>	238.03	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0593 LF MC18 x 58 - 18" Wide Channel.....	183.58	67.68
For >100 To 250, Deduct	-6.77	
For >250 To 500, Deduct	-11.36	
For >500 To 1,000, Deduct	-18.20	
For >1,000, Deduct	-25.05	
For 316 Stainless Steel, Add	298.66	
For Aluminum, Add	16.80	
For Galvanized Steel, Add	57.86	
For 304 Stainless Steel, Add	265.99	
05 12 23 00-0594 Structural Bar Tees (05 12 23 00-0408)		
05 12 23 00-0595 LF 3/4" x 3/4" x 1/8" Structural Bar Tee.....	5.44	3.10
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.45	
For >500 To 1,000, Deduct	-0.69	
For >1,000, Deduct	-0.93	
For 316 Stainless Steel, Add	4.16	
For Aluminum, Add	0.23	
For Galvanized Steel, Add	0.81	
For 304 Stainless Steel, Add	3.71	
05 12 23 00-0596 LF 1" x 1" x 1/8" Structural Bar Tee	6.66	3.66
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.53	
For >500 To 1,000, Deduct	-0.82	
For >1,000, Deduct	-1.11	
For 316 Stainless Steel, Add	5.70	
For Aluminum, Add	0.32	
For Galvanized Steel, Add	1.10	
For 304 Stainless Steel, Add	5.07	
05 12 23 00-0597 LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	10.74	4.23
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.69	
For >500 To 1,000, Deduct	-1.10	
For >1,000, Deduct	-1.51	
For 316 Stainless Steel, Add	16.32	
For Aluminum, Add	0.92	
For Galvanized Steel, Add	3.16	
For 304 Stainless Steel, Add	14.54	
05 12 23 00-0598 LF 2" x 2" x 1/4" Structural Bar Tee	14.97	5.53
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.93	
For >500 To 1,000, Deduct	-1.49	
For >1,000, Deduct	-2.04	
For 316 Stainless Steel, Add	24.32	
For Aluminum, Add	1.37	
For Galvanized Steel, Add	4.71	
For 304 Stainless Steel, Add	21.66	
05 12 23 00-0599 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	22.55	6.67
For >100 To 250, Deduct	-0.67	
For >250 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-2.02	
For >1,000, Deduct	-2.80	
For 316 Stainless Steel, Add	43.68	
For Aluminum, Add	2.46	
For Galvanized Steel, Add	8.46	
For 304 Stainless Steel, Add	38.90	
05 12 23 00-0600 LF 3" x 3" x 3/8" Structural Bar Tee	27.76	8.54
For >100 To 250, Deduct	-0.85	
For >250 To 500, Deduct	-1.55	
For >500 To 1,000, Deduct	-2.53	
For >1,000, Deduct	-3.50	
For 316 Stainless Steel, Add	52.42	
For Aluminum, Add	2.95	
For Galvanized Steel, Add	10.16	
For 304 Stainless Steel, Add	46.68	
05 12 23 00-0601 Structural Zees (05 12 23 00-0408)		
05 12 23 00-0602 LF 1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee.....	13.25	4.23
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.75	
For >500 To 1,000, Deduct	-1.23	
For >1,000, Deduct	-1.70	
For 316 Stainless Steel, Add	24.35	
For Aluminum, Add	1.37	
For Galvanized Steel, Add	4.72	
For 304 Stainless Steel, Add	21.69	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0603	LF		2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	24.92	5.04
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500 To 1,000, Deduct</i>	-1.92	
			<i>For >1,000, Deduct</i>	-2.71	
			<i>For 316 Stainless Steel, Add</i>	58.24	
			<i>For Aluminum, Add</i>	3.28	
			<i>For Galvanized Steel, Add</i>	11.28	
			<i>For 304 Stainless Steel, Add</i>	51.87	
05 12 23 00-0604	LF		3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	29.87	5.69
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500 To 1,000, Deduct</i>	-2.25	
			<i>For >1,000, Deduct</i>	-3.19	
			<i>For 316 Stainless Steel, Add</i>	71.30	
			<i>For Aluminum, Add</i>	4.01	
			<i>For Galvanized Steel, Add</i>	13.81	
			<i>For 304 Stainless Steel, Add</i>	63.50	
05 12 23 00-0605	LF		3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	40.19	6.51
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500 To 1,000, Deduct</i>	-2.88	
			<i>For >1,000, Deduct</i>	-4.10	
			<i>For 316 Stainless Steel, Add</i>	100.86	
			<i>For Aluminum, Add</i>	5.67	
			<i>For Galvanized Steel, Add</i>	19.54	
			<i>For 304 Stainless Steel, Add</i>	89.83	
05 12 23 00-0606	LF		3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	52.10	7.08
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500 To 1,000, Deduct</i>	-3.55	
			<i>For >1,000, Deduct</i>	-5.09	
			<i>For 316 Stainless Steel, Add</i>	136.51	
			<i>For Aluminum, Add</i>	7.68	
			<i>For Galvanized Steel, Add</i>	26.45	
			<i>For 304 Stainless Steel, Add</i>	121.58	
05 12 23 00-0607			Junior I-Beams <small>(05 12 23 00-0408)</small>		
05 12 23 00-0608	LF		3" Junior I-Beam, 2.9 LB/LF.....	18.16	6.10
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500 To 1,000, Deduct</i>	-1.72	
			<i>For >1,000, Deduct</i>	-2.38	
			<i>For 316 Stainless Steel, Add</i>	32.10	
			<i>For Aluminum, Add</i>	1.81	
			<i>For Galvanized Steel, Add</i>	6.22	
			<i>For 304 Stainless Steel, Add</i>	28.59	
05 12 23 00-0609	LF		4" Junior I-Beam, 3.2 LB/LF.....	19.97	6.67
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500 To 1,000, Deduct</i>	-1.89	
			<i>For >1,000, Deduct</i>	-2.61	
			<i>For 316 Stainless Steel, Add</i>	35.42	
			<i>For Aluminum, Add</i>	1.99	
			<i>For Galvanized Steel, Add</i>	6.86	
			<i>For 304 Stainless Steel, Add</i>	31.55	
05 12 23 00-0610	LF		5" Junior I-Beam, 3.8 LB/LF.....	22.90	7.32
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500 To 1,000, Deduct</i>	-2.12	
			<i>For >1,000, Deduct</i>	-2.94	
			<i>For 316 Stainless Steel, Add</i>	42.05	
			<i>For Aluminum, Add</i>	2.37	
			<i>For Galvanized Steel, Add</i>	8.15	
			<i>For 304 Stainless Steel, Add</i>	37.45	
05 12 23 00-0611	LF		6" Junior I-Beam, 4.4 LB/LF.....	25.84	7.97
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.44	
			<i>For >500 To 1,000, Deduct</i>	-2.36	
			<i>For >1,000, Deduct</i>	-3.27	
			<i>For 316 Stainless Steel, Add</i>	48.67	
			<i>For Aluminum, Add</i>	2.74	
			<i>For Galvanized Steel, Add</i>	9.43	
			<i>For 304 Stainless Steel, Add</i>	43.35	
05 12 23 00-0612	LF		7" Junior I-Beam, 5.5 LB/LF.....	30.40	8.54
			<i>For >100 To 250, Deduct</i>	-0.85	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500 To 1,000, Deduct</i>	-2.66	
			<i>For >1,000, Deduct</i>	-3.70	
			<i>For 316 Stainless Steel, Add</i>	60.86	
			<i>For Aluminum, Add</i>	3.42	
			<i>For Galvanized Steel, Add</i>	11.79	
			<i>For 304 Stainless Steel, Add</i>	54.21	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0613 LF 8" Junior I-Beam, 6.5 LB/LF.....	34.62	9.11
For >100 To 250, Deduct	-0.91	
For >250 To 500, Deduct	-1.78	
For >500 To 1,000, Deduct	-2.95	
For >1,000, Deduct	-4.11	
For 316 Stainless Steel, Add	71.94	
For Aluminum, Add	4.05	
For Galvanized Steel, Add	13.94	
For 304 Stainless Steel, Add	64.07	
05 12 23 00-0614 LF 10" Junior I-Beam, 9 LB/LF.....	45.00	10.41
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-2.17	
For >500 To 1,000, Deduct	-3.64	
For >1,000, Deduct	-5.11	
For 316 Stainless Steel, Add	99.58	
For Aluminum, Add	5.60	
For Galvanized Steel, Add	19.29	
For 304 Stainless Steel, Add	88.69	
05 12 23 00-0615 LF 12" Junior I-Beam, 11.8 LB/LF.....	57.28	12.36
For >100 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-2.67	
For >500 To 1,000, Deduct	-4.51	
For >1,000, Deduct	-6.36	
For 316 Stainless Steel, Add	130.56	
For Aluminum, Add	7.34	
For Galvanized Steel, Add	25.30	
For 304 Stainless Steel, Add	116.28	
05 12 23 00-0616 Round Stock <small>(05 12 23 00-0408)</small>		
05 12 23 00-0617 LF 1/4" Carbon Steel Rounds, ASTM A108.....	2.44	
For 316 Stainless Steel, Add	4.32	
For Aluminum, Add	0.24	
For Galvanized Steel, Add	0.84	
For 304 Stainless Steel, Add	3.85	
05 12 23 00-0618 LF 3/8" Carbon Steel Rounds, ASTM A108.....	3.88	
For 316 Stainless Steel, Add	8.48	
For Aluminum, Add	0.48	
For Galvanized Steel, Add	1.64	
For 304 Stainless Steel, Add	7.55	
05 12 23 00-0619 LF 1/2" Carbon Steel Rounds, ASTM A108.....	5.40	
For 316 Stainless Steel, Add	12.93	
For Aluminum, Add	0.73	
For Galvanized Steel, Add	2.50	
For 304 Stainless Steel, Add	11.51	
05 12 23 00-0620 LF 5/8" Carbon Steel Rounds, ASTM A108.....	8.24	
For 316 Stainless Steel, Add	21.54	
For Aluminum, Add	1.21	
For Galvanized Steel, Add	4.17	
For 304 Stainless Steel, Add	19.18	
05 12 23 00-0621 LF 3/4" Carbon Steel Rounds, ASTM A108.....	9.80	
For 316 Stainless Steel, Add	25.60	
For Aluminum, Add	1.44	
For Galvanized Steel, Add	4.96	
For 304 Stainless Steel, Add	22.80	
05 12 23 00-0622 LF 7/8" Carbon Steel Rounds, ASTM A108.....	11.44	
For 316 Stainless Steel, Add	29.92	
For Aluminum, Add	1.68	
For Galvanized Steel, Add	5.80	
For 304 Stainless Steel, Add	26.65	
05 12 23 00-0623 LF 1" Carbon Steel Rounds, ASTM A108.....	16.71	
For 316 Stainless Steel, Add	45.57	
For Aluminum, Add	2.56	
For Galvanized Steel, Add	8.83	
For 304 Stainless Steel, Add	40.58	
05 12 23 00-0624 LF 1-1/8" Carbon Steel Rounds, ASTM A108.....	20.31	
For 316 Stainless Steel, Add	55.36	
For Aluminum, Add	3.11	
For Galvanized Steel, Add	10.73	
For 304 Stainless Steel, Add	49.31	
05 12 23 00-0625 LF 1-1/4" Carbon Steel Rounds, ASTM A108.....	24.23	
For 316 Stainless Steel, Add	65.15	
For Aluminum, Add	3.66	
For Galvanized Steel, Add	12.62	
For 304 Stainless Steel, Add	58.03	
05 12 23 00-0626 LF 1-3/8" Carbon Steel Rounds, ASTM A108.....	29.37	
For 316 Stainless Steel, Add	79.52	
For Aluminum, Add	4.47	
For Galvanized Steel, Add	15.41	
For 304 Stainless Steel, Add	70.82	
05 12 23 00-0627 LF 1-1/2" Carbon Steel Rounds, ASTM A108.....	32.68	
For 316 Stainless Steel, Add	87.23	
For Aluminum, Add	4.91	
For Galvanized Steel, Add	16.90	
For 304 Stainless Steel, Add	77.69	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0628 LF 1-5/8" Carbon Steel Rounds, ASTM A108	37.67	
For 316 Stainless Steel, Add	98.85	
For Aluminum, Add	5.56	
For Galvanized Steel, Add	19.15	
For 304 Stainless Steel, Add	88.04	
05 12 23 00-0629 LF 1-3/4" Carbon Steel Rounds, ASTM A108	44.99	
For 316 Stainless Steel, Add	115.04	
For Aluminum, Add	6.47	
For Galvanized Steel, Add	22.29	
For 304 Stainless Steel, Add	102.46	
05 12 23 00-0630 LF 1-7/8" Carbon Steel Rounds, ASTM A108	54.05	
For 316 Stainless Steel, Add	134.78	
For Aluminum, Add	7.58	
For Galvanized Steel, Add	26.11	
For 304 Stainless Steel, Add	120.04	
05 12 23 00-0631 LF 2" Carbon Steel Rounds, ASTM A108	61.68	
For 316 Stainless Steel, Add	149.92	
For Aluminum, Add	8.43	
For Galvanized Steel, Add	29.05	
For 304 Stainless Steel, Add	133.52	
05 12 23 00-0632 LF 2-1/8" Carbon Steel Rounds, ASTM A108	71.94	
For 316 Stainless Steel, Add	171.20	
For Aluminum, Add	9.63	
For Galvanized Steel, Add	33.17	
For 304 Stainless Steel, Add	152.48	
05 12 23 00-0633 LF 2-1/4" Carbon Steel Rounds, ASTM A108	81.35	
For 316 Stainless Steel, Add	192.51	
For Aluminum, Add	10.83	
For Galvanized Steel, Add	37.30	
For 304 Stainless Steel, Add	171.46	
05 12 23 00-0634 LF 2-3/8" Carbon Steel Rounds, ASTM A108	93.18	
For 316 Stainless Steel, Add	220.19	
For Aluminum, Add	12.39	
For Galvanized Steel, Add	42.66	
For 304 Stainless Steel, Add	196.11	
05 12 23 00-0635 LF 2-1/2" Carbon Steel Rounds, ASTM A108	102.76	
For 316 Stainless Steel, Add	237.28	
For Aluminum, Add	13.35	
For Galvanized Steel, Add	45.97	
For 304 Stainless Steel, Add	211.33	
05 12 23 00-0636 LF 2-5/8" Carbon Steel Rounds, ASTM A108	125.98	
For 316 Stainless Steel, Add	301.41	
For Aluminum, Add	16.95	
For Galvanized Steel, Add	58.40	
For 304 Stainless Steel, Add	268.44	
05 12 23 00-0637 LF 2-3/4" Carbon Steel Rounds, ASTM A108	143.44	
For 316 Stainless Steel, Add	343.71	
For Aluminum, Add	19.33	
For Galvanized Steel, Add	66.59	
For 304 Stainless Steel, Add	306.12	
05 12 23 00-0638 LF 2-7/8" Carbon Steel Rounds, ASTM A108	159.98	
For 316 Stainless Steel, Add	383.04	
For Aluminum, Add	21.55	
For Galvanized Steel, Add	74.21	
For 304 Stainless Steel, Add	341.15	
05 12 23 00-0639 LF 3" Carbon Steel Rounds, ASTM A108	167.80	
For 316 Stainless Steel, Add	394.53	
For Aluminum, Add	22.19	
For Galvanized Steel, Add	76.44	
For 304 Stainless Steel, Add	351.38	
05 12 23 00-0640 LF 3-1/8" Carbon Steel Rounds, ASTM A108	174.77	
For 316 Stainless Steel, Add	403.26	
For Aluminum, Add	22.68	
For Galvanized Steel, Add	78.13	
For 304 Stainless Steel, Add	359.16	
05 12 23 00-0641 LF 3-1/4" Carbon Steel Rounds, ASTM A108	184.16	
For 316 Stainless Steel, Add	419.74	
For Aluminum, Add	23.61	
For Galvanized Steel, Add	81.33	
For 304 Stainless Steel, Add	373.83	
05 12 23 00-0642 LF 3-1/2" Carbon Steel Rounds, ASTM A108	224.72	
For 316 Stainless Steel, Add	532.58	
For Aluminum, Add	29.96	
For Galvanized Steel, Add	103.19	
For 304 Stainless Steel, Add	474.33	
05 12 23 00-0643 LF 3-5/8" Carbon Steel Rounds, ASTM A108	249.77	
For 316 Stainless Steel, Add	595.78	
For Aluminum, Add	33.51	
For Galvanized Steel, Add	115.43	
For 304 Stainless Steel, Add	530.61	
05 12 23 00-0644 LF 3-3/4" Carbon Steel Rounds, ASTM A108	268.05	
For 316 Stainless Steel, Add	637.31	
For Aluminum, Add	35.85	
For Galvanized Steel, Add	123.48	
For 304 Stainless Steel, Add	567.61	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0645 LF 4" Carbon Steel Rounds, ASTM A108	300.94	
For 316 Stainless Steel, Add	725.60	
For Aluminum, Add	40.82	
For Galvanized Steel, Add	140.59	
For 304 Stainless Steel, Add	646.24	
05 12 23 00-0646 Square Stock <small>(05 12 23 00-0408)</small>		
05 12 23 00-0647 LF 3/8" Square Bar Stock.....	2.00	
For 316 Stainless Steel, Add	2.46	
For Aluminum, Add	0.14	
For Galvanized Steel, Add	0.48	
For 304 Stainless Steel, Add	2.19	
05 12 23 00-0648 LF 1/2" Square Bar Stock.....	2.72	
For 316 Stainless Steel, Add	4.35	
For Aluminum, Add	0.24	
For Galvanized Steel, Add	0.84	
For 304 Stainless Steel, Add	3.88	
05 12 23 00-0649 LF 5/8" Square Bar Stock.....	3.63	
For 316 Stainless Steel, Add	6.78	
For Aluminum, Add	0.38	
For Galvanized Steel, Add	1.31	
For 304 Stainless Steel, Add	6.04	
05 12 23 00-0650 LF 3/4" Square Bar Stock.....	4.86	
For 316 Stainless Steel, Add	9.79	
For Aluminum, Add	0.55	
For Galvanized Steel, Add	1.90	
For 304 Stainless Steel, Add	8.72	
05 12 23 00-0651 LF 7/8" Square Bar Stock.....	6.36	
For 316 Stainless Steel, Add	13.66	
For Aluminum, Add	0.77	
For Galvanized Steel, Add	2.65	
For 304 Stainless Steel, Add	12.17	
05 12 23 00-0652 LF 1" Square Bar Stock.....	7.93	
For 316 Stainless Steel, Add	17.47	
For Aluminum, Add	0.98	
For Galvanized Steel, Add	3.39	
For 304 Stainless Steel, Add	15.56	
05 12 23 00-0653 LF 1-1/4" Square Bar Stock	12.39	
For 316 Stainless Steel, Add	27.26	
For Aluminum, Add	1.53	
For Galvanized Steel, Add	5.28	
For 304 Stainless Steel, Add	24.28	
05 12 23 00-0654 LF 1-1/2" Square Bar Stock	17.70	
For 316 Stainless Steel, Add	39.30	
For Aluminum, Add	2.21	
For Galvanized Steel, Add	7.61	
For 304 Stainless Steel, Add	35.00	
05 12 23 00-0655 LF 1-3/4" Square Bar Stock	26.11	
For 316 Stainless Steel, Add	54.62	
For Aluminum, Add	3.07	
For Galvanized Steel, Add	10.58	
For 304 Stainless Steel, Add	48.65	
05 12 23 00-0656 LF 2" Square Bar Stock.....	37.01	
For 316 Stainless Steel, Add	69.86	
For Aluminum, Add	3.93	
For Galvanized Steel, Add	13.53	
For 304 Stainless Steel, Add	62.22	
05 12 23 00-0657 Steel Tubing <small>(05 12 23 00-0408)</small>		
Note: General purpose low-carbon steel.		
05 12 23 00-0658 Square Steel Tubing <small>(05 12 23 00-0657)</small>		
05 12 23 00-0659 0.06" Wall Thickness <small>(05 12 23 00-0658)</small>		
05 12 23 00-0660 LF 1/2" x 1/2" x 0.06" Square Steel Tubing.....	2.79	0.58
For >100 To 250, Deduct	-0.06	
For >250 To 500, Deduct	-0.13	
For >500 To 1,000, Deduct	-0.22	
For >1,000, Deduct	-0.31	
For Galvanized Steel, Add	1.25	
05 12 23 00-0661 LF 3/4" x 3/4" x 0.06" Square Steel Tubing.....	4.28	0.92
For >100 To 250, Deduct	-0.09	
For >250 To 500, Deduct	-0.20	
For >500 To 1,000, Deduct	-0.34	
For >1,000, Deduct	-0.47	
For Galvanized Steel, Add	1.90	
05 12 23 00-0662 LF 1" x 1" x 0.06" Square Steel Tubing.....	5.75	1.66
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.27	
For >500 To 1,000, Deduct	-0.45	
For >1,000, Deduct	-0.64	
For Galvanized Steel, Add	2.54	

05	05 Metals
	05 10 Structural Metal Framing
	05 12 Structural Steel Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0663 LF 1-1/4" x 1-1/4" x 0.06" Square Steel Tubing.....	7.61	1.58
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.59	
For >1,000, Deduct	-0.83	
For Galvanized Steel, Add	3.41	
05 12 23 00-0664 LF 1-1/2" x 1-1/2" x 0.06" Square Steel Tubing.....	9.01	1.91
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.42	
For >500 To 1,000, Deduct	-0.71	
For >1,000, Deduct	-0.99	
For Galvanized Steel, Add	4.01	
05 12 23 00-0665 0.083" Wall Thickness (05 12 23 00-0658)		
05 12 23 00-0666 LF 3/4" x 3/4" x 0.083" Square Steel Tubing.....	4.98	1.08
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.39	
For >1,000, Deduct	-0.55	
For Galvanized Steel, Add	2.20	
05 12 23 00-0667 LF 1" x 1" x 0.083" Square Steel Tubing.....	7.26	1.47
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.56	
For >1,000, Deduct	-0.79	
For Galvanized Steel, Add	3.29	
05 12 23 00-0668 LF 1-1/4" x 1-1/4" x 0.083" Square Steel Tubing.....	8.76	1.87
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.41	
For >500 To 1,000, Deduct	-0.69	
For >1,000, Deduct	-0.97	
For Galvanized Steel, Add	3.88	
05 12 23 00-0669 LF 1-1/2" x 1-1/2" x 0.083" Square Steel Tubing.....	10.59	2.28
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.49	
For >500 To 1,000, Deduct	-0.83	
For >1,000, Deduct	-1.17	
For Galvanized Steel, Add	4.68	
05 12 23 00-0670 LF 2" x 2" x 0.083" Square Steel Tubing.....	13.56	3.04
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.64	
For >500 To 1,000, Deduct	-1.08	
For >1,000, Deduct	-1.52	
For Galvanized Steel, Add	5.90	
05 12 23 00-0671 0.12" Wall Thickness (05 12 23 00-0658)		
05 12 23 00-0672 LF 1" x 1" x 0.12" Square Steel Tubing.....	7.99	1.75
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.38	
For >500 To 1,000, Deduct	-0.63	
For >1,000, Deduct	-0.89	
For Galvanized Steel, Add	3.50	
05 12 23 00-0673 LF 1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	10.29	2.26
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.81	
For >1,000, Deduct	-1.15	
For Galvanized Steel, Add	4.52	
05 12 23 00-0674 LF 1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	12.64	2.75
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.59	
For >500 To 1,000, Deduct	-1.00	
For >1,000, Deduct	-1.41	
For Galvanized Steel, Add	5.56	
05 12 23 00-0675 LF 2" x 2" x 0.12" Square Steel Tubing.....	17.11	3.75
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.80	
For >500 To 1,000, Deduct	-1.36	
For >1,000, Deduct	-1.91	
For Galvanized Steel, Add	7.51	
05 12 23 00-0676 1/8" Wall Thickness (05 12 23 00-0658)		
05 12 23 00-0677 LF 2" x 2" x 1/8" Square Steel Tubing.....	15.28	3.89
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.77	
For >500 To 1,000, Deduct	-1.28	
For >1,000, Deduct	-1.79	
For Galvanized Steel, Add	6.26	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0678	LF		2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	20.21	4.93
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500 To 1,000, Deduct</i>	-1.67	
			<i>For >1,000, Deduct</i>	-2.34	
			<i>For Galvanized Steel, Add</i>	8.45	
05 12 23 00-0679	LF		3" x 3" x 1/8" Square Steel Tubing.....	23.64	5.96
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500 To 1,000, Deduct</i>	-1.98	
			<i>For >1,000, Deduct</i>	-2.77	
			<i>For Galvanized Steel, Add</i>	9.72	
05 12 23 00-0680	LF		3-1/2" x 3-1/2" x 1/8" Square Steel Tubing.....	27.37	7.01
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500 To 1,000, Deduct</i>	-2.30	
			<i>For >1,000, Deduct</i>	-3.22	
			<i>For Galvanized Steel, Add</i>	11.18	
05 12 23 00-0681	LF		4" x 4" x 1/8" Square Steel Tubing.....	30.09	8.05
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500 To 1,000, Deduct</i>	-2.58	
			<i>For >1,000, Deduct</i>	-3.60	
			<i>For Galvanized Steel, Add</i>	12.00	
05 12 23 00-0682			3/16" Wall Thickness (05 12 23 00-0658)		
05 12 23 00-0683	LF		2" x 2" x 3/16" Square Steel Tubing.....	17.34	4.39
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500 To 1,000, Deduct</i>	-1.45	
			<i>For >1,000, Deduct</i>	-2.03	
			<i>For Galvanized Steel, Add</i>	7.12	
05 12 23 00-0684	LF		2-1/2" x 2-1/2" x 3/16" Square Steel Tubing.....	22.44	5.68
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500 To 1,000, Deduct</i>	-1.88	
			<i>For >1,000, Deduct</i>	-2.63	
			<i>For Galvanized Steel, Add</i>	9.21	
05 12 23 00-0685	LF		3" x 3" x 3/16" Square Steel Tubing.....	27.58	6.98
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500 To 1,000, Deduct</i>	-2.31	
			<i>For >1,000, Deduct</i>	-3.23	
			<i>For Galvanized Steel, Add</i>	11.33	
05 12 23 00-0686	LF		3-1/2" x 3-1/2" x 3/16" Square Steel Tubing.....	32.72	8.28
			<i>For >100 To 250, Deduct</i>	-0.83	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500 To 1,000, Deduct</i>	-2.74	
			<i>For >1,000, Deduct</i>	-3.84	
			<i>For Galvanized Steel, Add</i>	13.44	
05 12 23 00-0687	LF		4" x 4" x 3/16" Square Steel Tubing.....	37.82	9.58
			<i>For >100 To 250, Deduct</i>	-0.96	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500 To 1,000, Deduct</i>	-3.17	
			<i>For >1,000, Deduct</i>	-4.43	
			<i>For Galvanized Steel, Add</i>	15.53	
05 12 23 00-0688	LF		4-1/2" x 4-1/2" x 3/16" Square Steel Tubing.....	42.96	10.88
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500 To 1,000, Deduct</i>	-3.60	
			<i>For >1,000, Deduct</i>	-5.04	
			<i>For Galvanized Steel, Add</i>	17.64	
05 12 23 00-0689	LF		5" x 5" x 3/16" Square Steel Tubing.....	48.06	12.17
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-2.42	
			<i>For >500 To 1,000, Deduct</i>	-4.03	
			<i>For >1,000, Deduct</i>	-5.63	
			<i>For Galvanized Steel, Add</i>	19.73	
05 12 23 00-0690	LF		6" x 6" x 3/16" Square Steel Tubing.....	58.33	14.77
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-2.94	
			<i>For >500 To 1,000, Deduct</i>	-4.89	
			<i>For >1,000, Deduct</i>	-6.84	
			<i>For Galvanized Steel, Add</i>	23.95	
05 12 23 00-0691			1/4" Wall Thickness (05 12 23 00-0658)		
05 12 23 00-0692	LF		2" x 2" x 1/4" Square Steel Tubing.....	18.56	4.40
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.90	
			<i>For >500 To 1,000, Deduct</i>	-1.51	
			<i>For >1,000, Deduct</i>	-2.12	
			<i>For Galvanized Steel, Add</i>	7.87	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0693	LF		2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	24.39	5.78
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500 To 1,000, Deduct</i>	-1.99	
			<i>For >1,000, Deduct</i>	-2.79	
			<i>For Galvanized Steel, Add</i>	10.34	
05 12 23 00-0694	LF		3" x 3" x 1/4" Square Steel Tubing.....	30.22	7.16
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500 To 1,000, Deduct</i>	-2.47	
			<i>For >1,000, Deduct</i>	-3.46	
			<i>For Galvanized Steel, Add</i>	12.82	
05 12 23 00-0695	LF		3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	36.05	8.55
			<i>For >100 To 250, Deduct</i>	-0.85	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500 To 1,000, Deduct</i>	-2.94	
			<i>For >1,000, Deduct</i>	-4.13	
			<i>For Galvanized Steel, Add</i>	15.29	
05 12 23 00-0696	LF		4" x 4" x 1/4" Square Steel Tubing.....	41.89	9.93
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500 To 1,000, Deduct</i>	-3.42	
			<i>For >1,000, Deduct</i>	-4.80	
			<i>For Galvanized Steel, Add</i>	17.76	
05 12 23 00-0697	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	47.72	11.31
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-2.32	
			<i>For >500 To 1,000, Deduct</i>	-3.89	
			<i>For >1,000, Deduct</i>	-5.46	
			<i>For Galvanized Steel, Add</i>	20.24	
05 12 23 00-0698	LF		5" x 5" x 1/4" Square Steel Tubing.....	53.59	12.70
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-2.61	
			<i>For >500 To 1,000, Deduct</i>	-4.37	
			<i>For >1,000, Deduct</i>	-6.14	
			<i>For Galvanized Steel, Add</i>	22.72	
05 12 23 00-0699	LF		6" x 6" x 1/4" Square Steel Tubing.....	65.25	15.47
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-3.18	
			<i>For >500 To 1,000, Deduct</i>	-5.32	
			<i>For >1,000, Deduct</i>	-7.47	
			<i>For Galvanized Steel, Add</i>	27.67	
05 12 23 00-0700			Rectangular Steel Tubing (05 12 23 00-0697)		
05 12 23 00-0701			3/16" Wall Thickness (05 12 23 00-0700)		
05 12 23 00-0702	LF		3" x 2" x 3/16" Square Steel Tubing.....	22.44	5.68
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500 To 1,000, Deduct</i>	-1.88	
			<i>For >1,000, Deduct</i>	-2.63	
			<i>For Galvanized Steel, Add</i>	9.21	
05 12 23 00-0703	LF		4" x 2" x 3/16" Square Steel Tubing.....	27.58	6.98
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500 To 1,000, Deduct</i>	-2.31	
			<i>For >1,000, Deduct</i>	-3.23	
			<i>For Galvanized Steel, Add</i>	11.33	
05 12 23 00-0704	LF		4" x 3" x 3/16" Square Steel Tubing.....	32.72	8.28
			<i>For >100 To 250, Deduct</i>	-0.83	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500 To 1,000, Deduct</i>	-2.74	
			<i>For >1,000, Deduct</i>	-3.84	
			<i>For Galvanized Steel, Add</i>	13.44	
05 12 23 00-0705	LF		5" x 2" x 3/16" Square Steel Tubing.....	32.72	8.28
			<i>For >100 To 250, Deduct</i>	-0.83	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500 To 1,000, Deduct</i>	-2.74	
			<i>For >1,000, Deduct</i>	-3.84	
			<i>For Galvanized Steel, Add</i>	13.44	
05 12 23 00-0706	LF		5" x 3" x 3/16" Square Steel Tubing.....	37.82	9.58
			<i>For >100 To 250, Deduct</i>	-0.96	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500 To 1,000, Deduct</i>	-3.17	
			<i>For >1,000, Deduct</i>	-4.43	
			<i>For Galvanized Steel, Add</i>	15.53	
05 12 23 00-0707	LF		5" x 4" x 3/16" Square Steel Tubing.....	42.96	10.88
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500 To 1,000, Deduct</i>	-3.60	
			<i>For >1,000, Deduct</i>	-5.04	
			<i>For Galvanized Steel, Add</i>	17.64	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0708	LF		6" x 2" x 3/16" Square Steel Tubing.....	37.82	9.58
			<i>For >100 To 250, Deduct</i>	-0.96	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500 To 1,000, Deduct</i>	-3.17	
			<i>For >1,000, Deduct</i>	-4.43	
			<i>For Galvanized Steel, Add</i>	15.53	
05 12 23 00-0709	LF		6" x 3" x 3/16" Square Steel Tubing.....	42.96	10.88
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500 To 1,000, Deduct</i>	-3.60	
			<i>For >1,000, Deduct</i>	-5.04	
			<i>For Galvanized Steel, Add</i>	17.64	
05 12 23 00-0710	LF		6" x 4" x 3/16" Square Steel Tubing.....	48.06	12.17
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-2.42	
			<i>For >500 To 1,000, Deduct</i>	-4.03	
			<i>For >1,000, Deduct</i>	-5.63	
			<i>For Galvanized Steel, Add</i>	19.73	
05 12 23 00-0711			1/4" Wall Thickness <small>(05 12 23 00-0700)</small>		
05 12 23 00-0712	LF		3" x 2" x 1/4" Square Steel Tubing.....	24.39	5.78
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500 To 1,000, Deduct</i>	-1.99	
			<i>For >1,000, Deduct</i>	-2.79	
			<i>For Galvanized Steel, Add</i>	10.34	
05 12 23 00-0713	LF		4" x 2" x 1/4" Square Steel Tubing.....	30.22	7.16
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500 To 1,000, Deduct</i>	-2.47	
			<i>For >1,000, Deduct</i>	-3.46	
			<i>For Galvanized Steel, Add</i>	12.82	
05 12 23 00-0714	LF		4" x 3" x 1/4" Square Steel Tubing.....	36.05	8.55
			<i>For >100 To 250, Deduct</i>	-0.85	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500 To 1,000, Deduct</i>	-2.94	
			<i>For >1,000, Deduct</i>	-4.13	
			<i>For Galvanized Steel, Add</i>	15.29	
05 12 23 00-0715	LF		5" x 2" x 1/4" Square Steel Tubing.....	36.05	8.55
			<i>For >100 To 250, Deduct</i>	-0.85	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500 To 1,000, Deduct</i>	-2.94	
			<i>For >1,000, Deduct</i>	-4.13	
			<i>For Galvanized Steel, Add</i>	15.29	
05 12 23 00-0716	LF		5" x 3" x 1/4" Square Steel Tubing.....	41.89	9.93
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500 To 1,000, Deduct</i>	-3.42	
			<i>For >1,000, Deduct</i>	-4.80	
			<i>For Galvanized Steel, Add</i>	17.76	
05 12 23 00-0717	LF		5" x 4" x 1/4" Square Steel Tubing.....	47.72	11.31
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-2.32	
			<i>For >500 To 1,000, Deduct</i>	-3.89	
			<i>For >1,000, Deduct</i>	-5.46	
			<i>For Galvanized Steel, Add</i>	20.24	
05 12 23 00-0718	LF		6" x 2" x 1/4" Square Steel Tubing.....	41.89	9.93
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500 To 1,000, Deduct</i>	-3.42	
			<i>For >1,000, Deduct</i>	-4.80	
			<i>For Galvanized Steel, Add</i>	17.76	
05 12 23 00-0719	LF		6" x 3" x 1/4" Square Steel Tubing.....	47.72	11.31
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-2.32	
			<i>For >500 To 1,000, Deduct</i>	-3.89	
			<i>For >1,000, Deduct</i>	-5.46	
			<i>For Galvanized Steel, Add</i>	20.24	
05 12 23 00-0720	LF		6" x 4" x 1/4" Square Steel Tubing.....	53.59	12.70
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-2.61	
			<i>For >500 To 1,000, Deduct</i>	-4.37	
			<i>For >1,000, Deduct</i>	-6.14	
			<i>For Galvanized Steel, Add</i>	22.72	
05 12 23 00-0721			Round Steel Tubing <small>(05 12 23 00-0657)</small>		
05 12 23 00-0722			0.065" Wall Thickness <small>(05 12 23 00-0721)</small>		
05 12 23 00-0723	LF		1" Diameter x 0.065" Round Steel Tubing.....	4.98	1.06
			<i>For >100 To 250, Deduct</i>	-0.11	
			<i>For >250 To 500, Deduct</i>	-0.23	
			<i>For >500 To 1,000, Deduct</i>	-0.39	
			<i>For >1,000, Deduct</i>	-0.55	
			<i>For Galvanized Steel, Add</i>	2.21	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0724 LF 1-1/4" Diameter x 0.065" Round Steel Tubing	6.30	1.34
For >100 To 250, Deduct	-0.13	
For >250 To 500, Deduct	-0.29	
For >500 To 1,000, Deduct	-0.49	
For >1,000, Deduct	-0.70	
For Galvanized Steel, Add	2.80	
05 12 23 00-0725 LF 1-1/2" Diameter x 0.065" Round Steel Tubing	7.63	1.62
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.60	
For >1,000, Deduct	-0.84	
For Galvanized Steel, Add	3.39	
05 12 23 00-0726 LF 2" Diameter x 0.065" Round Steel Tubing.....	10.29	2.19
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.81	
For >1,000, Deduct	-1.14	
For Galvanized Steel, Add	4.58	
05 12 23 00-0727 LF 2-1/2" Diameter x 0.065" Round Steel Tubing	12.96	2.75
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.60	
For >500 To 1,000, Deduct	-1.02	
For >1,000, Deduct	-1.43	
For Galvanized Steel, Add	5.76	
05 12 23 00-0728 LF 3" Diameter x 0.065" Round Steel Tubing.....	15.62	3.31
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.72	
For >500 To 1,000, Deduct	-1.22	
For >1,000, Deduct	-1.72	
For Galvanized Steel, Add	6.94	
05 12 23 00-0729 LF 3-1/2" Diameter x 0.065" Round Steel Tubing	18.28	3.88
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.84	
For >500 To 1,000, Deduct	-1.43	
For >1,000, Deduct	-2.02	
For Galvanized Steel, Add	8.13	
05 12 23 00-0730 LF 4" Diameter x 0.065" Round Steel Tubing.....	20.94	4.44
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.97	
For >500 To 1,000, Deduct	-1.64	
For >1,000, Deduct	-2.31	
For Galvanized Steel, Add	9.31	
05 12 23 00-0731 0.083" Wall Thickness (05 12 23 00-0721)	5.40	1.16
05 12 23 00-0732 LF 1" Diameter x 0.083" Round Steel Tubing.....	5.40	1.16
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.42	
For >1,000, Deduct	-0.60	
For Galvanized Steel, Add	2.39	
05 12 23 00-0733 LF 1-1/4" Diameter x 0.083" Round Steel Tubing	6.87	1.47
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-0.54	
For >1,000, Deduct	-0.76	
For Galvanized Steel, Add	3.04	
05 12 23 00-0734 LF 1-1/2" Diameter x 0.083" Round Steel Tubing	8.35	1.78
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.39	
For >500 To 1,000, Deduct	-0.66	
For >1,000, Deduct	-0.93	
For Galvanized Steel, Add	3.70	
05 12 23 00-0735 LF 2" Diameter x 0.083" Round Steel Tubing.....	11.29	2.42
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-0.89	
For >1,000, Deduct	-1.25	
For Galvanized Steel, Add	5.00	
05 12 23 00-0736 LF 2-1/2" Diameter x 0.083" Round Steel Tubing	14.25	3.05
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.66	
For >500 To 1,000, Deduct	-1.12	
For >1,000, Deduct	-1.58	
For Galvanized Steel, Add	6.31	
05 12 23 00-0737 LF 3" Diameter x 0.083" Round Steel Tubing.....	17.19	3.68
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.80	
For >500 To 1,000, Deduct	-1.35	
For >1,000, Deduct	-1.90	
For Galvanized Steel, Add	7.61	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0738 LF 3-1/2" Diameter x 0.083" Round Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	20.13 -0.43 -0.93 -1.58 -2.23 8.92	4.31
05 12 23 00-0739 LF 4" Diameter x 0.083" Round Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	23.08 -0.49 -1.07 -1.81 -2.55 10.22	4.95
05 12 23 00-0740 0.125" Wall Thickness <small>(05 12 23 00-0721)</small>		
05 12 23 00-0741 LF 2" Diameter x 0.125" Round Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	11.99 -0.31 -0.61 -1.01 -1.41 4.91	3.05
05 12 23 00-0742 LF 2-1/2" Diameter x 0.125" Round Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	15.19 -0.39 -0.77 -1.28 -1.78 6.22	3.87
05 12 23 00-0743 LF 3" Diameter x 0.125" Round Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	18.39 -0.47 -0.93 -1.54 -2.16 7.53	4.68
05 12 23 00-0744 LF 3-1/2" Diameter x 0.125" Round Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	21.58 -0.55 -1.09 -1.81 -2.53 8.84	5.50
05 12 23 00-0745 LF 4" Diameter x 0.125" Round Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	24.77 -0.63 -1.25 -2.08 -2.91 10.14	6.31
05 12 23 00-0746 Flat Steel Bar <small>(05 12 23 00-0408)</small>		
05 12 23 00-0747 1/8" Thick <small>(05 12 23 00-0746)</small>		
05 12 23 00-0748 LF 1/8" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	3.32 0.64	1.52
05 12 23 00-0749 LF 1/8" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	5.15 1.07	2.28
05 12 23 00-0750 LF 1/8" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	7.96 1.95	3.21
05 12 23 00-0751 LF 1/8" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	10.79 2.64	4.36
05 12 23 00-0752 3/16" Thick <small>(05 12 23 00-0746)</small>		
05 12 23 00-0753 LF 3/16" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	4.41 0.98	1.88
05 12 23 00-0754 LF 3/16" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	6.98 1.69	2.83
05 12 23 00-0755 LF 3/16" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	9.49 2.86	3.25
05 12 23 00-0756 LF 3/16" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	13.14 3.95	4.51
05 12 23 00-0757 1/4" Thick <small>(05 12 23 00-0746)</small>		
05 12 23 00-0758 LF 1/4" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	4.55 0.97	1.99
05 12 23 00-0759 LF 1/4" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	7.65 1.96	2.99
05 12 23 00-0760 LF 1/4" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	11.25 3.79	3.42
05 12 23 00-0761 LF 1/4" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	16.27 5.38	5.06
05 12 23 00-0762 3/8" Thick <small>(05 12 23 00-0746)</small>		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0763	LF		3/8" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	5.82 1.52	2.25
05 12 23 00-0764	LF		3/8" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	9.59 2.81	3.36
05 12 23 00-0765	LF		3/8" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	14.82 5.61	3.84
05 12 23 00-0766	LF		3/8" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	21.28 7.90	5.68
05 12 23 00-0767			1/2" Thick <small>(05 12 23 00-0746)</small>		
05 12 23 00-0768	LF		1/2" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	6.85 1.95	2.46
05 12 23 00-0769	LF		1/2" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	11.34 3.58	3.71
05 12 23 00-0770	LF		1/2" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	16.19 6.10	4.22
05 12 23 00-0771	LF		1/2" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	29.02 12.17	6.26
05 12 23 00-0772			Flat Steel Plate <small>(05 12 23 00-0408)</small>		
05 12 23 00-0773	SF		1/8" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	17.22 23.71 1.33 4.59 21.12	6.54
05 12 23 00-0774	SF		3/16" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	19.44 29.66 1.67 5.75 26.42	6.77
05 12 23 00-0775	SF		1/4" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	23.20 37.82 2.13 7.33 33.69	7.58
05 12 23 00-0776	SF		3/8" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	31.35 59.36 3.34 11.50 52.87	8.53
05 12 23 00-0777	SF		1/2" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	37.19 73.95 4.16 14.33 65.86	9.38
05 12 23 00-0778	SF		3/4" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	60.94 138.66 7.80 26.86 123.49	11.63
05 12 23 00-0779	SF		1" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	81.34 189.86 10.68 36.78 169.09	14.53

05 13 Structural Stainless-Steel Framing (05 10)

05 13 00 00-0001			Stainless Steel Tube <small>(05 13)</small>		
05 13 00 00-0002	LF		1" x 1" Stainless Steel Tube	35.97	
05 13 00 00-0003	LF		1-1/2" x 1-1/2" Stainless Steel Tube	46.68	
05 13 00 00-0004	LF		2" x 2" Stainless Steel Tube	63.63	

05 14 Structural Aluminum Framing (05 10)**05 14 13 Architecturally-Exposed Structural Aluminum Framing** (05 14)

05 14 13 00-0001			Rolled Or Plate Shapes <small>(05 14 13)</small>		
			Note: 1" through 10" member.		
05 14 13 00-0002	LB		Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	8.86	0.86
05 14 13 00-0003	LB		Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members	7.80	0.80
05 14 13 00-0004			Aluminum Extrusions <small>(05 14 13)</small>		
05 14 13 00-0005	LB		Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	14.51	3.59
05 14 13 00-0006	LB		Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	15.36	3.59

05 14 13 00-0007 **Aluminum Tubing** (05 14 13)



Metals	05	05
Structural Metal Framing	05 10	
Structural Aluminum Framing	05 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0008	LB		Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	13.04	2.25
05 14 13 00-0009	LF		1" x 1" Aluminum Tubing, 1/8" Wall Thickness	11.75	3.62
05 14 13 00-0010	LF		1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	14.19	3.94
05 14 13 00-0011	LF		1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	16.29	4.60
05 14 13 00-0012	LF		2" x 2" Aluminum Tubing, 1/8" Wall Thickness	19.35	4.94
05 14 13 00-0013	LF		4" x 4" Aluminum Tubing, 1/4" Wall Thickness	56.14	6.26
05 14 13 00-0014	LF		2" x 5" Aluminum Tubing, 1/4" Wall Thickness	46.00	5.60
05 14 13 00-0015			Columns <small>(05 14 13)</small>		
			Note: Baked on paint finish, load bearing.		
05 14 13 00-0016			Round Columns <small>(05 14 13 00-0015)</small>		
05 14 13 00-0017	LF		6" Diameter Aluminum Column	51.82	7.10
05 14 13 00-0018	LF		8" Diameter Aluminum Column	68.92	10.17
05 14 13 00-0019	LF		10" Diameter Aluminum Column	84.17	11.45
05 14 13 00-0020	LF		12" Diameter Aluminum Column	126.74	11.98
05 14 13 00-0021	LF		15" Diameter Aluminum Column	161.86	13.88
05 14 13 00-0022	EA		6" Diameter Aluminum Base And Cap	100.75	13.25
05 14 13 00-0023	EA		8" Diameter Aluminum Base And Cap	115.38	14.31
05 14 13 00-0024	EA		10" Diameter Aluminum Base And Cap	145.86	15.90
05 14 13 00-0025	EA		12" Diameter Aluminum Base And Cap	253.08	16.96
05 14 13 00-0026	EA		15" Diameter Aluminum Base And Cap	388.21	18.55
05 14 13 00-0027			Octagonal Columns <small>(05 14 13 00-0015)</small>		
05 14 13 00-0028	LF		6" Diameter Aluminum Column	57.83	7.10
05 14 13 00-0029	LF		8" Diameter Aluminum Column	78.63	10.17
05 14 13 00-0030	LF		10" Diameter Aluminum Column	96.42	11.45
05 14 13 00-0031	LF		12" Diameter Aluminum Column	147.31	11.98
05 14 13 00-0032	LF		15" Diameter Aluminum Column	188.69	13.88
05 14 13 00-0033	EA		6" Diameter Aluminum Base And Cap	115.60	13.25
05 14 13 00-0034	EA		8" Diameter Aluminum Base And Cap	132.74	14.31
05 14 13 00-0035	EA		10" Diameter Aluminum Base And Cap	168.67	15.90
05 14 13 00-0036	EA		12" Diameter Aluminum Base And Cap	296.92	16.96
05 14 13 00-0037	EA		15" Diameter Aluminum Base And Cap	458.44	18.55
05 14 13 00-0038			Fluted Columns <small>(05 14 13 00-0015)</small>		
05 14 13 00-0039	LF		6" Diameter Aluminum Column	64.39	7.10
05 14 13 00-0040	LF		8" Diameter Aluminum Column	87.36	10.17
05 14 13 00-0041	LF		10" Diameter Aluminum Column	107.45	11.45
05 14 13 00-0042	LF		12" Diameter Aluminum Column	165.83	11.98
05 14 13 00-0043	LF		15" Diameter Aluminum Column	212.85	13.88
05 14 13 00-0044	EA		6" Diameter Aluminum Base And Cap	128.97	13.25
05 14 13 00-0045	EA		8" Diameter Aluminum Base And Cap	148.36	14.31
05 14 13 00-0046	EA		10" Diameter Aluminum Base And Cap	189.20	15.90
05 14 13 00-0047	EA		12" Diameter Aluminum Base And Cap	336.37	16.96
05 14 13 00-0048	EA		15" Diameter Aluminum Base And Cap	521.64	18.55
05 14 13 00-0049			Square Columns <small>(05 14 13 00-0015)</small>		
05 14 13 00-0050	LF		6" Aluminum Column	68.87	7.10
05 14 13 00-0051	LF		8" Aluminum Column	93.34	10.17
05 14 13 00-0052	LF		10" Aluminum Column	115.00	11.45
05 14 13 00-0053	LF		12" Aluminum Column	178.49	11.98
05 14 13 00-0054	LF		15" Aluminum Column	229.37	13.88
05 14 13 00-0055	EA		6" Aluminum Base And Cap	138.11	13.25
05 14 13 00-0056	EA		8" Aluminum Base And Cap	159.04	14.31
05 14 13 00-0057	EA		10" Aluminum Base And Cap	203.24	15.90
05 14 13 00-0058	EA		12" Aluminum Base And Cap	363.35	16.96
05 14 13 00-0059	EA		15" Aluminum Base And Cap	564.86	18.55
05 14 13 00-0060			Ornamental Or Decorative Cap And Bases <small>(05 14 13 00-0015)</small>		
05 14 13 00-0061	EA		8" Corinthian Capital And Base	787.72	15.90
05 14 13 00-0062	EA		10" Corinthian Capital And Base	1,159.67	18.55
05 14 13 00-0063	EA		12" Corinthian Capital And Base	1,835.28	21.20
05 14 13 00-0064	EA		8" Scamozzi Capital And Base	390.38	15.90
05 14 13 00-0065	EA		10" Scamozzi Capital And Base	523.27	18.55
05 14 13 00-0066	EA		12" Scamozzi Capital And Base	1,054.16	21.20

05 15 Wire Rope Assemblies (05 10)

05 15 16 Steel Wire Rope Assemblies (05 15)

05 15 16 00-0001 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0002	LF		1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.47	0.11
			<i>For >500, Deduct</i>	-0.26	
05 15 16 00-0003	LF		5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.98	0.11
			<i>For >500, Deduct</i>	-0.34	
05 15 16 00-0004	LF		3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.35	0.22
			<i>For >500, Deduct</i>	-0.39	
05 15 16 00-0005	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.85	0.22
			<i>For >500, Deduct</i>	-0.45	
05 15 16 00-0006	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.30	0.32
			<i>For >500, Deduct</i>	-0.51	
05 15 16 00-0007	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.05	0.43
			<i>For >500, Deduct</i>	-0.62	
05 15 16 00-0008	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.84	0.43
			<i>For >500, Deduct</i>	-0.73	
05 15 16 00-0009	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	6.72	0.76
			<i>For >500, Deduct</i>	-1.00	
05 15 16 00-0010	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.03	0.87
			<i>For >500, Deduct</i>	-1.34	
05 15 16 00-0011	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	11.26	1.19
			<i>For >500, Deduct</i>	-1.64	
05 15 16 00-0012	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	13.92	1.52
			<i>For >500, Deduct</i>	-2.02	
05 15 16 00-0013	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	16.97	1.84
			<i>For >500, Deduct</i>	-2.46	
05 15 16 00-0014			6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0015	LF		1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.72	0.11
			<i>For >500, Deduct</i>	-0.31	
05 15 16 00-0016	LF		5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.23	0.11
			<i>For >500, Deduct</i>	-0.39	
05 15 16 00-0017	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.77	0.22
			<i>For >500, Deduct</i>	-0.47	
05 15 16 00-0018	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.17	0.22
			<i>For >500, Deduct</i>	-0.52	
05 15 16 00-0019	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.77	0.32
			<i>For >500, Deduct</i>	-0.60	
05 15 16 00-0020	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.36	0.43
			<i>For >500, Deduct</i>	-0.68	
05 15 16 00-0021	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.10	0.43
			<i>For >500, Deduct</i>	-0.78	
05 15 16 00-0022	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.48	0.76
			<i>For >500, Deduct</i>	-1.15	
05 15 16 00-0023	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.59	0.87
			<i>For >500, Deduct</i>	-1.45	
05 15 16 00-0024	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	11.81	1.19
			<i>For >500, Deduct</i>	-1.76	
05 15 16 00-0025	LF		1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	15.13	1.52
			<i>For >500, Deduct</i>	-2.25	
05 15 16 00-0026	LF		1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	18.39	1.84
			<i>For >500, Deduct</i>	-2.75	
05 15 16 00-0027			6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0028	LF		1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.37	0.11
			<i>For >500, Deduct</i>	-0.24	
05 15 16 00-0029	LF		5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.86	0.11
			<i>For >500, Deduct</i>	-0.31	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 15 16 00-0030	LF		3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.22	0.22
				<i>For >500, Deduct</i>	-0.36	
	05 15 16 00-0031	LF		7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.61	0.22
				<i>For >500, Deduct</i>	-0.41	
	05 15 16 00-0032	LF		1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	3.15	0.32
				<i>For >500, Deduct</i>	-0.48	
	05 15 16 00-0033	LF		9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	3.98	0.43
				<i>For >500, Deduct</i>	-0.60	
	05 15 16 00-0034	LF		5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.66	0.43
				<i>For >500, Deduct</i>	-0.70	
	05 15 16 00-0035	LF		3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	6.55	0.76
				<i>For >500, Deduct</i>	-0.97	
	05 15 16 00-0036	LF		7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	8.04	0.87
				<i>For >500, Deduct</i>	-1.14	
	05 15 16 00-0037	LF		1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	10.21	1.19
				<i>For >500, Deduct</i>	-1.43	
	05 15 16 00-0038			6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope ^(05 15 16)		
	05 15 16 00-0039	LF		1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.35	0.11
				<i>For >500, Deduct</i>	-0.23	
	05 15 16 00-0040	LF		5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.79	0.11
				<i>For >500, Deduct</i>	-0.30	
	05 15 16 00-0041	LF		3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.22	0.22
				<i>For >500, Deduct</i>	-0.36	
	05 15 16 00-0042	LF		7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.61	0.22
				<i>For >500, Deduct</i>	-0.41	
	05 15 16 00-0043	LF		1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.28	0.32
				<i>For >500, Deduct</i>	-0.51	
	05 15 16 00-0044	LF		9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.92	0.43
				<i>For >500, Deduct</i>	-0.59	
	05 15 16 00-0045	LF		5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.91	0.43
				<i>For >500, Deduct</i>	-0.75	
	05 15 16 00-0046	LF		3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	6.85	0.76
				<i>For >500, Deduct</i>	-1.03	
	05 15 16 00-0047	LF		7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.97	0.87
				<i>For >500, Deduct</i>	-1.33	
	05 15 16 00-0048	LF		1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	11.07	1.19
				<i>For >500, Deduct</i>	-1.61	
	05 15 16 00-0049			6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ^(05 15 16)		
	05 15 16 00-0050	LF		3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.50	0.22
				<i>For >500, Deduct</i>	-0.42	
	05 15 16 00-0051	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.95	0.22
				<i>For >500, Deduct</i>	-0.47	
	05 15 16 00-0052	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.45	0.32
				<i>For >500, Deduct</i>	-0.54	
	05 15 16 00-0053	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	4.64	0.43
				<i>For >500, Deduct</i>	-0.74	
	05 15 16 00-0054	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.13	0.43
				<i>For >500, Deduct</i>	-0.79	
	05 15 16 00-0055	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	7.01	0.76
				<i>For >500, Deduct</i>	-1.06	
	05 15 16 00-0056	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	9.00	0.87
				<i>For >500, Deduct</i>	-1.34	
	05 15 16 00-0057	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	11.85	1.19
				<i>For >500, Deduct</i>	-1.76	
	05 15 16 00-0058	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	14.36	1.52
				<i>For >500, Deduct</i>	-2.11	
	05 15 16 00-0059	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	17.34	1.84
				<i>For >500, Deduct</i>	-2.54	
	05 15 16 00-0060			6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ^(05 15 16)		
	05 15 16 00-0061	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.57	0.22
				<i>For >500, Deduct</i>	-0.43	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0062	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.12	0.22
			<i>For >500, Deduct</i>	-0.51	
05 15 16 00-0063	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.69	0.32
			<i>For >500, Deduct</i>	-0.59	
05 15 16 00-0064	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.15	0.43
			<i>For >500, Deduct</i>	-0.84	
05 15 16 00-0065	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.21	0.43
			<i>For >500, Deduct</i>	-0.81	
05 15 16 00-0066	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	7.18	0.76
			<i>For >500, Deduct</i>	-1.09	
05 15 16 00-0067	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	9.51	0.87
			<i>For >500, Deduct</i>	-1.44	
05 15 16 00-0068	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	12.02	1.19
			<i>For >500, Deduct</i>	-1.79	
05 15 16 00-0069			19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope^(05 15 16)		
05 15 16 00-0070	LF		1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	2.64	0.11
			<i>For >500, Deduct</i>	-0.49	
05 15 16 00-0071	LF		5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	2.85	0.11
			<i>For >500, Deduct</i>	-0.51	
05 15 16 00-0072	LF		3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	3.36	0.22
			<i>For >500, Deduct</i>	-0.59	
05 15 16 00-0073	LF		7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	4.52	0.22
			<i>For >500, Deduct</i>	-0.79	
05 15 16 00-0074	LF		1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	5.15	0.22
			<i>For >500, Deduct</i>	-0.91	
05 15 16 00-0075	LF		9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	5.96	0.43
			<i>For >500, Deduct</i>	-1.00	
05 15 16 00-0076	LF		5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	7.09	0.43
			<i>For >500, Deduct</i>	-1.19	
05 15 16 00-0077	LF		3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	9.78	0.65
			<i>For >500, Deduct</i>	-1.62	
05 15 16 00-0078			7x7, Galvanized Finish, Aircraft Cable^(05 15 16)		
05 15 16 00-0079	LF		1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.30	0.08
			<i>For >500, Deduct</i>	-0.04	
05 15 16 00-0080	LF		3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.35	0.09
			<i>For >500, Deduct</i>	-0.04	
05 15 16 00-0081	LF		1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.40	0.10
			<i>For >500, Deduct</i>	-0.05	
05 15 16 00-0082	LF		5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.45	0.11
			<i>For >500, Deduct</i>	-0.06	
05 15 16 00-0083	LF		3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.56	0.11
			<i>For >500, Deduct</i>	-0.07	
05 15 16 00-0084			7x19, Galvanized Finish, Aircraft Cable^(05 15 16)		
05 15 16 00-0085	LF		1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable.....	0.55	0.10
			<i>For >500, Deduct</i>	-0.08	
05 15 16 00-0086	LF		5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable.....	0.59	0.11
			<i>For >500, Deduct</i>	-0.08	
05 15 16 00-0087	LF		3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable.....	0.68	0.11
			<i>For >500, Deduct</i>	-0.10	
05 15 16 00-0088	LF		1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable.....	0.79	0.11
			<i>For >500, Deduct</i>	-0.12	
05 15 16 00-0089	LF		5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable.....	1.20	0.11
			<i>For >500, Deduct</i>	-0.18	
05 15 16 00-0090	LF		3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable.....	1.61	0.11
			<i>For >500, Deduct</i>	-0.24	
05 15 16 00-0091			Heavy Duty, Galvanized Steel, Wire Rope Thimbles^(05 15 16)		
05 15 16 00-0092	EA		1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	13.35	3.25
05 15 16 00-0093	EA		5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	14.90	3.25
05 15 16 00-0094	EA		3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble.....	16.62	3.25



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0095	EA	7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	21.34	3.25
05 15 16 00-0096	EA	1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	21.36	3.25
05 15 16 00-0097	EA	9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	21.36	3.25
05 15 16 00-0098	EA	5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	22.96	3.25
05 15 16 00-0099	EA	3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	41.43	4.99
05 15 16 00-0100	EA	7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	49.02	6.07
05 15 16 00-0101	EA	1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	86.76	9.97
05 15 16 00-0102	EA	1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	124.08	13.56
05 15 16 00-0103	EA	1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	124.08	13.56
05 15 16 00-0104 Galvanized Steel, Wire Rope Clips (05 15 16)				
05 15 16 00-0105	EA	1/8" Diameter, Galvanized Steel, Wire Rope Clip	14.93	3.25
05 15 16 00-0106	EA	3/16" Diameter, Galvanized Steel, Wire Rope Clip	15.19	3.25
05 15 16 00-0107	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip	16.92	3.25
05 15 16 00-0108	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip	17.19	3.25
05 15 16 00-0109	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip	17.58	3.25
05 15 16 00-0110	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip	21.30	3.25
05 15 16 00-0111	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip	21.59	3.25
05 15 16 00-0112	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip	24.36	3.25
05 15 16 00-0113	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip	24.75	3.25
05 15 16 00-0114	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip	34.32	4.34
05 15 16 00-0115	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip	51.77	6.51
05 15 16 00-0116	EA	1" Diameter, Galvanized Steel, Wire Rope Clip	56.36	6.51
05 15 16 00-0117	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	66.95	8.67
05 15 16 00-0118	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	97.36	13.02
05 15 16 00-0119 Steel, Open Swage Sockets (05 15 16)				
05 15 16 00-0120	EA	1/4" Diameter, Steel, Open Swage Socket	79.12	3.25
05 15 16 00-0121	EA	5/16" Diameter, Steel, Open Swage Socket	125.53	3.25
05 15 16 00-0122	EA	3/8" Diameter, Steel, Open Swage Socket	129.82	4.34
05 15 16 00-0123	EA	7/16" Diameter, Steel, Open Swage Socket	154.78	5.42
05 15 16 00-0124	EA	1/2" Diameter, Steel, Open Swage Socket	154.78	5.42
05 15 16 00-0125	EA	9/16" Diameter, Steel, Open Swage Socket	228.62	11.93
05 15 16 00-0126	EA	5/8" Diameter, Steel, Open Swage Socket	228.62	11.93
05 15 16 00-0127	EA	3/4" Diameter, Steel, Open Swage Socket	295.85	22.78
05 15 16 00-0128	EA	7/8" Diameter, Steel, Open Swage Socket	399.03	32.53
05 15 16 00-0129	EA	1" Diameter, Steel, Open Swage Socket	564.12	49.89
05 15 16 00-0130	EA	1-1/8" Diameter, Steel, Open Swage Socket	747.74	78.09
05 15 16 00-0131	EA	1-1/4" Diameter, Steel, Open Swage Socket	870.70	90.02
05 15 16 00-0132 Steel, Closed Swage Sockets (05 15 16)				
05 15 16 00-0133	EA	1/4" Diameter, Steel, Closed Swage Socket	63.93	3.25
05 15 16 00-0134	EA	5/16" Diameter, Steel, Closed Swage Socket	86.03	3.25
05 15 16 00-0135	EA	3/8" Diameter, Steel, Closed Swage Socket	86.03	3.25
05 15 16 00-0136	EA	7/16" Diameter, Steel, Closed Swage Socket	107.52	4.34
05 15 16 00-0137	EA	1/2" Diameter, Steel, Closed Swage Socket	108.71	4.34
05 15 16 00-0138	EA	9/16" Diameter, Steel, Closed Swage Socket	150.26	7.60
05 15 16 00-0139	EA	5/8" Diameter, Steel, Closed Swage Socket	155.42	8.67
05 15 16 00-0140	EA	3/4" Diameter, Steel, Closed Swage Socket	193.49	14.09
05 15 16 00-0141	EA	7/8" Diameter, Steel, Closed Swage Socket	251.52	20.60
05 15 16 00-0142	EA	1" Diameter, Steel, Closed Swage Socket	359.65	28.20
05 15 16 00-0143	EA	1-1/8" Diameter, Steel, Closed Swage Socket	447.56	39.04
05 15 16 00-0144	EA	1-1/4" Diameter, Steel, Closed Swage Socket	610.92	60.73
05 15 16 00-0145 Galvanized Steel, Open Spelter Sockets (05 15 16)				
05 15 16 00-0146	EA	1/4" Galvanized Steel, Open Spelter Socket	131.51	3.25
05 15 16 00-0147	EA	5/16" Galvanized Steel, Open Spelter Socket	135.33	3.25
05 15 16 00-0148	EA	3/8" Galvanized Steel, Open Spelter Socket	135.33	3.25
05 15 16 00-0149	EA	7/16" Galvanized Steel, Open Spelter Socket	152.42	6.51
05 15 16 00-0150	EA	1/2" Galvanized Steel, Open Spelter Socket	152.42	6.51
05 15 16 00-0151	EA	9/16" Galvanized Steel, Open Spelter Socket	201.29	10.84
05 15 16 00-0152	EA	5/8" Galvanized Steel, Open Spelter Socket	201.29	10.84
05 15 16 00-0153	EA	3/4" Galvanized Steel, Open Spelter Socket	256.33	16.27
05 15 16 00-0154	EA	7/8" Galvanized Steel, Open Spelter Socket	384.83	27.11
05 15 16 00-0155	EA	1" Galvanized Steel, Open Spelter Socket	695.85	42.29
05 15 16 00-0156	EA	1-1/8" Galvanized Steel, Open Spelter Socket	827.88	68.33
05 15 16 00-0157	EA	1-1/4" Galvanized Steel, Open Spelter Socket	1,118.37	90.02
05 15 16 00-0158 Galvanized Steel, Closed Spelter Sockets (05 15 16)				
05 15 16 00-0159	EA	1/4" Galvanized Steel, Closed Spelter Socket	110.49	3.25
05 15 16 00-0160	EA	5/16" Galvanized Steel, Closed Spelter Socket	110.97	3.25
05 15 16 00-0161	EA	3/8" Galvanized Steel, Closed Spelter Socket	110.97	3.25
05 15 16 00-0162	EA	7/16" Galvanized Steel, Closed Spelter Socket	125.32	5.42
05 15 16 00-0163	EA	1/2" Galvanized Steel, Closed Spelter Socket	125.32	5.42
05 15 16 00-0164	EA	9/16" Galvanized Steel, Closed Spelter Socket	176.67	9.76

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0165	EA		5/8" Galvanized Steel, Closed Spelter Socket	176.67	9.76
05 15 16 00-0166	EA		3/4" Galvanized Steel, Closed Spelter Socket	218.16	14.09
05 15 16 00-0167	EA		7/8" Galvanized Steel, Closed Spelter Socket	318.97	21.69
05 15 16 00-0168	EA		1" Galvanized Steel, Closed Spelter Socket	482.29	33.62
05 15 16 00-0169	EA		1-1/8" Galvanized Steel, Closed Spelter Socket	631.80	45.55
05 15 16 00-0170	EA		1-1/4" Galvanized Steel, Closed Spelter Socket	797.76	60.73
05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)					
05 15 16 00-0172	EA		1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	76.42	3.25
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-9.84	
05 15 16 00-0173	EA		5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	81.88	3.25
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-10.66	
05 15 16 00-0174	EA		3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	91.98	3.25
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-12.17	
05 15 16 00-0175	EA		1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	102.64	4.34
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-12.66	
05 15 16 00-0176	EA		1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	134.93	5.42
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-16.85	
05 15 16 00-0177	EA		1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	153.33	6.51
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-19.08	
05 15 16 00-0178	EA		5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	156.81	8.67
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-18.52	
05 15 16 00-0179	EA		5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	193.47	8.67
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-23.60	
05 15 16 00-0180	EA		5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	219.43	9.76
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-27.10	
05 15 16 00-0181	EA		3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	211.58	11.93
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-24.81	
05 15 16 00-0182	EA		3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	241.34	14.09
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-27.64	
05 15 16 00-0183	EA		3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	297.16	15.18
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-35.28	
05 15 16 00-0184	EA		3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	357.52	18.44
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-42.41	
05 15 16 00-0185	EA		7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	408.80	26.03
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-45.83	
05 15 16 00-0186	EA		7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	495.35	30.37
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-56.23	
05 15 16 00-0187	EA		1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	424.26	26.03
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-48.15	
05 15 16 00-0188	EA		1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	487.23	33.62
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-52.75	
05 15 16 00-0189	EA		1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	666.13	42.29
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-74.89	
05 15 16 00-0190	EA		1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	745.99	49.89
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-82.32	
05 15 16 00-0191	EA		1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	833.43	60.73
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-88.86	
05 15 16 00-0192	EA		1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,004.22	68.33
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-109.96	
05 15 16 00-0193	EA		1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,296.55	78.09
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-148.00	
05 15 16 00-0194	EA		1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,284.71	83.51
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-142.65	
05 15 16 00-0195	EA		1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,420.50	108.45
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-148.00	
05 15 16 00-0196	EA		1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	2,533.49	140.98
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-298.68	
05 15 16 00-0197	EA		2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	4,175.36	271.13
			<i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	-463.63	
05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts (05 15 16)					
05 15 16 00-0199	EA		1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	16.99	
05 15 16 00-0200	EA		5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	17.06	
05 15 16 00-0201	EA		3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	19.11	
05 15 16 00-0202	EA		7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	22.78	
05 15 16 00-0203	EA		1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	22.68	
05 15 16 00-0204	EA		5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	30.77	
05 15 16 00-0205	EA		3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	36.73	
05 15 16 00-0206	EA		7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	49.36	
05 15 16 00-0207	EA		1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	65.79	
05 15 16 00-0208	EA		1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	95.33	
05 15 16 00-0209	EA		1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	113.30	
05 15 16 00-0210	EA		1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	204.85	
05 15 16 00-0211	EA		1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	234.84	
05 15 16 00-0212	EA		2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	290.16	
05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)					
05 15 16 00-0214	EA		1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	22.09	
05 15 16 00-0215	EA		1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	20.04	



	Metals	05
	Structural Metal Framing	05 10
	Wire Rope Assemblies	05 15

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0216 EA 5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	26.84	
05 15 16 00-0217 EA 5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	18.33	
05 15 16 00-0218 EA 3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	24.40	
05 15 16 00-0219 EA 3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	36.33	
05 15 16 00-0220 EA 3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	35.27	
05 15 16 00-0221 EA 3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	33.56	
05 15 16 00-0222 EA 3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	30.18	
05 15 16 00-0223 EA 3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	31.16	
05 15 16 00-0224 EA 1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	27.70	
05 15 16 00-0225 EA 1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	22.31	
05 15 16 00-0226 EA 1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	28.75	
05 15 16 00-0227 EA 1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	38.92	
05 15 16 00-0228 EA 1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	29.81	
05 15 16 00-0229 EA 1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	47.35	
05 15 16 00-0230 EA 1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	41.83	
05 15 16 00-0231 EA 1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	38.29	
05 15 16 00-0232 EA 1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	44.85	
05 15 16 00-0233 EA 5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	45.54	
05 15 16 00-0234 EA 5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	40.68	
05 15 16 00-0235 EA 5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	50.91	
05 15 16 00-0236 EA 5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	58.21	
05 15 16 00-0237 EA 5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	66.97	
05 15 16 00-0238 EA 5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	55.54	
05 15 16 00-0239 EA 3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	55.44	
05 15 16 00-0240 EA 3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	56.55	
05 15 16 00-0241 EA 3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	62.41	
05 15 16 00-0242 EA 3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	67.24	
05 15 16 00-0243 EA 3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	78.37	
05 15 16 00-0244 EA 1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	103.48	

05 15 19 Stainless Steel Wire Rope Assemblies (05 15)

05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0002 LF 1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.26	0.08
For >500, Deduct	-0.03	
05 15 19 00-0003 LF 3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.34	0.09
For >500, Deduct	-0.04	
05 15 19 00-0004 LF 1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.44	0.10
For >500, Deduct	-0.06	
05 15 19 00-0005 LF 5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.56	0.11
For >500, Deduct	-0.08	
05 15 19 00-0006 LF 3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.71	0.11
For >500, Deduct	-0.10	
05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0008 LF 1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.50	0.10
For >500, Deduct	-0.07	
05 15 19 00-0009 LF 5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.57	0.11
For >500, Deduct	-0.08	
05 15 19 00-0010 LF 3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.67	0.11
For >500, Deduct	-0.09	
05 15 19 00-0011 LF 1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.84	0.11
For >500, Deduct	-0.13	
05 15 19 00-0012 LF 5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	1.28	0.11
For >500, Deduct	-0.20	
05 15 19 00-0013 LF 3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	1.91	0.22
For >500, Deduct	-0.30	
05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0015 LF 1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.26	0.08
For >500, Deduct	-0.03	
05 15 19 00-0016 LF 3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.34	0.09
For >500, Deduct	-0.04	
05 15 19 00-0017 LF 1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.44	0.10
For >500, Deduct	-0.06	
05 15 19 00-0018 LF 5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.56	0.11
For >500, Deduct	-0.08	
05 15 19 00-0019 LF 3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.71	0.11
For >500, Deduct	-0.10	
05 15 19 00-0020 7x19, 316 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0021 LF 1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.50	0.10
For >500, Deduct	-0.07	
05 15 19 00-0022 LF 5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.57	0.11
For >500, Deduct	-0.08	
05 15 19 00-0023 LF 3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.67	0.11
For >500, Deduct	-0.09	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0024	LF		1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.84	0.11
			<i>For >500, Deduct</i>	-0.13	
05 15 19 00-0025	LF		5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.28	0.11
			<i>For >500, Deduct</i>	-0.20	
05 15 19 00-0026	LF		3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.91	0.11
			<i>For >500, Deduct</i>	-0.30	

05 20 Metal Joists ⁽⁰⁵⁾

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing ^(05 20)**05 21 19 Open Web Steel Joist Framing** ^(05 21)

05 21 19 00-0001	TON		H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,642.21	186.90
			<i>For Welded Cross Bridging, Add</i>	233.63	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	223.61	
05 21 19 00-0002	TON		H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,422.58	175.22
			<i>For Welded Cross Bridging, Add</i>	207.67	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	207.64	
05 21 19 00-0003	TON		LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging	2,911.81	175.22
			<i>For Welded Cross Bridging, Add</i>	215.66	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	263.15	
05 21 19 00-0004	TON		DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	3,301.67	175.22
			<i>For Welded Cross Bridging, Add</i>	215.66	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	309.94	
05 21 19 00-0005	TON		CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,922.98	175.22
			<i>For Welded Cross Bridging, Add</i>	233.63	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	257.31	
05 21 19 00-0006	TON		SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	3,642.79	175.22
			<i>For Welded Cross Bridging, Add</i>	215.66	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	350.87	

05 30 Metal Decking ⁽⁰⁵⁾

Note: Includes all connecting bolts and welds.

05 31 Steel Decking ^(05 30)**05 31 13 Steel Floor Decking** ^(05 31)

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck ^(05 31 13)

05 31 13 00-0002	SF		1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.15	0.49
			<i>For Painted, Deduct</i>	-0.13	
			<i>For Perforated Or Slotted, Add</i>	0.13	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.83	
			<i>For Up To 100, Add</i>	0.86	
			<i>For >100 To 500, Add</i>	0.50	
			<i>For >500 To 1,500, Add</i>	0.15	
05 31 13 00-0003	SF		1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.58	0.57
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.95	
			<i>For Up To 100, Add</i>	1.00	
			<i>For >100 To 500, Add</i>	0.57	
			<i>For >500 To 1,500, Add</i>	0.18	
05 31 13 00-0004	SF		1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.51	0.69
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.19	
			<i>For Up To 100, Add</i>	1.23	
			<i>For >100 To 500, Add</i>	0.71	
			<i>For >500 To 1,500, Add</i>	0.22	
05 31 13 00-0005	SF		1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.46	0.55
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.92	
			<i>For Up To 100, Add</i>	0.97	
			<i>For >100 To 500, Add</i>	0.55	
			<i>For >500 To 1,500, Add</i>	0.17	
05 31 13 00-0006	SF		1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.98	0.63
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.05	
			<i>For Up To 100, Add</i>	1.11	
			<i>For >100 To 500, Add</i>	0.64	
			<i>For >500 To 1,500, Add</i>	0.20	
05 31 13 00-0007	SF		1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.00	0.77
			<i>For Painted, Deduct</i>	-0.20	
			<i>For Perforated Or Slotted, Add</i>	0.20	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.32	
			<i>For Up To 100, Add</i>	1.37	
			<i>For >100 To 500, Add</i>	0.79	
			<i>For >500 To 1,500, Add</i>	0.24	



	Metals	05	
	Metal Decking	05 30	05
	Steel Decking	05 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0008 SF 2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.91	0.58
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Site Installed Insulation Between Ribs, Add	1.03	
For Up To 100, Add	1.04	
For >100 To 500, Add	0.61	
For >500 To 1,500, Add	0.18	
05 31 13 00-0009 SF 2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.55	0.67
For Painted, Deduct	-0.19	
For Perforated Or Slotted, Add	0.19	
For Site Installed Insulation Between Ribs, Add	1.20	
For Up To 100, Add	1.21	
For >100 To 500, Add	0.71	
For >500 To 1,500, Add	0.21	
05 31 13 00-0010 SF 2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.60	0.75
For Painted, Deduct	-0.23	
For Perforated Or Slotted, Add	0.23	
For Site Installed Insulation Between Ribs, Add	1.47	
For Up To 100, Add	1.41	
For >100 To 500, Add	0.84	
For >500 To 1,500, Add	0.24	
05 31 13 00-0011 SF 2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	7.04	0.82
For Painted, Deduct	-0.30	
For Perforated Or Slotted, Add	0.30	
For Site Installed Insulation Between Ribs, Add	1.84	
For Up To 100, Add	1.62	
For >100 To 500, Add	1.01	
For >500 To 1,500, Add	0.26	
05 31 13 00-0012 SF 3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.37	0.61
For Painted, Deduct	-0.18	
For Perforated Or Slotted, Add	0.18	
For Site Installed Insulation Between Ribs, Add	1.15	
For Up To 100, Add	1.12	
For >100 To 500, Add	0.67	
For >500 To 1,500, Add	0.19	
05 31 13 00-0013 SF 3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	5.11	0.69
For Painted, Deduct	-0.21	
For Perforated Or Slotted, Add	0.21	
For Site Installed Insulation Between Ribs, Add	1.34	
For Up To 100, Add	1.29	
For >100 To 500, Add	0.77	
For >500 To 1,500, Add	0.22	
05 31 13 00-0014 SF 3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	6.36	0.86
For Painted, Deduct	-0.26	
For Perforated Or Slotted, Add	0.26	
For Site Installed Insulation Between Ribs, Add	1.67	
For Up To 100, Add	1.60	
For >100 To 500, Add	0.96	
For >500 To 1,500, Add	0.27	
05 31 13 00-0015 SF 3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	8.01	1.04
For Painted, Deduct	-0.34	
For Perforated Or Slotted, Add	0.34	
For Site Installed Insulation Between Ribs, Add	2.10	
For Up To 100, Add	1.97	
For >100 To 500, Add	1.19	
For >500 To 1,500, Add	0.33	
05 31 13 00-0016 SF 4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	11.60	
For Painted, Deduct	-0.53	
For Perforated Or Slotted, Add	0.53	
For Site Installed Insulation Between Ribs, Add	2.97	
For Up To 100, Add	2.01	
For >100 To 500, Add	1.44	
For >500 To 1,500, Add	0.24	
05 31 13 00-0017 SF 4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	14.63	0.86
For Painted, Deduct	-0.68	
For Perforated Or Slotted, Add	0.68	
For Site Installed Insulation Between Ribs, Add	3.74	
For Up To 100, Add	2.43	
For >100 To 500, Add	1.78	
For >500 To 1,500, Add	0.27	
05 31 13 00-0018 SF 6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	13.58	0.86
For Painted, Deduct	-0.63	
For Perforated Or Slotted, Add	0.63	
For Site Installed Insulation Between Ribs, Add	3.47	
For Up To 100, Add	2.32	
For >100 To 500, Add	1.68	
For >500 To 1,500, Add	0.27	
05 31 13 00-0019 SF 6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	14.24	1.04
For Painted, Deduct	-0.65	
For Perforated Or Slotted, Add	0.65	
For Site Installed Insulation Between Ribs, Add	3.66	
For Up To 100, Add	2.59	
For >100 To 500, Add	1.81	
For >500 To 1,500, Add	0.33	

05	05	Metals
	05 30	Metal Decking
	05 31	Steel Decking



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0020 SF 6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	17.79	1.26
For Painted, Deduct	-0.81	
For Perforated Or Slotted, Add	0.81	
For Site Installed Insulation Between Ribs, Add	4.56	
For Up To 100, Add	3.21	
For >100 To 500, Add	2.26	
For >500 To 1,500, Add	0.40	
05 31 13 00-0021 SF 7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	15.74	1.14
For Painted, Deduct	-0.72	
For Perforated Or Slotted, Add	0.72	
For Site Installed Insulation Between Ribs, Add	4.04	
For Up To 100, Add	2.86	
For >100 To 500, Add	2.00	
For >500 To 1,500, Add	0.36	
05 31 13 00-0022 SF 7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	19.62	1.39
For Painted, Deduct	-0.89	
For Perforated Or Slotted, Add	0.89	
For Site Installed Insulation Between Ribs, Add	5.03	
For Up To 100, Add	3.53	
For >100 To 500, Add	2.48	
For >500 To 1,500, Add	0.44	
05 31 13 00-0023 Cellular Galvanized Steel Deck <small>(05 31 13)</small>		
Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31 13 00-0024 SF 1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	10.40	0.88
For Painted, Deduct	-0.47	
For Perforated Or Slotted, Add	0.47	
For Insulated Cells, Add	2.09	
For Site Installed Insulation Between Ribs, Add	2.68	
For Up To 100, Add	2.03	
For >100 To 500, Add	1.37	
For >500 To 1,500, Add	0.28	
05 31 13 00-0025 SF 1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	11.31	1.16
For Painted, Deduct	-0.49	
For Perforated Or Slotted, Add	0.49	
For Insulated Cells, Add	2.22	
For Site Installed Insulation Between Ribs, Add	2.93	
For Up To 100, Add	2.45	
For >100 To 500, Add	1.57	
For >500 To 1,500, Add	0.37	
05 31 13 00-0026 SF 1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	12.77	0.92
For Painted, Deduct	-0.58	
For Perforated Or Slotted, Add	0.58	
For Insulated Cells, Add	2.61	
For Site Installed Insulation Between Ribs, Add	3.28	
For Up To 100, Add	2.31	
For >100 To 500, Add	1.62	
For >500 To 1,500, Add	0.29	
05 31 13 00-0027 SF 1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	13.82	1.22
For Painted, Deduct	-0.61	
For Perforated Or Slotted, Add	0.61	
For Insulated Cells, Add	2.77	
For Site Installed Insulation Between Ribs, Add	3.57	
For Up To 100, Add	2.76	
For >100 To 500, Add	1.84	
For >500 To 1,500, Add	0.38	
05 31 13 00-0028 SF 3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	14.62	1.12
For Painted, Deduct	-0.66	
For Perforated Or Slotted, Add	0.66	
For Insulated Cells, Add	2.98	
For Site Installed Insulation Between Ribs, Add	3.76	
For Up To 100, Add	2.70	
For >100 To 500, Add	1.88	
For >500 To 1,500, Add	0.35	
05 31 13 00-0029 SF 3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	17.48	1.28
For Painted, Deduct	-0.79	
For Perforated Or Slotted, Add	0.79	
For Insulated Cells, Add	3.57	
For Site Installed Insulation Between Ribs, Add	4.49	
For Up To 100, Add	3.20	
For >100 To 500, Add	2.23	
For >500 To 1,500, Add	0.40	
05 31 13 00-0030 SF 3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	19.61	1.39
For Painted, Deduct	-0.89	
For Perforated Or Slotted, Add	0.89	
For Insulated Cells, Add	4.02	
For Site Installed Insulation Between Ribs, Add	5.03	
For Up To 100, Add	3.53	
For >100 To 500, Add	2.48	
For >500 To 1,500, Add	0.44	



	Metals	05	
	Metal Decking	05 30	05
	Steel Decking	05 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31	13 00-0031	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	21.18	1.49
			<i>For Painted, Deduct</i>	-0.97	
			<i>For Perforated Or Slotted, Add</i>	0.97	
			<i>For Insulated Cells, Add</i>	4.35	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.43	
			<i>For Up To 100, Add</i>	3.79	
			<i>For >100 To 500, Add</i>	2.68	
			<i>For >500 To 1,500, Add</i>	0.47	
05 31	13 00-0032	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	22.70	1.12
			<i>For Painted, Deduct</i>	-1.06	
			<i>For Perforated Or Slotted, Add</i>	1.06	
			<i>For Insulated Cells, Add</i>	4.79	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.78	
			<i>For Up To 100, Add</i>	3.54	
			<i>For >100 To 500, Add</i>	2.69	
			<i>For >500 To 1,500, Add</i>	0.35	
05 31	13 00-0033	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	24.13	1.30
			<i>For Painted, Deduct</i>	-1.12	
			<i>For Perforated Or Slotted, Add</i>	1.12	
			<i>For Insulated Cells, Add</i>	5.06	
			<i>For Site Installed Insulation Between Ribs, Add</i>	6.15	
			<i>For Up To 100, Add</i>	3.89	
			<i>For >100 To 500, Add</i>	2.91	
			<i>For >500 To 1,500, Add</i>	0.41	
05 31	13 00-0034	SF	4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	25.50	1.41
			<i>For Painted, Deduct</i>	-1.19	
			<i>For Perforated Or Slotted, Add</i>	1.19	
			<i>For Insulated Cells, Add</i>	5.34	
			<i>For Site Installed Insulation Between Ribs, Add</i>	6.51	
			<i>For Up To 100, Add</i>	4.13	
			<i>For >100 To 500, Add</i>	3.08	
			<i>For >500 To 1,500, Add</i>	0.44	
05 31	13 00-0035	SF	4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	27.20	1.51
			<i>For Painted, Deduct</i>	-1.27	
			<i>For Perforated Or Slotted, Add</i>	1.27	
			<i>For Insulated Cells, Add</i>	5.69	
			<i>For Site Installed Insulation Between Ribs, Add</i>	6.94	
			<i>For Up To 100, Add</i>	4.42	
			<i>For >100 To 500, Add</i>	3.29	
			<i>For >500 To 1,500, Add</i>	0.47	

05 31 23 Steel Roof Decking (05 31)
See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking (05 31)

05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck (05 31 33)

05 31	33 00-0002	SF	9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.84	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.11	
			<i>For >100 To 500, Add</i>	0.56	
			<i>For >500 To 1,500, Add</i>	0.23	
05 31	33 00-0003	SF	9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.02	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.18	
			<i>For >100 To 500, Add</i>	0.59	
			<i>For >500 To 1,500, Add</i>	0.24	
05 31	33 00-0004	SF	9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.34	
			<i>For Painted, Deduct</i>	-0.11	
			<i>For Perforated Or Slotted, Add</i>	0.11	
			<i>For Up To 100, Add</i>	1.34	
			<i>For >100 To 500, Add</i>	0.67	
			<i>For >500 To 1,500, Add</i>	0.28	
05 31	33 00-0005	SF	9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.61	
			<i>For Painted, Deduct</i>	-0.12	
			<i>For Perforated Or Slotted, Add</i>	0.12	
			<i>For Up To 100, Add</i>	1.50	
			<i>For >100 To 500, Add</i>	0.74	
			<i>For >500 To 1,500, Add</i>	0.32	
05 31	33 00-0006	SF	15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.42	
			<i>For Painted, Deduct</i>	-0.12	
			<i>For Perforated Or Slotted, Add</i>	0.12	
			<i>For Up To 100, Add</i>	1.22	
			<i>For >100 To 500, Add</i>	0.63	
			<i>For >500 To 1,500, Add</i>	0.24	
05 31	33 00-0007	SF	15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.59	
			<i>For Painted, Deduct</i>	-0.13	
			<i>For Perforated Or Slotted, Add</i>	0.13	
			<i>For Up To 100, Add</i>	1.28	
			<i>For >100 To 500, Add</i>	0.67	
			<i>For >500 To 1,500, Add</i>	0.26	

05	Metals
05 30	Metal Decking
05 31	Steel Decking



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 33 00-0008	SF		15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.78	
			<i>For Painted, Deduct</i>	-0.13	
			<i>For Perforated Or Slotted, Add</i>	0.13	
			<i>For Up To 100, Add</i>	1.39	
			<i>For >100 To 500, Add</i>	0.71	
			<i>For >500 To 1,500, Add</i>	0.28	
05 31 33 00-0009	SF		15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.03	
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Up To 100, Add</i>	1.55	
			<i>For >100 To 500, Add</i>	0.78	
			<i>For >500 To 1,500, Add</i>	0.32	
05 31 33 00-0010	SF		1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.25	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Up To 100, Add</i>	1.61	
			<i>For >100 To 500, Add</i>	0.82	
			<i>For >500 To 1,500, Add</i>	0.33	
05 31 33 00-0011	SF		1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.64	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.71	
			<i>For >100 To 500, Add</i>	0.88	
			<i>For >500 To 1,500, Add</i>	0.35	
05 31 33 00-0012	SF		1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.33	
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Up To 100, Add</i>	1.87	
			<i>For >100 To 500, Add</i>	0.98	
			<i>For >500 To 1,500, Add</i>	0.37	
05 31 33 00-0013	SF		1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.91	
			<i>For Painted, Deduct</i>	-0.21	
			<i>For Perforated Or Slotted, Add</i>	0.21	
			<i>For Up To 100, Add</i>	2.11	
			<i>For >100 To 500, Add</i>	1.10	
			<i>For >500 To 1,500, Add</i>	0.42	

05 36 Composite Metal Decking (05 30)

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF		1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.29	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Up To 100, Add</i>	1.62	
			<i>For >100 To 500, Add</i>	0.83	
			<i>For >500 To 1,500, Add</i>	0.33	
05 36 00 00-0003	SF		1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.59	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.79	
			<i>For >100 To 500, Add</i>	0.90	
			<i>For >500 To 1,500, Add</i>	0.37	
05 36 00 00-0004	SF		1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.13	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	2.17	
			<i>For >100 To 500, Add</i>	1.07	
			<i>For >500 To 1,500, Add</i>	0.46	
05 36 00 00-0005	SF		1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.60	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	2.54	
			<i>For >100 To 500, Add</i>	1.22	
			<i>For >500 To 1,500, Add</i>	0.55	
05 36 00 00-0006	SF		2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.59	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.79	
			<i>For >100 To 500, Add</i>	0.90	
			<i>For >500 To 1,500, Add</i>	0.37	
05 36 00 00-0007	SF		2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.97	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	1.97	
			<i>For >100 To 500, Add</i>	0.99	
			<i>For >500 To 1,500, Add</i>	0.41	
05 36 00 00-0008	SF		2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.51	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Up To 100, Add</i>	2.35	
			<i>For >100 To 500, Add</i>	1.15	
			<i>For >500 To 1,500, Add</i>	0.50	



	Metals	05
	Metal Decking	05 30
	Composite Metal Decking	05 36

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0009 SF 2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.00	
For Painted, Deduct	-0.18	
For Perforated Or Slotted, Add	0.18	
For Up To 100, Add	2.72	
For >100 To 500, Add	1.31	
For >500 To 1,500, Add	0.59	
05 36 00 00-0010 SF 3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.82	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Up To 100, Add	1.86	
For >100 To 500, Add	0.94	
For >500 To 1,500, Add	0.38	
05 36 00 00-0011 SF 3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.17	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Up To 100, Add	2.08	
For >100 To 500, Add	1.04	
For >500 To 1,500, Add	0.44	
05 36 00 00-0012 SF 3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.80	
For Painted, Deduct	-0.18	
For Perforated Or Slotted, Add	0.18	
For Up To 100, Add	2.52	
For >100 To 500, Add	1.23	
For >500 To 1,500, Add	0.54	
05 36 00 00-0013 SF 3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.46	
For Painted, Deduct	-0.20	
For Perforated Or Slotted, Add	0.20	
For Up To 100, Add	2.95	
For >100 To 500, Add	1.41	
For >500 To 1,500, Add	0.64	
05 36 00 00-0014 Composite Cellular Galvanized Steel Deck <small>(05 36)</small>		
Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.		
05 36 00 00-0015 SF 1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.87	
For Painted, Deduct	-0.27	
For Perforated Or Slotted, Add	0.27	
For Insulated Cells, Add	1.23	
For Up To 100, Add	2.95	
For >100 To 500, Add	1.51	
For >500 To 1,500, Add	0.60	
05 36 00 00-0016 SF 1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.42	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.30	
For Up To 100, Add	3.24	
For >100 To 500, Add	1.64	
For >500 To 1,500, Add	0.67	
05 36 00 00-0017 SF 1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.52	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.30	
For Up To 100, Add	3.34	
For >100 To 500, Add	1.68	
For >500 To 1,500, Add	0.69	
05 36 00 00-0018 SF 1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.04	
For Painted, Deduct	-0.30	
For Perforated Or Slotted, Add	0.30	
For Insulated Cells, Add	1.34	
For Up To 100, Add	3.67	
For >100 To 500, Add	1.83	
For >500 To 1,500, Add	0.77	
05 36 00 00-0019 SF 1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.69	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Insulated Cells, Add	1.43	
For Up To 100, Add	3.96	
For >100 To 500, Add	1.97	
For >500 To 1,500, Add	0.83	
05 36 00 00-0020 SF 1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.79	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Insulated Cells, Add	1.43	
For Up To 100, Add	4.06	
For >100 To 500, Add	2.01	
For >500 To 1,500, Add	0.86	
05 36 00 00-0021 SF 1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.31	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.48	
For Up To 100, Add	4.39	
For >100 To 500, Add	2.15	
For >500 To 1,500, Add	0.93	

05 Metals**05 30 Metal Decking****05 36 Composite Metal Decking**

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI UOM		UNIT COST	UNIT COST
05 36 00 00-0022	SF 2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.14	
	<i>For Painted, Deduct</i>	-0.28	
	<i>For Perforated Or Slotted, Add</i>	0.28	
	<i>For Insulated Cells, Add</i>	1.26	
	<i>For Up To 100, Add</i>	3.12	
	<i>For >100 To 500, Add</i>	1.58	
	<i>For >500 To 1,500, Add</i>	0.64	
05 36 00 00-0023	SF 2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	8.59	
	<i>For Painted, Deduct</i>	-0.29	
	<i>For Perforated Or Slotted, Add</i>	0.29	
	<i>For Insulated Cells, Add</i>	1.31	
	<i>For Up To 100, Add</i>	3.34	
	<i>For >100 To 500, Add</i>	1.69	
	<i>For >500 To 1,500, Add</i>	0.69	
05 36 00 00-0024	SF 2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	8.69	
	<i>For Painted, Deduct</i>	-0.29	
	<i>For Perforated Or Slotted, Add</i>	0.29	
	<i>For Insulated Cells, Add</i>	1.31	
	<i>For Up To 100, Add</i>	3.44	
	<i>For >100 To 500, Add</i>	1.73	
	<i>For >500 To 1,500, Add</i>	0.72	
05 36 00 00-0025	SF 2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.32	
	<i>For Painted, Deduct</i>	-0.31	
	<i>For Perforated Or Slotted, Add</i>	0.31	
	<i>For Insulated Cells, Add</i>	1.38	
	<i>For Up To 100, Add</i>	3.79	
	<i>For >100 To 500, Add</i>	1.88	
	<i>For >500 To 1,500, Add</i>	0.79	
05 36 00 00-0026	SF 2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	9.86	
	<i>For Painted, Deduct</i>	-0.32	
	<i>For Perforated Or Slotted, Add</i>	0.32	
	<i>For Insulated Cells, Add</i>	1.45	
	<i>For Up To 100, Add</i>	4.06	
	<i>For >100 To 500, Add</i>	2.01	
	<i>For >500 To 1,500, Add</i>	0.86	
05 36 00 00-0027	SF 2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.02	
	<i>For Painted, Deduct</i>	-0.32	
	<i>For Perforated Or Slotted, Add</i>	0.32	
	<i>For Insulated Cells, Add</i>	1.45	
	<i>For Up To 100, Add</i>	4.22	
	<i>For >100 To 500, Add</i>	2.08	
	<i>For >500 To 1,500, Add</i>	0.90	
05 36 00 00-0028	SF 2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	10.56	
	<i>For Painted, Deduct</i>	-0.34	
	<i>For Perforated Or Slotted, Add</i>	0.34	
	<i>For Insulated Cells, Add</i>	1.51	
	<i>For Up To 100, Add</i>	4.50	
	<i>For >100 To 500, Add</i>	2.21	
	<i>For >500 To 1,500, Add</i>	0.96	
05 36 00 00-0029	SF 3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.18	
	<i>For Painted, Deduct</i>	-0.28	
	<i>For Perforated Or Slotted, Add</i>	0.28	
	<i>For Insulated Cells, Add</i>	1.26	
	<i>For Up To 100, Add</i>	3.12	
	<i>For >100 To 500, Add</i>	1.59	
	<i>For >500 To 1,500, Add</i>	0.64	
05 36 00 00-0030	SF 3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	8.64	
	<i>For Painted, Deduct</i>	-0.29	
	<i>For Perforated Or Slotted, Add</i>	0.29	
	<i>For Insulated Cells, Add</i>	1.31	
	<i>For Up To 100, Add</i>	3.39	
	<i>For >100 To 500, Add</i>	1.71	
	<i>For >500 To 1,500, Add</i>	0.70	
05 36 00 00-0031	SF 3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	8.79	
	<i>For Painted, Deduct</i>	-0.29	
	<i>For Perforated Or Slotted, Add</i>	0.29	
	<i>For Insulated Cells, Add</i>	1.31	
	<i>For Up To 100, Add</i>	3.54	
	<i>For >100 To 500, Add</i>	1.77	
	<i>For >500 To 1,500, Add</i>	0.74	
05 36 00 00-0032	SF 3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.41	
	<i>For Painted, Deduct</i>	-0.31	
	<i>For Perforated Or Slotted, Add</i>	0.31	
	<i>For Insulated Cells, Add</i>	1.39	
	<i>For Up To 100, Add</i>	3.84	
	<i>For >100 To 500, Add</i>	1.91	
	<i>For >500 To 1,500, Add</i>	0.81	
05 36 00 00-0033	SF 3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.02	
	<i>For Painted, Deduct</i>	-0.33	
	<i>For Perforated Or Slotted, Add</i>	0.33	
	<i>For Insulated Cells, Add</i>	1.47	
	<i>For Up To 100, Add</i>	4.13	
	<i>For >100 To 500, Add</i>	2.04	
	<i>For >500 To 1,500, Add</i>	0.87	



Metals	05	05
Metal Decking	05 30	
Composite Metal Decking	05 36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0034 SF 3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.23	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.47	
For Up To 100, Add	4.34	
For >100 To 500, Add	2.13	
For >500 To 1,500, Add	0.92	
05 36 00 00-0035 SF 3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.66	
For Painted, Deduct	-0.34	
For Perforated Or Slotted, Add	0.34	
For Insulated Cells, Add	1.51	
For Up To 100, Add	4.60	
For >100 To 500, Add	2.25	
For >500 To 1,500, Add	0.98	
05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized (05 36)		
05 36 00 00-0037 SF 1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular	6.07	
05 36 00 00-0038 SF 1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular	4.99	
05 36 00 00-0039 SF 1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular	4.14	
05 36 00 00-0040 SF 1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular	3.56	
05 36 00 00-0041 SF 1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular	6.69	
05 36 00 00-0042 SF 1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular	5.44	
05 36 00 00-0043 SF 1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular	4.50	
05 36 00 00-0044 SF 1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular	3.88	
05 36 00 00-0045 SF 3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular	7.71	
05 36 00 00-0046 SF 3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular	6.16	
05 36 00 00-0047 SF 3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular	5.16	
05 36 00 00-0048 SF 3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular	4.66	

05 40 Cold-Formed Metal Framing (05)

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing (05 40)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 41 00 00-0002 SF 2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.09	1.02
For Walls >10' High, Add	1.02	
For Curved Wall, Add	0.71	
For Up To 200, Add	1.49	
For >200 To 500, Add	0.75	
For 12" On Center, Add	0.90	
For 24" On Center, Deduct	-0.90	
05 41 00 00-0003 SF 3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.68	1.02
For Walls >10' High, Add	1.14	
For Curved Wall, Add	0.75	
For Up To 200, Add	1.64	
For >200 To 500, Add	0.82	
For 12" On Center, Add	1.01	
For 24" On Center, Deduct	-1.01	
05 41 00 00-0004 SF 4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.92	1.02
For Walls >10' High, Add	1.18	
For Curved Wall, Add	0.78	
For Up To 200, Add	1.70	
For >200 To 500, Add	0.85	
For 12" On Center, Add	1.05	
For 24" On Center, Deduct	-1.05	
05 41 00 00-0005 SF 6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.49	1.14
For Walls >10' High, Add	1.50	
For Curved Wall, Add	0.81	
For Up To 200, Add	2.04	
For >200 To 500, Add	1.02	
For 12" On Center, Add	1.36	
For 24" On Center, Deduct	-1.36	
05 41 00 00-0006 SF 8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.36	1.25
For Walls >10' High, Add	1.67	
For Curved Wall, Add	0.85	
For Up To 200, Add	2.24	
For >200 To 500, Add	1.12	
For 12" On Center, Add	1.53	
For 24" On Center, Deduct	-1.53	

05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 Metals**05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI UOM		UNIT COST	UNIT COST
05 41 00 00-0008	SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.46	1.02
	<i>For Walls >10' High, Add</i>	1.09	
	<i>For Curved Wall, Add</i>	0.75	
	<i>For Up To 200, Add</i>	1.59	
	<i>For >200 To 500, Add</i>	0.80	
	<i>For 12" On Center, Add</i>	0.97	
	<i>For 24" On Center, Deduct</i>	-0.97	
05 41 00 00-0009	SF 3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.30	1.04
	<i>For Walls >10' High, Add</i>	1.26	
	<i>For Curved Wall, Add</i>	0.79	
	<i>For Up To 200, Add</i>	1.78	
	<i>For >200 To 500, Add</i>	0.89	
	<i>For 12" On Center, Add</i>	1.13	
	<i>For 24" On Center, Deduct</i>	-1.13	
05 41 00 00-0010	SF 4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.65	1.04
	<i>For Walls >10' High, Add</i>	1.33	
	<i>For Curved Wall, Add</i>	0.82	
	<i>For Up To 200, Add</i>	1.88	
	<i>For >200 To 500, Add</i>	0.94	
	<i>For 12" On Center, Add</i>	1.19	
	<i>For 24" On Center, Deduct</i>	-1.19	
05 41 00 00-0011	SF 6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.38	1.25
	<i>For Walls >10' High, Add</i>	1.68	
	<i>For Curved Wall, Add</i>	0.86	
	<i>For Up To 200, Add</i>	2.25	
	<i>For >200 To 500, Add</i>	1.12	
	<i>For 12" On Center, Add</i>	1.53	
	<i>For 24" On Center, Deduct</i>	-1.53	
05 41 00 00-0012	SF 8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.23	1.36
	<i>For Walls >10' High, Add</i>	1.85	
	<i>For Curved Wall, Add</i>	0.90	
	<i>For Up To 200, Add</i>	2.45	
	<i>For >200 To 500, Add</i>	1.22	
	<i>For 12" On Center, Add</i>	1.70	
	<i>For 24" On Center, Deduct</i>	-1.70	
05 41 00 00-0013	14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners^(05 41)		
05 41 00 00-0014	SF 3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.50	1.42
	<i>For Walls >10' High, Add</i>	1.50	
	<i>For Curved Wall, Add</i>	0.95	
	<i>For Up To 200, Add</i>	2.13	
	<i>For >200 To 500, Add</i>	1.07	
	<i>For 12" On Center, Add</i>	1.34	
	<i>For 24" On Center, Deduct</i>	-1.34	
05 41 00 00-0015	SF 4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.71	1.44
	<i>For Walls >10' High, Add</i>	1.54	
	<i>For Curved Wall, Add</i>	0.96	
	<i>For Up To 200, Add</i>	2.18	
	<i>For >200 To 500, Add</i>	1.09	
	<i>For 12" On Center, Add</i>	1.38	
	<i>For 24" On Center, Deduct</i>	-1.38	
05 41 00 00-0016	SF 6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.63	1.52
	<i>For Walls >10' High, Add</i>	1.93	
	<i>For Curved Wall, Add</i>	1.01	
	<i>For Up To 200, Add</i>	2.60	
	<i>For >200 To 500, Add</i>	1.30	
	<i>For 12" On Center, Add</i>	1.76	
	<i>For 24" On Center, Deduct</i>	-1.76	
05 41 00 00-0017	SF 8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	10.56	1.59
	<i>For Walls >10' High, Add</i>	2.11	
	<i>For Curved Wall, Add</i>	1.06	
	<i>For Up To 200, Add</i>	2.82	
	<i>For >200 To 500, Add</i>	1.41	
	<i>For 12" On Center, Add</i>	1.94	
	<i>For 24" On Center, Deduct</i>	-1.94	
05 42 Cold-Formed Metal Joist Framing^(05 40)			
05 42 13 Cold-Formed Metal Floor Joist Framing^(05 42)			
	Note: Floor or roof joist framing		
05 42 13 00-0001 Steel Joists, 20 Gauge^(05 42 13)			
05 42 13 00-0002	LF 5-1/2" - 20 Gauge Steel Joists	10.69	2.43
05 42 13 00-0003	LF 6" - 20 Gauge Steel Joists	11.68	3.06
05 42 13 00-0004	LF 7-1/4" - 20 Gauge Steel Joists	12.61	3.35
05 42 13 00-0005	LF 8" - 20 Gauge Steel Joists	14.14	3.57
05 42 13 00-0006 Steel Joists, 18 Gauge^(05 42 13)			
05 42 13 00-0007	LF 5-1/2" - 18 Gauge Steel Joists	11.90	2.70
05 42 13 00-0008	LF 6" - 18 Gauge Steel Joists	13.02	3.40
05 42 13 00-0009	LF 7-1/4" - 18 Gauge Steel Joists	14.12	3.73



Metals	05	05
Cold-Formed Metal Framing	05 40	
Cold-Formed Metal Joist Framing	05 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 42 13 00-0010 LF 8" - 18 Gauge Steel Joists	14.53	3.96
05 42 13 00-0011 Steel Joists, 16 Gauge (05 42 13)		
05 42 13 00-0012 LF 7-1/4" - 16 Gauge Steel Joists	15.25	3.76
05 42 13 00-0013 LF 8" - 16 Gauge Steel Joists	16.10	3.96
05 42 13 00-0014 Steel Joists, 14 Gauge (05 42 13)		
05 42 13 00-0015 LF 9-1/4" - 14 Gauge Steel Joists	18.15	3.96
05 42 13 00-0016 LF 11-1/2" - 14 Gauge Steel Joists	19.71	4.18
05 42 13 00-0017 Steel Joists, 12 Gauge (05 42 13)		
05 42 13 00-0018 LF 9-1/4" - 12 Gauge Steel Joists	21.58	4.36
05 42 13 00-0019 LF 11-1/2" - 12 Gauge Steel Joists	23.59	4.59
05 42 13 00-0020 Steel Joists, 10 Gauge (05 42 13)		
05 42 13 00-0021 LF 9-1/4" - 10 Gauge Steel Joists	25.08	4.80
05 42 13 00-0022 LF 11-1/2" - 10 Gauge Steel Joists	27.55	5.05
05 42 13 00-0023 Steel Joists, 8 Gauge (05 42 13)		
05 42 13 00-0024 LF 9-1/4" - 8 Gauge Steel Joists	28.63	5.28
05 42 13 00-0025 LF 11-1/2" - 8 Gauge Steel Joists	31.53	5.56
05 42 23 Cold-Formed Metal Roof Joist Framing (05 42)		
See CSI section 05 42 13 00-0000 for metal joist framing.		
05 43 Slotted Channel Framing (05 40)		
05 43 00 00-0001 Unistrut Channel (05 43)		
Note: Excludes fasteners and accessories.		
05 43 00 00-0002 Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0003 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	11.50	2.45
		1.12
For Galvanizing, Add		0.99
For Powder Coating, Add		11.82
05 43 00 00-0004 LF 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	11.82	2.45
		1.18
For Galvanizing, Add		1.04
For Powder Coating, Add		12.32
05 43 00 00-0005 LF 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	12.32	2.45
		1.26
For Galvanizing, Add		1.11
For Powder Coating, Add		10.86
05 43 00 00-0006 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	10.86	2.45
		1.01
For Galvanizing, Add		0.89
For Powder Coating, Add		9.46
05 43 00 00-0007 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel.....	9.46	2.45
		0.78
For Galvanizing, Add		0.68
For Powder Coating, Add		
05 43 00 00-0008 Stainless Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0009 304 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0010 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	24.50	2.45
05 43 00 00-0011 LF 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	29.29	2.45
05 43 00 00-0012 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	28.10	2.45
05 43 00 00-0013 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	35.49	2.45
05 43 00 00-0014 316 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0015 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	40.03	2.45
05 43 00 00-0016 Unistrut Closure Strips (05 43)		
05 43 00 00-0017 LF Steel Raceway Closure Strip For Unistrut Channel	6.05	0.54
05 43 00 00-0018 Lock Nuts With Spring For Unistrut Channel (05 43)		
Note: Includes hex bolt.		
05 43 00 00-0019 Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
Note: Includes hex bolt.		
05 43 00 00-0020 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	7.34	
05 43 00 00-0021 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel	8.02	
05 43 00 00-0022 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	8.53	
05 43 00 00-0023 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	11.29	

05	05 Metals
	05 40 Cold-Formed Metal Framing
	05 43 Slotted Channel Framing



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

05 43 00 00-0024	Stainless Steel Lock Nuts With Spring For Unistrut Channel <small>(05 43 00 00-0018)</small> Note: Includes hex bolt.		
05 43 00 00-0025	EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	14.42	
05 43 00 00-0026	EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	15.29	
05 43 00 00-0027	EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	21.32	
05 43 00 00-0028	EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	35.90	
05 43 00 00-0029	Lock Nuts Without Spring For Unistrut Channel <small>(05 43)</small> Note: Includes hex bolt.		
05 43 00 00-0030	Steel Lock Nuts Without Spring For Unistrut Channel <small>(05 43 00 00-0029)</small> Note: Includes hex bolt.		
05 43 00 00-0031	EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	7.36	
05 43 00 00-0032	EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	8.12	
05 43 00 00-0033	EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	8.57	
05 43 00 00-0034	EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	12.09	
05 43 00 00-0035	Stainless Steel Lock Nuts Without Spring For Unistrut Channel <small>(05 43 00 00-0029)</small> Note: Includes hex bolt.		
05 43 00 00-0036	EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	10.56	
05 43 00 00-0037	EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	12.56	
05 43 00 00-0038	EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.62	
05 43 00 00-0039	EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	35.00	
05 43 00 00-0040	Beam Clamp For Unistrut Channel <small>(05 43)</small>		
05 43 00 00-0041	EA 1-5/8" Channel, P2675 Unistrut Beam Clamp.....	23.31	8.13
05 43 00 00-0042	EA 1-5/8" Channel, P2676 Unistrut Beam Clamp.....	29.87	8.13
05 43 00 00-0043	EA Add For Unistrut Swivel Nut, P2676.....	3.57	
05 43 00 00-0044	Beam Clamp Clevis Hangers For Unistrut Channel <small>(05 43)</small>		
05 43 00 00-0045	EA Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674).....	25.59	8.13
05 43 00 00-0046	EA Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677).....	30.81	8.13
05 43 00 00-0047	EA Add For Unistrut Swivel Nut.....	3.57	
05 43 00 00-0048	EA 6-Hole ElectroGalvanized Steel Shelf Bracket For Unistrut.....	173.60	10.84
05 43 00 00-0049	Pipe And Rigid Conduit Clamps <small>(05 43)</small>		
05 43 00 00-0050	Pipe And Rigid Conduit Clamps <small>(05 43 00 00-0049)</small> Note: Includes stainless steel (316) hardware.		
05 43 00 00-0051	PR 1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.64	2.82
05 43 00 00-0052	PR 3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.83	2.82
05 43 00 00-0053	PR 1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	10.21	3.41
05 43 00 00-0054	PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	10.81	3.70
05 43 00 00-0055	PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	13.64	4.14
05 43 00 00-0056	PR 2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	13.64	4.14
05 43 00 00-0057	PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	21.04	6.95
05 43 00 00-0058	PR 3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	21.41	6.95
05 43 00 00-0059	PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	22.92	7.69
05 43 00 00-0060	PR 4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	25.36	8.29
05 43 00 00-0061	Pipe And Rigid Conduit Clamps <small>(05 43 00 00-0049)</small> Note: Includes nylon hardware.		
05 43 00 00-0062	PR 1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	11.67	2.82
05 43 00 00-0063	PR 3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	12.04	2.82
05 43 00 00-0064	PR 1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	13.42	3.41
05 43 00 00-0065	PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	14.14	3.70
05 43 00 00-0066	PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	18.85	4.14
05 43 00 00-0067	PR 2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	18.85	4.14
05 43 00 00-0068	PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	28.07	6.95
05 43 00 00-0069	PR 3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	28.81	6.95
05 43 00 00-0070	PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	30.43	7.69
05 43 00 00-0071	PR 4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	33.90	8.29

05 45 Metal Support Assemblies (05 40)

- 05 45 13 Mechanical Metal Supports** (05 45)
See CSI section 23 05 29 00-0000 for metal supports.
- 05 45 16 Electrical Metal Supports** (05 45)
See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications (05)

05 51 Metal Stairs (05 50)



Metals	05	05
Metal Fabrications	05 50	
Metal Stairs	05 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 13 Metal Pan Stairs <small>(05 51)</small>		
<small>Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail. See CSI section 05 52 13 00-0000 for handrails.</small>		
05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing <small>(05 51 13)</small>		
<small>Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.</small>		
05 51 13 00-0002 RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	1,027.20	31.80
<i>For Closed Riser, Add</i>	118.90	
05 51 13 00-0003 RSR 4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,167.02	37.09
<i>For Closed Riser, Add</i>	134.95	
05 51 13 00-0004 RSR 5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,299.50	43.45
<i>For Closed Riser, Add</i>	149.98	
05 51 13 00-0005 SF Concrete Filled Steel Pan Landing	83.30	5.30
<small>Note: Conventional shape.</small>		
05 51 19 Metal Grating Stairs <small>(05 51)</small>		
<small>Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.</small>		
05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing <small>(05 51 19)</small>		
<small>Note: Includes steel stringers, safety nosing and 2 pipe handrail.</small>		
05 51 19 00-0002 RSR 3'-6" Wide Open Steel Grating Tread Metal Stair	496.29	42.39
<i>For Closed Riser, Add</i>	59.85	
<i>For Galvanized Steel, Add</i>	102.88	
05 51 19 00-0003 RSR 4'-0" Wide Open Steel Grating Tread Metal Stair	528.60	48.75
<i>For Closed Riser, Add</i>	63.36	
<i>For Galvanized Steel, Add</i>	107.78	
05 51 19 00-0004 RSR 5'-0" Wide Open Steel Grating Tread Metal Stair	584.75	57.23
<i>For Closed Riser, Add</i>	69.72	
<i>For Galvanized Steel, Add</i>	117.57	
05 51 19 00-0005 SF Steel Grating Landing With Framing And 2 Pipe Handrail	91.74	5.30
<small>Note: Conventional shape.</small>		
<i>For Galvanized Steel, Add</i>	17.64	
05 51 33 Metal Ladders <small>(05 51)</small>		
<small>Note: Includes factory prime.</small>		
05 51 33 13 Vertical Metal Ladders <small>(05 51 33)</small>		
05 51 33 13-0001 Vertical Ladders <small>(05 51 33 13)</small>		
<small>Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"</small>		
05 51 33 13-0002 VLF 20" Wide Vertical Steel Ladder Primed	89.77	12.72
<i>For Galvanized Steel, Add</i>	12.47	
<i>For Aluminum, Add</i>	24.94	
05 51 33 13-0003 VLF 24" Wide Vertical Steel Ladder Primed	102.41	12.72
<i>For Galvanized Steel, Add</i>	15.63	
<i>For Aluminum, Add</i>	31.26	
05 51 33 13-0004 VLF 20" Wide Vertical Steel Caged Ladder Primed	212.45	21.20
<i>For Galvanized Steel, Add</i>	36.22	
<i>For Aluminum, Add</i>	72.45	
05 51 33 13-0005 VLF 24" Wide Vertical Steel Caged Ladder Primed	237.72	21.20
<i>For Galvanized Steel, Add</i>	42.54	
<i>For Aluminum, Add</i>	85.09	
05 51 33 13-0006 Vertical Ladders Options <small>(05 51 33 13)</small>		
05 51 33 13-0007 EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed	355.73	39.74
<small>Note: Extends 42" above landing surface. Includes mounting bracket.</small>		
<i>For Galvanized Steel, Add</i>	69.06	
<i>For Aluminum, Add</i>	138.12	
05 51 33 13-0008 EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed	389.47	42.39
<small>Note: Extends 42" above landing surface. Includes mounting bracket.</small>		
<i>For Galvanized Steel, Add</i>	76.17	
<i>For Aluminum, Add</i>	152.34	
05 51 33 13-0009 EA Security Cage Entry Gate With Lockable Hasp	534.30	13.25
05 51 33 13-0010 EA 6' Security Ladder Guard	1,140.04	79.49
05 51 33 13-0011 EA 8' Security Ladder Guard	1,363.56	92.73
05 51 33 13-0012 EA Safety Chain Attachment	208.07	
05 51 33 13-0013 Welded Steel Ladder Cages <small>(05 51 33 13)</small>		
<small>Note: For existing fixed ladders up to 20" wide. Excludes the ladder.</small>		
05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages <small>(05 51 33 13-0013)</small>		
05 51 33 13-0015 EA 7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,104.58	158.97
05 51 33 13-0016 EA 8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,286.63	164.27
05 51 33 13-0017 EA 9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,431.42	169.57
05 51 33 13-0018 EA 10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,586.14	174.87
05 51 33 13-0019 EA 11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,676.26	180.16
05 51 33 13-0020 EA 12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,823.53	185.46
05 51 33 13-0021 EA 13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,953.40	190.76
05 51 33 13-0022 EA 14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,123.03	196.06
05 51 33 13-0023 EA 15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,287.69	201.36
05 51 33 13-0024 EA 16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,422.53	206.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0025 EA 17-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,587.20	211.96
05 51 33 13-0026 EA 18-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,746.89	217.26
05 51 33 13-0027 EA 19-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,904.10	222.56
05 51 33 13-0028 EA 20-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	4,190.52	227.86
05 51 33 13-0029 EA 21-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	4,275.65	233.16
05 51 33 13-0030 EA 22-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	4,422.92	238.46
05 51 33 13-0031 EA 23-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	4,557.77	243.76
05 51 33 13-0032 EA 24-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	4,682.67	249.05
05 51 33 13-0033 EA 25-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	4,961.64	254.35
05 51 33 13-0034 EA 26-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	5,111.40	259.65
05 51 33 13-0035 EA 27-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	5,251.21	264.95
05 51 33 13-0036 Stainless Steel, Welded Steel Ladder Cages (05 51 33 13-0013)		
05 51 33 13-0037 EA 7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,042.86	158.97
05 51 33 13-0038 EA 8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,387.90	164.27
05 51 33 13-0039 EA 9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,963.02	169.57
05 51 33 13-0040 EA 10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,246.40	174.87
05 51 33 13-0041 EA 11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,484.70	180.16
05 51 33 13-0042 EA 12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,801.29	185.46
05 51 33 13-0043 EA 13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,371.67	190.76
05 51 33 13-0044 EA 14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,659.77	196.06
05 51 33 13-0045 EA 15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,957.38	201.36
05 51 33 13-0046 EA 16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	8,283.45	206.66
05 51 33 13-0047 EA 17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	8,865.69	211.96
05 51 33 13-0048 EA 18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	9,156.18	217.26
05 51 33 13-0049 EA 19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	9,432.44	222.56
05 51 33 13-0050 EA 20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	9,891.34	227.86
05 51 33 13-0051 EA 21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	10,407.14	233.16
05 51 33 13-0052 EA 22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	10,692.89	238.46
05 51 33 13-0053 EA 23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	10,985.75	243.76
05 51 33 13-0054 EA 24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	11,259.64	249.05
05 51 33 13-0055 EA 25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	11,965.22	254.35
05 51 33 13-0056 EA 26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	12,239.10	259.65
05 51 33 13-0057 EA 27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	12,520.11	264.95
05 51 33 16 Inclined Metal Ladders (05 51 33)		
05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs (05 51 33 16)		
Note: Includes factory prime.		
05 51 33 16-0002 RSR 3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	352.27	52.99
For Aluminum, Add	123.15	
05 51 33 23 Alternating Tread Ladders (05 51 33)		
05 51 33 23-0001 Vertical Ladders With Alternating Tread (05 51 33 23)		
05 51 33 23-0002 EA 4' Vertical Height Aluminum Alternating Tread Ladder.....	2,296.52	158.97
For Stainless Steel, Add	211.99	
For Primed Steel, Deduct	-176.66	
05 51 33 23-0003 EA 5' Vertical Height Aluminum Alternating Tread Ladder.....	2,631.72	168.50
For Stainless Steel, Add	258.31	
For Primed Steel, Deduct	-201.48	
05 51 33 23-0004 EA 6' Vertical Height Aluminum Alternating Tread Ladder.....	2,924.16	168.50
For Stainless Steel, Add	306.66	
For Primed Steel, Deduct	-224.10	
05 51 33 23-0005 EA 7' Vertical Height Aluminum Alternating Tread Ladder.....	3,335.95	211.75
For Stainless Steel, Add	354.97	
For Primed Steel, Deduct	-243.22	
05 51 33 23-0006 EA 8' Vertical Height Aluminum Alternating Tread Ladder.....	3,664.98	219.25
For Stainless Steel, Add	410.77	
For Primed Steel, Deduct	-264.07	
05 51 33 23-0007 EA 9' Vertical Height Aluminum Alternating Tread Ladder.....	3,923.38	219.25
For Stainless Steel, Add	462.91	
For Primed Steel, Deduct	-279.34	
05 51 33 23-0008 EA 10' Vertical Height Aluminum Alternating Tread Ladder.....	4,308.02	244.56
For Stainless Steel, Add	523.92	
For Primed Steel, Deduct	-296.89	
05 51 33 23-0009 EA 11' Vertical Height Aluminum Alternating Tread Ladder.....	4,597.53	244.56
For Stainless Steel, Add	586.26	
For Primed Steel, Deduct	-312.04	
05 51 33 23-0010 EA 12' Vertical Height Aluminum Alternating Tread Ladder.....	4,822.78	244.56
For Stainless Steel, Add	641.21	
For Primed Steel, Deduct	-320.60	
05 52 Metal Railings (05 50)		
05 52 13 Pipe and Tube Railings (05 52)		
Note: Includes sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).		



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0001 Welded Steel Pipe Railing ^(05 52 13) Note: Includes field welds and touch-up of welds.		
05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings ^(05 52 13 00-0001) Note: Includes factory primed posts and one rail.		
05 52 13 00-0003 LF 1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	36.75	10.60
For Schedule 80 Handrail, Add	4.59	
For 11 Gauge A513 Steel Tubing, Deduct	-3.42	
For 12 Gauge A513 Steel Tubing, Deduct	-3.89	
For 14 Gauge A513 Steel Tubing, Deduct	-5.13	
For 16 Gauge A513 Steel Tubing, Deduct	-6.06	
For Additional Off Set Handrail, ADA Attachment, Add	13.57	
For Aluminum, Satin Finish, Add	6.53	
For Aluminum, Clear Anodized Finish, Add	10.11	
For Aluminum, Dark Anodized Finish, Add	11.66	
For Galvanizing, Add	6.22	
For Wrought Iron, Add	3.68	
For Solid Steel Rails, Add	7.35	
For 304 Stainless Steel, Add	49.76	
For 316 Stainless Steel, Add	55.98	
For 2" Wheel Guard, Add	1.48	
For 4" High Kick Plate, Add	1.94	
For 6" High Kick Plate, Add	3.11	
For Curved Rail, Add	15.69	
For Mounting On Stairs, Add	11.03	
For Mounting On Slopes, Add	3.68	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
For Custom Design Or Shapes (Square Tops, etc), Add	13.08	
For Nylon Coating, Add	2.33	
05 52 13 00-0004 LF 1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	39.43	10.60
For Schedule 80 Handrail, Add	7.18	
For 11 Gauge A513 Steel Tubing, Deduct	-4.01	
For 12 Gauge A513 Steel Tubing, Deduct	-4.56	
For 14 Gauge A513 Steel Tubing, Deduct	-6.02	
For 16 Gauge A513 Steel Tubing, Deduct	-7.11	
For Additional Off Set Handrail, ADA Attachment, Add	15.18	
For Aluminum, Satin Finish, Add	7.66	
For Aluminum, Clear Anodized Finish, Add	11.85	
For Aluminum, Dark Anodized Finish, Add	13.67	
For Galvanizing, Add	7.29	
For Wrought Iron, Add	3.94	
For Solid Steel Rails, Add	7.89	
For 304 Stainless Steel, Add	58.34	
For 316 Stainless Steel, Add	65.63	
For 2" Wheel Guard, Add	1.73	
For 4" High Kick Plate, Add	2.28	
For 6" High Kick Plate, Add	3.65	
For Curved Rail, Add	17.30	
For Mounting On Stairs, Add	11.83	
For Mounting On Slopes, Add	3.94	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
For Custom Design Or Shapes (Square Tops, etc), Add	14.42	
For Nylon Coating, Add	2.73	
05 52 13 00-0005 LF 1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	42.11	10.60
For Schedule 80 Handrail, Add	7.18	
For 11 Gauge A513 Steel Tubing, Deduct	-4.60	
For 12 Gauge A513 Steel Tubing, Deduct	-5.23	
For 14 Gauge A513 Steel Tubing, Deduct	-6.90	
For 16 Gauge A513 Steel Tubing, Deduct	-8.15	
For Additional Off Set Handrail, ADA Attachment, Add	16.78	
For Aluminum, Satin Finish, Add	8.78	
For Aluminum, Clear Anodized Finish, Add	13.59	
For Aluminum, Dark Anodized Finish, Add	15.68	
For Galvanizing, Add	8.36	
For Wrought Iron, Add	4.21	
For Solid Steel Rails, Add	8.42	
For 304 Stainless Steel, Add	66.91	
For 316 Stainless Steel, Add	75.28	
For 2" Wheel Guard, Add	1.99	
For 4" High Kick Plate, Add	2.61	
For 6" High Kick Plate, Add	4.18	
For Curved Rail, Add	18.91	
For Mounting On Stairs, Add	12.63	
For Mounting On Slopes, Add	4.21	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
For Custom Design Or Shapes (Square Tops, etc), Add	15.76	
For Nylon Coating, Add	3.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0006 LF 2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	46.75	10.60
For Schedule 80 Handrail, Add	8.22	
For 11 Gauge A513 Steel Tubing, Deduct	-5.62	
For 12 Gauge A513 Steel Tubing, Deduct	-6.39	
For 14 Gauge A513 Steel Tubing, Deduct	-8.43	
For 16 Gauge A513 Steel Tubing, Deduct	-9.96	
For Additional Off Set Handrail, ADA Attachment, Add	19.57	
For Aluminum, Satin Finish, Add	10.73	
For Aluminum, Clear Anodized Finish, Add	16.61	
For Aluminum, Dark Anodized Finish, Add	19.16	
For Galvanizing, Add	10.22	
For Wrought Iron, Add	4.68	
For Solid Steel Rails, Add	9.35	
For 304 Stainless Steel, Add	81.76	
For 316 Stainless Steel, Add	91.98	
For 2" Wheel Guard, Add	2.43	
For 4" High Kick Plate, Add	3.19	
For 6" High Kick Plate, Add	5.11	
For Curved Rail, Add	21.69	
For Mounting On Stairs, Add	14.03	
For Mounting On Slopes, Add	4.68	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
For Custom Design Or Shapes (Square Tops, etc), Add	18.08	
For Nylon Coating, Add	3.83	
05 52 13 00-0007 LF 2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	52.32	10.60
For Schedule 80 Handrail, Add	9.28	
For 11 Gauge A513 Steel Tubing, Deduct	-6.85	
For 12 Gauge A513 Steel Tubing, Deduct	-7.78	
For 14 Gauge A513 Steel Tubing, Deduct	-10.27	
For 16 Gauge A513 Steel Tubing, Deduct	-12.14	
For Additional Off Set Handrail, ADA Attachment, Add	22.91	
For Aluminum, Satin Finish, Add	13.07	
For Aluminum, Clear Anodized Finish, Add	20.23	
For Aluminum, Dark Anodized Finish, Add	23.34	
For Galvanizing, Add	12.45	
For Wrought Iron, Add	5.23	
For Solid Steel Rails, Add	10.46	
For 304 Stainless Steel, Add	99.58	
For 316 Stainless Steel, Add	112.03	
For 2" Wheel Guard, Add	2.96	
For 4" High Kick Plate, Add	3.89	
For 6" High Kick Plate, Add	6.22	
For Curved Rail, Add	25.03	
For Mounting On Stairs, Add	15.70	
For Mounting On Slopes, Add	5.23	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
For Custom Design Or Shapes (Square Tops, etc), Add	20.86	
For Nylon Coating, Add	4.67	
05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13 00-0001)</small>		
Note: Includes factory primed posts and two rails.		
05 52 13 00-0009 LF 1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	48.41	10.60
For Schedule 80 Handrail, Add	4.59	
For 11 Gauge A513 Steel Tubing, Deduct	-5.99	
For 12 Gauge A513 Steel Tubing, Deduct	-6.80	
For 14 Gauge A513 Steel Tubing, Deduct	-8.98	
For 16 Gauge A513 Steel Tubing, Deduct	-10.61	
For Additional Off Set Handrail, ADA Attachment, Add	13.57	
For Aluminum, Satin Finish, Add	11.43	
For Aluminum, Clear Anodized Finish, Add	17.69	
For Aluminum, Dark Anodized Finish, Add	20.41	
For Galvanizing, Add	10.88	
For Wrought Iron, Add	4.84	
For Solid Steel Rails, Add	9.68	
For 304 Stainless Steel, Add	87.07	
For 316 Stainless Steel, Add	97.96	
For 2" Wheel Guard, Add	2.58	
For 4" High Kick Plate, Add	3.40	
For 6" High Kick Plate, Add	5.44	
For Curved Rail, Add	22.69	
For Mounting On Stairs, Add	14.52	
For Mounting On Slopes, Add	4.84	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
For Custom Design Or Shapes (Square Tops, etc), Add	18.91	
For Nylon Coating, Add	4.08	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010 LF 1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	53.10	10.60
For Schedule 80 Handrail, Add	7.18	
For 11 Gauge A513 Steel Tubing, Deduct	-7.02	
For 12 Gauge A513 Steel Tubing, Deduct	-7.98	
For 14 Gauge A513 Steel Tubing, Deduct	-10.53	
For 16 Gauge A513 Steel Tubing, Deduct	-12.44	
For Additional Off Set Handrail, ADA Attachment, Add	15.18	
For Aluminum, Satin Finish, Add	13.40	
For Aluminum, Clear Anodized Finish, Add	20.74	
For Aluminum, Dark Anodized Finish, Add	23.93	
For Galvanizing, Add	12.76	
For Wrought Iron, Add	5.31	
For Solid Steel Rails, Add	10.62	
For 304 Stainless Steel, Add	102.08	
For 316 Stainless Steel, Add	114.84	
For 2" Wheel Guard, Add	3.03	
For 4" High Kick Plate, Add	3.99	
For 6" High Kick Plate, Add	6.38	
For Curved Rail, Add	25.50	
For Mounting On Stairs, Add	15.93	
For Mounting On Slopes, Add	5.31	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
For Custom Design Or Shapes (Square Tops, etc), Add	21.25	
For Nylon Coating, Add	4.79	
05 52 13 00-0011 LF 1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	57.78	10.60
For Schedule 80 Handrail, Add	7.18	
For 11 Gauge A513 Steel Tubing, Deduct	-8.05	
For 12 Gauge A513 Steel Tubing, Deduct	-9.15	
For 14 Gauge A513 Steel Tubing, Deduct	-12.07	
For 16 Gauge A513 Steel Tubing, Deduct	-14.27	
For Additional Off Set Handrail, ADA Attachment, Add	16.78	
For Aluminum, Satin Finish, Add	15.36	
For Aluminum, Clear Anodized Finish, Add	23.78	
For Aluminum, Dark Anodized Finish, Add	27.44	
For Galvanizing, Add	14.63	
For Wrought Iron, Add	5.78	
For Solid Steel Rails, Add	11.56	
For 304 Stainless Steel, Add	117.06	
For 316 Stainless Steel, Add	131.69	
For 2" Wheel Guard, Add	3.48	
For 4" High Kick Plate, Add	4.57	
For 6" High Kick Plate, Add	7.32	
For Curved Rail, Add	28.31	
For Mounting On Stairs, Add	17.33	
For Mounting On Slopes, Add	5.78	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
For Custom Design Or Shapes (Square Tops, etc), Add	23.59	
For Nylon Coating, Add	5.49	
05 52 13 00-0012 LF 2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	65.91	10.60
For Schedule 80 Handrail, Add	8.22	
For 11 Gauge A513 Steel Tubing, Deduct	-9.84	
For 12 Gauge A513 Steel Tubing, Deduct	-11.18	
For 14 Gauge A513 Steel Tubing, Deduct	-14.75	
For 16 Gauge A513 Steel Tubing, Deduct	-17.44	
For Additional Off Set Handrail, ADA Attachment, Add	19.57	
For Aluminum, Satin Finish, Add	18.78	
For Aluminum, Clear Anodized Finish, Add	29.06	
For Aluminum, Dark Anodized Finish, Add	33.53	
For Galvanizing, Add	17.88	
For Wrought Iron, Add	6.59	
For Solid Steel Rails, Add	13.18	
For 304 Stainless Steel, Add	143.07	
For 316 Stainless Steel, Add	160.96	
For 2" Wheel Guard, Add	4.25	
For 4" High Kick Plate, Add	5.59	
For 6" High Kick Plate, Add	8.94	
For Curved Rail, Add	33.19	
For Mounting On Stairs, Add	19.77	
For Mounting On Slopes, Add	6.59	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
For Custom Design Or Shapes (Square Tops, etc), Add	27.66	
For Nylon Coating, Add	6.71	

05	05 Metals
	05 50 Metal Fabrications
	05 52 Metal Railings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0013 LF 2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	75.65	10.60
For Schedule 80 Handrail, Add	9.28	
For 11 Gauge A513 Steel Tubing, Deduct	-11.98	
For 12 Gauge A513 Steel Tubing, Deduct	-13.61	
For 14 Gauge A513 Steel Tubing, Deduct	-17.97	
For 16 Gauge A513 Steel Tubing, Deduct	-21.24	
For Additional Off Set Handrail, ADA Attachment, Add	22.91	
For Aluminum, Satin Finish, Add	22.87	
For Aluminum, Clear Anodized Finish, Add	35.39	
For Aluminum, Dark Anodized Finish, Add	40.84	
For Galvanizing, Add	21.78	
For Wrought Iron, Add	7.57	
For Solid Steel Rails, Add	15.13	
For 304 Stainless Steel, Add	174.24	
For 316 Stainless Steel, Add	196.02	
For 2" Wheel Guard, Add	5.17	
For 4" High Kick Plate, Add	6.81	
For 6" High Kick Plate, Add	10.89	
For Curved Rail, Add	39.03	
For Mounting On Stairs, Add	22.70	
For Mounting On Slopes, Add	7.57	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.68	
For Custom Design Or Shapes (Square Tops, etc), Add	32.53	
For Nylon Coating, Add	8.17	
05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
Note: Includes factory primed posts and three rails.		
05 52 13 00-0015 LF 1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	75.42	12.72
For Schedule 80 Handrail, Add	6.66	
For 11 Gauge A513 Steel Tubing, Deduct	-11.00	
For 12 Gauge A513 Steel Tubing, Deduct	-12.50	
For 14 Gauge A513 Steel Tubing, Deduct	-16.50	
For 16 Gauge A513 Steel Tubing, Deduct	-19.50	
For Additional Off Set Handrail, ADA Attachment, Add	14.42	
For Aluminum, Satin Finish, Add	21.00	
For Aluminum, Clear Anodized Finish, Add	32.49	
For Aluminum, Dark Anodized Finish, Add	37.49	
For Galvanizing, Add	20.00	
For Wrought Iron, Add	7.54	
For Solid Steel Rails, Add	15.08	
For 304 Stainless Steel, Add	159.97	
For 316 Stainless Steel, Add	179.96	
For 2" Wheel Guard, Add	4.75	
For 4" High Kick Plate, Add	6.25	
For 6" High Kick Plate, Add	10.00	
For Curved Rail, Add	37.62	
For Mounting On Stairs, Add	22.63	
For Mounting On Slopes, Add	7.54	
For Post Base Flange With Screws, Add Per Post	20.04	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
For Custom Design Or Shapes (Square Tops, etc), Add	31.35	
For Nylon Coating, Add	7.50	
05 52 13 00-0016 LF 1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	84.03	12.72
For Schedule 80 Handrail, Add	10.11	
For 11 Gauge A513 Steel Tubing, Deduct	-12.89	
For 12 Gauge A513 Steel Tubing, Deduct	-14.65	
For 14 Gauge A513 Steel Tubing, Deduct	-19.34	
For 16 Gauge A513 Steel Tubing, Deduct	-22.85	
For Additional Off Set Handrail, ADA Attachment, Add	16.03	
For Aluminum, Satin Finish, Add	24.61	
For Aluminum, Clear Anodized Finish, Add	38.09	
For Aluminum, Dark Anodized Finish, Add	43.95	
For Galvanizing, Add	23.44	
For Wrought Iron, Add	8.40	
For Solid Steel Rails, Add	16.81	
For 304 Stainless Steel, Add	187.52	
For 316 Stainless Steel, Add	210.96	
For 2" Wheel Guard, Add	5.57	
For 4" High Kick Plate, Add	7.33	
For 6" High Kick Plate, Add	11.72	
For Curved Rail, Add	42.79	
For Mounting On Stairs, Add	25.21	
For Mounting On Slopes, Add	8.40	
For Post Base Flange With Screws, Add Per Post	20.04	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
For Custom Design Or Shapes (Square Tops, etc), Add	35.66	
For Nylon Coating, Add	8.79	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0017 LF 1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	92.64	12.72
For Schedule 80 Handrail, Add	10.11	
For 11 Gauge A513 Steel Tubing, Deduct	-14.79	
For 12 Gauge A513 Steel Tubing, Deduct	-16.80	
For 14 Gauge A513 Steel Tubing, Deduct	-22.18	
For 16 Gauge A513 Steel Tubing, Deduct	-26.21	
For Additional Off Set Handrail, ADA Attachment, Add	17.63	
For Aluminum, Satin Finish, Add	28.23	
For Aluminum, Clear Anodized Finish, Add	43.69	
For Aluminum, Dark Anodized Finish, Add	50.41	
For Galvanizing, Add	26.88	
For Wrought Iron, Add	9.26	
For Solid Steel Rails, Add	18.53	
For 304 Stainless Steel, Add	215.07	
For 316 Stainless Steel, Add	241.96	
For 2" Wheel Guard, Add	6.38	
For 4" High Kick Plate, Add	8.40	
For 6" High Kick Plate, Add	13.44	
For Curved Rail, Add	47.96	
For Mounting On Stairs, Add	27.79	
For Mounting On Slopes, Add	9.26	
For Post Base Flange With Screws, Add Per Post	20.04	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
For Custom Design Or Shapes (Square Tops, etc), Add	39.96	
For Nylon Coating, Add	10.08	
05 52 13 00-0018 LF 2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	107.60	12.72
For Schedule 80 Handrail, Add	11.50	
For 11 Gauge A513 Steel Tubing, Deduct	-18.08	
For 12 Gauge A513 Steel Tubing, Deduct	-20.54	
For 14 Gauge A513 Steel Tubing, Deduct	-27.12	
For 16 Gauge A513 Steel Tubing, Deduct	-32.05	
For Additional Off Set Handrail, ADA Attachment, Add	20.42	
For Aluminum, Satin Finish, Add	34.51	
For Aluminum, Clear Anodized Finish, Add	53.41	
For Aluminum, Dark Anodized Finish, Add	61.63	
For Galvanizing, Add	32.87	
For Wrought Iron, Add	10.76	
For Solid Steel Rails, Add	21.52	
For 304 Stainless Steel, Add	262.94	
For 316 Stainless Steel, Add	295.81	
For 2" Wheel Guard, Add	7.81	
For 4" High Kick Plate, Add	10.27	
For 6" High Kick Plate, Add	16.43	
For Curved Rail, Add	56.93	
For Mounting On Stairs, Add	32.28	
For Mounting On Slopes, Add	10.76	
For Post Base Flange With Screws, Add Per Post	20.04	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
For Custom Design Or Shapes (Square Tops, etc), Add	47.44	
For Nylon Coating, Add	12.33	
05 52 13 00-0019 LF 2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	125.42	12.72
For Schedule 80 Handrail, Add	12.92	
For 11 Gauge A513 Steel Tubing, Deduct	-22.00	
For 12 Gauge A513 Steel Tubing, Deduct	-25.00	
For 14 Gauge A513 Steel Tubing, Deduct	-33.00	
For 16 Gauge A513 Steel Tubing, Deduct	-39.00	
For Additional Off Set Handrail, ADA Attachment, Add	23.76	
For Aluminum, Satin Finish, Add	42.00	
For Aluminum, Clear Anodized Finish, Add	64.99	
For Aluminum, Dark Anodized Finish, Add	74.99	
For Galvanizing, Add	40.00	
For Wrought Iron, Add	12.54	
For Solid Steel Rails, Add	25.08	
For 304 Stainless Steel, Add	319.97	
For 316 Stainless Steel, Add	359.96	
For 2" Wheel Guard, Add	9.50	
For 4" High Kick Plate, Add	12.50	
For 6" High Kick Plate, Add	20.00	
For Curved Rail, Add	67.62	
For Mounting On Stairs, Add	37.63	
For Mounting On Slopes, Add	12.54	
For Post Base Flange With Screws, Add Per Post	20.04	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
For Custom Design Or Shapes (Square Tops, etc), Add	56.35	
For Nylon Coating, Add	15.00	

05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)
 Note: Includes factory primed posts and four rails.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52	13 00-0021	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	91.04	14.83
			<i>For Schedule 80 Handrail, Add</i>	9.00	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-13.50	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-15.34	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-20.25	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-23.93	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	15.27	
			<i>For Aluminum, Satin Finish, Add</i>	25.77	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	39.88	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	46.02	
			<i>For Galvanizing, Add</i>	24.54	
			<i>For Wrought Iron, Add</i>	9.10	
			<i>For Solid Steel Rails, Add</i>	18.21	
			<i>For 304 Stainless Steel, Add</i>	196.35	
			<i>For 316 Stainless Steel, Add</i>	220.90	
			<i>For 2" Wheel Guard, Add</i>	5.83	
			<i>For 4" High Kick Plate, Add</i>	7.67	
			<i>For 6" High Kick Plate, Add</i>	12.27	
			<i>For Curved Rail, Add</i>	45.72	
			<i>For Mounting On Stairs, Add</i>	27.31	
			<i>For Mounting On Slopes, Add</i>	9.10	
			<i>For Post Base Flange With Screws, Add Per Post</i>	20.47	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.95	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	38.10	
			<i>For Nylon Coating, Add</i>	9.20	
05 52	13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	98.68	14.83
			<i>For Schedule 80 Handrail, Add</i>	13.31	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-15.18	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-17.25	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-22.77	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-26.91	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	16.88	
			<i>For Aluminum, Satin Finish, Add</i>	28.98	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	44.85	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	51.75	
			<i>For Galvanizing, Add</i>	27.60	
			<i>For Wrought Iron, Add</i>	9.87	
			<i>For Solid Steel Rails, Add</i>	19.74	
			<i>For 304 Stainless Steel, Add</i>	220.80	
			<i>For 316 Stainless Steel, Add</i>	248.40	
			<i>For 2" Wheel Guard, Add</i>	6.56	
			<i>For 4" High Kick Plate, Add</i>	8.63	
			<i>For 6" High Kick Plate, Add</i>	13.80	
			<i>For Curved Rail, Add</i>	50.30	
			<i>For Mounting On Stairs, Add</i>	29.60	
			<i>For Mounting On Slopes, Add</i>	9.87	
			<i>For Post Base Flange With Screws, Add Per Post</i>	20.47	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.95	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	41.92	
			<i>For Nylon Coating, Add</i>	10.35	
05 52	13 00-0023	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	106.33	14.83
			<i>For Schedule 80 Handrail, Add</i>	13.31	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-16.86	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-19.16	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-25.29	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-29.89	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	18.48	
			<i>For Aluminum, Satin Finish, Add</i>	32.19	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	49.82	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	57.49	
			<i>For Galvanizing, Add</i>	30.66	
			<i>For Wrought Iron, Add</i>	10.63	
			<i>For Solid Steel Rails, Add</i>	21.27	
			<i>For 304 Stainless Steel, Add</i>	245.28	
			<i>For 316 Stainless Steel, Add</i>	275.94	
			<i>For 2" Wheel Guard, Add</i>	7.28	
			<i>For 4" High Kick Plate, Add</i>	9.58	
			<i>For 6" High Kick Plate, Add</i>	15.33	
			<i>For Curved Rail, Add</i>	54.89	
			<i>For Mounting On Stairs, Add</i>	31.90	
			<i>For Mounting On Slopes, Add</i>	10.63	
			<i>For Post Base Flange With Screws, Add Per Post</i>	20.47	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.95	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	45.75	
			<i>For Nylon Coating, Add</i>	11.50	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024 LF 2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	123.35	14.83
For Schedule 80 Handrail, Add	15.05	
For 11 Gauge A513 Steel Tubing, Deduct	-20.61	
For 12 Gauge A513 Steel Tubing, Deduct	-23.42	
For 14 Gauge A513 Steel Tubing, Deduct	-30.91	
For 16 Gauge A513 Steel Tubing, Deduct	-36.53	
For Additional Off Set Handrail, ADA Attachment, Add	21.27	
For Aluminum, Satin Finish, Add	39.34	
For Aluminum, Clear Anodized Finish, Add	60.89	
For Aluminum, Dark Anodized Finish, Add	70.25	
For Galvanizing, Add	37.47	
For Wrought Iron, Add	12.34	
For Solid Steel Rails, Add	24.67	
For 304 Stainless Steel, Add	299.74	
For 316 Stainless Steel, Add	337.21	
For 2" Wheel Guard, Add	8.90	
For 4" High Kick Plate, Add	11.71	
For 6" High Kick Plate, Add	18.73	
For Curved Rail, Add	65.11	
For Mounting On Stairs, Add	37.01	
For Mounting On Slopes, Add	12.34	
For Post Base Flange With Screws, Add Per Post	20.47	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.95	
For Custom Design Or Shapes (Square Tops, etc), Add	54.26	
For Nylon Coating, Add	14.05	
05 52 13 00-0025 LF 2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	143.30	14.83
For Schedule 80 Handrail, Add	16.82	
For 11 Gauge A513 Steel Tubing, Deduct	-25.00	
For 12 Gauge A513 Steel Tubing, Deduct	-28.41	
For 14 Gauge A513 Steel Tubing, Deduct	-37.49	
For 16 Gauge A513 Steel Tubing, Deduct	-44.31	
For Additional Off Set Handrail, ADA Attachment, Add	24.61	
For Aluminum, Satin Finish, Add	47.72	
For Aluminum, Clear Anodized Finish, Add	73.85	
For Aluminum, Dark Anodized Finish, Add	85.22	
For Galvanizing, Add	45.45	
For Wrought Iron, Add	14.33	
For Solid Steel Rails, Add	28.66	
For 304 Stainless Steel, Add	363.58	
For 316 Stainless Steel, Add	409.03	
For 2" Wheel Guard, Add	10.79	
For 4" High Kick Plate, Add	14.20	
For 6" High Kick Plate, Add	22.72	
For Curved Rail, Add	77.08	
For Mounting On Stairs, Add	42.99	
For Mounting On Slopes, Add	14.33	
For Post Base Flange With Screws, Add Per Post	20.47	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.95	
For Custom Design Or Shapes (Square Tops, etc), Add	64.23	
For Nylon Coating, Add	17.04	
05 52 13 00-0026 Railing Infill Panels (05 52 13)		
Note: Includes field welds and touch-up of welds.		
05 52 13 00-0027 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels (05 52 13 00-0026)		
Note: Square weave or square welded wire mesh.		
05 52 13 00-0028 SF Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	14.40	
05 52 13 00-0029 SF Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.30	
05 52 13 00-0030 SF Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.08	
05 52 13 00-0031 SF Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	27.19	
05 52 13 00-0032 Perforated Metal, Railing Infill Panels (05 52 13 00-0026)		
05 52 13 00-0033 SF Powder Coated Steel, Perforated Metal, Railing Infill Panel	14.13	
05 52 13 00-0034 SF Galvanized Steel, Perforated Metal, Railing Infill Panel.....	14.61	
05 52 13 00-0035 SF Aluminum, Perforated Metal, Railing Infill Panel	15.64	
05 52 13 00-0036 SF Stainless Steel, Perforated Metal, Railing Infill Panel	31.38	
05 52 13 00-0037 Expanded Metal, Railing Infill Panels (05 52 13 00-0026)		
05 52 13 00-0038 SF Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	6.37	
05 52 13 00-0039 SF Galvanized Steel, Expanded Metal, Railing Infill Panel.....	13.02	
05 52 13 00-0040 SF Aluminum, Expanded Metal, Railing Infill Panel.....	17.10	
05 52 13 00-0041 SF Stainless Steel, Expanded Metal, Railing Infill Panel.....	25.49	
05 52 13 00-0042 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13)		
Note: Includes factory primed, fasteners and field touch-up of welds.		

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0043	LF		1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	36.73	6.36
			<i>For Schedule 80 Handrail, Add</i>	2.50	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.58	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.21	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-6.87	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.12	
			<i>For Stainless Steel, Add</i>	41.66	
			<i>For Aluminum, Satin Finish, Add</i>	8.75	
			<i>For Curved Rail, Add</i>	11.02	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	13.54	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	15.62	
			<i>For Galvanized Finish, Add</i>	6.25	
05 52 13 00-0044	LF		1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	37.40	6.36
			<i>For Schedule 80 Handrail, Add</i>	2.92	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.73	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.38	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.10	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.39	
			<i>For Stainless Steel, Add</i>	43.00	
			<i>For Aluminum, Satin Finish, Add</i>	9.03	
			<i>For Curved Rail, Add</i>	11.22	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	13.98	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	16.13	
			<i>For Galvanized Finish, Add</i>	6.45	
05 52 13 00-0045	LF		1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	38.07	6.36
			<i>For Schedule 80 Handrail, Add</i>	8.68	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.88	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.54	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.32	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.65	
			<i>For Stainless Steel, Add</i>	44.34	
			<i>For Aluminum, Satin Finish, Add</i>	9.31	
			<i>For Curved Rail, Add</i>	11.42	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	14.41	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	16.63	
			<i>For Galvanized Finish, Add</i>	6.65	
05 52 13 00-0046	LF		2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	45.80	6.36
			<i>For Schedule 80 Handrail, Add</i>	3.71	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.58	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.48	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.87	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.66	
			<i>For Stainless Steel, Add</i>	59.80	
			<i>For Aluminum, Satin Finish, Add</i>	12.56	
			<i>For Curved Rail, Add</i>	13.74	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	19.44	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	22.43	
			<i>For Galvanized Finish, Add</i>	8.97	
05 52 13 00-0047	LF		2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	52.18	6.36
			<i>For Schedule 80 Handrail, Add</i>	4.06	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-7.98	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-9.07	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-11.97	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-14.15	
			<i>For Stainless Steel, Add</i>	72.56	
			<i>For Aluminum, Satin Finish, Add</i>	15.24	
			<i>For Curved Rail, Add</i>	15.65	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	23.58	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	27.21	
			<i>For Galvanized Finish, Add</i>	10.88	
05 52 13 00-0048			Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13)</small>		
			Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0049	LF		1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	44.62	6.68
			<i>For Schedule 80 Handrail, Add</i>	2.50	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.32	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.18	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.48	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.20	
			<i>For Stainless Steel, Add</i>	57.44	
			<i>For Aluminum, Satin Finish, Add</i>	12.06	
			<i>For Curved Rail, Add</i>	13.39	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	18.67	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	21.54	
			<i>For Galvanized Finish, Add</i>	8.62	



	Metals	05	
	Metal Fabrications	05 50	05
	Metal Railings	05 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0050	LF		1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	45.56	6.68
			<i>For Schedule 80 Handrail, Add</i>	2.92	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.53	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.42	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.79	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.57	
			<i>For Stainless Steel, Add</i>	59.32	
			<i>For Aluminum, Satin Finish, Add</i>	12.46	
			<i>For Curved Rail, Add</i>	13.67	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	19.28	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	22.25	
			<i>For Galvanized Finish, Add</i>	8.90	
05 52 13 00-0051	LF		1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	46.27	6.68
			<i>For Schedule 80 Handrail, Add</i>	8.68	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.68	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.59	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-10.02	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.84	
			<i>For Stainless Steel, Add</i>	60.74	
			<i>For Aluminum, Satin Finish, Add</i>	12.76	
			<i>For Curved Rail, Add</i>	13.88	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	19.74	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	22.78	
			<i>For Galvanized Finish, Add</i>	9.11	
05 52 13 00-0052	LF		2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	57.05	6.68
			<i>For Schedule 80 Handrail, Add</i>	3.71	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-9.05	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-10.29	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-13.58	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-16.05	
			<i>For Stainless Steel, Add</i>	82.30	
			<i>For Aluminum, Satin Finish, Add</i>	17.28	
			<i>For Curved Rail, Add</i>	17.12	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	26.75	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	30.86	
			<i>For Galvanized Finish, Add</i>	12.35	
05 52 13 00-0053	LF		2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	64.10	6.68
			<i>For Schedule 80 Handrail, Add</i>	4.06	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-10.60	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-12.05	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-15.91	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-18.80	
			<i>For Stainless Steel, Add</i>	96.40	
			<i>For Aluminum, Satin Finish, Add</i>	20.24	
			<i>For Curved Rail, Add</i>	19.23	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	31.33	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	36.15	
			<i>For Galvanized Finish, Add</i>	14.46	
05 52 13 00-0054			Remove And Reinstall Pipe Railing <small>(05 52 13)</small>		
05 52 13 00-0055	LF		Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing.....	23.85	
05 52 13 00-0056	LF		Removal And Reinstallation Of Floor Mounted Pipe Railing.....	31.91	
05 52 13 00-0057	EA		Install New Galvanized Steel Pipe Railing Bracket.....	63.47	
			<i>For Stainless Steel, Add</i>	63.34	
05 53			Metal Gratings <small>(05 50)</small>		
05 53 13			Bar Gratings <small>(05 53)</small>		
05 53 13 00-0001			Welded Grating <small>(05 53 13)</small>		
			Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.		
05 53 13 00-0002			Steel, Welded Grating <small>(05 53 13 00-0001)</small>		
			Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0003	SF		3/4" x 1/8" Steel, Welded Grating.....	11.26	1.17
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.52	
			<i>For 304 Stainless Steel, Add</i>	28.67	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	2.61	
			<i>For Crossbars At 2" On-Center, Add</i>	0.96	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.78	
05 53 13 00-0004	SF		3/4" x 3/16" Steel, Welded Grating.....	14.96	1.17
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.15	
			<i>For 304 Stainless Steel, Add</i>	40.54	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	3.69	
			<i>For Crossbars At 2" On-Center, Add</i>	1.36	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.88	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0005	SF		1" x 1/8" Steel, Welded Grating.....	13.64	1.17
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.92	
			For 304 Stainless Steel, Add	36.31	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	3.30	
			For Crossbars At 2" On-Center, Add	1.22	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.84	
05 53 13 00-0006	SF		1" x 3/16" Steel, Welded Grating.....	18.65	1.17
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.77	
			For 304 Stainless Steel, Add	52.39	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.77	
			For Crossbars At 2" On-Center, Add	1.76	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.97	
05 53 13 00-0007	SF		1" x 1/4" Steel, Welded Grating.....	23.67	1.17
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.63	
			For 304 Stainless Steel, Add	68.50	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	6.23	
			For Crossbars At 2" On-Center, Add	2.30	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.09	
05 53 13 00-0008	SF		1-1/4" x 1/8" Steel, Welded Grating	16.04	1.17
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.33	
			For 304 Stainless Steel, Add	44.01	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.00	
			For Crossbars At 2" On-Center, Add	1.48	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.90	
05 53 13 00-0009	SF		1-1/4" x 3/16" Steel, Welded Grating	22.14	1.17
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.37	
			For 304 Stainless Steel, Add	63.59	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	5.78	
			For Crossbars At 2" On-Center, Add	2.14	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.06	
05 53 13 00-0010	SF		1-1/2" x 1/8" Steel, Welded Grating	18.44	1.17
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.74	
			For 304 Stainless Steel, Add	51.71	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.70	
			For Crossbars At 2" On-Center, Add	1.74	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.96	
05 53 13 00-0011	SF		1-1/2" x 3/16" Steel, Welded Grating	26.34	1.43
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.99	
			For 304 Stainless Steel, Add	75.37	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	6.86	
			For Crossbars At 2" On-Center, Add	2.54	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.50	
05 53 13 00-0012	SF		1-1/2" x 1/4" Steel, Welded Grating	33.98	1.43
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.29	
			For 304 Stainless Steel, Add	99.90	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	9.09	
			For Crossbars At 2" On-Center, Add	3.36	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.69	
05 53 13 00-0013	SF		1-3/4" x 3/16" Steel, Welded Grating	30.07	1.43
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.63	
			For 304 Stainless Steel, Add	87.34	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	7.95	
			For Crossbars At 2" On-Center, Add	2.94	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.60	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0014 SF 2" x 3/16" Steel, Welded Grating.....	33.55	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.22	
For 304 Stainless Steel, Add	98.51	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	8.96	
For Crossbars At 2" On-Center, Add	3.31	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.68	
05 53 13 00-0015 SF 2-1/4" x 3/16" Steel, Welded Grating	37.25	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.85	
For 304 Stainless Steel, Add	110.39	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	10.04	
For Crossbars At 2" On-Center, Add	3.71	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.78	
05 53 13 00-0016 SF 2-1/2" x 3/16" Steel, Welded Grating	40.74	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	6.44	
For 304 Stainless Steel, Add	121.59	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	11.06	
For Crossbars At 2" On-Center, Add	4.09	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.86	
05 53 13 00-0017 Pressure Locked Grating <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018 Steel, Pressure Locked Grating <small>(05 53 13 00-0017)</small>		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019 SF 3/4" x 1/8" Steel, Pressure Locked Grating.....	20.95	1.17
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.05	
For 304 Stainless Steel, Add	34.84	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	5.44	
For Crossbars At 2" On-Center, Add	2.01	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.03	
05 53 13 00-0020 SF 3/4" x 3/16" Steel, Pressure Locked Grating.....	25.71	1.17
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.83	
For 304 Stainless Steel, Add	43.74	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	6.83	
For Crossbars At 2" On-Center, Add	2.53	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.15	
05 53 13 00-0021 SF 1" x 1/8" Steel, Pressure Locked Grating.....	22.99	1.17
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.39	
For 304 Stainless Steel, Add	38.65	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	6.03	
For Crossbars At 2" On-Center, Add	2.23	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.08	
05 53 13 00-0022 SF 1" x 3/16" Steel, Pressure Locked Grating.....	31.15	1.17
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.73	
For 304 Stainless Steel, Add	53.92	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 7/16" On-Center, Add	41.79	
For Bearing Bars At 15/16" On-Center, Add	8.42	
For Crossbars At 2" On-Center, Add	3.11	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.28	
05 53 13 00-0023 SF 1-1/4" x 1/8" Steel, Pressure Locked Grating.....	25.71	1.17
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.83	
For 304 Stainless Steel, Add	43.74	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	6.83	
For Crossbars At 2" On-Center, Add	2.53	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.15	

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0024	SF		1-1/4" x 3/16" Steel, Pressure Locked Grating.....	34.93	1.17
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.35	
			For 304 Stainless Steel, Add	60.99	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	9.52	
			For Crossbars At 2" On-Center, Add	3.52	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.38	
05 53 13 00-0025	SF		1-1/2" x 1/8" Steel, Pressure Locked Grating.....	28.56	1.17
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.30	
			For 304 Stainless Steel, Add	49.08	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	7.66	
			For Crossbars At 2" On-Center, Add	2.83	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.22	
05 53 13 00-0026	SF		1-1/2" x 3/16" Steel, Pressure Locked Grating.....	39.42	1.43
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	6.00	
			For 304 Stainless Steel, Add	68.40	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 7/16" On-Center, Add	53.01	
			For Bearing Bars At 15/16" On-Center, Add	10.68	
			For Crossbars At 2" On-Center, Add	3.95	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.83	
05 53 13 00-0027	SF		1-3/4" x 3/16" Steel, Pressure Locked Grating.....	43.41	1.43
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	6.65	
			For 304 Stainless Steel, Add	75.87	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	11.84	
			For Crossbars At 2" On-Center, Add	4.38	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.93	
05 53 13 00-0028	SF		2" x 3/16" Steel, Pressure Locked Grating.....	46.66	1.43
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	7.18	
			For 304 Stainless Steel, Add	81.95	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	12.79	
			For Crossbars At 2" On-Center, Add	4.73	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.01	
05 53 13 00-0029	SF		2-1/4" x 3/16" Steel, Pressure Locked Grating.....	49.77	1.43
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	7.69	
			For 304 Stainless Steel, Add	87.77	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	13.70	
			For Crossbars At 2" On-Center, Add	5.07	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.09	
05 53 13 00-0030	SF		2-1/2" x 3/16" Steel, Pressure Locked Grating.....	52.47	1.43
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	8.14	
			For 304 Stainless Steel, Add	92.82	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	14.49	
			For Crossbars At 2" On-Center, Add	5.36	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.16	
05 53 13 00-0031			Aluminum, Type 6063, Pressure Locked Grating <small>(05 53 13 00-0017)</small>		
			Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0032	SF		3/4" x 1/8" Aluminum, Pressure Locked Grating.....	21.47	1.17
			For Bearing Bars At 15/16" On-Center, Add	5.59	
			For Crossbars At 2" On-Center, Add	2.07	
			For Set In Place Without Bolting, Deduct	-2.04	
			For Powder Coating, Add	2.87	
05 53 13 00-0033	SF		3/4" x 3/16" Aluminum, Pressure Locked Grating.....	29.31	1.17
			For Bearing Bars At 15/16" On-Center, Add	7.88	
			For Crossbars At 2" On-Center, Add	2.91	
			For Set In Place Without Bolting, Deduct	-2.24	
			For Powder Coating, Add	4.05	
05 53 13 00-0034	SF		1" x 1/8" Aluminum, Pressure Locked Grating.....	27.62	1.17
			For Bearing Bars At 15/16" On-Center, Add	7.38	
			For Crossbars At 2" On-Center, Add	2.73	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-2.19	
			For Powder Coating, Add	3.79	



	Metals	05	
	Metal Fabrications	05 50	05
	Metal Gratings	05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0035	SF		1" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 7/16" On-Center, Add</i> <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	37.76 51.37 10.35 3.83 0.16 -2.45 5.31	1.17
05 53 13 00-0036	SF		1-1/4" x 1/8" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	32.08 8.69 3.21 0.16 -2.30 4.46	1.17
05 53 13 00-0037	SF		1-1/4" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	43.14 11.92 4.41 0.16 -2.58 6.12	1.17
05 53 13 00-0038	SF		1-1/2" x 1/8" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	36.28 9.91 3.67 0.16 -2.41 5.09	1.17
05 53 13 00-0039	SF		1-1/2" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 7/16" On-Center, Add</i> <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	48.69 67.22 13.54 5.01 0.16 -2.72 6.95	1.17
05 53 13 00-0040	SF		1-3/4" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	53.99 15.08 5.58 0.16 -2.85 7.75	1.17
05 53 13 00-0041	SF		2" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	60.28 16.92 6.26 0.16 -3.01 8.69	1.17
05 53 13 00-0042	SF		2-1/4" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	65.22 18.36 6.79 0.16 -3.13 9.43	1.17
05 53 13 00-0043	SF		2-1/2" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	71.10 20.08 7.43 0.16 -3.28 10.32	1.17
05 53 13 00-0044			Swage Locked Grating <small>(05 53 13)</small> Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
05 53 13 00-0045			Steel, Swage Locked Grating <small>(05 53 13 00-0044)</small> Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046	SF		1" x 3/16" Steel, Swaged Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	34.05 0.22 2.92 52.99 20.30 2.54 0.16 -2.35	1.17
05 53 13 00-0047	SF		1-1/4" x 3/16" Steel, Swaged Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	37.96 0.22 3.28 59.07 22.80 2.85 0.16 -2.45	1.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0048 SF 1-1/2" x 3/16" Steel, Swaged Grating.....	41.56	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.56	
For 304 Stainless Steel, Add	64.16	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	24.77	
For Crossbars At 2" On-Center, Add	3.10	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.88	
05 53 13 00-0049 SF 1-3/4" x 3/16" Steel, Swaged Grating.....	47.55	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.11	
For 304 Stainless Steel, Add	74.10	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	28.60	
For Crossbars At 2" On-Center, Add	3.58	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.03	
05 53 13 00-0050 SF 2" x 3/16" Steel, Swaged Grating.....	53.58	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.67	
For 304 Stainless Steel, Add	84.09	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	32.46	
For Crossbars At 2" On-Center, Add	4.06	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.18	
05 53 13 00-0051 SF 2-1/4" x 3/16" Steel, Swaged Grating.....	59.57	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.22	
For 304 Stainless Steel, Add	94.03	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	36.29	
For Crossbars At 2" On-Center, Add	4.54	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.33	
05 53 13 00-0052 SF 2-1/2" x 3/16" Steel, Swaged Grating.....	65.60	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.77	
For 304 Stainless Steel, Add	104.02	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	40.15	
For Crossbars At 2" On-Center, Add	5.02	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.48	
05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0054 SF 1" x 1/8" Aluminum, Swaged Grating.....	25.46	1.17
For Bearing Bars At 15/16" On-Center, Add	14.80	
For Crossbars At 2" On-Center, Add	1.85	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.14	
For Powder Coating, Add	3.47	
05 53 13 00-0055 SF 1" x 3/16" Aluminum, Swaged Grating.....	33.20	1.17
For Bearing Bars At 15/16" On-Center, Add	19.76	
For Crossbars At 2" On-Center, Add	2.47	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.33	
For Powder Coating, Add	4.63	
05 53 13 00-0056 SF 1-1/4" x 1/8" Aluminum, Swaged Grating.....	28.94	1.17
For Bearing Bars At 15/16" On-Center, Add	17.03	
For Crossbars At 2" On-Center, Add	2.13	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.23	
For Powder Coating, Add	3.99	
05 53 13 00-0057 SF 1-1/4" x 3/16" Aluminum, Swaged Grating.....	38.41	1.17
For Bearing Bars At 15/16" On-Center, Add	23.09	
For Crossbars At 2" On-Center, Add	2.89	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.46	
For Powder Coating, Add	5.41	
05 53 13 00-0058 SF 1-1/2" x 1/8" Aluminum, Swaged Grating.....	33.06	1.17
For Bearing Bars At 15/16" On-Center, Add	19.67	
For Crossbars At 2" On-Center, Add	2.46	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.33	
For Powder Coating, Add	4.61	
05 53 13 00-0059 SF 1-1/2" x 3/16" Aluminum, Swaged Grating.....	43.99	1.17
For Bearing Bars At 15/16" On-Center, Add	26.66	
For Crossbars At 2" On-Center, Add	3.33	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.60	
For Powder Coating, Add	6.25	



	Metals	05	05
	Metal Fabrications	05 50	
	Metal Gratings	05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0060	SF		1-3/4" x 3/16" Aluminum, Swaged Grating.....	50.41	1.17
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	30.77	
			<i>For Crossbars At 2" On-Center, Add</i>	3.85	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.76	
			<i>For Powder Coating, Add</i>	7.21	
05 53 13 00-0061	SF		2" x 3/16" Aluminum, Swaged Grating.....	56.80	1.17
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	34.86	
			<i>For Crossbars At 2" On-Center, Add</i>	4.36	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.92	
			<i>For Powder Coating, Add</i>	8.17	
05 53 13 00-0062	SF		2-1/4" x 3/16" Aluminum, Swaged Grating.....	63.22	1.17
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	38.97	
			<i>For Crossbars At 2" On-Center, Add</i>	4.87	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.08	
			<i>For Powder Coating, Add</i>	9.13	
05 53 13 00-0063	SF		2-1/2" x 3/16" Aluminum, Swaged Grating.....	69.61	1.17
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	43.06	
			<i>For Crossbars At 2" On-Center, Add</i>	5.38	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.24	
			<i>For Powder Coating, Add</i>	10.09	
05 53 13 00-0064			Riveted Grating <small>(05 53 13)</small>		
			Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065			Steel, Riveted Grating <small>(05 53 13 00-0064)</small>		
			Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF		3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating.....	64.38	1.17
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.98	
			<i>For 304 Stainless Steel, Add</i>	53.30	
			<i>For 5/8" Clear Opening, Add</i>	21.41	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.11	
05 53 13 00-0067	SF		3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating.....	75.74	1.17
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.52	
			<i>For 304 Stainless Steel, Add</i>	63.06	
			<i>For 5/8" Clear Opening, Add</i>	25.33	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.40	
05 53 13 00-0068	SF		1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating.....	69.61	1.17
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.23	
			<i>For 304 Stainless Steel, Add</i>	57.79	
			<i>For 5/8" Clear Opening, Add</i>	23.21	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.24	
05 53 13 00-0069	SF		1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating.....	80.07	1.17
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.73	
			<i>For 304 Stainless Steel, Add</i>	66.78	
			<i>For 5/8" Clear Opening, Add</i>	26.82	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.50	
05 53 13 00-0070	SF		1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating.....	73.94	1.17
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.44	
			<i>For 304 Stainless Steel, Add</i>	61.51	
			<i>For 5/8" Clear Opening, Add</i>	24.71	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.35	
05 53 13 00-0071	SF		1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating.....	88.13	1.17
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	4.12	
			<i>For 304 Stainless Steel, Add</i>	73.70	
			<i>For 5/8" Clear Opening, Add</i>	29.60	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.71	
05 53 13 00-0072	SF		1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	78.65	1.43
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.64	
			<i>For 304 Stainless Steel, Add</i>	65.10	
			<i>For 5/8" Clear Opening, Add</i>	26.15	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.81	

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0073 SF 1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	93.81	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.37	
For 304 Stainless Steel, Add	78.13	
For 5/8" Clear Opening, Add	31.38	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-4.19	
05 53 13 00-0074 SF 1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	101.55	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.74	
For 304 Stainless Steel, Add	84.77	
For 5/8" Clear Opening, Add	34.05	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-4.38	
05 53 13 00-0075 SF 2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	118.82	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.57	
For 304 Stainless Steel, Add	99.61	
For 5/8" Clear Opening, Add	40.01	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-4.82	
05 53 13 00-0076 SF 2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	124.85	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.86	
For 304 Stainless Steel, Add	104.79	
For 5/8" Clear Opening, Add	42.09	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-4.97	
05 53 13 00-0077 SF 2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	130.21	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	6.11	
For 304 Stainless Steel, Add	109.39	
For 5/8" Clear Opening, Add	43.94	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-5.10	
05 53 13 00-0078 Aluminum, Riveted Grating <small>(05 53 13 00-0064)</small>		
Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079 SF 3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	55.14	1.17
For 5/8" Clear Opening, Add	18.22	
For Powder Coating, Add	7.92	
For Set In Place Without Bolting, Deduct	-2.88	
05 53 13 00-0080 SF 3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	65.59	1.17
For 5/8" Clear Opening, Add	21.82	
For Powder Coating, Add	9.49	
For Set In Place Without Bolting, Deduct	-3.14	
05 53 13 00-0081 SF 1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	60.72	1.17
For 5/8" Clear Opening, Add	20.14	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	8.76	
For Set In Place Without Bolting, Deduct	-3.02	
05 53 13 00-0082 SF 1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	70.93	1.17
For 5/8" Clear Opening, Add	23.67	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	10.29	
For Set In Place Without Bolting, Deduct	-3.28	
05 53 13 00-0083 SF 1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	68.19	1.17
For 5/8" Clear Opening, Add	22.72	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	9.88	
For Set In Place Without Bolting, Deduct	-3.21	
05 53 13 00-0084 SF 1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	82.36	1.17
For 5/8" Clear Opening, Add	27.61	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	12.00	
For Set In Place Without Bolting, Deduct	-3.56	
05 53 13 00-0085 SF 1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	73.30	1.17
For 5/8" Clear Opening, Add	24.48	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	10.65	
For Set In Place Without Bolting, Deduct	-3.34	
05 53 13 00-0086 SF 1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	91.29	1.17
For 5/8" Clear Opening, Add	30.69	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	13.34	
For Set In Place Without Bolting, Deduct	-3.79	
05 53 13 00-0087 SF 1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	100.72	1.17
For 5/8" Clear Opening, Add	33.94	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	14.76	
For Set In Place Without Bolting, Deduct	-4.02	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53	13 00-0088	SF	2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating..... <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Powder Coating, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	120.10 40.63 0.16 17.67 -4.51	1.17
05 53	13 00-0089	SF	2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating..... <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Powder Coating, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	131.08 44.42 0.16 19.31 -4.78	1.17
05 53	13 00-0090	SF	2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating..... <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Powder Coating, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	145.83 49.51 0.16 21.53 -5.15	1.17

05 54 Metal Floor Plates (05 50)

05 54 00 00-0001 Steel Floor Plates (05 54)

05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	20.08	1.38
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	23.01	1.38
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	28.93	1.38
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates.....	38.77	1.48
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates.....	49.38	1.59

05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)

05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	29.05 4.01	1.17
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	33.34 4.60	1.38
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	37.64 5.20	1.48

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)

05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	28.62	1.59
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	34.19	1.80
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	44.18	2.12

05 55 Metal Stair Treads and Nosings (05 50)

05 55 13 Metal Stair Treads (05 55)

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	70.06 14.85	6.67
05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	77.16 16.62	6.67
05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	84.25 18.40	6.67
05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	91.37 20.16	6.67
05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	98.44 21.94	6.67

05 55 13 00-0007 Abrasive Cast Iron Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	97.61	6.67
05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	108.13	6.67
05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	118.68	6.67
05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	129.20	6.67
05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	139.75	6.67

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 55 13)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF	6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	36.83	6.67
05 55 13 00-0015	LF	9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	43.27	6.67
05 55 13 00-0016	LF	11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	46.11	6.67

05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads (05 55 13)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 Metals**05 50 Metal Fabrications****05 55 Metal Stair Treads and Nosings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0018 LF 8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....54.60 <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	4.47 3.35	6.67
05 55 13 00-0019 LF 9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....55.13 <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	4.47 3.35	6.67
05 55 13 00-0020 LF 11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....66.71 <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	4.47 3.35	6.67
05 55 13 00-0021 LF 12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....76.85 <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	4.47 3.35	6.67
05 55 13 00-0022 LF 15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....90.08 <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	4.47 3.35	6.67
05 55 13 00-0023 Stair Landing Treads <small>(05 55 13)</small>		
05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025 SF 5/16" Thick, Abrasive Cast Aluminum Landing Treads .....98.44 <i>For 3/8" Thick, Add</i>	21.94	6.67
05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027 SF 3/8" Thick, Abrasive Cast Iron Landing Treads	139.75	6.67
05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029 SF 9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads .....91.24 <i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.47	6.67
05 55 13 00-0030 Open Cast Iron Stair Tread <small>(05 55 13)</small> Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031 RSR 3'-6" Wide, Open Cast Iron Stair Tread.....703.57 <i>For Closed Riser, Add</i>	60.31	42.39
05 55 13 00-0032 RSR 4'-0" Wide, Open Cast Iron Stair Tread.....788.52 <i>For Closed Riser, Add</i>	67.43	48.75
05 55 13 00-0033 RSR 5'-0" Wide, Open Cast Iron Stair Tread.....868.30 <i>For Closed Riser, Add</i>	74.17	57.23
05 55 16 Metal Stair Nosings <small>(05 55)</small>		
05 55 16 00-0001 Abrasive Cast Aluminum Nosings <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing .....29.51 <i>For 3/8" Thick, Add</i>	5.56	4.55
05 55 16 00-0003 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing .....36.37 <i>For 3/8" Thick, Add</i>	7.27	4.55
05 55 16 00-0004 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing .....51.65 <i>For 3/8" Thick, Add</i>	11.09	4.55
05 55 16 00-0005 Abrasive Cast Iron Nosings <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....34.52 <i>For 3/8" Thick, Add</i>	6.81	4.55
05 55 16 00-0007 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....42.96 <i>For 3/8" Thick, Add</i>	8.92	4.55
05 55 16 00-0008 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....59.65 <i>For 3/8" Thick, Add</i>	13.09	4.55
05 55 16 00-0009 Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings <small>(05 55 16)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010 LF 1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....24.86		4.55
05 55 16 00-0011 LF 3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....28.17		4.55
05 55 16 00-0012 LF 4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....30.70		4.55
05 55 16 00-0013 LF 6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....38.54		4.55
05 55 16 00-0014 LF 1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....25.76		4.55
05 55 16 00-0015 LF 3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....28.57		4.55
05 55 16 00-0016 LF 4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....31.37		4.55
05 55 16 00-0017 LF 3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....29.67		4.55



		Metals	05
		Metal Fabrications	05 50
		Metal Castings	05 56

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

05 56 Metal Castings (05 50)

05 56 00 00-0001	Castings <small>(05 56)</small>		
05 56 00 00-0002	LB Up To 150 LB, Miscellaneous Castings, Light Section.....	5.52	0.53
05 56 00 00-0003	LB >150 LB, Miscellaneous Castings, Heavy Section.....	9.51	0.42

05 58 Formed Metal Fabrications (05 50)

05 58 16 Formed Metal Enclosures (05 58)

05 58 16 00-0001	Drip Pan <small>(05 58 16)</small>		
05 58 16 00-0002	SF Stainless Steel Drip Pan	111.20	7.31
05 58 16 00-0003	SF Galvanized Steel Drip Pan	109.86	7.31
05 58 16 00-0004	SF Aluminum Drip Pan	77.25	5.84
05 58 16 00-0005	SF Plastic Drip Pan	20.71	5.12

05 58 23 Formed Metal Guards (05 58)

05 58 23 00-0001	Protective Guard Rails <small>(05 58 23)</small>		
Note: Includes painted finish.			
05 58 23 00-0002	2-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0001)</small>		
Note: Steel King Armor Guard.			
05 58 23 00-0003	Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0002)</small>		
Note: Excludes posts. Includes fasteners.			
05 58 23 00-0004	EA 1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	201.98	21.83
05 58 23 00-0005	EA 2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	237.51	21.83
05 58 23 00-0006	EA 3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	271.01	21.83
05 58 23 00-0007	EA 4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	306.54	21.83
05 58 23 00-0008	EA 5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	340.23	21.83
05 58 23 00-0009	EA 6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	383.92	21.83
05 58 23 00-0010	EA 7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	413.68	21.83
05 58 23 00-0011	EA 8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	459.76	21.83
05 58 23 00-0012	EA 9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	490.01	21.83
05 58 23 00-0013	EA 10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	511.61	21.83

05 58 23 00-0014	Posts For 2-Rib Guard Rails <small>(05 58 23 00-0002)</small>		
Note: Includes drilling, surface mounting plate and anchors.			
05 58 23 00-0015	EA 12" Height, Single Rail Post For 2-Rib Guard Rails	405.84	45.47
05 58 23 00-0016	EA 42" Height, Triple Rail Post For 2-Rib Guard Rails	529.21	45.47

05 58 23 00-0017	3-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0001)</small>		
Note: Steel King Steel Guard.			

05 58 23 00-0018	Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0017)</small>		
Note: Excludes posts. Includes fasteners.			
05 58 23 00-0019	EA 1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	223.39	21.83
05 58 23 00-0020	EA 2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	247.01	21.83
05 58 23 00-0021	EA 3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	276.48	21.83
05 58 23 00-0022	EA 4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	304.04	21.83
05 58 23 00-0023	EA 5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	335.91	21.83
05 58 23 00-0024	EA 6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	351.27	21.83
05 58 23 00-0025	EA 7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	388.24	21.83
05 58 23 00-0026	EA 8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	419.44	21.83
05 58 23 00-0027	EA 9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	452.56	21.83
05 58 23 00-0028	EA 10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	486.17	21.83

05 58 23 00-0029	Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0017)</small>		
Note: Excludes posts. Includes fasteners and lift-out mounting plate.			
05 58 23 00-0030	EA 1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	329.67	21.83
05 58 23 00-0031	EA 2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	355.59	21.83
05 58 23 00-0032	EA 3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	382.48	21.83
05 58 23 00-0033	EA 4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	413.68	21.83
05 58 23 00-0034	EA 5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	444.88	21.83
05 58 23 00-0035	EA 6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	470.32	21.83
05 58 23 00-0036	EA 7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	499.61	21.83
05 58 23 00-0037	EA 8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	532.73	21.83
05 58 23 00-0038	EA 9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	568.25	21.83
05 58 23 00-0039	EA 10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	599.45	21.83

05 58 23 00-0040	Posts For 3-Rib Guard Rails <small>(05 58 23 00-0017)</small>		
Note: Includes drilling, surface mounting plate and anchors.			
05 58 23 00-0041	EA 18" Height, Single Rail Post For 3-Rib Guard Rails	356.69	45.47
05 58 23 00-0042	EA 42" Height, Double Rail Post For 3-Rib Guard Rails	456.73	45.47

05 Metals**05 50 Metal Fabrications****05 58 Formed Metal Fabrications**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 58 23 00-0043	All-Welded, Protective Guards <small>(05 58 23)</small>		
	Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044	All-Welded, Protective Guards <small>(05 58 23 00-0043)</small>		
05 58 23 00-0045	EA 36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	465.44	60.62
05 58 23 00-0046	EA 48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	489.44	60.62
05 58 23 00-0047	EA 36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	503.36	60.62
05 58 23 00-0048	EA 48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	524.00	60.62
05 58 23 00-0049	EA 36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	519.20	60.62
05 58 23 00-0050	EA 48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	544.64	60.62
05 58 23 00-0051	EA 36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	551.84	60.62
05 58 23 00-0052	EA 48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	560.00	60.62
05 58 23 00-0053	EA 48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	598.89	60.62
05 58 23 00-0054	Corner Style, All-Welded, Protective Guards <small>(05 58 23 00-0043)</small>		
05 58 23 00-0055	EA 24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	614.25	60.62
05 58 23 00-0056	EA 30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	643.05	60.62
05 58 23 00-0057	EA 24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	655.05	60.62
05 58 23 00-0058	EA 30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	714.10	60.62
05 58 23 00-0059	Warehouse Safety Bollards <small>(05 58 23)</small>		
	Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060	EA 24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	286.03	45.47
05 58 23 00-0061	EA 36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	333.46	45.47
05 58 23 00-0062	EA 42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	383.67	45.47
05 58 23 00-0063	EA 36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	397.40	45.47
05 58 23 00-0064	EA 42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	429.09	45.47

05 59 Metal Specialties (05 50)**05 59 65 Metal Chain** (05 59)

05 59 65 00-0001	Alloy Steel Chain, Self Colored, Cut Length <small>(05 59 65)</small>		
	Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002	LF 3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	6.40	1.02
	<i>For Plastic Dipped, Add</i>	0.65	
05 59 65 00-0003	LF 1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	7.67	1.36
	<i>For Plastic Dipped, Add</i>	0.74	
05 59 65 00-0004	LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	12.10	2.71
	<i>For Plastic Dipped, Add</i>	1.00	
05 59 65 00-0005	LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	19.42	4.57
	<i>For Plastic Dipped, Add</i>	1.54	
05 59 65 00-0006	LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	32.77	7.73
	<i>For Plastic Dipped, Add</i>	2.60	
05 59 65 00-0007	LF 3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	46.00	10.84
	<i>For Plastic Dipped, Add</i>	3.65	
05 59 65 00-0008	LF 7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	62.74	13.56
	<i>For Plastic Dipped, Add</i>	5.34	
05 59 65 00-0009	LF 1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	90.79	18.07
	<i>For Plastic Dipped, Add</i>	8.20	
05 59 65 00-0010	LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	147.73	27.11
	<i>For Plastic Dipped, Add</i>	14.03	

05 59 69 Metal Panels (05 59)

05 59 69 00-0001	Woven And Welded Wire Cloth <small>(05 59 69)</small>		
	Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0002	Plain Steel Woven And Welded Wire Cloth Panels <small>(05 59 69 00-0001)</small>		
05 59 69 00-0003	2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0004	SF 0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels.....	9.56	2.89
	<i>For Up To 2, Add</i>	2.68	
	<i>For >2 To 6, Add</i>	1.54	
	<i>For >15 To 40, Deduct</i>	-0.29	
	<i>For >40, Deduct</i>	-0.86	
	<i>For Galvanized, Add</i>	2.51	
	<i>For Aluminum, Add</i>	3.42	
	<i>For 304 Stainless Steel, Add</i>	13.68	
	<i>For 316 Stainless Steel, Add</i>	15.68	
05 59 69 00-0005	SF 0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels.....	10.28	3.01
	<i>For Up To 2, Add</i>	2.86	
	<i>For >2 To 6, Add</i>	1.63	
	<i>For >15 To 40, Deduct</i>	-0.31	
	<i>For >40, Deduct</i>	-0.94	
	<i>For Galvanized, Add</i>	2.75	
	<i>For Aluminum, Add</i>	3.76	
	<i>For 304 Stainless Steel, Add</i>	15.02	
	<i>For 316 Stainless Steel, Add</i>	17.22	



	Metals	05	
	Metal Fabrications	05 50	05
	Metal Specialties	05 59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0006	SF		0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels.....	10.93	3.35
			<i>For Up To 2, Add</i>	3.08	
			<i>For >2 To 6, Add</i>	1.76	
			<i>For >15 To 40, Deduct</i>	-0.32	
			<i>For >40, Deduct</i>	-0.97	
			<i>For Galvanized, Add</i>	2.85	
			<i>For Aluminum, Add</i>	3.89	
			<i>For 304 Stainless Steel, Add</i>	15.55	
			<i>For 316 Stainless Steel, Add</i>	17.82	
05 59 69 00-0007	SF		0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels.....	11.53	3.49
			<i>For Up To 2, Add</i>	3.23	
			<i>For >2 To 6, Add</i>	1.85	
			<i>For >15 To 40, Deduct</i>	-0.34	
			<i>For >40, Deduct</i>	-1.03	
			<i>For Galvanized, Add</i>	3.03	
			<i>For Aluminum, Add</i>	4.13	
			<i>For 304 Stainless Steel, Add</i>	16.54	
			<i>For 316 Stainless Steel, Add</i>	18.95	
05 59 69 00-0008	SF		0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels.....	12.61	3.91
			<i>For Up To 2, Add</i>	3.56	
			<i>For >2 To 6, Add</i>	2.04	
			<i>For >15 To 40, Deduct</i>	-0.37	
			<i>For >40, Deduct</i>	-1.11	
			<i>For Galvanized, Add</i>	3.26	
			<i>For Aluminum, Add</i>	4.44	
			<i>For 304 Stainless Steel, Add</i>	17.76	
			<i>For 316 Stainless Steel, Add</i>	20.35	
05 59 69 00-0009	SF		0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels.....	14.48	4.35
			<i>For Up To 2, Add</i>	4.06	
			<i>For >2 To 6, Add</i>	2.32	
			<i>For >15 To 40, Deduct</i>	-0.43	
			<i>For >40, Deduct</i>	-1.30	
			<i>For Galvanized, Add</i>	3.82	
			<i>For Aluminum, Add</i>	5.21	
			<i>For 304 Stainless Steel, Add</i>	20.83	
			<i>For 316 Stainless Steel, Add</i>	23.87	
05 59 69 00-0010	SF		0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels.....	16.43	4.79
			<i>For Up To 2, Add</i>	4.56	
			<i>For >2 To 6, Add</i>	2.60	
			<i>For >15 To 40, Deduct</i>	-0.50	
			<i>For >40, Deduct</i>	-1.51	
			<i>For Galvanized, Add</i>	4.42	
			<i>For Aluminum, Add</i>	6.03	
			<i>For 304 Stainless Steel, Add</i>	24.12	
			<i>For 316 Stainless Steel, Add</i>	27.64	
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels.....	18.82	5.31
			<i>For Up To 2, Add</i>	5.18	
			<i>For >2 To 6, Add</i>	2.94	
			<i>For >15 To 40, Deduct</i>	-0.59	
			<i>For >40, Deduct</i>	-1.76	
			<i>For Galvanized, Add</i>	5.17	
			<i>For Aluminum, Add</i>	7.04	
			<i>For 304 Stainless Steel, Add</i>	28.18	
			<i>For 316 Stainless Steel, Add</i>	32.29	
05 59 69 00-0012			1-3/4" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels	10.03	3.07
			<i>For Up To 2, Add</i>	2.82	
			<i>For >2 To 6, Add</i>	1.62	
			<i>For >15 To 40, Deduct</i>	-0.30	
			<i>For >40, Deduct</i>	-0.89	
			<i>For Galvanized, Add</i>	2.61	
			<i>For Aluminum, Add</i>	3.56	
			<i>For 304 Stainless Steel, Add</i>	14.26	
			<i>For 316 Stainless Steel, Add</i>	16.34	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels	11.03	3.23
			<i>For Up To 2, Add</i>	3.07	
			<i>For >2 To 6, Add</i>	1.75	
			<i>For >15 To 40, Deduct</i>	-0.34	
			<i>For >40, Deduct</i>	-1.01	
			<i>For Galvanized, Add</i>	2.96	
			<i>For Aluminum, Add</i>	4.03	
			<i>For 304 Stainless Steel, Add</i>	16.13	
			<i>For 316 Stainless Steel, Add</i>	18.48	
05 59 69 00-0015	SF		0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels	11.86	3.63
			<i>For Up To 2, Add</i>	3.34	
			<i>For >2 To 6, Add</i>	1.91	
			<i>For >15 To 40, Deduct</i>	-0.35	
			<i>For >40, Deduct</i>	-1.05	
			<i>For Galvanized, Add</i>	3.09	
			<i>For Aluminum, Add</i>	4.21	
			<i>For 304 Stainless Steel, Add</i>	16.85	
			<i>For 316 Stainless Steel, Add</i>	19.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0016 SF 0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels.....	12.39	3.74
For Up To 2, Add	3.48	
For >2 To 6, Add	1.99	
For >15 To 40, Deduct	-0.37	
For >40, Deduct	-1.11	
For Galvanized, Add	3.26	
For Aluminum, Add	4.44	
For 304 Stainless Steel, Add	17.76	
For 316 Stainless Steel, Add	20.35	
05 59 69 00-0017 SF 0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels.....	13.55	4.20
For Up To 2, Add	3.83	
For >2 To 6, Add	2.19	
For >15 To 40, Deduct	-0.40	
For >40, Deduct	-1.19	
For Galvanized, Add	3.50	
For Aluminum, Add	4.78	
For 304 Stainless Steel, Add	19.10	
For 316 Stainless Steel, Add	21.89	
05 59 69 00-0018 SF 0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels.....	15.59	4.69
For Up To 2, Add	4.37	
For >2 To 6, Add	2.50	
For >15 To 40, Deduct	-0.47	
For >40, Deduct	-1.40	
For Galvanized, Add	4.11	
For Aluminum, Add	5.60	
For 304 Stainless Steel, Add	22.42	
For 316 Stainless Steel, Add	25.69	
05 59 69 00-0019 SF 0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels.....	17.65	5.14
For Up To 2, Add	4.90	
For >2 To 6, Add	2.79	
For >15 To 40, Deduct	-0.54	
For >40, Deduct	-1.62	
For Galvanized, Add	4.75	
For Aluminum, Add	6.48	
For 304 Stainless Steel, Add	25.92	
For 316 Stainless Steel, Add	29.70	
05 59 69 00-0020 SF 0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels.....	20.26	5.71
For Up To 2, Add	5.58	
For >2 To 6, Add	3.17	
For >15 To 40, Deduct	-0.63	
For >40, Deduct	-1.89	
For Galvanized, Add	5.56	
For Aluminum, Add	7.58	
For 304 Stainless Steel, Add	30.31	
For 316 Stainless Steel, Add	34.73	
05 59 69 00-0021 1-1/2" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0022 SF 0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels	11.11	3.41
For Up To 2, Add	3.13	
For >2 To 6, Add	1.79	
For >15 To 40, Deduct	-0.33	
For >40, Deduct	-0.99	
For Galvanized, Add	2.90	
For Aluminum, Add	3.95	
For 304 Stainless Steel, Add	15.79	
For 316 Stainless Steel, Add	18.10	
05 59 69 00-0023 SF 0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels.....	12.22	3.58
For Up To 2, Add	3.40	
For >2 To 6, Add	1.94	
For >15 To 40, Deduct	-0.37	
For >40, Deduct	-1.12	
For Galvanized, Add	3.27	
For Aluminum, Add	4.46	
For 304 Stainless Steel, Add	17.86	
For 316 Stainless Steel, Add	20.46	
05 59 69 00-0024 SF 0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels.....	12.97	3.97
For Up To 2, Add	3.65	
For >2 To 6, Add	2.09	
For >15 To 40, Deduct	-0.38	
For >40, Deduct	-1.15	
For Galvanized, Add	3.38	
For Aluminum, Add	4.61	
For 304 Stainless Steel, Add	18.43	
For 316 Stainless Steel, Add	21.12	
05 59 69 00-0025 SF 0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels.....	13.68	4.13
For Up To 2, Add	3.84	
For >2 To 6, Add	2.19	
For >15 To 40, Deduct	-0.41	
For >40, Deduct	-1.23	
For Galvanized, Add	3.59	
For Aluminum, Add	4.90	
For 304 Stainless Steel, Add	19.61	
For 316 Stainless Steel, Add	22.47	



	Metals	05	
	Metal Fabrications	05 50	05
	Metal Specialties	05 59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0026	SF		0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	14.91	4.62
			For Up To 2, Add	4.21	
			For >2 To 6, Add	2.42	
			For >15 To 40, Deduct	-0.44	
			For >40, Deduct	-1.31	
			For Galvanized, Add	3.85	
			For Aluminum, Add	5.25	
			For 304 Stainless Steel, Add	21.00	
			For 316 Stainless Steel, Add	24.06	
05 59 69 00-0027	SF		0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels	17.03	5.12
			For Up To 2, Add	4.77	
			For >2 To 6, Add	2.73	
			For >15 To 40, Deduct	-0.51	
			For >40, Deduct	-1.53	
			For Galvanized, Add	4.49	
			For Aluminum, Add	6.13	
			For 304 Stainless Steel, Add	24.50	
			For 316 Stainless Steel, Add	28.08	
05 59 69 00-0028	SF		0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels	19.31	5.63
			For Up To 2, Add	5.36	
			For >2 To 6, Add	3.06	
			For >15 To 40, Deduct	-0.59	
			For >40, Deduct	-1.77	
			For Galvanized, Add	5.20	
			For Aluminum, Add	7.09	
			For 304 Stainless Steel, Add	28.34	
			For 316 Stainless Steel, Add	32.48	
05 59 69 00-0029	SF		0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels	22.09	6.24
			For Up To 2, Add	6.08	
			For >2 To 6, Add	3.46	
			For >15 To 40, Deduct	-0.69	
			For >40, Deduct	-2.07	
			For Galvanized, Add	6.06	
			For Aluminum, Add	8.27	
			For 304 Stainless Steel, Add	33.07	
			For 316 Stainless Steel, Add	37.90	
05 59 69 00-0030			1-1/4" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0031	SF		0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels	11.36	3.68
			For Up To 2, Add	3.26	
			For >2 To 6, Add	1.87	
			For >15 To 40, Deduct	-0.32	
			For >40, Deduct	-0.97	
			For Galvanized, Add	2.83	
			For Aluminum, Add	3.86	
			For 304 Stainless Steel, Add	15.46	
			For 316 Stainless Steel, Add	17.71	
05 59 69 00-0032	SF		0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels	12.28	3.86
			For Up To 2, Add	3.49	
			For >2 To 6, Add	2.00	
			For >15 To 40, Deduct	-0.36	
			For >40, Deduct	-1.07	
			For Galvanized, Add	3.14	
			For Aluminum, Add	4.28	
			For 304 Stainless Steel, Add	17.11	
			For 316 Stainless Steel, Add	19.61	
05 59 69 00-0033	SF		0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	13.35	4.02
			For Up To 2, Add	3.74	
			For >2 To 6, Add	2.14	
			For >15 To 40, Deduct	-0.40	
			For >40, Deduct	-1.20	
			For Galvanized, Add	3.51	
			For Aluminum, Add	4.79	
			For 304 Stainless Steel, Add	19.15	
			For 316 Stainless Steel, Add	21.95	
05 59 69 00-0034	SF		0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels	13.77	4.10
			For Up To 2, Add	3.85	
			For >2 To 6, Add	2.20	
			For >15 To 40, Deduct	-0.42	
			For >40, Deduct	-1.25	
			For Galvanized, Add	3.65	
			For Aluminum, Add	4.98	
			For 304 Stainless Steel, Add	19.92	
			For 316 Stainless Steel, Add	22.83	
05 59 69 00-0035	SF		0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	14.92	4.63
			For Up To 2, Add	4.22	
			For >2 To 6, Add	2.42	
			For >15 To 40, Deduct	-0.44	
			For >40, Deduct	-1.31	
			For Galvanized, Add	3.85	
			For Aluminum, Add	5.24	
			For 304 Stainless Steel, Add	20.98	
			For 316 Stainless Steel, Add	24.04	

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0036	SF		0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels.....	16.80	5.21
			<i>For Up To 2, Add</i>	4.75	
			<i>For >2 To 6, Add</i>	2.72	
			<i>For >15 To 40, Deduct</i>	-0.49	
			<i>For >40, Deduct</i>	-1.48	
			<i>For Galvanized, Add</i>	4.34	
			<i>For Aluminum, Add</i>	5.92	
			<i>For 304 Stainless Steel, Add</i>	23.66	
			<i>For 316 Stainless Steel, Add</i>	27.12	
05 59 69 00-0037	SF		0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels.....	19.12	5.75
			<i>For Up To 2, Add</i>	5.36	
			<i>For >2 To 6, Add</i>	3.06	
			<i>For >15 To 40, Deduct</i>	-0.57	
			<i>For >40, Deduct</i>	-1.72	
			<i>For Galvanized, Add</i>	5.04	
			<i>For Aluminum, Add</i>	6.88	
			<i>For 304 Stainless Steel, Add</i>	27.50	
			<i>For 316 Stainless Steel, Add</i>	31.52	
05 59 69 00-0038	SF		0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels	21.57	6.28
			<i>For Up To 2, Add</i>	5.99	
			<i>For >2 To 6, Add</i>	3.41	
			<i>For >15 To 40, Deduct</i>	-0.66	
			<i>For >40, Deduct</i>	-1.98	
			<i>For Galvanized, Add</i>	5.81	
			<i>For Aluminum, Add</i>	7.92	
			<i>For 304 Stainless Steel, Add</i>	31.68	
			<i>For 316 Stainless Steel, Add</i>	36.30	
05 59 69 00-0039	SF		0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels.....	24.72	6.97
			<i>For Up To 2, Add</i>	6.80	
			<i>For >2 To 6, Add</i>	3.87	
			<i>For >15 To 40, Deduct</i>	-0.77	
			<i>For >40, Deduct</i>	-2.31	
			<i>For Galvanized, Add</i>	6.78	
			<i>For Aluminum, Add</i>	9.25	
			<i>For 304 Stainless Steel, Add</i>	37.01	
			<i>For 316 Stainless Steel, Add</i>	42.41	
05 59 69 00-0040			1" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0041	SF		0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels.....	12.96	4.31
			<i>For Up To 2, Add</i>	3.74	
			<i>For >2 To 6, Add</i>	2.16	
			<i>For >15 To 40, Deduct</i>	-0.36	
			<i>For >40, Deduct</i>	-1.08	
			<i>For Galvanized, Add</i>	3.17	
			<i>For Aluminum, Add</i>	4.33	
			<i>For 304 Stainless Steel, Add</i>	17.30	
			<i>For 316 Stainless Steel, Add</i>	19.83	
05 59 69 00-0042	SF		0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels.....	13.90	4.49
			<i>For Up To 2, Add</i>	3.98	
			<i>For >2 To 6, Add</i>	2.29	
			<i>For >15 To 40, Deduct</i>	-0.40	
			<i>For >40, Deduct</i>	-1.19	
			<i>For Galvanized, Add</i>	3.48	
			<i>For Aluminum, Add</i>	4.75	
			<i>For 304 Stainless Steel, Add</i>	19.01	
			<i>For 316 Stainless Steel, Add</i>	21.78	
05 59 69 00-0043	SF		0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels.....	14.48	4.69
			<i>For Up To 2, Add</i>	4.15	
			<i>For >2 To 6, Add</i>	2.39	
			<i>For >15 To 40, Deduct</i>	-0.41	
			<i>For >40, Deduct</i>	-1.23	
			<i>For Galvanized, Add</i>	3.62	
			<i>For Aluminum, Add</i>	4.93	
			<i>For 304 Stainless Steel, Add</i>	19.73	
			<i>For 316 Stainless Steel, Add</i>	22.61	
05 59 69 00-0044	SF		0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels.....	15.54	4.76
			<i>For Up To 2, Add</i>	4.38	
			<i>For >2 To 6, Add</i>	2.51	
			<i>For >15 To 40, Deduct</i>	-0.46	
			<i>For >40, Deduct</i>	-1.38	
			<i>For Galvanized, Add</i>	4.04	
			<i>For Aluminum, Add</i>	5.51	
			<i>For 304 Stainless Steel, Add</i>	22.06	
			<i>For 316 Stainless Steel, Add</i>	25.27	
05 59 69 00-0045	SF		0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels.....	17.26	5.36
			<i>For Up To 2, Add</i>	4.88	
			<i>For >2 To 6, Add</i>	2.80	
			<i>For >15 To 40, Deduct</i>	-0.51	
			<i>For >40, Deduct</i>	-1.52	
			<i>For Galvanized, Add</i>	4.45	
			<i>For Aluminum, Add</i>	6.07	
			<i>For 304 Stainless Steel, Add</i>	24.29	
			<i>For 316 Stainless Steel, Add</i>	27.83	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0046 SF 0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels.....	19.38	6.00
For Up To 2, Add	5.48	
For >2 To 6, Add	3.14	
For >15 To 40, Deduct	-0.57	
For >40, Deduct	-1.71	
For Galvanized, Add	5.01	
For Aluminum, Add	6.83	
For 304 Stainless Steel, Add	27.31	
For 316 Stainless Steel, Add	31.30	
05 59 69 00-0047 SF 0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels.....	22.18	6.66
For Up To 2, Add	6.21	
For >2 To 6, Add	3.55	
For >15 To 40, Deduct	-0.66	
For >40, Deduct	-1.99	
For Galvanized, Add	5.85	
For Aluminum, Add	7.97	
For 304 Stainless Steel, Add	31.90	
For 316 Stainless Steel, Add	36.55	
05 59 69 00-0048 SF 0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels.....	24.97	7.27
For Up To 2, Add	6.93	
For >2 To 6, Add	3.95	
For >15 To 40, Deduct	-0.76	
For >40, Deduct	-2.29	
For Galvanized, Add	6.72	
For Aluminum, Add	9.17	
For 304 Stainless Steel, Add	36.67	
For 316 Stainless Steel, Add	42.02	
05 59 69 00-0049 SF 0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels.....	28.52	8.05
For Up To 2, Add	7.85	
For >2 To 6, Add	4.46	
For >15 To 40, Deduct	-0.89	
For >40, Deduct	-2.67	
For Galvanized, Add	7.83	
For Aluminum, Add	10.67	
For 304 Stainless Steel, Add	42.70	
For 316 Stainless Steel, Add	48.92	
05 59 69 00-0050 3/4" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0051 SF 0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels.....	13.12	4.30
For Up To 2, Add	3.77	
For >2 To 6, Add	2.17	
For >15 To 40, Deduct	-0.37	
For >40, Deduct	-1.11	
For Galvanized, Add	3.25	
For Aluminum, Add	4.43	
For 304 Stainless Steel, Add	17.74	
For 316 Stainless Steel, Add	20.32	
05 59 69 00-0052 SF 0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels.....	14.65	4.83
For Up To 2, Add	4.22	
For >2 To 6, Add	2.43	
For >15 To 40, Deduct	-0.41	
For >40, Deduct	-1.23	
For Galvanized, Add	3.62	
For Aluminum, Add	4.93	
For 304 Stainless Steel, Add	19.73	
For 316 Stainless Steel, Add	22.61	
05 59 69 00-0053 SF 0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels.....	16.20	5.45
For Up To 2, Add	4.69	
For >2 To 6, Add	2.71	
For >15 To 40, Deduct	-0.45	
For >40, Deduct	-1.34	
For Galvanized, Add	3.93	
For Aluminum, Add	5.36	
For 304 Stainless Steel, Add	21.46	
For 316 Stainless Steel, Add	24.59	
05 59 69 00-0054 SF 0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels.....	17.54	5.81
For Up To 2, Add	5.06	
For >2 To 6, Add	2.92	
For >15 To 40, Deduct	-0.49	
For >40, Deduct	-1.47	
For Galvanized, Add	4.30	
For Aluminum, Add	5.87	
For 304 Stainless Steel, Add	23.47	
For 316 Stainless Steel, Add	26.90	
05 59 69 00-0055 SF 0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels.....	20.29	6.54
For Up To 2, Add	5.80	
For >2 To 6, Add	3.34	
For >15 To 40, Deduct	-0.58	
For >40, Deduct	-1.74	
For Galvanized, Add	5.09	
For Aluminum, Add	6.94	
For 304 Stainless Steel, Add	27.77	
For 316 Stainless Steel, Add	31.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0056	SF		0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels.....	23.36	7.32
			For Up To 2, Add	6.62	
			For >2 To 6, Add	3.80	
			For >15 To 40, Deduct	-0.68	
			For >40, Deduct	-2.04	
			For Galvanized, Add	5.99	
			For Aluminum, Add	8.17	
			For 304 Stainless Steel, Add	32.66	
			For 316 Stainless Steel, Add	37.43	
05 59 69 00-0057	SF		0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels.....	26.62	8.08
			For Up To 2, Add	7.48	
			For >2 To 6, Add	4.28	
			For >15 To 40, Deduct	-0.79	
			For >40, Deduct	-2.38	
			For Galvanized, Add	6.97	
			For Aluminum, Add	9.50	
			For 304 Stainless Steel, Add	38.02	
			For 316 Stainless Steel, Add	43.56	
05 59 69 00-0058	SF		0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels.....	29.85	8.79
			For Up To 2, Add	8.31	
			For >2 To 6, Add	4.74	
			For >15 To 40, Deduct	-0.91	
			For >40, Deduct	-2.72	
			For Galvanized, Add	7.98	
			For Aluminum, Add	10.88	
			For 304 Stainless Steel, Add	43.51	
			For 316 Stainless Steel, Add	49.86	
05 59 69 00-0059	SF		0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels.....	34.05	9.72
			For Up To 2, Add	9.40	
			For >2 To 6, Add	5.35	
			For >15 To 40, Deduct	-1.06	
			For >40, Deduct	-3.17	
			For Galvanized, Add	9.28	
			For Aluminum, Add	12.66	
			For 304 Stainless Steel, Add	50.64	
			For 316 Stainless Steel, Add	58.03	
05 59 69 00-0060			1/2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0061	SF		0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels.....	13.69	4.61
			For Up To 2, Add	3.97	
			For >2 To 6, Add	2.29	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.13	
			For Galvanized, Add	3.32	
			For Aluminum, Add	4.53	
			For 304 Stainless Steel, Add	18.12	
			For 316 Stainless Steel, Add	20.76	
05 59 69 00-0062	SF		0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels.....	16.02	5.59
			For Up To 2, Add	4.70	
			For >2 To 6, Add	2.72	
			For >15 To 40, Deduct	-0.43	
			For >40, Deduct	-1.28	
			For Galvanized, Add	3.76	
			For Aluminum, Add	5.12	
			For 304 Stainless Steel, Add	20.50	
			For 316 Stainless Steel, Add	23.49	
05 59 69 00-0063	SF		0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels.....	19.36	6.63
			For Up To 2, Add	5.64	
			For >2 To 6, Add	3.26	
			For >15 To 40, Deduct	-0.53	
			For >40, Deduct	-1.58	
			For Galvanized, Add	4.63	
			For Aluminum, Add	6.32	
			For 304 Stainless Steel, Add	25.27	
			For 316 Stainless Steel, Add	28.96	
05 59 69 00-0064	SF		0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels.....	22.34	7.43
			For Up To 2, Add	6.45	
			For >2 To 6, Add	3.72	
			For >15 To 40, Deduct	-0.62	
			For >40, Deduct	-1.86	
			For Galvanized, Add	5.47	
			For Aluminum, Add	7.46	
			For 304 Stainless Steel, Add	29.83	
			For 316 Stainless Steel, Add	34.18	
05 59 69 00-0065	SF		0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels.....	25.68	8.30
			For Up To 2, Add	7.35	
			For >2 To 6, Add	4.23	
			For >15 To 40, Deduct	-0.73	
			For >40, Deduct	-2.19	
			For Galvanized, Add	6.43	
			For Aluminum, Add	8.77	
			For 304 Stainless Steel, Add	35.09	
			For 316 Stainless Steel, Add	40.21	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0066 SF 0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels.....	29.47	9.24
For Up To 2, Add	8.36	
For >2 To 6, Add	4.80	
For >15 To 40, Deduct	-0.86	
For >40, Deduct	-2.57	
For Galvanized, Add	7.54	
For Aluminum, Add	10.28	
For 304 Stainless Steel, Add	41.14	
For 316 Stainless Steel, Add	47.14	
05 59 69 00-0067 SF 0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels.....	33.38	10.17
For Up To 2, Add	9.39	
For >2 To 6, Add	5.37	
For >15 To 40, Deduct	-0.99	
For >40, Deduct	-2.97	
For Galvanized, Add	8.73	
For Aluminum, Add	11.90	
For 304 Stainless Steel, Add	47.59	
For 316 Stainless Steel, Add	54.53	
05 59 69 00-0068 SF 0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels.....	37.32	11.02
For Up To 2, Add	10.40	
For >2 To 6, Add	5.94	
For >15 To 40, Deduct	-1.13	
For >40, Deduct	-3.39	
For Galvanized, Add	9.96	
For Aluminum, Add	13.58	
For 304 Stainless Steel, Add	54.31	
For 316 Stainless Steel, Add	62.23	
05 59 69 00-0069 SF 0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels.....	38.79	12.13
For Up To 2, Add	10.99	
For >2 To 6, Add	6.30	
For >15 To 40, Deduct	-1.13	
For >40, Deduct	-3.39	
For Galvanized, Add	9.96	
For Aluminum, Add	13.58	
For 304 Stainless Steel, Add	54.31	
For 316 Stainless Steel, Add	62.23	
05 59 69 00-0070 Expanded Metal Panels <small>(05 59 69)</small>		
Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0071 Plain Flattened Expanded Metal Diamond Shape Panels <small>(05 59 69 00-0070)</small>		
Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0072 SF 1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF	11.05	3.97
For Galvanized, Add	2.53	
For Aluminum, Add	3.46	
For 304 Stainless Steel, Add	13.82	
For 316 Stainless Steel, Add	15.84	
05 59 69 00-0073 SF 1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF	13.94	4.35
For Galvanized, Add	3.58	
For Aluminum, Add	4.88	
For 304 Stainless Steel, Add	19.54	
For 316 Stainless Steel, Add	22.39	
05 59 69 00-0074 SF 1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF	7.95	3.07
For Galvanized, Add	1.70	
For Aluminum, Add	2.32	
For 304 Stainless Steel, Add	9.26	
For 316 Stainless Steel, Add	10.62	
05 59 69 00-0075 SF 1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF	8.68	3.35
For Galvanized, Add	1.86	
For Aluminum, Add	2.54	
For 304 Stainless Steel, Add	10.15	
For 316 Stainless Steel, Add	11.63	
05 59 69 00-0076 SF 1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF	9.81	3.97
For Galvanized, Add	1.99	
For Aluminum, Add	2.71	
For 304 Stainless Steel, Add	10.85	
For 316 Stainless Steel, Add	12.43	
05 59 69 00-0077 SF 1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF	12.56	5.12
For Galvanized, Add	2.53	
For Aluminum, Add	3.44	
For 304 Stainless Steel, Add	13.78	
For 316 Stainless Steel, Add	15.79	
05 59 69 00-0078 SF 3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF	6.91	3.01
For Galvanized, Add	1.27	
For Aluminum, Add	1.73	
For 304 Stainless Steel, Add	6.94	
For 316 Stainless Steel, Add	7.95	
05 59 69 00-0079 SF 3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF	7.75	3.23
For Galvanized, Add	1.51	
For Aluminum, Add	2.06	
For 304 Stainless Steel, Add	8.26	
For 316 Stainless Steel, Add	9.46	

05	05 Metals
	05 50 Metal Fabrications
	05 59 Metal Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0080 SF 3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF.....	8.86	3.63
For Galvanized, Add	1.77	
For Aluminum, Add	2.41	
For 304 Stainless Steel, Add	9.65	
For 316 Stainless Steel, Add	11.06	
05 59 69 00-0081 SF 3/4" #9-F Plain Expanded Metal Panel, 1.50 LB/SF.....	13.94	6.00
For Galvanized, Add	2.61	
For Aluminum, Add	3.56	
For 304 Stainless Steel, Add	14.26	
For 316 Stainless Steel, Add	16.34	
05 59 69 00-0082 SF 1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF.....	7.71	3.68
For Galvanized, Add	1.23	
For Aluminum, Add	1.67	
For 304 Stainless Steel, Add	6.70	
For 316 Stainless Steel, Add	7.67	
05 59 69 00-0083 SF 1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF.....	6.67	2.89
For Galvanized, Add	1.24	
For Aluminum, Add	1.69	
For 304 Stainless Steel, Add	6.74	
For 316 Stainless Steel, Add	7.73	
05 59 69 00-0084 SF 1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF.....	7.69	3.41
For Galvanized, Add	1.39	
For Aluminum, Add	1.90	
For 304 Stainless Steel, Add	7.58	
For 316 Stainless Steel, Add	8.69	
05 59 69 00-0085 SF 1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF.....	11.97	4.61
For Galvanized, Add	2.57	
For Aluminum, Add	3.50	
For 304 Stainless Steel, Add	13.99	
For 316 Stainless Steel, Add	16.03	

05 70 Decorative Metal ⁽⁰⁵⁾

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs ^(05 70)

05 71 13 Fabricated Metal Spiral Stairs ^(05 71)

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units ^(05 71 13)

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread ^(05 71 13 00-0001)

05 71 13 00-0003 VLF 3'-6" Diameter, Spiral Steel Stair With Rails.....	456.95	52.99
For Galvanized, Add	245.68	
05 71 13 00-0004 VLF 4' Diameter, Spiral Steel Stair With Rails.....	520.60	58.29
For Galvanized, Add	262.82	
05 71 13 00-0005 VLF 4'-6" Diameter, Spiral Steel Stair With Rails.....	576.09	63.59
For Galvanized, Add	314.24	
05 71 13 00-0006 VLF 5' Diameter, Spiral Steel Stair With Rails.....	617.30	68.89
For Galvanized, Add	335.67	

05 73 Decorative Metal Railings ^(05 70)

Note: Factory primed. Includes brackets.

05 73 23 Decorative Metal Railings ^(05 73)

05 73 23 00-0001 Railings; Vertical Square Bars At 6" ^(05 73 23)

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 23 00-0002 LF Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	74.62	11.66
For Rake Or Angle Railings, Add	10.28	
For Curved Railings, Add	20.04	
For 4" On Center Standards, Add	2.07	
For 4-1/2" On Center Standards, Add	1.66	
For 5" On Center Standards, Add	1.11	
For 5-1/2" On Center Standards, Add	0.55	
For Each Field Bending Of Rails, Add	14.24	
For Galvanized, Add	3.87	
05 73 23 00-0003 LF Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	172.13	15.90
For Rake Or Angle Railings, Add	18.72	
For Curved Railings, Add	60.23	
For 4" On Center Standards, Add	8.06	
For 4-1/2" On Center Standards, Add	6.45	
For 5" On Center Standards, Add	4.30	
For 5-1/2" On Center Standards, Add	2.15	
For Each Field Bending Of Rails, Add	18.65	
05 73 23 00-0004 LF Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	239.16	26.50
For Rake Or Angle Railings, Add	26.42	
For Curved Railings, Add	82.56	
For 4" On Center Standards, Add	10.94	
For 4-1/2" On Center Standards, Add	8.75	
For 5" On Center Standards, Add	5.84	
For 5-1/2" On Center Standards, Add	2.92	
For Each Field Bending Of Rails, Add	25.82	



Metals	05	05
Decorative Metal	05 70	
Decorative Metal Railings	05 73	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 73 23 00-0005 LF Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	233.33	21.20
For Rake Or Angle Railings, Add	25.21	
For Curved Railings, Add	82.12	
For 4" On Center Standards, Add	11.04	
For 4-1/2" On Center Standards, Add	8.84	
For 5" On Center Standards, Add	5.89	
For 5-1/2" On Center Standards, Add	2.95	
For Each Field Bending Of Rails, Add	24.02	
05 73 23 00-0006 LF Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	210.41	32.33
For Rake Or Angle Railings, Add	21.26	
For Curved Railings, Add	78.20	
For 4" On Center Standards, Add	10.93	
For 4-1/2" On Center Standards, Add	8.75	
For 5" On Center Standards, Add	5.83	
For 5-1/2" On Center Standards, Add	2.92	
For Each Field Bending Of Rails, Add	18.66	
05 73 23 00-0007 Laminated Metal Or Wood Handrails With Metal Supports (05 73 23)		
05 73 23 00-0008 LF 2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports.....	166.66	5.30
For Rake Or Angle Railings, Add	13.15	
For Curved Railings, Add	72.30	
For 4" On Center Standards, Add	11.09	
For 4-1/2" On Center Standards, Add	8.87	
For 5" On Center Standards, Add	5.91	
For 5-1/2" On Center Standards, Add	2.96	
For Each Field Bending Of Rails, Add	7.21	
05 73 23 00-0009 Plain Handrails (05 73 23)		
05 73 23 00-0010 LF 2" Brass Handrail.....	52.31	10.99
05 73 23 00-0011 EA 90 Degree Angle For 2" Brass Handrail.....	114.54	41.70
05 73 23 00-0012 EA End Cap For 2" Brass Handrail.....	52.07	20.91
05 73 23 00-0013 EA Brass Bracket And Joint For 2" Brass Handrail.....	86.63	41.70
05 73 23 00-0014 LF 2" Stainless Steel Handrail.....	57.64	13.74
05 73 23 00-0015 Restoration Of Existing Metal Handrail And Railing (05 73 23)		
Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer.		
05 73 23 00-0016 LF Refinish Metal Handrail.....	10.31	
05 73 23 00-0017 LF Refinish Wrought Iron Balustrade.....	10.26	
05 73 23 00-0018 Remove And Reinstall Ornamental Railing (05 73 23)		
05 73 23 00-0019 LF Removal And Reinstallation Of Ornamental Handrail And Pickets.....	97.50	

05 75 Decorative Formed Metal (05 70)

05 75 00 00-0001 Metal Sheets, Installed On Walls (05 75)		
Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.		
05 75 00 00-0002 Copper Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0003 SF 0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls.....	30.31	2.37
For >16 To 200, Deduct	-1.69	
For >200 To 500, Deduct	-3.39	
For >500, Deduct	-4.90	
05 75 00 00-0004 SF 0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls.....	37.98	2.64
For >16 To 200, Deduct	-2.10	
For >200 To 500, Deduct	-4.19	
For >500, Deduct	-6.09	
05 75 00 00-0005 SF 0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls.....	41.59	2.85
For >16 To 200, Deduct	-2.29	
For >200 To 500, Deduct	-4.59	
For >500, Deduct	-6.67	
05 75 00 00-0006 SF 0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls.....	44.96	2.99
For >16 To 200, Deduct	-2.47	
For >200 To 500, Deduct	-4.95	
For >500, Deduct	-7.19	
05 75 00 00-0007 SF 0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls.....	51.37	3.12
For >16 To 200, Deduct	-2.80	
For >200 To 500, Deduct	-5.61	
For >500, Deduct	-8.18	
05 75 00 00-0008 SF 0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls.....	65.36	3.28
For >16 To 200, Deduct	-3.51	
For >200 To 500, Deduct	-7.03	
For >500, Deduct	-10.30	
05 75 00 00-0009 SF 0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls.....	76.77	3.42
For >16 To 200, Deduct	-4.10	
For >200 To 500, Deduct	-8.19	
For >500, Deduct	-12.03	

05 Metals**05 70 Decorative Metal****05 75 Decorative Formed Metal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0010 SF 0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	93.12	3.70
For>16 To 200, Deduct	-4.93	
For>200 To 500, Deduct	-9.87	
For>500, Deduct	-14.52	
05 75 00 00-0011 SF 0.08" Thick Copper Sheet, Installed On Walls	114.62	3.99
For>16 To 200, Deduct	-6.03	
For>200 To 500, Deduct	-12.06	
For>500, Deduct	-17.79	
05 75 00 00-0012 SF 0.125" Thick Copper Sheet, Installed On Walls	168.94	4.28
For>16 To 200, Deduct	-8.77	
For>200 To 500, Deduct	-17.54	
For>500, Deduct	-25.98	
05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0014 SF 0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	14.81	2.35
For>16 To 200, Deduct	-0.92	
For>200 To 500, Deduct	-1.83	
For>500, Deduct	-2.57	
05 75 00 00-0015 SF 0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	16.77	2.53
For>16 To 200, Deduct	-1.03	
For>200 To 500, Deduct	-2.06	
For>500, Deduct	-2.90	
05 75 00 00-0016 SF 0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	18.26	2.66
For>16 To 200, Deduct	-1.11	
For>200 To 500, Deduct	-2.22	
For>500, Deduct	-3.14	
05 75 00 00-0017 SF 0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	21.42	2.78
For>16 To 200, Deduct	-1.28	
For>200 To 500, Deduct	-2.56	
For>500, Deduct	-3.63	
05 75 00 00-0018 SF 0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	24.48	2.90
For>16 To 200, Deduct	-1.44	
For>200 To 500, Deduct	-2.88	
For>500, Deduct	-4.11	
05 75 00 00-0019 SF 0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	28.34	3.03
For>16 To 200, Deduct	-1.64	
For>200 To 500, Deduct	-3.29	
For>500, Deduct	-4.71	
05 75 00 00-0020 SF 0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	40.84	3.54
For>16 To 200, Deduct	-2.31	
For>200 To 500, Deduct	-4.62	
For>500, Deduct	-6.66	
05 75 00 00-0021 SF 3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	55.31	3.75
For>16 To 200, Deduct	-3.05	
For>200 To 500, Deduct	-6.10	
For>500, Deduct	-8.86	
05 75 00 00-0022 SF 1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	75.76	4.55
For>16 To 200, Deduct	-4.13	
For>200 To 500, Deduct	-8.26	
For>500, Deduct	-12.05	
05 75 00 00-0023 SF 3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	126.86	4.88
For>16 To 200, Deduct	-6.71	
For>200 To 500, Deduct	-13.42	
For>500, Deduct	-19.76	
05 75 00 00-0024 SF 1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	162.36	5.68
For>16 To 200, Deduct	-8.55	
For>200 To 500, Deduct	-17.09	
For>500, Deduct	-25.21	
05 75 00 00-0025 Aluminum Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0026 SF 0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	10.09	2.37
For>16 To 200, Deduct	-0.68	
For>200 To 500, Deduct	-1.37	
For>500, Deduct	-1.87	
05 75 00 00-0027 SF 0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	11.42	2.64
For>16 To 200, Deduct	-0.77	
For>200 To 500, Deduct	-1.54	
For>500, Deduct	-2.11	
05 75 00 00-0028 SF 0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	12.66	2.85
For>16 To 200, Deduct	-0.85	
For>200 To 500, Deduct	-1.69	
For>500, Deduct	-2.33	
05 75 00 00-0029 SF 0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	13.91	2.99
For>16 To 200, Deduct	-0.92	
For>200 To 500, Deduct	-1.84	
For>500, Deduct	-2.54	
05 75 00 00-0030 SF 0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	15.13	3.12
For>16 To 200, Deduct	-0.99	
For>200 To 500, Deduct	-1.98	
For>500, Deduct	-2.74	



Metals	05	05
Decorative Metal	05 70	
Decorative Formed Metal	05 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0031 SF 0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls.....	16.47	3.28
For >16 To 200, Deduct	-1.07	
For >200 To 500, Deduct	-2.14	
For >500, Deduct	-2.96	
05 75 00 00-0032 SF 0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls.....	18.09	3.42
For >16 To 200, Deduct	-1.16	
For >200 To 500, Deduct	-2.32	
For >500, Deduct	-3.23	
05 75 00 00-0033 SF 0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls.....	21.46	3.99
For >16 To 200, Deduct	-1.37	
For >200 To 500, Deduct	-2.75	
For >500, Deduct	-3.82	
05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0035 SF 0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	9.68	2.37
For >16 To 200, Deduct	-0.66	
For >200 To 500, Deduct	-1.32	
For >500, Deduct	-1.81	
05 75 00 00-0036 SF 0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.74	2.64
For >16 To 200, Deduct	-0.74	
For >200 To 500, Deduct	-1.47	
For >500, Deduct	-2.01	
05 75 00 00-0037 SF 0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.43	2.85
For >16 To 200, Deduct	-0.79	
For >200 To 500, Deduct	-1.57	
For >500, Deduct	-2.14	
05 75 00 00-0038 SF 0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.14	2.99
For >16 To 200, Deduct	-0.83	
For >200 To 500, Deduct	-1.66	
For >500, Deduct	-2.27	
05 75 00 00-0039 SF 0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.02	3.12
For >16 To 200, Deduct	-0.89	
For >200 To 500, Deduct	-1.77	
For >500, Deduct	-2.42	
05 75 00 00-0040 SF 0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.97	3.28
For >16 To 200, Deduct	-0.94	
For >200 To 500, Deduct	-1.89	
For >500, Deduct	-2.59	
05 75 00 00-0041 SF 0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	15.46	3.42
For >16 To 200, Deduct	-1.03	
For >200 To 500, Deduct	-2.06	
For >500, Deduct	-2.83	
05 75 00 00-0042 SF 0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	17.63	3.70
For >16 To 200, Deduct	-1.16	
For >200 To 500, Deduct	-2.32	
For >500, Deduct	-3.20	
05 75 00 00-0043 SF 0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	20.32	4.28
For >16 To 200, Deduct	-1.34	
For >200 To 500, Deduct	-2.67	
For >500, Deduct	-3.69	
05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0045 SF 0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	12.83	2.25
For >16 To 200, Deduct	-0.87	
For >200 To 500, Deduct	-1.73	
For >500, Deduct	-2.37	
05 75 00 00-0046 SF 0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	14.79	2.55
For >16 To 200, Deduct	-0.99	
For >200 To 500, Deduct	-1.99	
For >500, Deduct	-2.73	
05 75 00 00-0047 SF 0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	16.75	2.82
For >16 To 200, Deduct	-1.12	
For >200 To 500, Deduct	-2.24	
For >500, Deduct	-3.08	
05 75 00 00-0048 SF 0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	18.46	3.05
For >16 To 200, Deduct	-1.23	
For >200 To 500, Deduct	-2.46	
For >500, Deduct	-3.38	

END OF SECTION 05

05	05	Metals
	05 70	Decorative Metal
	05 75	Decorative Formed Metal



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

THIS PAGE INTENTIONALLY LEFT BLANK



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

07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection ⁽⁰⁷⁾

07 01 50 Maintenance of Membrane Roofing ^(07 01)

07 01 50 19 Preparation for Re-Roofing ^(07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing ^(07 01 50 19)

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	35.14
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal.....	62.02

07 01 50 81 Roof Replacement ^(07 01 50)

07 01 50 81-0001 Roof Repair ^(07 01 50 81)

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	23.35
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	20.93
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	19.05
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	17.73
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	26.41
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	23.99
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	22.11
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	20.79
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	20.30
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	18.18
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	16.61
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	15.59
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair.....	7.25

07 01 50 81-0015 Emergency Roof Patch ^(07 01 50 81)

Note: 4 Hour response time.

07 01 50 81-0016	EA	Granule Emergency Roof Patch Cover 16 SF	95.15
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching.....	452.91

07 01 50 81-0018 Adhesives ^(07 01 50 81)

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer ^(07 01 50 81-0018)

07 01 50 81-0020 Applied At Joints Only ^(07 01 50 81-0019)

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint.....	4.49
------------------	----	--	------

1.93

07 01 50 91 Roofing Restoration ^(07 01 50)

07 01 50 91-0001 Pressure Wash Membrane Roofing ^(07 01 50 91)

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing.....	0.15
		<i>For Up To 100, Add</i>	<i>0.11</i>
		<i>For >100 To 250, Add</i>	<i>0.05</i>
		<i>For >250 To 500, Add</i>	<i>0.02</i>
		<i>For >5,000 To 10,000, Deduct</i>	<i>-0.01</i>
		<i>For >10,000 To 15,000, Deduct</i>	<i>-0.02</i>
		<i>For >15,000 To 30,000, Deduct</i>	<i>-0.02</i>
		<i>For >30,000, Deduct</i>	<i>-0.03</i>

07 05 Common Work Results for Thermal and Moisture Protection ⁽⁰⁷⁾

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work ^(07 05)

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work ^(07 05 13)

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work.....	1,360.90
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,018.23
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	680.45
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	339.41

07 10 Dampproofing and Waterproofing ⁽⁰⁷⁾

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing**

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

the absence of hydrostatic pressure.

07 11 Dampproofing (07 10)**07 11 13 Bituminous Dampproofing** (07 11)**07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray** (07 11 13)

07 11 13 00-0002 CSF 1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray174.26
 07 11 13 00-0003 CSF 2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing264.84

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On (07 11 13)

07 11 13 00-0005 CSF Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On302.34
 07 11 13 00-0006 CSF Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing473.28

07 11 13 00-0007 Asphaltic Paint Dampproofing (07 11 13)

07 11 13 00-0008 CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On138.81
 07 11 13 00-0009 CSF 2 Coats, Brushed On, Asphaltic Paint Dampproofing257.22

07 11 19 Sheet Dampproofing (07 11)**07 11 19 00-0001 Neoprene** (07 11 19)

07 11 19 00-0002 SF 1/16" Patch Neoprene Roof (5 To 20 SF)36.35

07 13 Sheet Waterproofing (07 10)**07 13 13 Bituminous Sheet Waterproofing** (07 13)**07 13 13 00-0001 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped** (07 13 13)

07 13 13 00-0002 CSF 1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped325.51 110.55
For 30 LB Felt, Add 78.32
For Application To Horizontal Surfaces, Deduct -33.16
 07 13 13 00-0003 CSF 2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped413.05 124.36
For 30 LB Felt, Add 123.24
For Application To Horizontal Surfaces, Deduct -37.31
 07 13 13 00-0004 CSF 3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped500.57 138.18
For 30 LB Felt, Add 168.16
For Application To Horizontal Surfaces, Deduct -41.45
 07 13 13 00-0005 CSF 4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped588.09 152.00
For 30 LB Felt, Add 213.08
For Application To Horizontal Surfaces, Deduct -45.60
 07 13 13 00-0006 CSF 5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped675.62 165.82
For 30 LB Felt, Add 257.99
For Application To Horizontal Surfaces, Deduct -49.74

07 13 13 00-0007 Asphalt Coated Protective Board (07 13 13)

07 13 13 00-0008 CSF 1/8" Asphalt Coated Protective Board270.87 109.04
For Application To Horizontal Surfaces, Deduct -36.37
 07 13 13 00-0009 CSF 1/4" Asphalt Coated Protective Board359.14 113.23
For Application To Horizontal Surfaces, Deduct -37.74
 07 13 13 00-0010 CSF 3/8" Asphalt Coated Protective Board465.52 117.99
For Application To Horizontal Surfaces, Deduct -39.32
 07 13 13 00-0011 CSF 1/2" Asphalt Coated Protective Board519.82 122.74
For Application To Horizontal Surfaces, Deduct -40.92

07 13 53 Elastomeric Sheet Waterproofing (07 13)**07 13 53 00-0001 Rubberized Membrane Sheet** (07 13 53)

07 13 53 00-0002 SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface7.51 1.13
For Floor Surfaces, Deduct -1.11

07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) (07 13 53)

07 13 53 00-0004 CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane433.35 158.52
For Application To Horizontal Surfaces, Deduct -47.55
 07 13 53 00-0005 CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane487.05 158.52
For Application To Horizontal Surfaces, Deduct -47.55

07 13 53 00-0006 Butyl Sheet Waterproofing (07 13 53)

07 13 53 00-0007 CSF 1/32" Butyl Sheet Waterproofing100.08 39.63
For Joint Taping, Add 14.14
For Each Additional Ply, Add 74.03
For Application To Horizontal Surfaces, Deduct -5.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0008 CSF 1/16" Butyl Sheet Waterproofing.....	119.29	39.63
<i>For Joint Taping, Add</i>	15.10	
<i>For Each Additional Ply, Add</i>	87.47	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.96	
07 13 53 00-0009 Butyl With Nylon (07 13 53)		
07 13 53 00-0010 CSF 1/32" Butyl Elastomeric Waterproofing With Nylon.....	111.06	39.63
<i>For Joint Taping, Add</i>	14.69	
<i>For Each Additional Ply, Add</i>	81.71	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.96	
07 13 53 00-0011 CSF 1/16" Butyl Elastomeric Waterproofing With Nylon.....	123.41	39.63
<i>For Joint Taping, Add</i>	15.30	
<i>For Each Additional Ply, Add</i>	90.36	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.96	
07 13 53 00-0012 Neoprene Sheet Waterproofing (07 13 53)		
07 13 53 00-0013 CSF 1/32" Neoprene Sheet Waterproofing.....	174.24	39.63
<i>For Joint Taping, Add</i>	17.85	
<i>For Each Additional Ply, Add</i>	125.94	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.96	
07 13 53 00-0014 CSF 1/16" Neoprene Sheet Waterproofing.....	256.01	39.63
<i>For Joint Taping, Add</i>	21.93	
<i>For Each Additional Ply, Add</i>	183.18	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.96	
07 13 53 00-0015 Neoprene With Nylon (07 13 53)		
07 13 53 00-0016 CSF 1/32" Neoprene Elastomeric Waterproofing With Nylon.....	182.77	39.63
<i>For Joint Taping, Add</i>	18.27	
<i>For Each Additional Ply, Add</i>	131.91	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.96	
07 13 53 00-0017 CSF 1/16" Neoprene Elastomeric Waterproofing With Nylon.....	269.64	39.63
<i>For Joint Taping, Add</i>	22.62	
<i>For Each Additional Ply, Add</i>	192.72	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.96	
07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene) (07 13 53)		
07 13 53 00-0019 CSF 4 Mil Polyethylene Vapor Barrier.....	39.75	14.79
<i>For Joint Taping, Add</i>	9.52	
<i>For Each Additional Ply, Add</i>	31.10	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.91	
07 13 53 00-0020 CSF 6 Mil Polyethylene Vapor Barrier.....	40.76	14.79
<i>For Joint Taping, Add</i>	9.57	
<i>For Each Additional Ply, Add</i>	31.81	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.91	
07 13 53 00-0021 CSF 10 Mil Polyethylene Vapor Barrier.....	66.55	14.79
<i>For Joint Taping, Add</i>	10.86	
<i>For Each Additional Ply, Add</i>	49.86	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.91	
07 13 53 00-0022 CSF 60 Mil Polyethylene Vapor Barrier With Bentonite.....	102.49	14.79
Note: Includes seam tape, liquid mastic, anchors and termination bar.		
<i>For Each Additional Ply, Add</i>	75.38	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.46	
07 13 53 00-0023 Plastic Vapor Barrier (PVC) (07 13 53)		
07 13 53 00-0024 CSF 10 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	46.71	16.36
<i>For Joint Taping, Add</i>	9.86	
<i>For Each Additional Ply, Add</i>	35.97	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.91	
07 13 53 00-0025 CSF 20 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	58.12	16.97
<i>For Joint Taping, Add</i>	10.72	
<i>For Each Additional Ply, Add</i>	44.08	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.10	
07 13 53 00-0026 CSF 30 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	73.28	17.57
<i>For Joint Taping, Add</i>	11.75	
<i>For Each Additional Ply, Add</i>	54.81	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.27	
07 13 53 00-0027 Vinyl Plastic Vapor Barrier (07 13 53)		
07 13 53 00-0028 CSF 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4).....	43.68	15.15

07 14 Fluid-Applied Waterproofing (07 10)

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)

07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 14 Fluid-Applied Waterproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 14 13 00-0002 SF 90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	2.40	
Note: Includes primer.		
For Application To Horizontal Surfaces, Deduct	-0.21	
For Reinforcing Fabric, Add	0.54	
07 14 13 00-0003 SF 125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	2.81	
Note: Includes primer.		
For Application To Horizontal Surfaces, Deduct	-0.22	
For Reinforcing Fabric, Add	0.54	
07 14 16 Cold Fluid-Applied Waterproofing (07 14)		
07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane (07 14 16)		
07 14 16 00-0002 SF 60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	4.01	
For Application To Horizontal Surfaces, Deduct	-0.48	
07 14 16 00-0003 SF 90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	4.58	
For Application To Horizontal Surfaces, Deduct	-0.50	
07 14 16 00-0004 SF 120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	5.19	
For Application To Horizontal Surfaces, Deduct	-0.53	
07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)		
07 14 16 00-0006 SF 15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer.....	2.66	
07 14 16 00-0007 Copolymer Compound (07 14 16)		
07 14 16 00-0008 SF 32 Mil, Fluid Elastomeric Copolymer Compound For Slabs.....	4.26	
07 14 16 00-0009 Fluid Applied Neoprene (07 14 16)		
07 14 16 00-0010 CSF 1/8" Fiberglass Reinforced, Fluid Applied Neoprene.....	502.73	
For Application To Horizontal Surfaces, Deduct	-57.75	
07 14 16 00-0011 CSF 50 Mil, 4 Coats, Fluid Applied Neoprene.....	1,019.59	
For Application To Horizontal Surfaces, Deduct	-113.28	
07 14 16 00-0012 CSF 90 Mil, 4 Coats, Fluid Applied Neoprene.....	1,660.98	
For Application To Horizontal Surfaces, Deduct	-169.84	
07 16 Cementitious and Reactive Waterproofing (07 10)		
07 16 13 Polymer Modified Cement Waterproofing (07 16)		
07 16 13 00-0001 SF Polymer Modified Cementitious Waterproofing Assembly, 2 Coats.....	4.73	
Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.		
07 16 16 Crystalline Waterproofing (07 16)		
07 16 16 00-0001 SF Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate).....	6.02	
07 16 19 Metal Oxide Waterproofing (07 16)		
07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19)		
Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat.		
07 16 19 00-0002 CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller).....	471.57	
For Application To Horizontal Surfaces, Deduct	-58.68	
07 17 Bentonite Waterproofing (07 10)		
07 17 13 Bentonite Panel Waterproofing (07 17)		
07 17 13 00-0001 CSF 3/16" Bentonite Waterproofing Panels.....	450.57	130.10
For Application To Horizontal Surfaces, Deduct	-39.04	
07 17 13 00-0002 CSF 1/4" Bentonite Waterproofing Panels.....	414.65	137.46
For Application To Horizontal Surfaces, Deduct	-42.25	
07 17 13 00-0003 CSF 5/8" Bentonite Waterproofing Panels.....	564.55	143.35
For Application To Horizontal Surfaces, Deduct	-42.99	
07 17 13 00-0004 CSF 3/8" Granular Bentonite, Troweled.....	455.84	119.23
For Application To Horizontal Surfaces, Deduct	-35.75	
07 19 Water Repellents (07 10)		
07 19 13 Acrylic Sealer (07 19)		
Note: Per coat.		
07 19 13 00-0001 SF Spray On Concrete, Acrylic Sealer.....	2.49	
07 19 13 00-0002 SF Spray On Concrete Block/Brick, Acrylic Sealer.....	2.96	
07 19 13 00-0003 SF Spray On Stone, Acrylic Sealer.....	3.26	



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

07 20 Thermal Protection ⁽⁰⁷⁾

07 21 Thermal Insulation ^(07 20)

07 21 13 Board Insulation ^(07 21)

Note: Types are stock sizes, mastic applied.

07 21 13 13 Foam Board Insulation ^(07 21 13)

07 21 13 13-0001	Cold Adhesive Applied Foam Board Insulation ^(07 21 13 13)		
07 21 13 13-0002	Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation ^(07 21 13 13-0001)		
07 21 13 13-0003	SF 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	3.02	0.42
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0004	SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	4.02	0.42
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0005	SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	4.69	0.43
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0006	SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	6.03	0.44
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0007	Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation ^(07 21 13 13-0001)		
07 21 13 13-0008	SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.80	0.41
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0009	SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.68	0.41
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0010	SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.84	0.41
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0011	SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.99	0.42
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0012	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.65	0.43
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0013	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.30	0.44
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0014	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.96	0.45
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0015	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	4.60	0.46
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0016	SF 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	5.26	0.47
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0017	Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation ^(07 21 13 13-0001)		
	Note: 15 PSI compressive strength.		
07 21 13 13-0018	SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.06	0.41
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.22	
	<i>For 40 PSI Compressive Strength, Add</i>	0.52	
	<i>For 60 PSI Compressive Strength, Add</i>	0.83	
	<i>For 115 PSI Compressive Strength, Add</i>	3.59	
07 21 13 13-0019	SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.42	0.41
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.28	
	<i>For 40 PSI Compressive Strength, Add</i>	0.66	
	<i>For 60 PSI Compressive Strength, Add</i>	1.04	
	<i>For 115 PSI Compressive Strength, Add</i>	4.52	
07 21 13 13-0020	SF 3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.71	0.41
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.32	
	<i>For 40 PSI Compressive Strength, Add</i>	0.77	
	<i>For 60 PSI Compressive Strength, Add</i>	1.21	
	<i>For 115 PSI Compressive Strength, Add</i>	5.26	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0021 SF 1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.23	0.42
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.25	
<i>For 40 PSI Compressive Strength, Add</i>	0.59	
<i>For 60 PSI Compressive Strength, Add</i>	0.93	
<i>For 115 PSI Compressive Strength, Add</i>	4.03	
07 21 13 13-0022 SF 2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	3.11	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.38	
<i>For 40 PSI Compressive Strength, Add</i>	0.91	
<i>For 60 PSI Compressive Strength, Add</i>	1.43	
<i>For 115 PSI Compressive Strength, Add</i>	6.24	
07 21 13 13-0023 SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.00	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.52	
<i>For 40 PSI Compressive Strength, Add</i>	1.24	
<i>For 60 PSI Compressive Strength, Add</i>	1.93	
<i>For 115 PSI Compressive Strength, Add</i>	8.48	
07 21 13 13-0024 SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.46	0.45
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.59	
<i>For 40 PSI Compressive Strength, Add</i>	1.41	
<i>For 60 PSI Compressive Strength, Add</i>	2.19	
<i>For 115 PSI Compressive Strength, Add</i>	9.61	
07 21 13 13-0025 Mechanically Fastened Foam Board Insulation <small>(07 21 13 13)</small>		
Note: Mechanically fastened to wood or steel.		
07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation <small>(07 21 13 13-0025)</small>		
Note: Mechanically fastened to wood or steel.		
07 21 13 13-0027 SF 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	2.82	0.42
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.87	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 21 13 13-0028 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	3.89	0.42
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.82	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.89	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 21 13 13-0029 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.57	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.82	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.89	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 21 13 13-0030 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	5.96	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.88	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.33	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	
07 21 13 13-0031 Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation <small>(07 21 13 13-0025)</small>		



Thermal And Moisture Protection			07
Thermal Protection			07 20
Thermal Insulation			07 21

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0032 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.59	0.41
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.87	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 21 13 13-0033 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.47	0.41
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.87	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 21 13 13-0034 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.62	0.41
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.87	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 21 13 13-0035 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.79	0.42
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.87	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 21 13 13-0036 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.53	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.82	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.89	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 21 13 13-0037 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.24	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.88	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.33	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	
07 21 13 13-0038 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.99	0.45
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.45	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.69	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0039	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	4.77	0.46
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.15	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	7.23	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	
07 21 13 13-0040	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	5.93	0.47
			<i>For Horizontal Surface Application, Deduct</i>	-0.10	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.62	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.44	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.37	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.12	
07 21 13 13-0041			Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation <small>(07 21 13 13-0025)</small>		
			Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 21 13 13-0042	SF		3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.85	0.41
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.16	
			<i>For 40 PSI Compressive Strength, Add</i>	0.39	
			<i>For 60 PSI Compressive Strength, Add</i>	0.64	
			<i>For 115 PSI Compressive Strength, Add</i>	2.73	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.87	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 21 13 13-0043	SF		1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.21	0.41
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.22	
			<i>For 40 PSI Compressive Strength, Add</i>	0.53	
			<i>For 60 PSI Compressive Strength, Add</i>	0.85	
			<i>For 115 PSI Compressive Strength, Add</i>	3.65	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.87	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 21 13 13-0044	SF		3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.50	0.41
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.27	
			<i>For 40 PSI Compressive Strength, Add</i>	0.64	
			<i>For 60 PSI Compressive Strength, Add</i>	1.02	
			<i>For 115 PSI Compressive Strength, Add</i>	4.40	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.87	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 21 13 13-0045	SF		1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.03	0.42
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
			<i>For 40 PSI Compressive Strength, Add</i>	0.46	
			<i>For 60 PSI Compressive Strength, Add</i>	0.74	
			<i>For 115 PSI Compressive Strength, Add</i>	3.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.87	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0046 SF 2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.99	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.34	
<i>For 40 PSI Compressive Strength, Add</i>	0.81	
<i>For 60 PSI Compressive Strength, Add</i>	1.27	
<i>For 115 PSI Compressive Strength, Add</i>	5.54	
<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.82	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.89	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 21 13 13-0047 SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	3.94	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.49	
<i>For 40 PSI Compressive Strength, Add</i>	1.16	
<i>For 60 PSI Compressive Strength, Add</i>	1.81	
<i>For 115 PSI Compressive Strength, Add</i>	7.93	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.88	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.33	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	
07 21 13 13-0048 SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.49	0.45
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.57	
<i>For 40 PSI Compressive Strength, Add</i>	1.36	
<i>For 60 PSI Compressive Strength, Add</i>	2.13	
<i>For 115 PSI Compressive Strength, Add</i>	9.32	
<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.45	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.69	
07 21 13 16 Fibrous Board Insulation (07 21 13)		
07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation (07 21 13 16)		
07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0001)		
07 21 13 16-0003 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.20	0.52
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0004 SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	3.02	0.62
<i>For Horizontal Surface Application, Deduct</i>	-0.11	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0005 SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	3.84	0.73
<i>For Horizontal Surface Application, Deduct</i>	-0.12	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation (07 21 13 16-0001)		
07 21 13 16-0007 SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	3.40	0.42
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0008 SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.50	0.42
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0009 SF 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	6.80	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0010 SF 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	7.85	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0011 SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	8.89	0.44
For Horizontal Surface Application, Deduct	-0.07	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation (07 21 13 16)		
Note: Mechanically fastened to wood or steel.		
07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board		
Insulation (07 21 13 16-0012)		
Note: Mechanically fastened to wood or steel.		
07 21 13 16-0014 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	1.86	0.52
For Horizontal Surface Application, Deduct	-0.09	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Gypsum, Add	1.86	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.56	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.91	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.83	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.87	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 21 13 16-0015 SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	2.74	0.62
For Horizontal Surface Application, Deduct	-0.11	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Concrete, Add	1.56	
For Mechanically Fastened To Gypsum, Add	1.82	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.69	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.95	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.21	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.03	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.89	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.31	
07 21 13 16-0016 SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	3.62	0.73
For Horizontal Surface Application, Deduct	-0.12	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Concrete, Add	1.60	
For Mechanically Fastened To Gypsum, Add	1.88	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.05	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.33	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.18	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.08	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.51	
07 21 13 16-0017 Mechanically Fastened, Fiberglass, Fibrous Board Insulation (07 21 13 16-0012)		
Note: Mechanically fastened to wood or steel.		
07 21 13 16-0018 SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	3.20	0.42
For Horizontal Surface Application, Deduct	-0.08	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Gypsum, Add	1.86	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.56	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.91	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.83	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.87	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 21 13 16-0019 SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	5.37	0.42
For Horizontal Surface Application, Deduct	-0.09	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For Factory Painted On One Surface Add	0.17	
For Mechanically Fastened To Concrete, Add	1.56	
For Mechanically Fastened To Gypsum, Add	1.82	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.69	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.95	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.03	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.89	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0020 SF 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	6.67	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.82	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.89	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 21 13 16-0021 SF 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	7.79	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.85	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.45	
07 21 13 16-0022 SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	8.83	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.88	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.33	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	
07 21 13 19 Mineral Board Insulation <small>(07 21 13)</small>		
07 21 13 19-0001 Cold Adhesive Applied Mineral Board Insulation <small>(07 21 13 19)</small>		
07 21 13 19-0002 Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation <small>(07 21 13 19-0001)</small>		
07 21 13 19-0003 SF 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	1.77	0.47
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0004 SF 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.01	0.49
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0005 SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.28	0.52
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0006 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.72	0.57
<i>For Horizontal Surface Application, Deduct</i>	-0.10	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0007 SF 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.18	0.62
<i>For Horizontal Surface Application, Deduct</i>	-0.11	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0008 SF 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	4.07	0.73
<i>For Horizontal Surface Application, Deduct</i>	-0.12	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation <small>(07 21 13 19)</small>		
Note: Mechanically fastened to wood or steel.		
07 21 13 19-0010 Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation <small>(07 21 13 19-0009)</small>		
Note: Mechanically fastened to wood or steel.		
07 21 13 19-0011 SF 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.43	0.47
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.87	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0012	SF		25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.67	0.49
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.87	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 21 13 19-0013	SF		1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.94	0.52
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.87	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 21 13 19-0014	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.44	0.57
			<i>For Horizontal Surface Application, Deduct</i>	-0.10	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.82	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 21 13 19-0015	SF		2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.89	0.62
			<i>For Horizontal Surface Application, Deduct</i>	-0.11	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.82	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 21 13 19-0016	SF		3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	3.85	0.73
			<i>For Horizontal Surface Application, Deduct</i>	-0.12	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.88	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.33	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	

07 21 16 Blanket Insulation (07 21)

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation (07 21 16)

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)

07 21 16 00-0003	SF		3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	1.91	0.55
			<i>For >1,600, Deduct</i>	-0.22	
07 21 16 00-0004	SF		3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	2.08	0.55
			<i>For >1,600, Deduct</i>	-0.25	
07 21 16 00-0005	SF		3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	2.13	0.55
			<i>For >1,600, Deduct</i>	-0.26	
07 21 16 00-0006	SF		5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	2.90	0.55
			<i>For >1,600, Deduct</i>	-0.41	
07 21 16 00-0007	SF		6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	2.41	0.55
			<i>For >1,600, Deduct</i>	-0.31	
07 21 16 00-0008	SF		9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation.....	3.40	0.68
			<i>For >1,600, Deduct</i>	-0.48	
07 21 16 00-0009	SF		12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	3.86	0.68
			<i>For >1,600, Deduct</i>	-0.54	

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)



Thermal And Moisture Protection		07
Thermal Protection		07 20
Thermal Insulation		07 21

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0011	SF		3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	1.80	0.55
			<i>For >1,600, Deduct</i>	-0.20	
07 21 16 00-0012	SF		3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.99	0.55
			<i>For >1,600, Deduct</i>	-0.24	
07 21 16 00-0013	SF		3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	2.71	0.55
			<i>For >1,600, Deduct</i>	-0.38	
07 21 16 00-0014	SF		5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	2.78	0.55
			<i>For >1,600, Deduct</i>	-0.39	
07 21 16 00-0015	SF		6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	2.33	0.55
			<i>For >1,600, Deduct</i>	-0.29	
07 21 16 00-0016	SF		9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	3.18	0.68
			<i>For >1,600, Deduct</i>	-0.44	
07 21 16 00-0017	SF		12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	3.72	0.68
			<i>For >1,600, Deduct</i>	-0.51	
07 21 16 00-0018			Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0019	SF		3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	2.21	0.55
			<i>For >1,600, Deduct</i>	-0.28	
07 21 16 00-0020	SF		3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	2.49	0.55
			<i>For >1,600, Deduct</i>	-0.34	
07 21 16 00-0021	SF		6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	2.80	0.55
			<i>For >1,600, Deduct</i>	-0.38	
07 21 16 00-0022	SF		10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	4.00	0.68
			<i>For >1,600, Deduct</i>	-0.58	
07 21 16 00-0023	SF		12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation.....	4.39	0.68
			<i>For >1,600, Deduct</i>	-0.65	
07 21 16 00-0024			Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0025	SF		3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.96	0.55
			<i>For >1,600, Deduct</i>	-0.23	
07 21 16 00-0026	SF		3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	2.13	0.55
			<i>For >1,600, Deduct</i>	-0.26	
07 21 16 00-0027	SF		5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	3.00	0.55
			<i>For >1,600, Deduct</i>	-0.43	
07 21 16 00-0028	SF		6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	2.44	0.55
			<i>For >1,600, Deduct</i>	-0.31	
07 21 16 00-0029	SF		8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	3.32	0.68
			<i>For >1,600, Deduct</i>	-0.48	
07 21 16 00-0030	SF		10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	3.72	0.68
			<i>For >1,600, Deduct</i>	-0.51	
07 21 16 00-0031			Mineral Wool Flexible Insulation (07 21 16)		
07 21 16 00-0032			Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0033	SF		3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation.....	2.16	0.55
			<i>For >1,600, Deduct</i>	-0.27	
07 21 16 00-0034	SF		6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation.....	2.92	0.55
			<i>For >1,600, Deduct</i>	-0.41	
07 21 16 00-0035	SF		9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation.....	4.65	0.55
			<i>For >1,600, Deduct</i>	-0.73	
07 21 16 00-0036	SF		12" Kraft Faced, R-38 Mineral Wool Flexible Insulation.....	5.55	0.55
			<i>For >1,600, Deduct</i>	-0.88	
07 21 16 00-0037			Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0038	SF		3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation	2.00	0.55
			<i>For >1,600, Deduct</i>	-0.24	
07 21 16 00-0039	SF		6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation	2.66	0.55
			<i>For >1,600, Deduct</i>	-0.36	
07 21 16 00-0040	SF		9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation.....	4.15	0.55
			<i>For >1,600, Deduct</i>	-0.63	
07 21 16 00-0041	SF		12" Unfaced, R-38 Mineral Wool Flexible Insulation	4.95	0.55
			<i>For >1,600, Deduct</i>	-0.76	
07 21 16 00-0042			Natural Cotton Insulation (07 21 16)		
07 21 16 00-0043			UltraTouch™ Natural Cotton Insulation (07 21 16 00-0042)		
			Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF		3-1/2", R-13 UltraTouch™ Natural Cotton Insulation	3.02	0.55
			<i>For >1,600, Deduct</i>	-0.44	
07 21 16 00-0045	SF		5-1/2", R-19 UltraTouch™ Natural Cotton Insulation	3.40	0.55
			<i>For >1,600, Deduct</i>	-0.51	
07 21 16 00-0046	SF		5-1/2", R-21 UltraTouch™ Natural Cotton Insulation	3.82	0.55
			<i>For >1,600, Deduct</i>	-0.60	
07 21 16 00-0047	SF		8", R-30 UltraTouch™ Natural Cotton Insulation	5.12	0.55
			<i>For >1,600, Deduct</i>	-0.84	
07 21 19			Foamed-In-Place Insulation (07 21)		

07 Thermal And Moisture Protection

07 20 Thermal Protection

07 21 Thermal Insulation

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 21 19 00-0001 Polyurethane Foam Insulation, Sprayed On <small>(07 21 19)</small>		
07 21 19 00-0002	EA Foamed-In-Place, Spray Polyurethane Insulation Minimum Charge.....	1,438.17
	Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
07 21 19 00-0003	SF 1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.47
	For Up To 250 SF, Add	0.56
	For >250 To 500 SF, Add	0.28
	For >500 To 1,000 SF, Add	0.12
	For >5,000 To 10,000 SF, Deduct	-0.18
	For >10,000 SF, Deduct	-0.44
07 21 19 00-0004	SF 1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.99
	For Up To 250 SF, Add	0.73
	For >250 To 500 SF, Add	0.36
	For >500 To 1,000 SF, Add	0.15
	For >5,000 To 10,000 SF, Deduct	-0.23
	For >10,000 SF, Deduct	-0.57
07 21 19 00-0005	SF 2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.51
	For Up To 250 SF, Add	0.90
	For >250 To 500 SF, Add	0.45
	For >500 To 1,000 SF, Add	0.19
	For >5,000 To 10,000 SF, Deduct	-0.29
	For >10,000 SF, Deduct	-0.71
07 21 19 00-0006	SF 2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.03
	For Up To 250 SF, Add	1.07
	For >250 To 500 SF, Add	0.53
	For >500 To 1,000 SF, Add	0.23
	For >5,000 To 10,000 SF, Deduct	-0.34
	For >10,000 SF, Deduct	-0.84
07 21 19 00-0007	SF 3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.55
	For Up To 250 SF, Add	1.24
	For >250 To 500 SF, Add	0.62
	For >500 To 1,000 SF, Add	0.27
	For >5,000 To 10,000 SF, Deduct	-0.40
	For >10,000 SF, Deduct	-0.97
07 21 19 00-0008	SF 3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.07
	For Up To 250 SF, Add	1.41
	For >250 To 500 SF, Add	0.70
	For >500 To 1,000 SF, Add	0.30
	For >5,000 To 10,000 SF, Deduct	-0.45
	For >10,000 SF, Deduct	-1.11
07 21 19 00-0009	SF 4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.58
	For Up To 250 SF, Add	1.58
	For >250 To 500 SF, Add	0.79
	For >500 To 1,000 SF, Add	0.34
	For >5,000 To 10,000 SF, Deduct	-0.51
	For >10,000 SF, Deduct	-1.24
07 21 19 00-0010	SF 4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	5.10
	For Up To 250 SF, Add	1.75
	For >250 To 500 SF, Add	0.87
	For >500 To 1,000 SF, Add	0.38
	For >5,000 To 10,000 SF, Deduct	-0.56
	For >10,000 SF, Deduct	-1.37
07 21 19 00-0011	SF 5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	5.61
	For Up To 250 SF, Add	1.91
	For >250 To 500 SF, Add	0.96
	For >500 To 1,000 SF, Add	0.41
	For >5,000 To 10,000 SF, Deduct	-0.62
	For >10,000 SF, Deduct	-1.50
07 21 19 00-0012	SF 5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	6.14
	For Up To 250 SF, Add	2.09
	For >250 To 500 SF, Add	1.04
	For >500 To 1,000 SF, Add	0.45
	For >5,000 To 10,000 SF, Deduct	-0.68
	For >10,000 SF, Deduct	-1.64
07 21 19 00-0013	SF 6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	6.66
	For Up To 250 SF, Add	2.26
	For >250 To 500 SF, Add	1.13
	For >500 To 1,000 SF, Add	0.49
	For >5,000 To 10,000 SF, Deduct	-0.73
	For >10,000 SF, Deduct	-1.77
07 21 19 00-0014	SF 1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	2.84
	For Up To 250 SF, Add	1.06
	For >250 To 500 SF, Add	0.53
	For >500 To 1,000 SF, Add	0.22
	For >5,000 To 10,000 SF, Deduct	-0.34
	For >10,000 SF, Deduct	-0.84
07 21 19 00-0015	SF 1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	3.77
	For Up To 250 SF, Add	1.35
	For >250 To 500 SF, Add	0.67
	For >500 To 1,000 SF, Add	0.29
	For >5,000 To 10,000 SF, Deduct	-0.43
	For >10,000 SF, Deduct	-1.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0016 SF 2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.58	
For Up To 250 SF, Add	1.58	
For >250 To 500 SF, Add	0.79	
For >500 To 1,000 SF, Add	0.34	
For >5,000 To 10,000 SF, Deduct	-0.51	
For >10,000 SF, Deduct	-1.24	
07 21 19 00-0017 SF 2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.50	
For Up To 250 SF, Add	1.86	
For >250 To 500 SF, Add	0.93	
For >500 To 1,000 SF, Add	0.40	
For >5,000 To 10,000 SF, Deduct	-0.60	
For >10,000 SF, Deduct	-1.46	
07 21 19 00-0018 SF 3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.32	
For Up To 250 SF, Add	2.09	
For >250 To 500 SF, Add	1.04	
For >500 To 1,000 SF, Add	0.45	
For >5,000 To 10,000 SF, Deduct	-0.68	
For >10,000 SF, Deduct	-1.63	
07 21 19 00-0019 SF 3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.25	
For Up To 250 SF, Add	2.37	
For >250 To 500 SF, Add	1.19	
For >500 To 1,000 SF, Add	0.52	
For >5,000 To 10,000 SF, Deduct	-0.77	
For >10,000 SF, Deduct	-1.86	
07 21 19 00-0020 SF 4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.07	
For Up To 250 SF, Add	2.60	
For >250 To 500 SF, Add	1.30	
For >500 To 1,000 SF, Add	0.57	
For >5,000 To 10,000 SF, Deduct	-0.85	
For >10,000 SF, Deduct	-2.04	
07 21 19 00-0021 SF 4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.99	
For Up To 250 SF, Add	2.89	
For >250 To 500 SF, Add	1.44	
For >500 To 1,000 SF, Add	0.63	
For >5,000 To 10,000 SF, Deduct	-0.95	
For >10,000 SF, Deduct	-2.26	
07 21 19 00-0022 SF 5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.81	
For Up To 250 SF, Add	3.12	
For >250 To 500 SF, Add	1.56	
For >500 To 1,000 SF, Add	0.68	
For >5,000 To 10,000 SF, Deduct	-1.02	
For >10,000 SF, Deduct	-2.43	
07 21 19 00-0023 SF 5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	10.72	
For Up To 250 SF, Add	3.40	
For >250 To 500 SF, Add	1.70	
For >500 To 1,000 SF, Add	0.74	
For >5,000 To 10,000 SF, Deduct	-1.12	
For >10,000 SF, Deduct	-2.65	
07 21 19 00-0024 SF 6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.54	
For Up To 250 SF, Add	3.63	
For >250 To 500 SF, Add	1.81	
For >500 To 1,000 SF, Add	0.80	
For >5,000 To 10,000 SF, Deduct	-1.19	
For >10,000 SF, Deduct	-2.83	
07 21 19 00-0025 Expanding Foam Insulation To Fill Hollow Metal Door Frames (07 21 19)		
07 21 19 00-0026 LF Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	5.06	
07 21 19 00-0027 LF Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	6.31	
07 21 19 00-0028 LF Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	7.57	
07 21 19 00-0029 LF Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame	8.88	
07 21 19 00-0030 LF Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame	10.27	
07 21 19 00-0031 Expanding Foam Insulation To Fill Window Frames (07 21 19)		
07 21 19 00-0032 LF Expanding Foam Insulation To Fill Window Frame	4.95	
07 21 23 Loose-Fill Insulation (07 21)		
07 21 23 00-0001 Poured Type, Loose Fill Insulation (07 21 23)		
07 21 23 00-0002 CF R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation	7.77	3.16
07 21 23 00-0003 CF R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation	8.10	3.16
07 21 23 00-0004 Concrete Block Wall Cavity Insulation (07 21 23)		
07 21 23 00-0005 CF R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	12.26	3.16
07 21 23 00-0006 CF R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation	12.14	3.16
07 21 26 Blown Insulation (07 21)		
07 21 26 00-0001 Fiberglass Blown-In Insulation (07 21 26)		
07 21 26 00-0002 Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0003	SF	4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation.....	1.58	1.33
07 21 26 00-0004	SF	5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.76	1.47
07 21 26 00-0005	SF	6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation.....	1.94	1.60
07 21 26 00-0006	SF	7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	2.16	1.74
07 21 26 00-0007	SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	2.29	1.80
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation.....	2.45	1.87
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	2.62	1.94
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation.....	2.74	2.00
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation.....	2.94	2.14
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	3.10	2.21
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	3.30	2.27
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	3.56	2.40
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	4.10	2.67
07 21 26 00-0016		New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation.....	2.23	1.33
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation.....	2.92	1.60
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation.....	3.42	1.74
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation.....	4.00	1.87
07 21 26 00-0021		Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation.....	2.07	1.33
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation.....	2.76	1.60
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation.....	3.26	1.74
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation.....	3.84	1.87
07 21 26 00-0026		Cellulose Blown-In Insulation (07 21 26)		
07 21 26 00-0027		Attic, Cellulose Blown-In Insulation (07 21 26 00-0026)		
07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation.....	1.63	1.33
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation.....	1.93	1.47
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation.....	2.15	1.60
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation.....	2.47	1.74
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation.....	2.51	1.74
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation.....	2.88	1.87
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation.....	2.94	1.87
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation.....	3.21	2.00
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation.....	3.38	2.00
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation.....	3.65	2.14
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation.....	3.82	2.14
07 21 26 00-0039		New Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation.....	2.14	1.33
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation.....	2.78	1.60
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation.....	3.22	1.74
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation.....	3.75	1.87
07 21 26 00-0044		Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation.....	1.98	1.33
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation.....	2.62	1.60
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation.....	3.06	1.74
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation.....	3.59	1.87
07 21 29		Sprayed Insulation (07 21)		
07 21 29 00-0001		Fiber Sprayed On Insulation (07 21 29)		
		Note: Per each 1" of thickness.		
07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation.....	2.83	0.70
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation.....	2.03	0.70
07 21 29 00-0004		Cellulose Sprayed On Insulation (07 21 29)		
07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation.....	4.28	0.70
07 21 53		Reflective Insulation (07 21)		
07 21 53 00-0001		Reflective Barrier Insulation (Foil - Single Bubble - Foil) (07 21 53)		
07 21 53 00-0002	SF	3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space.....	1.25	

07 22 Roof and Deck Insulation (07 20)



Thermal And Moisture Protection			07
Thermal Protection			07 20
Roof and Deck Insulation			07 22

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

07 22 16

Roof Board Insulation (07 22)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 22 16 00-0001	Rigid Board Roofing Insulation (07 22 16) Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0002	Cold Adhesive Applied Rigid Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0003	Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0004	SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	2.21	
07 22 16 00-0005	SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	2.49	
07 22 16 00-0006	SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	2.76	
07 22 16 00-0007	SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	3.26	
07 22 16 00-0008	SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	3.76	
07 22 16 00-0009	Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0010	SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	2.62	
07 22 16 00-0011	SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	2.68	
07 22 16 00-0012	Cold Adhesive Applied, Perlite, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0013	SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.11	
07 22 16 00-0014	SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.11	
07 22 16 00-0015	SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.27	
07 22 16 00-0016	SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.44	
07 22 16 00-0017	SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.89	
07 22 16 00-0018	SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	3.16	
07 22 16 00-0019	Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0020	SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied.....	2.68	
07 22 16 00-0021	SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied.....	3.38	
07 22 16 00-0022	SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied.....	4.21	
07 22 16 00-0023	Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0024	SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied.....	4.42	
07 22 16 00-0025	SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied.....	5.09	
07 22 16 00-0026	SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied.....	6.44	
07 22 16 00-0027	SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied.....	12.18	
07 22 16 00-0028	Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0029	SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied..... <i>For Loose-Laid, Deduct</i>	2.26 -1.23	
07 22 16 00-0030	SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied..... <i>For Loose-Laid, Deduct</i>	2.14 -1.23	
07 22 16 00-0031	SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied..... <i>For Loose-Laid, Deduct</i>	2.31 -1.23	
07 22 16 00-0032	SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied..... <i>For Loose-Laid, Deduct</i>	2.47 -1.24	
07 22 16 00-0033	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied..... <i>For Loose-Laid, Deduct</i>	3.14 -1.25	
07 22 16 00-0034	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied..... <i>For Loose-Laid, Deduct</i>	3.79 -1.26	
07 22 16 00-0035	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied..... <i>For Loose-Laid, Deduct</i>	4.46 -1.28	
07 22 16 00-0036	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied..... <i>For Loose-Laid, Deduct</i>	5.12 -1.29	
07 22 16 00-0037	SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied..... <i>For Loose-Laid, Deduct</i>	5.79 -1.31	
07 22 16 00-0038	Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0002) Note: 15 PSI compressive strength.		
07 22 16 00-0039	SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied..... <i>For Loose-Laid, Deduct</i> <i>For 25 PSI Compressive Strength, Add</i> <i>For 40 PSI Compressive Strength, Add</i> <i>For 60 PSI Compressive Strength, Add</i> <i>For 115 PSI Compressive Strength, Add</i>	3.10 -1.19 0.32 0.77 1.23 5.30	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0040	SF		1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	2.62	
			<i>For Loose-Laid, Deduct</i>	-1.19	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
			<i>For 40 PSI Compressive Strength, Add</i>	0.59	
			<i>For 60 PSI Compressive Strength, Add</i>	0.95	
			<i>For 115 PSI Compressive Strength, Add</i>	4.07	
07 22 16 00-0041	SF		1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.01	
			<i>For Loose-Laid, Deduct</i>	-1.19	
			<i>For 25 PSI Compressive Strength, Add</i>	0.47	
			<i>For 40 PSI Compressive Strength, Add</i>	1.11	
			<i>For 60 PSI Compressive Strength, Add</i>	1.75	
			<i>For 100 PSI Compressive Strength, Add</i>	2.25	
			<i>For 115 PSI Compressive Strength, Add</i>	7.64	
07 22 16 00-0042	SF		2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.51	
			<i>For Loose-Laid, Deduct</i>	-1.21	
			<i>For 25 PSI Compressive Strength, Add</i>	0.38	
			<i>For 40 PSI Compressive Strength, Add</i>	0.91	
			<i>For 60 PSI Compressive Strength, Add</i>	1.45	
			<i>For 115 PSI Compressive Strength, Add</i>	6.28	
07 22 16 00-0043	SF		2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.55	
			<i>For Loose-Laid, Deduct</i>	-1.21	
			<i>For 25 PSI Compressive Strength, Add</i>	0.71	
			<i>For 40 PSI Compressive Strength, Add</i>	1.69	
			<i>For 60 PSI Compressive Strength, Add</i>	2.63	
			<i>For 100 PSI Compressive Strength, Add</i>	3.39	
			<i>For 115 PSI Compressive Strength, Add</i>	11.52	
07 22 16 00-0044	SF		3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.41	
			<i>For Loose-Laid, Deduct</i>	-1.22	
			<i>For 25 PSI Compressive Strength, Add</i>	0.52	
			<i>For 40 PSI Compressive Strength, Add</i>	1.24	
			<i>For 60 PSI Compressive Strength, Add</i>	1.95	
			<i>For 115 PSI Compressive Strength, Add</i>	8.52	
07 22 16 00-0045	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.87	
			<i>For Loose-Laid, Deduct</i>	-1.23	
			<i>For 25 PSI Compressive Strength, Add</i>	0.59	
			<i>For 40 PSI Compressive Strength, Add</i>	1.41	
			<i>For 60 PSI Compressive Strength, Add</i>	2.21	
			<i>For 115 PSI Compressive Strength, Add</i>	9.65	
07 22 16 00-0046			Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0002)		
07 22 16 00-0047	SF		3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.78	
			<i>For Loose-Laid, Deduct</i>	-1.19	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.17	
07 22 16 00-0048	SF		1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.88	
			<i>For Loose-Laid, Deduct</i>	-1.19	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.18	
07 22 16 00-0049	SF		1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.05	
			<i>For Loose-Laid, Deduct</i>	-1.20	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.20	
07 22 16 00-0050	SF		2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.49	
			<i>For Loose-Laid, Deduct</i>	-1.21	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.24	
07 22 16 00-0051	SF		2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.92	
			<i>For Loose-Laid, Deduct</i>	-1.21	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.28	
07 22 16 00-0052	SF		3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.37	
			<i>For Loose-Laid, Deduct</i>	-1.22	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
07 22 16 00-0053	SF		3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.85	
			<i>For Loose-Laid, Deduct</i>	-1.23	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.37	
07 22 16 00-0054	SF		4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.27	
			<i>For Loose-Laid, Deduct</i>	-1.23	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.41	
07 22 16 00-0055			Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0002)		
07 22 16 00-0056	SF		1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	3.14	
07 22 16 00-0057			Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0002)		
07 22 16 00-0058	SF		1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	2.97	
07 22 16 00-0059	SF		3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0060 SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.28	
07 22 16 00-0061 SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.34	
07 22 16 00-0062 Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) <small>(07 22 16 00-0002)</small>		
07 22 16 00-0063 SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	2.91	
07 22 16 00-0064 SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	3.18	
07 22 16 00-0065 SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	3.25	
07 22 16 00-0066 Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation <small>(07 22 16 00-0002)</small>		
<small>Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.</small>		
07 22 16 00-0067 SF 1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.06	
07 22 16 00-0068 SF 2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.31	
07 22 16 00-0069 SF 2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.65	
07 22 16 00-0070 SF 3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.87	
07 22 16 00-0071 SF 3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.38	
07 22 16 00-0072 SF 4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.60	
07 22 16 00-0073 SF 4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.93	
07 22 16 00-0074 Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation <small>(07 22 16 00-0002)</small>		
<small>Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.</small>		
07 22 16 00-0075 SF 2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.11	
07 22 16 00-0076 SF 3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.55	
07 22 16 00-0077 SF 3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.09	
07 22 16 00-0078 SF 4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.44	
07 22 16 00-0079 SF 4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.89	
07 22 16 00-0080 SF 5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.37	
07 22 16 00-0081 SF 5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.24	
07 22 16 00-0082 Hot-Mopped Rigid Board Roofing Insulation <small>(07 22 16 00-0001)</small>		
07 22 16 00-0083 Hot-Mopped, High-Density Fiberboard, Roof Board Insulation <small>(07 22 16 00-0082)</small>		
07 22 16 00-0084 SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	1.96	
07 22 16 00-0085 SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.24	
07 22 16 00-0086 SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.52	
07 22 16 00-0087 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	3.03	
07 22 16 00-0088 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	3.55	
07 22 16 00-0089 Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation <small>(07 22 16 00-0082)</small>		
07 22 16 00-0090 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.38	
07 22 16 00-0091 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped.....	2.44	
07 22 16 00-0092 Hot-Mopped, Perlite, Roof Board Insulation <small>(07 22 16 00-0082)</small>		
07 22 16 00-0093 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	1.85	
07 22 16 00-0094 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	1.99	
07 22 16 00-0095 SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	2.17	
07 22 16 00-0096 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	2.61	
07 22 16 00-0097 SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	2.90	
07 22 16 00-0098 Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation <small>(07 22 16 00-0082)</small>		
07 22 16 00-0099 SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	2.41	
07 22 16 00-0100 SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	3.11	
07 22 16 00-0101 SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	3.95	
07 22 16 00-0102 Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation <small>(07 22 16 00-0082)</small>		
07 22 16 00-0103 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	4.14	
07 22 16 00-0104 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	4.82	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0105 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	6.18	
07 22 16 00-0106 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	11.93	
07 22 16 00-0107 Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0108 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	2.01	
07 22 16 00-0109 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.88	
07 22 16 00-0110 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.93	
07 22 16 00-0111 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	2.20	
07 22 16 00-0112 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	2.87	
07 22 16 00-0113 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	3.55	
07 22 16 00-0114 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	4.20	
07 22 16 00-0115 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	4.87	
07 22 16 00-0116 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	5.54	
07 22 16 00-0117 Hot-Mopped, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0082)		
Note: 15 PSI compressive strength.		
07 22 16 00-0118 SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	2.82	
For 25 PSI Compressive Strength, Add	0.26	
For 40 PSI Compressive Strength, Add	0.62	
For 60 PSI Compressive Strength, Add	1.01	
For 115 PSI Compressive Strength, Add	4.33	
07 22 16 00-0119 SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	2.35	
For 25 PSI Compressive Strength, Add	0.19	
For 40 PSI Compressive Strength, Add	0.44	
For 60 PSI Compressive Strength, Add	0.73	
For 115 PSI Compressive Strength, Add	3.10	
07 22 16 00-0120 SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.75	
For 25 PSI Compressive Strength, Add	0.41	
For 40 PSI Compressive Strength, Add	0.97	
For 60 PSI Compressive Strength, Add	1.54	
For 100 PSI Compressive Strength, Add	1.98	
For 115 PSI Compressive Strength, Add	6.70	
07 22 16 00-0121 SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	3.37	
For 25 PSI Compressive Strength, Add	0.32	
For 40 PSI Compressive Strength, Add	0.77	
For 60 PSI Compressive Strength, Add	1.24	
For 115 PSI Compressive Strength, Add	5.33	
07 22 16 00-0122 SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	16.27	
For 25 PSI Compressive Strength, Add	0.65	
For 40 PSI Compressive Strength, Add	1.54	
For 60 PSI Compressive Strength, Add	2.97	
For 100 PSI Compressive Strength, Add	3.66	
For 115 PSI Compressive Strength, Add	11.66	
07 22 16 00-0123 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	4.15	
For 25 PSI Compressive Strength, Add	0.46	
For 40 PSI Compressive Strength, Add	1.10	
For 60 PSI Compressive Strength, Add	1.74	
For 115 PSI Compressive Strength, Add	7.55	
07 22 16 00-0124 SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	4.62	
For 25 PSI Compressive Strength, Add	0.53	
For 40 PSI Compressive Strength, Add	1.27	
For 60 PSI Compressive Strength, Add	2.00	
For 115 PSI Compressive Strength, Add	8.69	
07 22 16 00-0125 Hot-Mopped, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0082)		
07 22 16 00-0126 SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.50	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.13	
07 22 16 00-0127 SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.61	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.14	
07 22 16 00-0128 SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.77	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.16	
07 22 16 00-0129 SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.22	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.20	
07 22 16 00-0130 SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.68	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.24	
07 22 16 00-0131 SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.11	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.29	
07 22 16 00-0132 SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.47	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.33	
07 22 16 00-0133 SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.02	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0134 Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) <small>(07 22 16 00-0082)</small>		
07 22 16 00-0135 SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.73	
07 22 16 00-0136 SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.91	
07 22 16 00-0137 SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	3.03	
07 22 16 00-0138 SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	3.09	
07 22 16 00-0139 Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) <small>(07 22 16 00-0082)</small>		
07 22 16 00-0140 SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	2.66	
07 22 16 00-0141 SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	2.94	
07 22 16 00-0142 SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	3.00	
07 22 16 00-0143 Mechanically Fastened Rigid Board Roofing Insulation <small>(07 22 16 00-0001)</small>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0144 Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation <small>(07 22 16 00-0143)</small>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0145 SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	1.87	
<i>For Mechanically Fastened To Concrete, Add</i>		1.51
<i>For Mechanically Fastened To Gypsum, Add</i>		1.86
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>		0.56
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>		2.23
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>		2.19
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>		0.83
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>		3.16
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>		3.28
07 22 16 00-0146 SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.15	
<i>For Mechanically Fastened To Concrete, Add</i>		1.51
<i>For Mechanically Fastened To Gypsum, Add</i>		1.86
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>		0.56
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>		2.26
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>		2.19
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>		0.83
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>		3.19
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>		3.28
07 22 16 00-0147 SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.42	
<i>For Mechanically Fastened To Concrete, Add</i>		1.51
<i>For Mechanically Fastened To Gypsum, Add</i>		1.86
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>		0.56
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>		2.26
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>		2.19
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>		0.83
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>		3.21
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>		3.28
07 22 16 00-0148 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.98	
<i>For Mechanically Fastened To Concrete, Add</i>		1.56
<i>For Mechanically Fastened To Gypsum, Add</i>		1.86
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>		0.69
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>		1.95
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>		2.19
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>		1.03
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>		2.92
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>		3.28
07 22 16 00-0149 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	3.47	
<i>For Mechanically Fastened To Concrete, Add</i>		1.56
<i>For Mechanically Fastened To Gypsum, Add</i>		1.82
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>		0.69
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>		1.95
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>		2.21
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>		1.03
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>		2.92
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>		3.31
07 22 16 00-0150 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation <small>(07 22 16 00-0143)</small>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0151 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	2.28	
<i>For Mechanically Fastened To Concrete, Add</i>		1.51
<i>For Mechanically Fastened To Gypsum, Add</i>		1.86
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>		0.56
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>		2.28
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>		2.19
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>		0.83
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>		3.21
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>		3.28

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0152 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	2.34	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Gypsum, Add	1.86	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.56	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.28	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.83	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.21	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0154 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.77	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Gypsum, Add	1.86	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.56	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.18	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.83	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.11	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 22 16 00-0155 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.93	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Gypsum, Add	1.86	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.56	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.83	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.12	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 22 16 00-0156 SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.10	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Gypsum, Add	1.86	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.56	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.83	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.12	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 22 16 00-0157 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	2.60	
For Mechanically Fastened To Concrete, Add	1.56	
For Mechanically Fastened To Gypsum, Add	1.86	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.69	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.95	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.03	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.92	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 22 16 00-0158 SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.88	
For Mechanically Fastened To Concrete, Add	1.56	
For Mechanically Fastened To Gypsum, Add	1.82	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.69	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.95	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.21	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.03	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.92	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.31	
07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0160 SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	2.34	
For Mechanically Fastened To Concrete, Add	1.51	
For Mechanically Fastened To Gypsum, Add	1.86	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.56	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.19	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.83	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.12	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 22 16 00-0161 SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	3.10	
For Mechanically Fastened To Concrete, Add	1.56	
For Mechanically Fastened To Gypsum, Add	1.82	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.69	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.95	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.21	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.03	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.92	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0162 SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	3.99	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.88	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.43	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.38	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.46	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	
07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0164 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	4.14	
<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0165 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	4.81	
<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.82	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 22 16 00-0166 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	6.22	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.88	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.43	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.38	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.46	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	
07 22 16 00-0167 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	12.06	
<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.79	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.99	
07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0169 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.92	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.21	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.14	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0170 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.80	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.21	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.14	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0171 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.96	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.21	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.14	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0172	SF	1"	Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.22	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.15	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0173	SF	2"	Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.86	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.82	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 22 16 00-0174	SF	3"	Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	3.57	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.88	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.45	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.38	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.48	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	
07 22 16 00-0175	SF	4"	Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	4.34	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.45	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.69	
07 22 16 00-0176	SF	5"	Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	5.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.89	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.98	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.28	
07 22 16 00-0177	SF	6"	Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	6.45	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.62	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.18	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.44	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.37	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.55	
07 22 16 00-0178			Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation <small>(07 22 16 00-0143)</small>		
			Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 22 16 00-0179	SF	3/4"	Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.76	
			<i>For 25 PSI Compressive Strength, Add</i>	0.27	
			<i>For 40 PSI Compressive Strength, Add</i>	0.64	
			<i>For 60 PSI Compressive Strength, Add</i>	1.03	
			<i>For 115 PSI Compressive Strength, Add</i>	4.43	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.12	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0180	SF	1"	Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.28	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
			<i>For 40 PSI Compressive Strength, Add</i>	0.46	
			<i>For 60 PSI Compressive Strength, Add</i>	0.75	
			<i>For 115 PSI Compressive Strength, Add</i>	3.19	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.12	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0181 SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.73	
<i>For 25 PSI Compressive Strength, Add</i>	0.42	
<i>For 40 PSI Compressive Strength, Add</i>	1.01	
<i>For 60 PSI Compressive Strength, Add</i>	1.59	
<i>For 100 PSI Compressive Strength, Add</i>	2.04	
<i>For 115 PSI Compressive Strength, Add</i>	6.92	
<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0182 SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.23	
<i>For 25 PSI Compressive Strength, Add</i>	0.34	
<i>For 40 PSI Compressive Strength, Add</i>	0.81	
<i>For 60 PSI Compressive Strength, Add</i>	1.29	
<i>For 115 PSI Compressive Strength, Add</i>	5.56	
<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.82	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 22 16 00-0183 SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	5.33	
<i>For 25 PSI Compressive Strength, Add</i>	0.68	
<i>For 40 PSI Compressive Strength, Add</i>	1.60	
<i>For 60 PSI Compressive Strength, Add</i>	2.50	
<i>For 100 PSI Compressive Strength, Add</i>	3.22	
<i>For 115 PSI Compressive Strength, Add</i>	10.96	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.85	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.42	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.45	
07 22 16 00-0184 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.19	
<i>For 25 PSI Compressive Strength, Add</i>	0.49	
<i>For 40 PSI Compressive Strength, Add</i>	1.16	
<i>For 60 PSI Compressive Strength, Add</i>	1.83	
<i>For 115 PSI Compressive Strength, Add</i>	7.95	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.88	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.43	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.38	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.46	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	
07 22 16 00-0185 SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.75	
<i>For 25 PSI Compressive Strength, Add</i>	0.57	
<i>For 40 PSI Compressive Strength, Add</i>	1.36	
<i>For 60 PSI Compressive Strength, Add</i>	2.14	
<i>For 115 PSI Compressive Strength, Add</i>	9.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.45	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.69	
07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0187 SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.44	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.12	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0188	SF		1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.54	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.15	
			For Mechanically Fastened To Concrete, Add	1.51	
			For Mechanically Fastened To Gypsum, Add	1.86	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.56	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.19	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.19	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.83	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.12	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 22 16 00-0189	SF		1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.77	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.17	
			For Mechanically Fastened To Concrete, Add	1.56	
			For Mechanically Fastened To Gypsum, Add	1.86	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.69	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.95	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.19	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.03	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.92	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.28	
07 22 16 00-0190	SF		2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.20	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.21	
			For Mechanically Fastened To Concrete, Add	1.56	
			For Mechanically Fastened To Gypsum, Add	1.82	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.69	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.95	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.21	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.03	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.92	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.31	
07 22 16 00-0191	SF		2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.70	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.26	
			For Mechanically Fastened To Concrete, Add	1.60	
			For Mechanically Fastened To Gypsum, Add	1.85	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.42	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.30	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.18	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.45	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.45	
07 22 16 00-0192	SF		3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.15	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.30	
			For Mechanically Fastened To Concrete, Add	1.60	
			For Mechanically Fastened To Gypsum, Add	1.88	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.43	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.38	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.18	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.46	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.51	
07 22 16 00-0193	SF		3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.73	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.36	
			For Mechanically Fastened To Concrete, Add	1.65	
			For Mechanically Fastened To Gypsum, Add	1.86	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.92	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.79	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.30	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.99	
07 22 16 00-0194	SF		4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.14	
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.40	
			For Mechanically Fastened To Concrete, Add	1.65	
			For Mechanically Fastened To Gypsum, Add	1.91	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.92	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.38	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.30	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.69	

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0196 SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	2.80	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.23	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) <small>(07 22 16 00-0143)</small>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0198 SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.63	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.23	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0199 SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.81	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.23	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0200 SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.93	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.23	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0201 SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.00	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.23	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock) <small>(07 22 16 00-0143)</small>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0203 SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	2.57	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.23	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0204 SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	2.84	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.23	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0205 SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	2.90	
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.23	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0206	Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation <small>(07 22 16 00-0143)</small>	
	Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.	
07 22 16 00-0207	SF 1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.77
	<i>For Mechanically Fastened To Concrete, Add</i>	1.56
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.86
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.21
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.31
07 22 16 00-0208	SF 2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.02
	<i>For Mechanically Fastened To Concrete, Add</i>	1.56
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.82
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.21
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.31
07 22 16 00-0209	SF 2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.43
	<i>For Mechanically Fastened To Concrete, Add</i>	1.60
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.85
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.59
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.30
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.62
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.45
07 22 16 00-0210	SF 3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.65
	<i>For Mechanically Fastened To Concrete, Add</i>	1.60
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.88
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.38
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.63
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.51
07 22 16 00-0211	SF 3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.26
	<i>For Mechanically Fastened To Concrete, Add</i>	1.65
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.86
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.97
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.17
07 22 16 00-0212	SF 4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.48
	<i>For Mechanically Fastened To Concrete, Add</i>	1.65
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.91
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.45
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.69
07 22 16 00-0213	SF 4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.94
	<i>For Mechanically Fastened To Concrete, Add</i>	1.69
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.89
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.17
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.47

07 22 16 00-0214 **Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With
Air Vent Spacer Strips, Nailbase Roof Board Insulation** (07 22 16 00-0143)

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0215 SF 2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.88	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.85	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.58	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.61	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.45	
07 22 16 00-0216 SF 3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.33	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.88	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.59	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.38	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.62	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	
07 22 16 00-0217 SF 3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.97	
<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.95	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.15	
07 22 16 00-0218 SF 4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.32	
<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.45	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.69	
07 22 16 00-0219 SF 4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.89	
<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.89	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.12	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.42	
07 22 16 00-0220 SF 5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.37	
<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.89	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.13	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.43	
07 22 16 00-0221 SF 5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	8.74	
<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.59	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.62	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.36	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.44	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.37	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.73	
07 22 16 00-0222 Rigid Board Tapered Roofing Insulation (07 22 16)		
Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)		
07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board (07 22 16 00-0223)		
Note: Includes polyurethane adhesive.		
07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0226 SF 2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	4.91	
<i>For 25 PSI Compressive Strength, Add</i>	0.33	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0227 SF 2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	6.80	
For 25 PSI Compressive Strength, Add.....	0.39	
07 22 16 00-0228 SF 3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.38	
For 25 PSI Compressive Strength, Add.....	0.45	
07 22 16 00-0229 SF 3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.96	
For 25 PSI Compressive Strength, Add.....	0.50	
07 22 16 00-0230 SF 4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.55	
For 25 PSI Compressive Strength, Add.....	0.56	
07 22 16 00-0231 SF 4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	10.45	
For 25 PSI Compressive Strength, Add.....	0.62	
07 22 16 00-0232 SF 5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	11.03	
For 25 PSI Compressive Strength, Add.....	0.68	
07 22 16 00-0233 SF 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	11.62	
For 25 PSI Compressive Strength, Add.....	0.74	
07 22 16 00-0234 SF 6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	12.20	
For 25 PSI Compressive Strength, Add.....	0.80	
07 22 16 00-0235 SF 6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	14.08	
For 25 PSI Compressive Strength, Add.....	0.86	
07 22 16 00-0236 Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0224)</small>		
07 22 16 00-0237 SF 2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	4.61	
For 25 PSI Compressive Strength, Add.....	0.30	
07 22 16 00-0238 SF 3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.09	
For 25 PSI Compressive Strength, Add.....	0.42	
07 22 16 00-0239 SF 4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.25	
For 25 PSI Compressive Strength, Add.....	0.53	
07 22 16 00-0240 SF 5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	10.74	
For 25 PSI Compressive Strength, Add.....	0.65	
07 22 16 00-0241 SF 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	11.91	
For 25 PSI Compressive Strength, Add.....	0.77	
07 22 16 00-0242 SF 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	14.37	
For 25 PSI Compressive Strength, Add.....	0.88	
07 22 16 00-0243 Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0224)</small>		
07 22 16 00-0244 SF 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.67	
For 25 PSI Compressive Strength, Add.....	0.47	
07 22 16 00-0245 SF 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	11.33	
For 25 PSI Compressive Strength, Add.....	0.71	
07 22 16 00-0246 SF 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	14.96	
For 25 PSI Compressive Strength, Add.....	0.94	
07 22 16 00-0247 SF 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	18.61	
For 25 PSI Compressive Strength, Add.....	1.18	
07 22 16 00-0248 Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0223)</small>		
Note: Includes polyurethane adhesive.		
07 22 16 00-0249 Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0248)</small>		
07 22 16 00-0250 SF 2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.25	
07 22 16 00-0251 SF 2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.16	
07 22 16 00-0252 SF 3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.59	
07 22 16 00-0253 SF 3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.03	
07 22 16 00-0254 SF 4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.46	
07 22 16 00-0255 SF 4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0256 SF 5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.81	
07 22 16 00-0257 SF 5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.25	
07 22 16 00-0258 SF 6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.68	
07 22 16 00-0259 SF 6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	12.58	
07 22 16 00-0260 Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0248)		
07 22 16 00-0261 SF 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.03	
07 22 16 00-0262 SF 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.37	
07 22 16 00-0263 SF 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.25	
07 22 16 00-0264 SF 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.59	
07 22 16 00-0265 SF 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.47	
07 22 16 00-0266 SF 7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	12.80	
07 22 16 00-0267 Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0248)		
07 22 16 00-0268 SF 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.81	
07 22 16 00-0269 SF 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.03	
07 22 16 00-0270 SF 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	13.23	
07 22 16 00-0271 SF 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	16.89	
07 22 16 00-0272 Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0223)		
Note: Includes polyurethane adhesive.		
07 22 16 00-0273 Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)		
07 22 16 00-0274 SF 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.77	
07 22 16 00-0275 SF 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.67	
07 22 16 00-0276 SF 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.23	
07 22 16 00-0277 SF 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.78	
07 22 16 00-0278 SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.33	
07 22 16 00-0279 SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.24	
07 22 16 00-0280 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.79	
07 22 16 00-0281 SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.34	
07 22 16 00-0282 SF 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.89	
07 22 16 00-0283 SF 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	13.78	
07 22 16 00-0284 Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)		
07 22 16 00-0285 SF 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.50	
07 22 16 00-0286 SF 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.95	
07 22 16 00-0287 SF 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.05	
07 22 16 00-0288 SF 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.51	
07 22 16 00-0289 SF 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.62	
07 22 16 00-0290 SF 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	14.06	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0291		Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0272)</small>	
07 22 16 00-0292	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.50
		<i>For Mechanically Fastened To Concrete, Add</i>	1.60
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.88
07 22 16 00-0293	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.07
07 22 16 00-0294	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	14.61
07 22 16 00-0295	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	18.18
07 22 16 00-0296		Cold Adhesive Applied, Tapered Perlite Board <small>(07 22 16 00-0223)</small>	
		Note: Includes polyurethane adhesive.	
07 22 16 00-0297		Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small>	
07 22 16 00-0298	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	5.67
07 22 16 00-0299	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	6.84
07 22 16 00-0300	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	7.67
07 22 16 00-0301	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	8.16
07 22 16 00-0302	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	8.98
07 22 16 00-0303	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	10.15
07 22 16 00-0304	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	10.97
07 22 16 00-0305	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	11.46
07 22 16 00-0306	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	12.29
07 22 16 00-0307	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	13.46
07 22 16 00-0308		Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small>	
07 22 16 00-0309	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	5.25
07 22 16 00-0310	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	7.26
07 22 16 00-0311	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	8.57
07 22 16 00-0312	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	10.56
07 22 16 00-0313	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	11.88
07 22 16 00-0314	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	13.87
07 22 16 00-0315		Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small>	
07 22 16 00-0316	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	8.08
07 22 16 00-0317	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	11.39
07 22 16 00-0318	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	14.69
07 22 16 00-0319	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	18.00
07 22 16 00-0320		Hot-Mopped Rigid Board Tapered Roofing Insulation <small>(07 22 16 00-0222)</small>	
07 22 16 00-0321		Hot-Mopped, Tapered Polyisocyanurate Board <small>(07 22 16 00-0320)</small>	
07 22 16 00-0322		Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0321)</small>	
07 22 16 00-0323	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	4.53
		<i>For 25 PSI Compressive Strength, Add</i>	0.29
07 22 16 00-0324	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.39
		<i>For 25 PSI Compressive Strength, Add</i>	0.32
07 22 16 00-0325	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.98
		<i>For 25 PSI Compressive Strength, Add</i>	0.38
07 22 16 00-0326	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.26
		<i>For 25 PSI Compressive Strength, Add</i>	0.43
07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	8.14
		<i>For 25 PSI Compressive Strength, Add</i>	0.49
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	9.84
		<i>For 25 PSI Compressive Strength, Add</i>	0.52
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.43
		<i>For 25 PSI Compressive Strength, Add</i>	0.58
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	11.01
		<i>For 25 PSI Compressive Strength, Add</i>	0.64
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	11.59
		<i>For 25 PSI Compressive Strength, Add</i>	0.69
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	13.27
		<i>For 25 PSI Compressive Strength, Add</i>	0.72
07 22 16 00-0333		Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0321)</small>	
07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	4.41
		<i>For 25 PSI Compressive Strength, Add</i>	0.26
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.68
		<i>For 25 PSI Compressive Strength, Add</i>	0.35
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.85
		<i>For 25 PSI Compressive Strength, Add</i>	0.46
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.14
		<i>For 25 PSI Compressive Strength, Add</i>	0.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0338 SF 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	11.30	
<i>For 25 PSI Compressive Strength, Add</i>	0.66	
07 22 16 00-0339 SF 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	13.57	
<i>For 25 PSI Compressive Strength, Add</i>	0.75	
07 22 16 00-0340 Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)		
07 22 16 00-0341 SF 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.27	
<i>For 25 PSI Compressive Strength, Add</i>	0.40	
07 22 16 00-0342 SF 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	10.72	
<i>For 25 PSI Compressive Strength, Add</i>	0.61	
07 22 16 00-0343 SF 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	14.15	
<i>For 25 PSI Compressive Strength, Add</i>	0.81	
07 22 16 00-0344 SF 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	17.60	
<i>For 25 PSI Compressive Strength, Add</i>	1.01	
07 22 16 00-0345 Hot-Mopped, Tapered Perlite Board (07 22 16 00-0320)		
07 22 16 00-0346 Hot-Mopped, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0345)		
07 22 16 00-0347 SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	4.84	
07 22 16 00-0348 SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.44	
07 22 16 00-0349 SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	7.26	
07 22 16 00-0350 SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	7.13	
07 22 16 00-0351 SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	7.95	
07 22 16 00-0352 SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.54	
07 22 16 00-0353 SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	10.37	
07 22 16 00-0354 SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	10.23	
07 22 16 00-0355 SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	11.06	
07 22 16 00-0356 SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	12.65	
07 22 16 00-0357 Hot-Mopped, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0345)		
07 22 16 00-0358 SF 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	4.42	
07 22 16 00-0359 SF 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	6.85	
07 22 16 00-0360 SF 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	7.54	
07 22 16 00-0361 SF 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	9.95	
07 22 16 00-0362 SF 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	10.65	
07 22 16 00-0363 SF 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	13.06	
07 22 16 00-0364 Hot-Mopped, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0345)		
07 22 16 00-0365 SF 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	7.67	
07 22 16 00-0366 SF 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	10.78	
07 22 16 00-0367 SF 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	16.86	
07 22 16 00-0368 SF 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	16.99	
07 22 16 00-0369 Mechanically Fastened Tapered Roofing Insulation (07 22 16 00-0222)		
Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
07 22 16 00-0370 Mechanically Fastened, Tapered Polyisocyanurate Board (07 22 16 00-0369)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0371 Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)		
07 22 16 00-0372 SF 2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.62	
<i>For 25 PSI Compressive Strength, Add</i>	0.30	
<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.80	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0373 SF 2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.96	
<i>For 25 PSI Compressive Strength, Add</i>	0.30	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.85	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.45	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0374	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.54	
			<i>For 25 PSI Compressive Strength, Add</i>	0.36	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.88	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.33	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	
07 22 16 00-0375	SF		4.25" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.22	
			<i>For 25 PSI Compressive Strength, Add</i>	0.43	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.41	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0376	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.80	
			<i>For 25 PSI Compressive Strength, Add</i>	0.49	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.45	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.69	
07 22 16 00-0377	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	9.21	
			<i>For 25 PSI Compressive Strength, Add</i>	0.50	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.89	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	
07 22 16 00-0378	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	9.79	
			<i>For 25 PSI Compressive Strength, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.89	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	
07 22 16 00-0379	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.87	
			<i>For 25 PSI Compressive Strength, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.62	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.44	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.12	
07 22 16 00-0380	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.45	
			<i>For 25 PSI Compressive Strength, Add</i>	0.72	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.62	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.44	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0381 SF 6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	12.59	
<i>For 25 PSI Compressive Strength, Add</i>	0.71	
<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.95	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.50	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.25	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.18	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	
07 22 16 00-0382 Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)		
07 22 16 00-0383 SF 2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.33	
<i>For 25 PSI Compressive Strength, Add</i>	0.27	
<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.80	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0384 SF 3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.25	
<i>For 25 PSI Compressive Strength, Add</i>	0.33	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.85	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.45	
07 22 16 00-0385 SF 4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.51	
<i>For 25 PSI Compressive Strength, Add</i>	0.46	
<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.41	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0386 SF 5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	9.50	
<i>For 25 PSI Compressive Strength, Add</i>	0.53	
<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.89	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	
07 22 16 00-0387 SF 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.16	
<i>For 25 PSI Compressive Strength, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.59	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.62	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.75	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.44	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.37	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.12	
07 22 16 00-0388 SF 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	12.88	
<i>For 25 PSI Compressive Strength, Add</i>	0.74	
<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.95	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.50	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.25	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.18	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	
07 22 16 00-0389 Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0390	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.83
		<i>For 25 PSI Compressive Strength, Add</i>	0.39
		<i>For Mechanically Fastened To Concrete, Add</i>	1.60
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.88
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.33
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.51
07 22 16 00-0391	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	9.83
		<i>For 25 PSI Compressive Strength, Add</i>	0.56
		<i>For Mechanically Fastened To Concrete, Add</i>	1.69
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.89
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.86
07 22 16 00-0392	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	13.47
		<i>For 25 PSI Compressive Strength, Add</i>	0.79
		<i>For Mechanically Fastened To Concrete, Add</i>	1.74
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.95
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.50
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.79
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.25
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.18
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50
07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	17.02
		<i>For 25 PSI Compressive Strength, Add</i>	1.02
		<i>For Mechanically Fastened To Concrete, Add</i>	2.17
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.74
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.09
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.60
07 22 16 00-0394		Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0369)</small>	
		Note: Mechanically fastened to wood or steel.	
07 22 16 00-0395		Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0394)</small>	
07 22 16 00-0396	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.97
		<i>For Mechanically Fastened To Concrete, Add</i>	1.56
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.80
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.19
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.28
07 22 16 00-0397	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.31
		<i>For Mechanically Fastened To Concrete, Add</i>	1.60
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.85
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.45
07 22 16 00-0398	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.75
		<i>For Mechanically Fastened To Concrete, Add</i>	1.60
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.88
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.33
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0399 SF 3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.29	
<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.41	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0400 SF 4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.72	
<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.45	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.69	
07 22 16 00-0401 SF 4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.13	
<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.89	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	
07 22 16 00-0402 SF 5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.57	
<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.89	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	
07 22 16 00-0403 SF 5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.51	
<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.59	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.62	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.75	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.44	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.37	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.12	
07 22 16 00-0404 SF 6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.94	
<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.59	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.62	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.75	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.44	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.37	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.12	
07 22 16 00-0405 SF 6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.09	
<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.95	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.50	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.25	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.18	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	
07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0394)</small>		
07 22 16 00-0407 SF 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	3.75	
<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.80	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0408	SF		3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.53	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.85	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.45	
07 22 16 00-0409	SF		4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.50	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.41	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0410	SF		5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.35	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.89	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	
07 22 16 00-0411	SF		6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.72	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.62	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.44	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.12	
07 22 16 00-0412	SF		7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	11.31	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.95	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.50	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.25	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.18	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	
07 22 16 00-0413			Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0394)</small>		
07 22 16 00-0414	SF		3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.97	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.88	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.33	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	
07 22 16 00-0415	SF		5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.79	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.89	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	
07 22 16 00-0416	SF		7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	11.75	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.95	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.50	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.25	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.18	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0417 SF 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	15.30	
<i>For Mechanically Fastened To Concrete, Add</i>	2.17	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.05	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.74	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.60	
07 22 16 00-0418 Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0369)</small>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0419 Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0418)</small>		
07 22 16 00-0420 SF 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.49	
<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.80	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0421 SF 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.83	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.85	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.45	
07 22 16 00-0422 SF 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.67	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.88	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.33	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	
07 22 16 00-0423 SF 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.03	
<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.41	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0424 SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.59	
<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.91	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.45	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.69	
07 22 16 00-0425 SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.99	
<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.89	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	
07 22 16 00-0426 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.55	
<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.89	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

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

07 22 16 00-0427	SF		5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.60	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.62	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.44	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.12	
07 22 16 00-0428	SF		6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.15	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.62	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.44	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.12	
07 22 16 00-0429	SF		6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	12.29	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.95	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.50	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.25	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.18	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	

07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)

07 22 16 00-0431	SF		2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.22	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.80	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0432	SF		3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.85	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.45	
07 22 16 00-0433	SF		4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.31	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.41	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0434	SF		5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	9.27	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.89	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	
07 22 16 00-0435	SF		6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.88	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.62	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.44	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.37	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0436 SF 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	12.57	
<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.95	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.50	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.25	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.18	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	
07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0418)</small>		
07 22 16 00-0438 SF 3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.66	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.88	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.33	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	
07 22 16 00-0439 SF 5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.82	
<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.89	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	
07 22 16 00-0440 SF 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	13.12	
<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.95	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.50	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.25	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.18	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	
07 22 16 00-0441 SF 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	16.42	
<i>For Mechanically Fastened To Concrete, Add</i>	2.17	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.05	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.74	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.09	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.60	
07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board <small>(07 22 16 00-0369)</small>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board <small>(07 22 16 00-0442)</small>		
07 22 16 00-0444 SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	4.76	
<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.80	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0445 SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	6.00	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.85	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.45	
07 22 16 00-0446 SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	6.82	
<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.88	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.33	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.51	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

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

07 22 16 00-0447	SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.79	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.86	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.41	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0448	SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	7.62	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.65	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.91	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.92	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.20	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.45	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.38	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.30	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.69	
07 22 16 00-0449	SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.91	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.89	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	
07 22 16 00-0450	SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.73	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.69	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.89	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.09	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.63	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.56	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	
07 22 16 00-0451	SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.10	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.59	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.62	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.75	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.44	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.37	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.12	
07 22 16 00-0452	SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.92	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.59	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.62	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.91	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.75	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.44	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.37	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.12	
07 22 16 00-0453	SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	11.97	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.74	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.95	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.50	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.79	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.25	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.18	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	

07 22 16 00-0454 Mechanically Fastened, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0442)

07 22 16 00-0455	SF 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	4.35	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.56	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.80	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.69	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.95	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.03	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.92	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 22 16 00-0456	SF 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.41	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.60	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.85	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.18	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0457 SF 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	7.20	
For Mechanically Fastened To Concrete, Add	1.65	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.86	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.92	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.41	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.38	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.30	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.61	
07 22 16 00-0458 SF 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.32	
For Mechanically Fastened To Concrete, Add	1.69	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.89	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.09	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.63	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.56	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.86	
07 22 16 00-0459 SF 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.51	
For Mechanically Fastened To Concrete, Add	1.74	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.59	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.62	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.91	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.75	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.44	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.37	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.12	
07 22 16 00-0460 SF 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	12.38	
For Mechanically Fastened To Concrete, Add	1.74	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.95	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.00	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.18	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.50	
07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board <small>(07 22 16 00-0442)</small>		
07 22 16 00-0462 SF 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	7.23	
For Mechanically Fastened To Concrete, Add	1.60	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.88	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.05	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.33	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.18	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.08	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.51	
07 22 16 00-0463 SF 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.14	
For Mechanically Fastened To Concrete, Add	1.69	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.89	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.09	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.36	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.56	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.63	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.56	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.86	
07 22 16 00-0464 SF 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.20	
For Mechanically Fastened To Concrete, Add	1.74	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.95	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.50	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.00	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.25	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.18	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.50	
07 22 16 00-0465 SF 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	16.41	
For Mechanically Fastened To Concrete, Add	2.17	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.05	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.74	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.00	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.09	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.60	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.50	
07 22 16 00-0466 Demolish Rigid Board Roofing Insulation <small>(07 22 16)</small>		
Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 22 16 00-0467 SF Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.60	
07 22 16 00-0468 SF Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation.....	0.62	
07 22 16 00-0469 SF Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.64	
07 22 16 00-0470 SF Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.66	
07 22 16 00-0471 SF Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.68	
07 22 16 00-0472 SF Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.69	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation.....	0.71	
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation.....	0.72	
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation.....	0.74	
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation.....	0.76	
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation.....	0.78	
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation.....	0.80	
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation.....	0.81	

07 25 Weather Barriers (07)**07 26 Vapor Retarders** (07 25)**07 26 13 Above-Grade Vapor Retarders** (07 26)

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	32.44	
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex).....	30.26	
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute).....	37.24	
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute).....	47.48	
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing.....	28.01	
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	94.49	
07 26 13 00-0007	CLF	4" Wide Self Adhering Butyl Sealing Tape.....	140.62	
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape.....	201.20	
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape.....	277.29	
07 26 13 00-0010	CSF	Building Wrap (Tyvek).....	82.33	

07 27 Air Barriers (07 25)**07 27 23 Board Product Air Barriers** (07 27)**07 27 23 00-0001 Barriers For Plenums** (07 27 23)

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF.....	13.26	3.63
		<i>For Up To 50, Add</i>	4.84	
		<i>For >50 To 200, Add</i>	2.75	
		<i>For >200 To 500, Add</i>	1.02	
		<i>For >2,500, Deduct</i>	-0.66	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF.....	14.35	3.63
		<i>For Up To 50, Add</i>	5.28	
		<i>For >50 To 200, Add</i>	3.00	
		<i>For >200 To 500, Add</i>	1.11	
		<i>For >2,500, Deduct</i>	-0.72	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	5.09	2.42
		<i>For Up To 50, Add</i>	2.53	
		<i>For >50 To 200, Add</i>	1.39	
		<i>For >200 To 500, Add</i>	0.48	
		<i>For >2,500, Deduct</i>	-0.25	
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....	9.26	3.63
		<i>For Up To 50, Add</i>	4.52	
		<i>For >50 To 200, Add</i>	2.49	
		<i>For >200 To 500, Add</i>	0.85	
		<i>For >2,500, Deduct</i>	-0.46	
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	6.45	2.42
		<i>For Up To 50, Add</i>	2.73	
		<i>For >50 To 200, Add</i>	1.53	
		<i>For >200 To 500, Add</i>	0.54	
		<i>For >2,500, Deduct</i>	-0.32	
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF.....	10.13	2.42
		<i>For Up To 50, Add</i>	3.14	
		<i>For >50 To 200, Add</i>	1.82	
		<i>For >200 To 500, Add</i>	0.71	
		<i>For >2,500, Deduct</i>	-0.51	

07 40 Roofing and Siding Panels (07)**07 41 Roof Panels** (07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels (07 41)**07 41 13 00-0001 Exposed Fastener Metal Roofing** (07 41 13)

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing (07 41 13 00-0001)**07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels** (07 41 13 00-0002)

07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	9.04	3.10
		<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.38	
		<i>For Steep Roof, Over 7 To 12, Add</i>	1.59	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	8.32	3.10
		<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.38	
		<i>For Steep Roof, Over 7 To 12, Add</i>	1.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0006 SF 22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.82	3.10
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.38	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.59	
07 41 13 00-0007 SF 24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.33	3.10
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.38	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.59	
07 41 13 00-0008 SF 26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.92	3.10
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.38	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.59	
07 41 13 00-0009 SF 28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.56	3.10
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.38	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.59	
07 41 13 00-0010 SF 30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.42	3.10
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.38	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.59	
07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories <small>(07 41 13 00-0002)</small>		
See CSI section 07 41 13 00-0038 for accessories.		
07 41 13 00-0012 LF Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	29.34	3.23
<i>For Steep Roof, Over 7 To 12, Add</i>	4.18	
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.63	
07 41 13 00-0013 LF 9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing.....	18.37	2.12
<i>For Steep Roof, Over 7 To 12, Add</i>	2.79	
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.97	
07 41 13 00-0014 LF Valley Flashing For Galvanized Steel Exposed Fastener Roofing	35.74	3.23
<i>For Steep Roof, Over 7 To 12, Add</i>	4.18	
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	2.27	
07 41 13 00-0015 LF Hip Flashing For Galvanized Steel Exposed Fastener Roofing	29.92	3.23
<i>For Steep Roof, Over 7 To 12, Add</i>	4.18	
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.69	
07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing <small>(07 41 13 00-0001)</small>		
07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels <small>(07 41 13 00-0016)</small>		
07 41 13 00-0018 SF 0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	6.49	3.10
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.38	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.59	
07 41 13 00-0019 SF 0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	6.74	3.10
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.38	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.59	
07 41 13 00-0020 SF 0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	7.32	3.10
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.38	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.59	
07 41 13 00-0021 SF 0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	8.10	3.10
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.38	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.59	
07 41 13 00-0022 SF 0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	8.88	3.10
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.38	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.59	
07 41 13 00-0023 SF 0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	9.86	3.10
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.38	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.59	
07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories <small>(07 41 13 00-0016)</small>		
07 41 13 00-0025 LF Ridge Flashing For Aluminum Exposed Fastener Metal Roofing.....	33.26	3.23
<i>For Steep Roof, Over 7 To 12, Add</i>	4.18	
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	2.02	
07 41 13 00-0026 LF 9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing.....	20.63	2.24
<i>For Steep Roof, Over 7 To 12, Add</i>	2.79	
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.19	
07 41 13 00-0027 LF Valley Flashing For Aluminum Exposed Fastener Metal Roofing	41.26	3.23
<i>For Steep Roof, Over 7 To 12, Add</i>	4.18	
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	2.82	
07 41 13 00-0028 LF Hip Flashing For Aluminum Exposed Fastener Metal Roofing.....	33.99	3.23
<i>For Steep Roof, Over 7 To 12, Add</i>	4.18	
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	2.09	
07 41 13 00-0029 Standing Seam Roofs <small>(07 41 13)</small>		
Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030 Galvanized Steel Standing Seam Concealed Fastener Roofing <small>(07 41 13 00-0029)</small>		
Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0031			Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0030)		
07 41 13 00-0032	SF		Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.01	3.30
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.98	
			<i>For Panels <16" Wide, Add</i>	1.92	
			<i>For 140 MPH Wind Load, Add</i>	0.81	
			<i>For Up To 1,500, Add</i>	3.50	
			<i>For >1,500 To 5,000, Add</i>	2.10	
			<i>For >5,000 To 10,000, Add</i>	0.35	
07 41 13 00-0033	SF		Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.71	3.30
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.98	
			<i>For Panels <16" Wide, Add</i>	1.95	
			<i>For 140 MPH Wind Load, Add</i>	0.82	
			<i>For Up To 1,500, Add</i>	3.68	
			<i>For >1,500 To 5,000, Add</i>	2.21	
			<i>For >5,000 To 10,000, Add</i>	0.37	
07 41 13 00-0034	SF		Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.40	3.30
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.98	
			<i>For Panels <16" Wide, Add</i>	1.89	
			<i>For 140 MPH Wind Load, Add</i>	0.80	
			<i>For Up To 1,500, Add</i>	3.35	
			<i>For >1,500 To 5,000, Add</i>	2.01	
			<i>For >5,000 To 10,000, Add</i>	0.34	
07 41 13 00-0035	SF		Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.64	3.30
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.98	
			<i>For Panels <16" Wide, Add</i>	1.90	
			<i>For 140 MPH Wind Load, Add</i>	0.80	
			<i>For Up To 1,500, Add</i>	3.41	
			<i>For >1,500 To 5,000, Add</i>	2.05	
			<i>For >5,000 To 10,000, Add</i>	0.34	
07 41 13 00-0036	SF		Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.92	3.30
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.98	
			<i>For Panels <16" Wide, Add</i>	1.92	
			<i>For 140 MPH Wind Load, Add</i>	0.81	
			<i>For Up To 1,500, Add</i>	3.48	
			<i>For >1,500 To 5,000, Add</i>	2.09	
			<i>For >5,000 To 10,000, Add</i>	0.35	
07 41 13 00-0037	SF		Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.93	3.30
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.98	
			<i>For Panels <16" Wide, Add</i>	1.97	
			<i>For 140 MPH Wind Load, Add</i>	0.83	
			<i>For Up To 1,500, Add</i>	3.73	
			<i>For >1,500 To 5,000, Add</i>	2.24	
			<i>For >5,000 To 10,000, Add</i>	0.37	
07 41 13 00-0038			Accessories For Galvanized Steel Standing Seam Roofing (07 41 13 00-0030)		
07 41 13 00-0039	LF		Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	30.97	3.23
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.92	
			<i>For 140 MPH Wind Load, Add</i>	1.66	
07 41 13 00-0040	LF		9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	19.33	2.24
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.61	
			<i>For 140 MPH Wind Load, Add</i>	1.08	
07 41 13 00-0041	LF		Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	38.01	3.23
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.92	
			<i>For 140 MPH Wind Load, Add</i>	1.80	
07 41 13 00-0042	LF		Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	31.61	3.23
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.92	
			<i>For 140 MPH Wind Load, Add</i>	1.68	
07 41 13 00-0043			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
			Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0043)		
07 41 13 00-0045	SF		Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	14.50	3.30
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.98	
			<i>For Panels <16" Wide, Add</i>	1.94	
			<i>For 140 MPH Wind Load, Add</i>	0.82	
			<i>For Up To 1,500, Add</i>	3.63	
			<i>For >1,500 To 5,000, Add</i>	2.18	
			<i>For >5,000 To 10,000, Add</i>	0.36	
07 41 13 00-0046	SF		Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	15.10	3.30
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.98	
			<i>For Panels <16" Wide, Add</i>	1.97	
			<i>For 140 MPH Wind Load, Add</i>	0.83	
			<i>For Up To 1,500, Add</i>	3.78	
			<i>For >1,500 To 5,000, Add</i>	2.27	
			<i>For >5,000 To 10,000, Add</i>	0.38	
07 41 13 00-0047	SF		Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	14.16	3.30
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.98	
			<i>For Panels <16" Wide, Add</i>	1.93	
			<i>For 140 MPH Wind Load, Add</i>	0.81	
			<i>For Up To 1,500, Add</i>	3.54	
			<i>For >1,500 To 5,000, Add</i>	2.12	
			<i>For >5,000 To 10,000, Add</i>	0.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0048 SF Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	15.26	3.30
<i>For Steep Roof, Over 6 To 12, Add</i>	1.98	
<i>For Panels <16" Wide, Add</i>	1.98	
<i>For 140 MPH Wind Load, Add</i>	0.83	
<i>For Up To 1,500, Add</i>	3.82	
<i>For >1,500 To 5,000, Add</i>	2.29	
<i>For >5,000 To 10,000, Add</i>	0.38	
07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)		
07 41 13 00-0050 LF Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	35.28	3.23
<i>For Steep Roof, Over 6 To 12, Add</i>	3.92	
<i>For 140 MPH Wind Load, Add</i>	1.75	
07 41 13 00-0051 LF 9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing	21.82	2.24
<i>For Steep Roof, Over 6 To 12, Add</i>	2.61	
<i>For 140 MPH Wind Load, Add</i>	1.13	
07 41 13 00-0052 LF Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	44.08	3.23
<i>For Steep Roof, Over 6 To 12, Add</i>	3.92	
<i>For 140 MPH Wind Load, Add</i>	1.93	
07 41 13 00-0053 LF Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	36.09	3.23
<i>For Steep Roof, Over 6 To 12, Add</i>	3.92	
<i>For 140 MPH Wind Load, Add</i>	1.77	
07 41 13 00-0054 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0055 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0056 SF Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	26.97	3.95
<i>For Steep Roof, Over 6 To 12, Add</i>	2.97	
<i>For Panels <16" Wide, Add</i>	3.18	
<i>For 140 MPH Wind Load, Add</i>	1.33	
<i>For Up To 1,500, Add</i>	6.74	
<i>For >1,500 To 5,000, Add</i>	4.05	
<i>For >5,000 To 10,000, Add</i>	0.67	
07 41 13 00-0057 SF Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	30.60	3.95
<i>For Steep Roof, Over 6 To 12, Add</i>	2.97	
<i>For Panels <16" Wide, Add</i>	3.36	
<i>For 140 MPH Wind Load, Add</i>	1.40	
<i>For Up To 1,500, Add</i>	7.65	
<i>For >1,500 To 5,000, Add</i>	4.59	
<i>For >5,000 To 10,000, Add</i>	0.77	
07 41 13 00-0058 SF Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	34.91	3.95
<i>For Steep Roof, Over 6 To 12, Add</i>	2.97	
<i>For Panels <16" Wide, Add</i>	3.58	
<i>For 140 MPH Wind Load, Add</i>	1.49	
<i>For Up To 1,500, Add</i>	8.73	
<i>For >1,500 To 5,000, Add</i>	5.24	
<i>For >5,000 To 10,000, Add</i>	0.87	
07 41 13 00-0059 SF Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	40.43	3.95
<i>For Steep Roof, Over 6 To 12, Add</i>	2.97	
<i>For Panels <16" Wide, Add</i>	3.85	
<i>For 140 MPH Wind Load, Add</i>	1.60	
<i>For Up To 1,500, Add</i>	10.11	
<i>For >1,500 To 5,000, Add</i>	6.06	
<i>For >5,000 To 10,000, Add</i>	1.01	
07 41 13 00-0060 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0061 LF Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	81.12	3.61
<i>For Steep Roof, Over 6 To 12, Add</i>	4.33	
<i>For 140 MPH Wind Load, Add</i>	2.78	
07 41 13 00-0062 LF 9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	43.97	2.36
<i>For Steep Roof, Over 6 To 12, Add</i>	2.87	
<i>For 140 MPH Wind Load, Add</i>	1.65	
07 41 13 00-0063 LF Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	111.54	3.61
<i>For Steep Roof, Over 6 To 12, Add</i>	4.29	
<i>For 140 MPH Wind Load, Add</i>	3.37	
07 41 13 00-0064 LF Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	83.53	3.61
<i>For Steep Roof, Over 6 To 12, Add</i>	4.33	
<i>For 140 MPH Wind Load, Add</i>	2.82	
07 41 13 00-0065 Metal Roof Surfacing (07 41 13)		
07 41 13 00-0066 SF Acrylic, Metal Roof Primer, One Coat	0.48	
<i>For Steep Roof, Over 7 To 12, Add</i>	0.07	
07 41 13 00-0067 SF Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat	0.72	
<i>Note: 55% solids by volume.</i>		
<i>For Steep Roof, Over 7 To 12, Add</i>	0.07	
07 41 33 Plastic Roof Panels (07 41)		
07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)		

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 41 Roof Panels**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 41 33 00-0002	Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)		
07 41 33 00-0003	SF Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	6.87	2.27
07 41 33 00-0004	SF Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	6.59	2.04
07 41 33 00-0005	SF Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	7.13	2.27
07 41 33 00-0006	SF Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	6.81	2.04
07 41 33 00-0007	Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)		
07 41 33 00-0008	LF 1" "J" Channel, Starter Strip Trim	4.16	1.70
07 41 33 00-0009	LF 3-1/2" "J" Channel, Starter Strip Trim	6.14	1.70
07 41 33 00-0010	LF Outside Corner Post, 7/8" Pocket	6.71	1.70
07 41 33 00-0011	LF Inside Corner Post, 7/8" Pocket	5.17	1.70
07 41 33 00-0012	Fiberglass Roofing Panel (07 41 33)		
07 41 33 00-0013	Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014	SF 8 Ounce Corrugated Fiberglass Panel	6.41	1.81
07 41 33 00-0015	SF 12 Ounce Corrugated Fiberglass Panel	7.31	1.81

07 42 Wall Panels (07 40)**07 42 13 Metal Wall Panels (07 42)****07 42 13 19 Insulated Metal Wall Panels (07 42 13)**

07 42 13 19-0001	Insulated Panels For Sash/Window Replacement (07 42 13 19)		
	Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002	SF 1" Insulated Panel For Sash Or Window Replacement	22.40	4.85
	For Non-Insulated Panels, Deduct	-3.16	
07 42 13 19-0003	SF 1-1/4" Insulated Panel For Sash Or Window Replacement	24.31	5.45
	For Non-Insulated Panels, Deduct	-3.37	
07 42 13 19-0004	SF 1-3/4" Insulated Panel For Sash Or Window Replacement	26.01	6.06
	For Non-Insulated Panels, Deduct	-3.59	
07 42 13 19-0005	SF 2-1/4" Insulated Panel For Sash Or Window Replacement	27.86	6.30
	For Non-Insulated Panels, Deduct	-3.81	
07 42 13 19-0006	SF 3-1/4" Insulated Panel For Sash Or Window Replacement	31.47	6.91
	For Non-Insulated Panels, Deduct	-4.43	
07 42 13 19-0007	SF 4-1/4" Insulated Panel For Sash Or Window Replacement	36.39	7.64
	For Non-Insulated Panels, Deduct	-5.31	

07 42 13 23 Metal Composite Material Wall Panels (07 42 13)

07 42 13 23-0001	24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels (07 42 13 23)		
	Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.		
07 42 13 23-0002	SF 2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	23.27	2.86
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	
07 42 13 23-0003	SF 2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	26.15	3.23
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	
07 42 13 23-0004	SF 3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	28.59	3.67
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	
07 42 13 23-0005	SF 4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	31.94	4.85
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	

07 42 63 Fabricated Wall Panel Assemblies (07 42)

07 42 63 00-0001	Insulated Freezer And Chiller Panels (07 42 63)		
	Note: Excludes suspension system for ceiling support.		
07 42 63 00-0002	Polyurethane Sandwich Panel (07 42 63 00-0001)		
	Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003	SF 2" 22 Gauge Freezer Panel Sheet Metal Both Faces	26.94	2.30
07 42 63 00-0004	SF 3" 22 Gauge Freezer Panel Sheet Metal Both Faces	28.54	2.30
07 42 63 00-0005	SF 4" 22 Gauge Freezer Panel Sheet Metal Both Faces	34.00	2.30
07 42 63 00-0006	SF 5" 22 Gauge Freezer Panel Sheet Metal Both Faces	36.80	2.44
07 42 63 00-0007	SF 6" 22 Gauge Freezer Panel Sheet Metal Both Faces	39.09	2.44
07 42 63 00-0008	SF 2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	24.15	1.90
07 42 63 00-0009	SF 3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	26.29	1.90
07 42 63 00-0010	SF 4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	31.71	2.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 63 00-0011 SF 5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	30.75	2.03
07 42 63 00-0012 SF 6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	36.20	2.03
07 42 63 00-0013 Polyurethane Sandwich Panel (07 42 63 00-0001) Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014 SF 2" Freezer Panel 0.040" Aluminum Finish Both Faces	11.64	2.30
07 42 63 00-0015 SF 3" Freezer Panel 0.040" Aluminum Finish Both Faces	12.28	2.30
07 42 63 00-0016 SF 4" Freezer Panel 0.040" Aluminum Finish Both Faces	14.02	2.30
07 42 63 00-0017 SF 5" Freezer Panel 0.040" Aluminum Finish Both Faces	15.12	2.44
07 42 63 00-0018 SF 6" Freezer Panel 0.040" Aluminum Finish Both Faces	15.93	2.44
07 42 63 00-0019 SF 2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	10.34	1.90
07 42 63 00-0020 SF 3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	10.99	1.90
07 42 63 00-0021 SF 4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	11.71	2.03
07 42 63 00-0022 SF 5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	13.44	2.03
07 42 63 00-0023 SF 6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	14.52	2.03
07 42 93 Soffit Panels (07 42)		
07 42 93 00-0001 Aluminum Soffit And Fascia (07 42 93) Note: Excludes J-channel.		
07 42 93 00-0002 LF 6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	4.86	1.70
For 0.015" Thick, Deduct	-0.09	
07 42 93 00-0003 LF 10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.99	1.79
For 0.015" Thick, Deduct	-0.16	
07 42 93 00-0004 LF 1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.57	1.83
For 0.015" Thick, Deduct	-0.21	
07 42 93 00-0005 LF 1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	8.21	1.93
For 0.015" Thick, Deduct	-0.30	
07 42 93 00-0006 LF 2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	10.04	2.11
For 0.015" Thick, Deduct	-0.42	
07 42 93 00-0007 LF 3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	13.37	2.33
For 0.015" Thick, Deduct	-0.62	
07 42 93 00-0008 LF 4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	16.75	2.57
For 0.015" Thick, Deduct	-0.83	
07 42 93 00-0009 LF 5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	20.15	2.82
For 0.015" Thick, Deduct	-1.06	
07 42 93 00-0010 LF 4" Exposure, 0.024" Thick, Aluminum Fascia	5.69	1.66
07 42 93 00-0011 LF 6" Exposure, 0.024" Thick, Aluminum Fascia	6.23	1.70
07 42 93 00-0012 LF 8" Exposure, 0.024" Thick, Aluminum Fascia	7.30	1.75
07 42 93 00-0013 LF 10" Exposure, 0.024" Thick, Aluminum Fascia	8.45	1.79
07 46 Siding (07 40)		
07 46 16 Aluminum Siding (07 46) Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 16 00-0001 Aluminum Coil Stock Cladding (07 46 16) Note: Per SF of board, includes overlappage.		
07 46 16 00-0002 SF 0.016" Thick, Aluminum Clad Siding	13.43	4.52
07 46 16 00-0003 SF 0.019" Thick, Aluminum Clad Siding	13.59	4.52
07 46 16 00-0004 SF 0.024" Thick, Aluminum Clad Siding	13.86	4.52
07 46 16 00-0005 Aluminum Siding Panels (07 46 16)		
07 46 16 00-0006 Corrugated Aluminum Siding Panels (07 46 16 00-0005) Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0007 SF 0.019", Painted Finish, Corrugated Aluminum Siding Panel	9.26	2.49
07 46 16 00-0008 SF 0.021", Painted Finish, Corrugated Aluminum Siding Panel	9.64	2.49
07 46 16 00-0009 SF 0.024", Painted Finish, Corrugated Aluminum Siding Panel	10.83	2.49
07 46 16 00-0010 SF 0.032", Painted Finish, Corrugated Aluminum Siding Panel	13.16	2.49
07 46 16 00-0011 V- Beam Aluminum Siding Panels (07 46 16 00-0005) Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0012 SF 0.032", Painted Finish, V- Beam Aluminum Siding Panel	13.06	2.49
07 46 16 00-0013 SF 0.040", Painted Finish, V- Beam Aluminum Siding Panel	14.63	2.49
07 46 16 00-0014 SF 0.050", Painted Finish, V- Beam Aluminum Siding Panel	18.33	2.49
07 46 16 00-0015 Box Ribbed Aluminum Siding Panels (07 46 16 00-0005) Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0016 SF 0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	13.75	2.49
07 46 16 00-0017 SF 0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	15.25	2.49
07 46 16 00-0018 SF 0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	16.18	2.49
07 46 16 00-0019 Aluminum Siding Accessories (07 46 16)		
07 46 16 00-0020 LF 3/8" Pocket, Aluminum J-Channel	3.78	1.58
07 46 16 00-0021 LF 1/2" Pocket, Aluminum J-Channel	3.78	1.58

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 46 Siding**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel.....		4.44	1.58
07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel		4.09	1.58
07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel		4.09	1.58
07 46 19		Steel Siding <small>(07 46)</small>			
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.			
07 46 19 00-0001		Steel Siding Panels <small>(07 46 19)</small>			
07 46 19 00-0002		Corrugated Steel Siding Panels <small>(07 46 19 00-0001)</small>			
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.			
07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel.....		12.87	2.49
		<i>For Galvanized Instead Of Painted Steel, Add</i>		1.97	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel.....		11.85	2.49
		<i>For Galvanized Instead Of Painted Steel, Add</i>		1.72	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel.....		11.60	2.49
		<i>For Galvanized Instead Of Painted Steel, Add</i>		1.66	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel.....		8.60	2.49
		<i>For Galvanized Instead Of Painted Steel, Add</i>		0.91	
07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel.....		8.39	2.49
		<i>For Galvanized Instead Of Painted Steel, Add</i>		0.85	
07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel.....		8.25	2.49
		<i>For Galvanized Instead Of Painted Steel, Add</i>		0.82	
07 46 19 00-0009		Box Ribbed Steel Siding Panels <small>(07 46 19 00-0001)</small>			
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.			
07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....		12.09	2.49
		<i>For Galvanized Instead Of Painted Steel, Add</i>		1.78	
07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....		11.64	2.49
		<i>For Galvanized Instead Of Painted Steel, Add</i>		1.67	
07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....		11.33	2.49
		<i>For Galvanized Instead Of Painted Steel, Add</i>		1.59	
07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....		10.82	2.49
		<i>For Galvanized Instead Of Painted Steel, Add</i>		1.46	
07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....		9.74	2.49
		<i>For Galvanized Instead Of Painted Steel, Add</i>		1.19	
07 46 19 00-0015		Clapboard Steel Siding Panels <small>(07 46 19 00-0001)</small>			
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.			
07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel.....		9.61	1.24
07 46 23		Wood Siding <small>(07 46)</small>			
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.			
07 46 23 00-0001		Wood Lap Siding <small>(07 46 23)</small>			
07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding		4.31	1.65
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding		4.86	1.76
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding		5.43	1.87
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade.....		4.61	1.65
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better		5.13	1.65
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding		6.23	1.65
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding		6.67	1.65
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding		6.05	1.65
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin.....		4.71	1.76
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic.....		4.71	1.76
07 46 23 00-0012		Tongue And Groove Siding <small>(07 46 23)</small>			
07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding		4.31	1.65
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding		4.77	1.65
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding.....		4.42	1.65
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding.....		5.04	1.65
07 46 29		Plywood Siding <small>(07 46)</small>			
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.			
07 46 29 00-0001		T-111 Siding <small>(07 46 29)</small>			
07 46 29 00-0002	SF	5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud.....		3.38	0.85
		<i>For Pressure Treated, Add</i>		0.18	
07 46 33		Plastic Siding <small>(07 46)</small>			
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.			
07 46 33 00-0001		Vinyl Siding <small>(07 46 33)</small>			
		Note: Includes standard manufacturer's colors.			
07 46 33 00-0002		Vinyl Siding Panels <small>(07 46 33 00-0001)</small>			
		Note: Excludes J-channels, starter strips and trim.			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0003 Horizontal Vinyl Siding Panels (07 46 33 00-0002)		
Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004 SF 7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.59	2.07
For 0.040" Thick, Deduct	-0.21	
For 0.042" Thick, Deduct	-0.09	
For 0.046" Thick, Add	0.67	
For Manufacturer's Custom Colors, Add	0.07	
07 46 33 00-0005 SF 8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.35	1.95
For 0.040" Thick, Deduct	-0.21	
For 0.042" Thick, Deduct	-0.09	
For 0.046" Thick, Add	0.67	
For Manufacturer's Custom Colors, Add	0.07	
07 46 33 00-0006 SF 9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.17	1.86
For 0.040" Thick, Deduct	-0.21	
For 0.042" Thick, Deduct	-0.09	
For 0.046" Thick, Add	0.67	
For Manufacturer's Custom Colors, Add	0.07	
07 46 33 00-0007 SF 10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	4.98	1.77
For 0.040" Thick, Deduct	-0.21	
For 0.042" Thick, Deduct	-0.09	
For 0.046" Thick, Add	0.67	
For Manufacturer's Custom Colors, Add	0.07	
07 46 33 00-0008 SF 12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	4.74	1.64
For 0.040" Thick, Deduct	-0.21	
For 0.042" Thick, Deduct	-0.09	
For 0.046" Thick, Add	0.67	
For Manufacturer's Custom Colors, Add	0.07	
07 46 33 00-0009 Vertical Vinyl Siding Panels (07 46 33 00-0002)		
07 46 33 00-0010 SF 7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel.....	6.70	2.07
For Manufacturer's Custom Colors, Add	0.13	
07 46 33 00-0011 Vinyl Siding Accessories (07 46 33 00-0001)		
07 46 33 00-0012 LF 3/4" Pocket, Outside Corner Post For Vinyl Siding.....	6.84	1.58
For Manufacturer's Custom Colors, Add	0.18	
07 46 33 00-0013 LF 1-1/8" Pocket, Outside Corner Post For Vinyl Siding.....	12.42	1.58
For Manufacturer's Custom Colors, Add	0.46	
07 46 33 00-0014 LF 3/4" Pocket, Inside Corner Post For Vinyl Siding.....	5.43	1.58
For Manufacturer's Custom Colors, Add	0.11	
07 46 33 00-0015 LF 1-1/8" Pocket, Inside Corner Post For Vinyl Siding.....	6.61	1.58
For Manufacturer's Custom Colors, Add	0.17	
07 46 33 00-0016 LF 3/8" Pocket, J-Channel For Vinyl Siding.....	4.05	1.58
For Manufacturer's Custom Colors, Add	0.06	
07 46 33 00-0017 LF 1/2" Pocket, J-Channel For Vinyl Siding.....	3.78	1.58
For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0018 LF 5/8" Pocket, J-Channel For Vinyl Siding.....	3.72	1.58
For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0019 LF 3/4" Pocket, J-Channel For Vinyl Siding.....	3.90	1.58
For Manufacturer's Custom Colors, Add	0.05	
07 46 33 00-0020 LF 1" Pocket, J-Channel For Vinyl Siding.....	4.62	1.58
For Manufacturer's Custom Colors, Add	0.07	
07 46 33 00-0021 LF 1-1/4" Pocket, J-Channel For Vinyl Siding.....	5.03	1.58
For Manufacturer's Custom Colors, Add	0.09	
07 46 33 00-0022 LF 2-1/2" Pocket, J-Channel For Vinyl Siding.....	5.63	1.58
For Manufacturer's Custom Colors, Add	0.09	
07 46 33 00-0023 LF 1/2" Pocket, F-Channel For Vinyl Siding.....	3.83	1.58
For Manufacturer's Custom Colors, Add	0.07	
07 46 33 00-0024 LF 3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding.....	8.70	2.19
For Manufacturer's Custom Colors, Add	0.22	
07 46 33 00-0025 LF 3/4" Pocket, 5" Lineal Trim For Vinyl Siding.....	9.09	2.19
For Manufacturer's Custom Colors, Add	0.24	
07 46 33 00-0026 LF 1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding.....	9.96	2.19
For Manufacturer's Custom Colors, Add	0.28	
07 46 33 00-0027 LF 3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding.....	5.21	1.58
For Manufacturer's Custom Colors, Add	0.10	
07 46 33 00-0028 LF Vinyl Starter Strip For Vinyl Siding.....	6.44	1.58
For Manufacturer's Custom Colors, Add	0.16	
07 46 33 00-0029 LF Undersill Trim For Vinyl Siding.....	5.55	1.58
For Manufacturer's Custom Colors, Add	0.12	
07 46 33 00-0030 Vinyl Soffit And Fascia (07 46 33 00-0001)		
Note: Excludes J-channel.		
07 46 33 00-0031 LF 6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	4.73	1.70
For 0.038" Thick, Deduct	-0.59	
For 0.040" Thick, Deduct	-0.49	
For Manufacturer's Custom Colors, Add	0.07	
07 46 33 00-0032 LF 10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	5.77	1.79
For 0.038" Thick, Deduct	-0.99	
For 0.040" Thick, Deduct	-0.83	
For Manufacturer's Custom Colors, Add	0.11	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0033	LF		1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	6.29	1.83
			<i>For 0.038" Thick, Deduct</i>	-1.21	
			<i>For 0.040" Thick, Deduct</i>	-1.00	
			<i>For Manufacturer's Custom Colors, Add</i>	0.13	
07 46 33 00-0034	LF		1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	7.80	1.93
			<i>For 0.038" Thick, Deduct</i>	-1.80	
			<i>For 0.040" Thick, Deduct</i>	-1.52	
			<i>For Manufacturer's Custom Colors, Add</i>	0.20	
07 46 33 00-0035	LF		2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	9.50	2.11
			<i>For 0.038" Thick, Deduct</i>	-2.42	
			<i>For 0.040" Thick, Deduct</i>	-2.03	
			<i>For Manufacturer's Custom Colors, Add</i>	0.26	
07 46 33 00-0036	LF		3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	12.55	2.33
			<i>For 0.038" Thick, Deduct</i>	-3.63	
			<i>For 0.040" Thick, Deduct</i>	-3.03	
			<i>For Manufacturer's Custom Colors, Add</i>	0.40	
07 46 33 00-0037	LF		4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	15.66	2.57
			<i>For 0.038" Thick, Deduct</i>	-4.84	
			<i>For 0.040" Thick, Deduct</i>	-4.06	
			<i>For Manufacturer's Custom Colors, Add</i>	0.53	
07 46 33 00-0038	LF		5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	18.79	2.82
			<i>For 0.038" Thick, Deduct</i>	-6.05	
			<i>For 0.040" Thick, Deduct</i>	-5.06	
			<i>For Manufacturer's Custom Colors, Add</i>	0.66	
07 46 33 00-0039	LF		4" Exposure, Vinyl Fascia	4.91	1.66
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0040	LF		6" Exposure, Vinyl Fascia	5.45	1.70
			<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0041	LF		8" Exposure, Vinyl Fascia	5.39	1.75
			<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0042	LF		10" Exposure, Vinyl Fascia	6.15	1.79
			<i>For Manufacturer's Custom Colors, Add</i>	0.13	
07 46 33 00-0043			Fiberglass Siding (07 46 33)		
07 46 33 00-0044			Corrugated Panels (07 46 33 00-0043)		
07 46 33 00-0045	SF		6 Ounce Corrugated Fiberglass Panels.....	6.79	2.45
07 46 33 00-0046	SF		8 Ounce Corrugated Fiberglass Panels	7.17	2.19
07 46 33 00-0047	SF		12 Ounce Corrugated Fiberglass Panels	7.86	2.19
07 46 33 00-0048			Flat Panels (07 46 33 00-0043)		
07 46 33 00-0049	SF		6 Ounce Flat Fiberglass Panels.....	6.55	2.19
07 46 33 00-0050	SF		8 Ounce Flat Fiberglass Panels.....	7.17	2.19
07 46 46			Fiber-Cement Siding (07 46)		
			Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001			5/16" Thick, Fiber Cement Lap Siding (07 46 46)		
07 46 46 00-0002	SF		5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.21	2.57
07 46 46 00-0003	SF		6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.86	2.45
07 46 46 00-0004	SF		7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.71	2.38
07 46 46 00-0005	SF		8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.55	2.31
07 46 46 00-0006	SF		9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.26	2.19
07 46 46 00-0007	SF		12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.97	2.07
07 46 46 00-0008	LF		Starter Strip, Fiber Cement Lap Siding	1.57	0.61
07 46 46 00-0009			Fiber Cement Shingle Siding (07 46 46)		
07 46 46 00-0010	SF		Fiber Cement Shingle Siding	10.89	2.25
07 46 46 00-0011			Fiber Cement Vertical Panel Siding (07 46 46)		
07 46 46 00-0012	SF		Fiber Cement Vertical Panel Siding	5.30	1.83
07 46 46 00-0013			Fiber Cement Trim Boards (07 46 46)		
07 46 46 00-0014			7/16" Thick, Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0015	LF		4" Wide, 7/16" Thick, Fiber Cement Trim Board	3.46	1.22
07 46 46 00-0016	LF		6" Wide, 7/16" Thick, Fiber Cement Trim Board	4.38	1.34
07 46 46 00-0017	LF		8" Wide, 7/16" Thick, Fiber Cement Trim Board	5.25	1.46
07 46 46 00-0018	LF		12" Wide, 7/16" Thick, Fiber Cement Trim Board	6.88	1.71
07 46 46 00-0019			3/4" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0020	LF		4" Wide, 3/4" Thick, Fiber Cement Trim Board	3.63	1.22
07 46 46 00-0021	LF		6" Wide, 3/4" Thick, Fiber Cement Trim Board	4.63	1.34
07 46 46 00-0022	LF		8" Wide, 3/4" Thick, Fiber Cement Trim Board	5.67	1.46
07 46 46 00-0023	LF		12" Wide, 3/4" Thick, Fiber Cement Trim Board	5.95	1.71



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 46 00-0024				1" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
	07 46 46 00-0025	LF		4" Wide, 1" Thick, Fiber Cement Trim Board	3.84	1.22
	07 46 46 00-0026	LF		6" Wide, 1" Thick, Fiber Cement Trim Board	5.01	1.34
	07 46 46 00-0027	LF		8" Wide, 1" Thick, Fiber Cement Trim Board	6.22	1.46
	07 46 46 00-0028	LF		12" Wide, 1" Thick, Fiber Cement Trim Board	8.27	1.71
07 46 46 00-0029				Fiber Cement Fascia Board (07 46 46)		
	07 46 46 00-0030	LF		5/4" x 3-1/2" Fiber Cement Fascia Board.....	6.78	2.42
	07 46 46 00-0031	LF		5/4" x 5-1/2" Fiber Cement Fascia Board.....	8.45	2.69
	07 46 46 00-0032	LF		5/4" x 7-1/4" Fiber Cement Fascia Board.....	9.42	2.69
	07 46 46 00-0033	LF		5/4" x 11-1/4" Fiber Cement Fascia Board.....	12.48	3.16
07 46 46 00-0034				Fiber Cement Soffit Boards (07 46 46)		
	07 46 46 00-0035	SF		1/4" Thick, Non Vented Fiber Cement Soffit	7.36	1.75
	07 46 46 00-0036	SF		1/4" Thick, Vented Fiber Cement Soffit.....	7.86	1.75
07 46 63				Fabricated Panel Assemblies with Siding (07 46)		
07 46 63 00-0001				Metal Liner Panels (07 46 63)		
07 46 63 00-0002				Galvanized Metal Liner Panels (07 46 63 00-0001)		
	07 46 63 00-0003	SF		24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	11.04	2.19
	07 46 63 00-0004	SF		22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	12.10	2.19
	07 46 63 00-0005	SF		20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	13.96	2.19
	07 46 63 00-0006	SF		18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	14.16	2.19
07 50				Membrane Roofing (07)		
				See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.		
07 51				Built-Up Bituminous Roofing (07 50)		
07 51 13				Built-Up Asphalt Roofing (07 51)		
07 51 13 00-0001				Built-Up Asphalt Roofing Components (07 51 13)		
07 51 13 00-0002				Built-Up Asphalt Membrane Roofing (07 51 13 00-0001)		
				Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.		
07 51 13 00-0003				Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
				Note: Includes applying cold adhesive and embedding the membrane.		
07 51 13 00-0004				Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0003)		
	07 51 13 00-0005	SQ		Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	116.33	
				For Up To 10, Add	30.50	
				For >10 To 20, Add	17.06	
				For >20 To 40, Add	9.43	
				For >75 To 100, Deduct	-4.72	
				For >100 To 200, Deduct	-10.34	
				For >200, Deduct	-15.05	
	07 51 13 00-0006	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	325.28	
				For Up To 10, Add	72.29	
				For >10 To 20, Add	37.95	
				For >20 To 40, Add	19.88	
				For >75 To 100, Deduct	-9.94	
				For >100 To 200, Deduct	-20.78	
				For >200, Deduct	-30.72	
07 51 13 00-0007				Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing (07 51 13 00-0003)		
	07 51 13 00-0008	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied.....	7.71	
07 51 13 00-0009				Hot-Mopped, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
				Note: Includes mopping hot asphalt and embedding the membrane.		
07 51 13 00-0010				Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0009)		
	07 51 13 00-0011	SQ		Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	85.20	
				For Up To 10, Add	24.41	
				For >10 To 20, Add	14.05	
				For >20 To 40, Add	7.95	
				For >75 To 100, Deduct	-3.97	
				For >100 To 200, Deduct	-8.87	
				For >200, Deduct	-12.84	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0012 SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	91.16	
For Up To 10, Add	25.60	
For >10 To 20, Add	14.64	
For >20 To 40, Add	8.24	
For >75 To 100, Deduct	-4.12	
For >100 To 200, Deduct	-9.16	
For >200, Deduct	-13.29	
07 51 13 00-0013 SQ Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	97.93	
For Up To 10, Add	26.96	
For >10 To 20, Add	15.32	
For >20 To 40, Add	8.58	
For >75 To 100, Deduct	-4.29	
For >100 To 200, Deduct	-9.50	
For >200, Deduct	-13.79	
07 51 13 00-0014 SQ Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	173.00	
For Up To 10, Add	41.97	
For >10 To 20, Add	22.83	
For >20 To 40, Add	12.34	
For >75 To 100, Deduct	-6.17	
For >100 To 200, Deduct	-13.26	
For >200, Deduct	-19.42	
07 51 13 00-0015 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped.....	294.15	
For Up To 10, Add	66.20	
For >10 To 20, Add	34.94	
For >20 To 40, Add	18.39	
For >75 To 100, Deduct	-9.20	
For >100 To 200, Deduct	-19.31	
For >200, Deduct	-28.51	
07 51 13 00-0016 SQ Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped.....	222.32	
For Up To 10, Add	52.53	
For >10 To 20, Add	28.28	
For >20 To 40, Add	15.15	
For >75 To 100, Deduct	-7.58	
For >100 To 200, Deduct	-16.16	
For >200, Deduct	-23.74	
07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing (07 51 13 00-0009)		
07 51 13 00-0018 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped.....	4.87	
07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
Note: Includes fasteners.		
07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0019)		
07 51 13 00-0021 SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	90.66	
For Up To 10, Add	21.74	
For >10 To 20, Add	11.78	
For >20 To 40, Add	6.34	
For >75 To 100, Deduct	-3.17	
For >100 To 200, Deduct	-6.79	
For >200, Deduct	-9.96	
07 51 13 00-0022 SQ Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	172.50	
For Up To 10, Add	38.11	
For >10 To 20, Add	19.96	
For >20 To 40, Add	10.43	
For >75 To 100, Deduct	-5.22	
For >100 To 200, Deduct	-10.88	
For >200, Deduct	-16.10	
07 51 13 00-0023 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened.....	293.65	
For Up To 10, Add	62.34	
For >10 To 20, Add	32.07	
For >20 To 40, Add	16.49	
For >75 To 100, Deduct	-8.24	
For >100 To 200, Deduct	-16.94	
For >200, Deduct	-25.18	
07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing (07 51 13 00-0019)		
07 51 13 00-0025 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened.....	5.91	
07 51 13 00-0026 Asphalt Saturated Organic Felt (07 51 13 00-0001)		
07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	112.60	
For Up To 10, Add	29.75	
For >10 To 20, Add	16.68	
For >20 To 40, Add	9.25	
For >75 To 100, Deduct	-4.62	
For >100 To 200, Deduct	-10.15	
For >200, Deduct	-14.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0029 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	127.96	
<i>For Up To 10, Add</i>	32.82	
<i>For >10 To 20, Add</i>	18.22	
<i>For >20 To 40, Add</i>	10.01	
<i>For >75 To 100, Deduct</i>	-5.01	
<i>For >100 To 200, Deduct</i>	-10.92	
<i>For >200, Deduct</i>	-15.93	
07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt <small>(07 51 13 00-0026)</small>		
Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	81.47	
<i>For Up To 10, Add</i>	23.66	
<i>For >10 To 20, Add</i>	13.67	
<i>For >20 To 40, Add</i>	7.76	
<i>For >75 To 100, Deduct</i>	-3.88	
<i>For >100 To 200, Deduct</i>	-8.68	
<i>For >200, Deduct</i>	-12.56	
07 51 13 00-0032 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	96.84	
<i>For Up To 10, Add</i>	26.74	
<i>For >10 To 20, Add</i>	15.21	
<i>For >20 To 40, Add</i>	8.53	
<i>For >75 To 100, Deduct</i>	-4.26	
<i>For >100 To 200, Deduct</i>	-9.45	
<i>For >200, Deduct</i>	-13.71	
07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt <small>(07 51 13 00-0026)</small>		
Note: Includes fasteners.		
07 51 13 00-0034 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	40.93	
<i>For Up To 10, Add</i>	11.80	
<i>For >10 To 20, Add</i>	6.80	
<i>For >20 To 40, Add</i>	3.85	
<i>For >75 To 100, Deduct</i>	-1.93	
<i>For >100 To 200, Deduct</i>	-4.30	
<i>For >200, Deduct</i>	-6.23	
07 51 13 00-0035 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	56.29	
<i>For Up To 10, Add</i>	14.87	
<i>For >10 To 20, Add</i>	8.34	
<i>For >20 To 40, Add</i>	4.62	
<i>For >75 To 100, Deduct</i>	-2.31	
<i>For >100 To 200, Deduct</i>	-5.07	
<i>For >200, Deduct</i>	-7.38	
07 51 13 00-0036 Surfacing <small>(07 51 13 00-0001)</small>		
07 51 13 00-0037 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat.....	179.16	
<i>For Up To 10, Add</i>	53.91	
<i>For >10 To 20, Add</i>	31.48	
<i>For >20 To 40, Add</i>	18.00	
<i>For >75 To 100, Deduct</i>	-9.00	
<i>For >100 To 200, Deduct</i>	-20.26	
<i>For >200, Deduct</i>	-29.26	
07 51 13 00-0038 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat.....	269.58	
<i>For Up To 10, Add</i>	72.00	
<i>For >10 To 20, Add</i>	40.52	
<i>For >20 To 40, Add</i>	22.52	
<i>For >75 To 100, Deduct</i>	-11.26	
<i>For >100 To 200, Deduct</i>	-24.78	
<i>For >200, Deduct</i>	-36.04	
07 51 13 00-0039 CY Gravel Roofing Ballast, Spread To Desired Thickness	182.59	
Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040 SQ Protective Polypropylene Fabric Mat, Loose Laid.....	50.96	
Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
<i>For Up To 10, Add</i>	12.58	
<i>For >10 To 20, Add</i>	6.89	
<i>For >20 To 40, Add</i>	3.74	
<i>For >75 To 100, Deduct</i>	-1.87	
<i>For >100 To 200, Deduct</i>	-4.04	
<i>For >200, Deduct</i>	-5.91	
07 51 13 00-0041 SQ Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat	132.87	
Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
<i>For Up To 10, Add</i>	30.91	
<i>For >10 To 20, Add</i>	16.54	
<i>For >20 To 40, Add</i>	8.81	
<i>For >75 To 100, Deduct</i>	-4.41	
<i>For >100 To 200, Deduct</i>	-9.36	
<i>For >200, Deduct</i>	-13.76	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0042	SQ		Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat 117.91 Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
			<i>For Up To 10, Add</i>	27.92	
			<i>For >10 To 20, Add</i>	15.05	
			<i>For >20 To 40, Add</i>	8.07	
			<i>For >75 To 100, Deduct</i>	-4.03	
			<i>For >100 To 200, Deduct</i>	-8.61	
			<i>For >200, Deduct</i>	-12.64	
07 51 13 00-0043	SQ		Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat 158.72 Note: Reflective coating for use over smooth-surfaced built-up roofs.		
			<i>For Up To 10, Add</i>	36.08	
			<i>For >10 To 20, Add</i>	19.13	
			<i>For >20 To 40, Add</i>	10.11	
			<i>For >75 To 100, Deduct</i>	-5.05	
			<i>For >100 To 200, Deduct</i>	-10.65	
			<i>For >200, Deduct</i>	-15.70	
07 51 13 00-0044	SQ		100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat 160.05 Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			<i>For Up To 10, Add</i>	36.35	
			<i>For >10 To 20, Add</i>	19.26	
			<i>For >20 To 40, Add</i>	10.17	
			<i>For >75 To 100, Deduct</i>	-5.09	
			<i>For >100 To 200, Deduct</i>	-10.72	
			<i>For >200, Deduct</i>	-15.80	
			<i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	47.83	
07 51 13 00-0045	SQ		100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat 165.55 Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			<i>For Up To 10, Add</i>	37.45	
			<i>For >10 To 20, Add</i>	19.81	
			<i>For >20 To 40, Add</i>	10.45	
			<i>For >75 To 100, Deduct</i>	-5.22	
			<i>For >100 To 200, Deduct</i>	-10.99	
			<i>For >200, Deduct</i>	-16.21	
			<i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	49.64	
07 51 13 00-0046	SF		Ceramic Coated Roofing Granules, Hand Broadcast 2.59 Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047	SF		Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast 4.39 Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0048	SQ		Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™) 39.49		
07 51 13 00-0049			Walkway Pads (07 51 13 00-0001) Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0050	LF		5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad 33.30		
07 51 13 00-0051	LF		1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad 39.74		
07 51 13 00-0052			Cant And Tapered Edge Strips (07 51 13 00-0001)		
07 51 13 00-0053	LF		2" x 2" Perlite Cant Strip 4.37		
07 51 13 00-0054	LF		3" x 3" Perlite Cant Strip 4.52		
07 51 13 00-0055	LF		4" x 4" Perlite Cant Strip 5.22		
07 51 13 00-0056	LF		3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally 4.35		
07 51 13 00-0057	LF		4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally 4.52		
07 51 13 00-0058	LF		1/2" x 6" Perlite Tapered Edge Strip 4.89		
07 51 13 00-0059	LF		1/2" x 12" Perlite Tapered Edge Strip 5.70		
07 51 13 00-0060	LF		1" x 12" Perlite Tapered Edge Strip 5.91		
07 51 13 00-0061	LF		1" x 24" Perlite Tapered Edge Strip 6.75		
07 51 13 00-0062	LF		1-1/2" x 12" Perlite Tapered Edge Strip 6.67		
07 51 13 00-0063	LF		1-1/2" x 18" Perlite Tapered Edge Strip 8.19		
07 51 13 00-0064	LF		1-1/2" x 24" Perlite Tapered Edge Strip 9.30		
07 51 13 00-0065			Asphalt Primer (07 51 13 00-0001)		
07 51 13 00-0066	SQ		Asphalt Primer For Roofing Systems 36.64 Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.		
07 51 13 00-0067			Demolish Built-Up Roofing (07 51 13 00-0001) Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.		
07 51 13 00-0068	SQ		Demolish Gravel/Slag Surfaced, Built Up Roofing System 379.71		
			<i>For Up To 10, Add</i>	94.18	
			<i>For >10 To 25, Add</i>	56.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0069 SQ Demolish Cap Sheet Surfaced, Built Up Roofing System Note: Includes protective surfacing. For Up To 10, Add For >10 To 25, Add	292.92 72.66 43.59	
07 51 13 00-0070 Roofing System Warranty <small>(07 51 13 00-0001)</small> Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0071 EA Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	611.24	
07 51 13 00-0072 SQ >50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	8.73	
07 51 13 00-0073 EA Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	698.56	
07 51 13 00-0074 SQ >50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	13.97	
07 51 13 00-0075 EA Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	960.52	
07 51 13 00-0076 SQ >50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	19.21	
07 51 13 00-0077 Built-Up Roofing Components (Tremco) <small>(07 51 13)</small> Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0078 Cold Applied BUR Base Plies And Ply Sheets <small>(07 51 13 00-0077)</small>		
07 51 13 00-0079 SQ BURmastic Composite Ply, Cold Applied BUR Component..... Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	139.86	
07 51 13 00-0080 SQ BURmastic Premium Composite Ply, Cold Applied BUR Component	169.72	
07 51 13 00-0081 SQ BURmastic Supreme Composite Ply, Cold Applied BUR Component	195.36	
07 51 13 00-0082 SQ 28 LB BURmastic Glass Ply, Cold Applied BUR Component	44.35	
07 51 13 00-0083 SQ 33 LB BURmastic Glass Ply, Cold Applied BUR Component	64.37	
07 51 13 00-0084 SQ POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component	267.71	
07 51 13 00-0085 SQ POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component..... Note: A smooth surfaced, non woven fiberglass/scrium fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	247.63	
07 51 13 00-0086 Hot Or Cold Applied Modified Bitumen Cap Membrane <small>(07 51 13 00-0077)</small>		
07 51 13 00-0087 SQ POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	151.26	
07 51 13 00-0088 SQ POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	401.08	
07 51 13 00-0089 SQ POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	663.61	
07 51 13 00-0090 SQ POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	176.60	
07 51 13 00-0091 SQ POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	271.21	
07 51 13 00-0092 SQ POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component	658.26	
07 51 13 00-0093 SQ POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	478.89	
07 51 13 00-0094 SQ POWERply HE FR Cap Sheet, Hot Applied BUR Component..... Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	475.22	
07 51 13 00-0095 Self Adhesive Base Plies And Ply Sheets <small>(07 51 13 00-0077)</small>		
07 51 13 00-0096 SQ POWERply SA Base Sheet, Self Adhesive Roofing	275.86	
07 51 13 00-0097 SQ POWERply SA FR Membrane, Self Adhesive Roofing	546.10	
07 51 13 00-0098 Flashings <small>(07 51 13 00-0077)</small>		
07 51 13 00-0099 LF 11-1/2" Hypalon Elastomeric Flashing	16.86	
07 51 13 00-0100 LF 19" Hypalon Elastomeric Flashing	27.33	
07 51 13 00-0101 LF 25" Hypalon Elastomeric Flashing	36.28	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0102 LF 38" Hypalon Elastomeric Flashing Note: 45 mils.	53.26	
07 51 13 00-0103 LF 60-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	87.65	
07 51 13 00-0104 LF 12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	13.31	
07 51 13 00-0105 LF 18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	21.64	
07 51 13 00-0106 LF 24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	28.83	
07 51 13 00-0107 LF 36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	42.16	
07 51 13 00-0108 LF 60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	70.95	
07 51 13 00-0109 LF 4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.68	
07 51 13 00-0110 LF 6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.85	
07 51 13 00-0111 LF 12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	5.43	
07 51 13 00-0112 LF 36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	14.07	
07 51 13 00-0113 Cold Applied Adhesives (07 51 13 00-0077)		
07 51 13 00-0114 SQ BURmastic Inter-Ply Cold Applied Adhesive.....	170.67	
07 51 13 00-0115 SQ BURmastic Flood Coat Cold Applied Adhesive.....	281.49	
07 51 13 00-0116 SQ BURmastic SF Inter-Ply Cold Applied Adhesive.....	217.58	
07 51 13 00-0117 SQ BURmastic LV Inter-Ply Cold Applied Adhesive.....	170.67	
07 51 13 00-0118 SQ POWERply Standard Inter-Ply Cold Applied Adhesive.....	86.13	
07 51 13 00-0119 SQ POWERply Standard Flood Coat Cold Applied Adhesive.....	192.00	
07 51 13 00-0120 SQ POWERply White On White Cold Applied Adhesive.....	189.45	
07 51 13 00-0121 SQ Rock-It Cold Applied Adhesive For Gravel Applications.....	530.39	
07 51 13 00-0122 SQ FAS-n-FREE Cold Applied Adhesive (Beads 12" OC)..... Note: For insulation only.	293.34	
07 51 13 00-0123 SQ ECOLastic Cold Applied Adhesive.....	329.08	
07 51 13 00-0124 Hot Applied Adhesives (07 51 13 00-0077)		
07 51 13 00-0125 SQ Premium III Asphalt Inter-Ply Hot Applied Adhesive.....	60.93	
07 51 13 00-0126 SQ Premium III Asphalt Flood Coat Hot Applied Adhesive.....	113.35	
07 51 13 00-0127 Flashings Adhesives (07 51 13 00-0077)		
07 51 13 00-0128 LF Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	20.39	
07 51 13 00-0129 LF Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	27.10	
07 51 13 00-0130 LF ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	16.35	
07 51 13 00-0131 LF TremSEAL D General Purpose Sealant.....	6.21	
07 51 13 00-0132 LF TremSEAL HP High Performance Sealant.....	6.38	
07 51 13 00-0133 LF TremSEAL S Silicone Sealant.....	6.24	
07 51 13 00-0134 Surfacing (07 51 13 00-0077)		
07 51 13 00-0135 SQ TremLastic SP Non Fibered Elastomeric Emulsion Cold Applied Coating.....	254.76	
07 51 13 00-0136 SQ ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating.....	569.35	
07 51 13 00-0137 SQ Polar Coat.....	145.45	
07 51 13 00-0138 SQ Alumination 301, Asphalt Based, Fibrated Aluminum Roof Coating.....	178.61	
07 51 13 00-0139 SQ Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls.....	521.02	
07 51 13 00-0140 SQ Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls.....	235.09	
07 51 13 00-0141 SQ 100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB).....	67.23	
07 51 13 00-0142 Walkway Protection Pads (07 51 13 00-0077)		
07 51 13 00-0143 LF 36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®).....	32.69	
07 51 13 00-0144 Primer (07 51 13 00-0077)		
07 51 13 00-0145 SQ TREMprime WB Primer..... Note: Water based polymer modified asphalt primer.	36.87	
07 51 13 00-0146 SQ Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating.....	83.47	
07 51 13 00-0147 Liquid Applied Roofing (07 51 13 00-0077)		
07 51 13 00-0148 SQ Trem-LAR LRM H Waterproofing (Horizontal)..... Note: One part liquid applied elastomeric roofing membrane. 60 mils.	432.93	
07 51 13 00-0149 SQ Trem-LAR LRM V Waterproofing (Vertical)..... Note: One part liquid applied elastomeric roofing membrane. 60 mils.	440.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0150 SQ AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces 567.12 Note: Two part liquid applied polyurethane roof coating. 48 mils.	567.12	
07 51 13 00-0151 SQ AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces 738.39 Note: Two part liquid applied polyurethane roof coating. 64 mils.	738.39	
07 51 13 00-0152 SQ AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating 429.80 Note: Two part liquid applied polyurethane roof coating. 32 mils.	429.80	
07 51 13 00-0153 SQ AlphaGuard Glass Mat 82.55 Note: Reinforcement mat for AlphaGuard systems.	82.55	
07 51 13 00-0154 SQ AlphaGuard C-Prime Primer 83.29 Note: 100% solids epoxy primer for concrete surfaces.	83.29	
07 51 13 00-0155 SQ AlphaGuard M-Prime Primer 89.58 Note: Water based primer for metal and plastic surfaces.	89.58	
07 51 13 00-0156 SQ Geogard Primer 65.84 Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.	65.84	
07 51 13 00-0157 SQ AlphaGuard Primer WB 59.14 Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.	59.14	
07 51 13 00-0158 Atactic-Polypropylene (APP) Products (07 51 13 00-0077)		
07 51 13 00-0159 SQ POWERply Atactic-Polypropylene (APP) Base Sheet 223.29	223.29	
07 51 13 00-0160 SQ POWERply Atactic-Polypropylene (APP) FR 422.79	422.79	
07 51 13 00-0161 SQ POWERply Atactic-Polypropylene (APP) Smooth 338.82	338.82	
07 51 13 00-0162 Tri-Polymer Alloy (TPA) White Membrane (07 51 13 00-0077)		
07 51 13 00-0163 SQ 45 Mil Tri-Polymer Alloy (TPA) White Membrane 592.68	592.68	
07 51 13 00-0164 SQ 60 Mil Tri-Polymer Alloy (TPA) White Membrane 814.44	814.44	
07 51 13 00-0165 SQ 80 Mil Tri-Polymer Alloy (TPA) White Membrane 926.06	926.06	
07 51 13 00-0166 Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane (07 51 13 00-0077)		
07 51 13 00-0167 SQ 45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane 682.34	682.34	
07 51 13 00-0168 SQ 60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane 838.00	838.00	
07 51 13 00-0169 SQ 80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane 1,026.11	1,026.11	
07 51 13 00-0170 Tri-Polymer Alloy (TPA) Membrane Accessories (07 51 13 00-0077)		
07 51 13 00-0171 EA >1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco) 122.00	122.00	
07 51 13 00-0172 EA >4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco) 138.57	138.57	
07 51 13 00-0173 LF 36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco) 19.52	19.52	
07 51 13 00-0174 SQ Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco) 66.30	66.30	
07 51 13 00-0175 Thermoplastic Polyolefin (TPO) Polyester White Membrane (07 51 13 00-0077)		
07 51 13 00-0176 SQ 45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane 316.89	316.89	
07 51 13 00-0177 SQ 60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane 321.36	321.36	
07 51 13 00-0178 SQ 80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane 574.64	574.64	
07 51 13 00-0179 Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane (07 51 13 00-0077)		
07 51 13 00-0180 SQ 45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane 369.22	369.22	
07 51 13 00-0181 SQ 60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane 416.70	416.70	
07 51 13 00-0182 SQ 80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane 607.81	607.81	
07 51 13 00-0183 Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremplly HP 4510) (07 51 13 00-0077)		
07 51 13 00-0184 SQ 45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremplly HP 4510) 997.90	997.90	
07 51 13 00-0185 Single Ply Adhesives (07 51 13 00-0077)		
07 51 13 00-0186 SQ Low VOC, TPA Bonding Adhesive (Tremco) 160.79	160.79	
07 51 13 00-0187 SQ Water Based, TPA Bonding Adhesive (Tremco) 181.75	181.75	
07 51 13 00-0188 SQ Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco) 157.75	157.75	
07 51 13 00-0189 SQ Low VOC, TPO Bonding Adhesive (Tremco) 104.89	104.89	
07 51 13 00-0190 Warranty (Tremco) (07 51 13 00-0077)		
07 51 13 00-0191 EA Up To 10,000 SF 15 Year Roofing System Warranty 1,500.00	1,500.00	
07 51 13 00-0192 SF >10,000 SF 15 Year Roofing System Warranty 0.15	0.15	
07 51 13 00-0193 EA Up To 10,000 SF 20 Year Roofing System Warranty 2,000.00	2,000.00	
07 51 13 00-0194 SF >10,000 SF 20 Year Roofing System Warranty 0.20	0.20	
07 51 13 00-0195 Built-Up Roofing Components (Garland) (07 51 13)		
Note: All tasks presented as a single layer. Adhesives are priced separately.		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 51 13 00-0196	Modified Cap Membranes (07 51 13 00-0196)		
07 51 13 00-0197	Modified Cap Membranes, Hot/Cold Applied (07 51 13 00-0196)		
	Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0198	SQ Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	697.52	
07 51 13 00-0199	SQ Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil.....	499.00	
07 51 13 00-0200	SQ Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil.....	617.83	
07 51 13 00-0201	SQ Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	642.02	
07 51 13 00-0202	SQ Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil.....	893.90	
07 51 13 00-0203	SQ Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	1,004.90	
07 51 13 00-0204	SQ Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil.....	421.90	
	Note: Low strength cap sheet for hot or cold modified systems used with gravel.		
07 51 13 00-0205	SQ Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	532.45	
07 51 13 00-0206	SQ BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	325.59	
07 51 13 00-0207	Modified Cap Membranes, Self-Adhering (07 51 13 00-0196)		
	Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil.....	631.35	
	Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.		
07 51 13 00-0209	Modified Cap Membranes, Torch-Applied (07 51 13 00-0196)		
	Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0210	SQ Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	777.22	
	Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.		
07 51 13 00-0211	SQ Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil.....	845.53	
07 51 13 00-0212	SQ Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	891.06	
07 51 13 00-0213	Modified Cap Membranes, Coal Tar Pitch Systems (07 51 13 00-0196)		
	Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0214	SQ Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil.....	716.29	
07 51 13 00-0215	SQ Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,132.98	
07 51 13 00-0216	SQ Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil.....	922.38	
07 51 13 00-0217	Base Ply (07 51 13 00-0196)		
	Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.		
07 51 13 00-0218	SQ Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil.....	637.75	
07 51 13 00-0219	SQ Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil.....	400.81	
07 51 13 00-0220	SQ HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil	91.75	
	Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.		
07 51 13 00-0221	SQ HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	60.73	
	Note: Inner ply felts for hot applied built up and modified BUR systems.		
07 51 13 00-0222	SQ HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	73.95	
07 51 13 00-0223	SQ HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	80.36	
07 51 13 00-0224	SQ HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil	125.00	
	Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.		
07 51 13 00-0225	SQ Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	406.07	
07 51 13 00-0226	SQ HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil	350.30	
	Note: Self adhering base ply for self adhering 2 ply system.		
07 51 13 00-0227	SQ StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil.....	355.72	
07 51 13 00-0228	SQ StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil.....	295.25	
07 51 13 00-0229	LF Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric.....	5.27	
07 51 13 00-0230	LF Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems.....	14.63	
07 51 13 00-0231	SQ Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	70.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0232 LF Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	6.87	
07 51 13 00-0233 LF Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	4.98	
07 51 13 00-0234 LF Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	5.81	
07 51 13 00-0235 SQ HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications.....	154.65	
 07 51 13 00-0236 Coatings And Mastics For Roof Installation, Restoration And Repairs (07 51 13 00-0195)		
07 51 13 00-0237 SQ Water Based Roof Primer, GarlaPrime VOC Primer	44.72	
07 51 13 00-0238 SQ Black-Knight® Primer	41.38	
07 51 13 00-0239 SQ Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	170.30	
07 51 13 00-0240 SQ Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ)	180.30	
07 51 13 00-0241 SQ Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ)	287.15	
07 51 13 00-0242 SQ Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply.....	462.22	
07 51 13 00-0243 SQ Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat	475.55	
07 51 13 00-0244 SQ Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ).....	222.23	
07 51 13 00-0245 SQ Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	367.42	
07 51 13 00-0246 SQ Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	567.07	
07 51 13 00-0247 SQ Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration	942.34	
07 51 13 00-0248 SQ Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply	394.56	
07 51 13 00-0249 SQ Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat.....	407.89	
07 51 13 00-0250 SQ Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	865.61	
07 51 13 00-0251 SQ Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	374.66	
07 51 13 00-0252 SQ HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	183.05	
07 51 13 00-0253 SQ HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat.....	196.38	
07 51 13 00-0254 SQ Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel.....	170.57	
07 51 13 00-0255 SQ Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	159.26	
07 51 13 00-0256 SQ Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products	20.10	
Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0257 SQ Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	193.24	
07 51 13 00-0258 SQ Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	187.33	
07 51 13 00-0259 LF Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh.....	23.83	
07 51 13 00-0260 SQ Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat.....	250.19	
07 51 13 00-0261 SQ Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	1,433.32	
07 51 13 00-0262 SQ Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ).....	318.95	
07 51 13 00-0263 SQ Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	389.24	
07 51 13 00-0264 SQ Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply.....	144.83	
07 51 13 00-0265 SQ Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System.....	478.22	
07 51 13 00-0266 SQ Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply.....	143.74	
Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		

07 52 Modified Bituminous Membrane Roofing (07 50)

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 11-0001)

07 52 13 11-0003 SQ 80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	216.49
For Up To 10, Add	50.53
For >10 To 20, Add	27.07
For >20 To 40, Add	14.44
For >75 To 100, Deduct	-7.22
For >100 To 200, Deduct	-15.34
For >200, Deduct	-22.56

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 11-0004	SQ		90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	264.20	
			<i>For Up To 10, Add</i>	60.07	
			<i>For >10 To 20, Add</i>	31.84	
			<i>For >20 To 40, Add</i>	16.83	
			<i>For >75 To 100, Deduct</i>	-8.41	
			<i>For >100 To 200, Deduct</i>	-17.73	
			<i>For >200, Deduct</i>	-26.14	
07 52 13 11-0005	SQ		160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	416.53	
			<i>For Up To 10, Add</i>	90.54	
			<i>For >10 To 20, Add</i>	47.08	
			<i>For >20 To 40, Add</i>	24.44	
			<i>For >75 To 100, Deduct</i>	-12.22	
			<i>For >100 To 200, Deduct</i>	-25.35	
			<i>For >200, Deduct</i>	-37.57	
07 52 13 11-0006	SQ		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	419.97	
			<i>For Up To 10, Add</i>	91.91	
			<i>For >10 To 20, Add</i>	47.94	
			<i>For >20 To 40, Add</i>	24.96	
			<i>For >75 To 100, Deduct</i>	-12.48	
			<i>For >100 To 200, Deduct</i>	-25.95	
			<i>For >200, Deduct</i>	-38.43	
07 52 13 11-0007	SQ		160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	299.65	
			<i>For Up To 10, Add</i>	67.85	
			<i>For >10 To 20, Add</i>	35.91	
			<i>For >20 To 40, Add</i>	18.94	
			<i>For >75 To 100, Deduct</i>	-9.47	
			<i>For >100 To 200, Deduct</i>	-19.93	
			<i>For >200, Deduct</i>	-29.40	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 13 11-0008	SQ		160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	347.91	
			<i>For Up To 10, Add</i>	77.50	
			<i>For >10 To 20, Add</i>	40.73	
			<i>For >20 To 40, Add</i>	21.36	
			<i>For >75 To 100, Deduct</i>	-10.68	
			<i>For >100 To 200, Deduct</i>	-22.35	
			<i>For >200, Deduct</i>	-33.02	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 13 11-0009	SQ		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	479.38	
			<i>For Up To 10, Add</i>	103.80	
			<i>For >10 To 20, Add</i>	53.88	
			<i>For >20 To 40, Add</i>	27.93	
			<i>For >75 To 100, Deduct</i>	-13.96	
			<i>For >100 To 200, Deduct</i>	-28.92	
			<i>For >200, Deduct</i>	-42.88	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 13 11-0010			Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing <small>(07 52 13 11-0001)</small>		
07 52 13 11-0011	SF		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	5.96	
07 52 13 11-0012	SF		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	9.21	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 13 13			Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing <small>(07 52 13)</small>		
07 52 13 13-0001			Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing <small>(07 52 13 13)</small>		
			Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 13 13-0002			Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 13 13-0001)</small>		
07 52 13 13-0003	SQ		80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied	155.36	
			<i>For Up To 10, Add</i>	38.30	
			<i>For >10 To 20, Add</i>	20.95	
			<i>For >20 To 40, Add</i>	11.38	
			<i>For >75 To 100, Deduct</i>	-5.69	
			<i>For >100 To 200, Deduct</i>	-12.28	
			<i>For >200, Deduct</i>	-17.97	
07 52 13 13-0004	SQ		90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied	203.07	
			<i>For Up To 10, Add</i>	47.84	
			<i>For >10 To 20, Add</i>	25.73	
			<i>For >20 To 40, Add</i>	13.77	
			<i>For >75 To 100, Deduct</i>	-6.88	
			<i>For >100 To 200, Deduct</i>	-14.67	
			<i>For >200, Deduct</i>	-21.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0005 SQ 150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	243.60	
<i>For Up To 10, Add</i>	59.57	
<i>For >10 To 20, Add</i>	32.50	
<i>For >20 To 40, Add</i>	17.61	
<i>For >75 To 100, Deduct</i>	-8.80	
<i>For >100 To 200, Deduct</i>	-18.96	
<i>For >200, Deduct</i>	-27.76	
07 52 13 13-0006 SQ 160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	255.82	
<i>For Up To 10, Add</i>	62.01	
<i>For >10 To 20, Add</i>	33.72	
<i>For >20 To 40, Add</i>	18.22	
<i>For >75 To 100, Deduct</i>	-9.11	
<i>For >100 To 200, Deduct</i>	-19.57	
<i>For >200, Deduct</i>	-28.68	
07 52 13 13-0007 SQ 180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	354.92	
<i>For Up To 10, Add</i>	81.83	
<i>For >10 To 20, Add</i>	43.63	
<i>For >20 To 40, Add</i>	23.17	
<i>For >75 To 100, Deduct</i>	-11.59	
<i>For >100 To 200, Deduct</i>	-24.53	
<i>For >200, Deduct</i>	-36.11	
07 52 13 13-0008 SQ 150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	243.60	
<i>For Up To 10, Add</i>	59.57	
<i>For >10 To 20, Add</i>	32.50	
<i>For >20 To 40, Add</i>	17.61	
<i>For >75 To 100, Deduct</i>	-8.80	
<i>For >100 To 200, Deduct</i>	-18.96	
<i>For >200, Deduct</i>	-27.76	
07 52 13 13-0009 SQ 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	258.87	
<i>For Up To 10, Add</i>	62.62	
<i>For >10 To 20, Add</i>	34.02	
<i>For >20 To 40, Add</i>	18.37	
<i>For >75 To 100, Deduct</i>	-9.18	
<i>For >100 To 200, Deduct</i>	-19.72	
<i>For >200, Deduct</i>	-28.91	
07 52 13 13-0010 SQ 180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	354.92	
<i>For Up To 10, Add</i>	81.83	
<i>For >10 To 20, Add</i>	43.63	
<i>For >20 To 40, Add</i>	23.17	
<i>For >75 To 100, Deduct</i>	-11.59	
<i>For >100 To 200, Deduct</i>	-24.53	
<i>For >200, Deduct</i>	-36.11	
07 52 13 13-0011 SQ 160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	253.22	
<i>For Up To 10, Add</i>	61.49	
<i>For >10 To 20, Add</i>	33.46	
<i>For >20 To 40, Add</i>	18.09	
<i>For >75 To 100, Deduct</i>	-9.04	
<i>For >100 To 200, Deduct</i>	-19.44	
<i>For >200, Deduct</i>	-28.49	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 13 13-0012 SQ 170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	268.03	
<i>For Up To 10, Add</i>	64.46	
<i>For >10 To 20, Add</i>	34.94	
<i>For >20 To 40, Add</i>	18.83	
<i>For >75 To 100, Deduct</i>	-9.41	
<i>For >100 To 200, Deduct</i>	-20.18	
<i>For >200, Deduct</i>	-29.60	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 13 13-0013 SQ 160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	304.38	
<i>For Up To 10, Add</i>	71.73	
<i>For >10 To 20, Add</i>	38.58	
<i>For >20 To 40, Add</i>	20.64	
<i>For >75 To 100, Deduct</i>	-10.32	
<i>For >100 To 200, Deduct</i>	-22.00	
<i>For >200, Deduct</i>	-32.32	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 13 13-0014 SQ 170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	308.80	
<i>For Up To 10, Add</i>	72.61	
<i>For >10 To 20, Add</i>	39.02	
<i>For >20 To 40, Add</i>	20.87	
<i>For >75 To 100, Deduct</i>	-10.43	
<i>For >100 To 200, Deduct</i>	-22.22	
<i>For >200, Deduct</i>	-32.65	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 13 13-0015 SQ 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	432.95	
<i>For Up To 10, Add</i>	97.44	
<i>For >10 To 20, Add</i>	51.43	
<i>For >20 To 40, Add</i>	27.07	
<i>For >75 To 100, Deduct</i>	-13.54	
<i>For >100 To 200, Deduct</i>	-28.43	
<i>For >200, Deduct</i>	-41.97	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing
Flashing (07 52 13 13-0001)

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0017 SF 150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.51	
07 52 13 13-0018 SF 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.67	
07 52 13 13-0019 SF 180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.63	
07 52 13 13-0020 SF 170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.76	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 13 13-0021 SF 170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.17	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 13 13-0022 SF 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.41	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)		
07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 14)		
Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets (07 52 13 14-0001)		
07 52 13 14-0003 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	232.57	
For Up To 10, Add	50.13	
For >10 To 20, Add	25.97	
For >20 To 40, Add	13.43	
For >75 To 100, Deduct	-6.72	
For >100 To 200, Deduct	-13.89	
For >200, Deduct	-20.60	
07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52)		
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.		
07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		
07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 11)		
Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 11-0001)		
07 52 16 11-0003 SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	169.77	
For Up To 10, Add	41.19	
For >10 To 20, Add	22.40	
For >20 To 40, Add	12.10	
For >75 To 100, Deduct	-6.05	
For >100 To 200, Deduct	-13.01	
For >200, Deduct	-19.06	
07 52 16 11-0004 SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	222.75	
For Up To 10, Add	51.78	
For >10 To 20, Add	27.70	
For >20 To 40, Add	14.75	
For >75 To 100, Deduct	-7.38	
For >100 To 200, Deduct	-15.66	
For >200, Deduct	-23.03	
07 52 16 11-0005 SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	229.58	
For Up To 10, Add	53.15	
For >10 To 20, Add	28.38	
For >20 To 40, Add	15.10	
For >75 To 100, Deduct	-7.55	
For >100 To 200, Deduct	-16.00	
For >200, Deduct	-23.55	
07 52 16 11-0006 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	314.08	
For Up To 10, Add	70.05	
For >10 To 20, Add	36.83	
For >20 To 40, Add	19.32	
For >75 To 100, Deduct	-9.66	
For >100 To 200, Deduct	-20.22	
For >200, Deduct	-29.88	
07 52 16 11-0007 SQ 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied	399.59	
For Up To 10, Add	87.15	
For >10 To 20, Add	45.38	
For >20 To 40, Add	23.60	
For >75 To 100, Deduct	-11.80	
For >100 To 200, Deduct	-24.50	
For >200, Deduct	-36.30	



Thermal And Moisture Protection		07
Membrane Roofing		07 50
Modified Bituminous Membrane Roofing		07 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0008 SQ 140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive		
Applied.....	332.15	
For Up To 10, Add	74.35	
For >10 To 20, Add	39.16	
For >20 To 40, Add	20.57	
For >75 To 100, Deduct	-10.28	
For >100 To 200, Deduct	-21.56	
For >200, Deduct	-31.84	
07 52 16 11-0009 SQ 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive		
Applied.....	341.34	
For Up To 10, Add	76.19	
For >10 To 20, Add	40.07	
For >20 To 40, Add	21.03	
For >75 To 100, Deduct	-10.51	
For >100 To 200, Deduct	-22.02	
For >200, Deduct	-32.53	
07 52 16 11-0010 SQ 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive		
Applied.....	298.28	
For Up To 10, Add	67.58	
For >10 To 20, Add	35.77	
For >20 To 40, Add	18.87	
For >75 To 100, Deduct	-9.44	
For >100 To 200, Deduct	-19.86	
For >200, Deduct	-29.30	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 11-0011 SQ 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive		
Applied.....	302.25	
For Up To 10, Add	68.37	
For >10 To 20, Add	36.17	
For >20 To 40, Add	19.07	
For >75 To 100, Deduct	-9.54	
For >100 To 200, Deduct	-20.06	
For >200, Deduct	-29.60	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 11-0012 SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive		
Applied.....	338.90	
For Up To 10, Add	75.70	
For >10 To 20, Add	39.83	
For >20 To 40, Add	20.91	
For >75 To 100, Deduct	-10.45	
For >100 To 200, Deduct	-21.90	
For >200, Deduct	-32.35	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 11-0013 SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive		
Applied.....	345.00	
For Up To 10, Add	76.92	
For >10 To 20, Add	40.44	
For >20 To 40, Add	21.21	
For >75 To 100, Deduct	-10.61	
For >100 To 200, Deduct	-22.20	
For >200, Deduct	-32.81	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 11-0014 SQ 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive		
Applied.....	398.45	
For Up To 10, Add	87.61	
For >10 To 20, Add	45.79	
For >20 To 40, Add	23.88	
For >75 To 100, Deduct	-11.94	
For >100 To 200, Deduct	-24.87	
For >200, Deduct	-36.81	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 11-0015 SQ 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive		
Applied.....	495.81	
For Up To 10, Add	107.08	
For >10 To 20, Add	55.52	
For >20 To 40, Add	28.75	
For >75 To 100, Deduct	-14.38	
For >100 To 200, Deduct	-29.74	
For >200, Deduct	-44.12	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 11-0016 SQ 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	304.90	
For Up To 10, Add	68.90	
For >10 To 20, Add	36.43	
For >20 To 40, Add	19.21	
For >75 To 100, Deduct	-9.60	
For >100 To 200, Deduct	-20.20	
For >200, Deduct	-29.80	
For Factory Applied White Reflective Surfacing, Add	101.15	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	314.46	
For Up To 10, Add	70.81	
For >10 To 20, Add	37.39	
For >20 To 40, Add	19.68	
For >75 To 100, Deduct	-9.84	
For >100 To 200, Deduct	-20.67	
For >200, Deduct	-30.51	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 11-0018 SQ 150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	366.38	
For Up To 10, Add	81.20	
For >10 To 20, Add	42.58	
For >20 To 40, Add	22.28	
For >75 To 100, Deduct	-11.14	
For >100 To 200, Deduct	-23.27	
For >200, Deduct	-34.41	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 11-0019 SQ 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	367.60	
For Up To 10, Add	81.44	
For >10 To 20, Add	42.70	
For >20 To 40, Add	22.34	
For >75 To 100, Deduct	-11.17	
For >100 To 200, Deduct	-23.33	
For >200, Deduct	-34.50	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 11-0020 SQ 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	390.81	
For Up To 10, Add	86.08	
For >10 To 20, Add	45.02	
For >20 To 40, Add	23.50	
For >75 To 100, Deduct	-11.75	
For >100 To 200, Deduct	-24.49	
For >200, Deduct	-36.24	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing <small>(07 52 16 11-0001)</small>		
07 52 16 11-0022 SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.17	
07 52 16 11-0023 SF 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.74	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 11-0024 SF 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.78	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 11-0025 SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.21	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 11-0026 SF 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.74	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 11-0027 SF 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.72	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 11-0028 SF 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.81	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 11-0029 SF 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.90	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 11-0030 SF 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.44	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 11-0031 SF 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.67	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 11-0032 SF 145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	7.57	
07 52 16 11-0033 SF 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	14.43	
07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16)</small>		
07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 12)</small>		
Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.		
07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 12-0001)</small>		



Thermal And Moisture Protection		07
Membrane Roofing		07 50
Modified Bituminous Membrane Roofing		07 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0003 SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	138.65	
For Up To 10, Add	35.10	
For >10 To 20, Add	19.39	
For >20 To 40, Add	10.62	
For >75 To 100, Deduct	-5.31	
For >100 To 200, Deduct	-11.54	
For >200, Deduct	-16.85	
07 52 16 12-0004 SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	191.62	
For Up To 10, Add	45.69	
For >10 To 20, Add	24.69	
For >20 To 40, Add	13.27	
For >75 To 100, Deduct	-6.63	
For >100 To 200, Deduct	-14.19	
For >200, Deduct	-20.82	
07 52 16 12-0005 SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	198.45	
For Up To 10, Add	47.06	
For >10 To 20, Add	25.37	
For >20 To 40, Add	13.61	
For >75 To 100, Deduct	-6.80	
For >100 To 200, Deduct	-14.53	
For >200, Deduct	-21.33	
07 52 16 12-0006 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped	282.95	
For Up To 10, Add	63.96	
For >10 To 20, Add	33.82	
For >20 To 40, Add	17.83	
For >75 To 100, Deduct	-8.92	
For >100 To 200, Deduct	-18.75	
For >200, Deduct	-27.67	
07 52 16 12-0007 SQ 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped	368.46	
For Up To 10, Add	81.06	
For >10 To 20, Add	42.37	
For >20 To 40, Add	22.11	
For >75 To 100, Deduct	-11.05	
For >100 To 200, Deduct	-23.03	
For >200, Deduct	-34.08	
07 52 16 12-0008 SQ 140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	301.08	
For Up To 10, Add	68.29	
For >10 To 20, Add	36.16	
For >20 To 40, Add	19.09	
For >75 To 100, Deduct	-9.54	
For >100 To 200, Deduct	-20.10	
For >200, Deduct	-29.64	
07 52 16 12-0009 SQ 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	310.27	
For Up To 10, Add	70.12	
For >10 To 20, Add	37.08	
For >20 To 40, Add	19.55	
For >75 To 100, Deduct	-9.77	
For >100 To 200, Deduct	-20.56	
For >200, Deduct	-30.33	
07 52 16 12-0010 SQ 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	267.21	
For Up To 10, Add	61.51	
For >10 To 20, Add	32.77	
For >20 To 40, Add	17.40	
For >75 To 100, Deduct	-8.70	
For >100 To 200, Deduct	-18.40	
For >200, Deduct	-27.10	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 12-0011 SQ 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	271.18	
For Up To 10, Add	62.31	
For >10 To 20, Add	33.17	
For >20 To 40, Add	17.59	
For >75 To 100, Deduct	-8.80	
For >100 To 200, Deduct	-18.60	
For >200, Deduct	-27.40	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 12-0012 SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	307.83	
For Up To 10, Add	69.64	
For >10 To 20, Add	36.84	
For >20 To 40, Add	19.43	
For >75 To 100, Deduct	-9.71	
For >100 To 200, Deduct	-20.44	
For >200, Deduct	-30.15	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 12-0013 SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	313.94	
For Up To 10, Add	70.86	
For >10 To 20, Add	37.45	
For >20 To 40, Add	19.73	
For >75 To 100, Deduct	-9.87	
For >100 To 200, Deduct	-20.74	
For >200, Deduct	-30.61	
For Factory Applied White Reflective Surfacing, Add	101.15	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0014 SQ 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	367.38	
For Up To 10, Add	81.55	
For >10 To 20, Add	42.79	
For >20 To 40, Add	22.40	
For >75 To 100, Deduct	-11.20	
For >100 To 200, Deduct	-23.41	
For >200, Deduct	-34.61	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 12-0015 SQ 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	464.74	
For Up To 10, Add	101.02	
For >10 To 20, Add	52.53	
For >20 To 40, Add	27.27	
For >75 To 100, Deduct	-13.64	
For >100 To 200, Deduct	-28.28	
For >200, Deduct	-41.92	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 12-0016 SQ 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	273.84	
For Up To 10, Add	62.84	
For >10 To 20, Add	33.44	
For >20 To 40, Add	17.73	
For >75 To 100, Deduct	-8.86	
For >100 To 200, Deduct	-18.74	
For >200, Deduct	-27.60	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 12-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	283.40	
For Up To 10, Add	64.75	
For >10 To 20, Add	34.39	
For >20 To 40, Add	18.21	
For >75 To 100, Deduct	-9.10	
For >100 To 200, Deduct	-19.21	
For >200, Deduct	-28.32	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 12-0018 SQ 150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	335.31	
For Up To 10, Add	75.13	
For >10 To 20, Add	39.58	
For >20 To 40, Add	20.80	
For >75 To 100, Deduct	-10.40	
For >100 To 200, Deduct	-21.81	
For >200, Deduct	-32.21	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 12-0019 SQ 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	336.54	
For Up To 10, Add	75.38	
For >10 To 20, Add	39.71	
For >20 To 40, Add	20.86	
For >75 To 100, Deduct	-10.43	
For >100 To 200, Deduct	-21.87	
For >200, Deduct	-32.30	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 12-0020 SQ 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	359.75	
For Up To 10, Add	80.02	
For >10 To 20, Add	42.03	
For >20 To 40, Add	22.02	
For >75 To 100, Deduct	-11.01	
For >100 To 200, Deduct	-23.03	
For >200, Deduct	-34.04	
For Factory Applied White Reflective Surfacing, Add	101.15	
07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing <small>(07 52 16 12-0001)</small>		
07 52 16 12-0022 SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.00	
07 52 16 12-0023 SF 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.57	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 12-0024 SF 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.61	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 12-0025 SF 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.97	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 12-0026 SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.03	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 12-0027 SF 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.57	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 12-0028 SF 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.54	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 12-0029 SF 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.63	
For Factory Applied White Reflective Surfacing, Add	1.01	
07 52 16 12-0030 SF 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	4.73	
For Factory Applied White Reflective Surfacing, Add	1.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0031 SF 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	5.16	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 12-0032 SF 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	5.49	
<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 12-0033 SF 145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	7.39	
07 52 16 12-0034 SF 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	14.26	
 07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		
07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 13) Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 16 13-0002 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 13-0001)		
07 52 16 13-0003 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	286.36	
<i>For Up To 10, Add</i>	68.12	
<i>For >10 To 20, Add</i>	36.77	
<i>For >20 To 40, Add</i>	19.74	
<i>For >75 To 100, Deduct</i>	-9.87	
<i>For >100 To 200, Deduct</i>	-21.10	
<i>For >200, Deduct</i>	-30.97	
07 52 16 13-0004 SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	256.73	
<i>For Up To 10, Add</i>	62.20	
<i>For >10 To 20, Add</i>	33.81	
<i>For >20 To 40, Add</i>	18.26	
<i>For >75 To 100, Deduct</i>	-9.13	
<i>For >100 To 200, Deduct</i>	-19.62	
<i>For >200, Deduct</i>	-28.75	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 13-0005 SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	291.55	
<i>For Up To 10, Add</i>	69.16	
<i>For >10 To 20, Add</i>	37.29	
<i>For >20 To 40, Add</i>	20.00	
<i>For >75 To 100, Deduct</i>	-10.00	
<i>For >100 To 200, Deduct</i>	-21.36	
<i>For >200, Deduct</i>	-31.36	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 13-0006 SQ 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	449.38	
<i>For Up To 10, Add</i>	100.73	
<i>For >10 To 20, Add</i>	53.08	
<i>For >20 To 40, Add</i>	27.89	
<i>For >75 To 100, Deduct</i>	-13.95	
<i>For >100 To 200, Deduct</i>	-29.25	
<i>For >200, Deduct</i>	-43.20	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 13-0007 SQ 150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	266.69	
<i>For Up To 10, Add</i>	64.19	
<i>For >10 To 20, Add</i>	34.81	
<i>For >20 To 40, Add</i>	18.76	
<i>For >75 To 100, Deduct</i>	-9.38	
<i>For >100 To 200, Deduct</i>	-20.12	
<i>For >200, Deduct</i>	-29.50	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 13-0008 SQ 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	307.74	
<i>For Up To 10, Add</i>	72.40	
<i>For >10 To 20, Add</i>	38.91	
<i>For >20 To 40, Add</i>	20.81	
<i>For >75 To 100, Deduct</i>	-10.41	
<i>For >100 To 200, Deduct</i>	-22.17	
<i>For >200, Deduct</i>	-32.57	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 13-0009 SQ 165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	320.97	
<i>For Up To 10, Add</i>	75.25	
<i>For >10 To 20, Add</i>	40.39	
<i>For >20 To 40, Add</i>	21.58	
<i>For >75 To 100, Deduct</i>	-10.79	
<i>For >100 To 200, Deduct</i>	-22.96	
<i>For >200, Deduct</i>	-33.75	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 13-0010 SQ 180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	416.78	
<i>For Up To 10, Add</i>	94.41	
<i>For >10 To 20, Add</i>	49.97	
<i>For >20 To 40, Add</i>	26.37	
<i>For >75 To 100, Deduct</i>	-13.18	
<i>For >100 To 200, Deduct</i>	-27.75	
<i>For >200, Deduct</i>	-40.93	
<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 16 13-0011	Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing <small>(07 52 16 13-0001)</small>		
07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.03
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.00
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.57
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.19
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.28
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	5.24
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.45
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	13.29

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 14-0001	Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 14)</small>		
		Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.	
07 52 16 14-0002	Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets <small>(07 52 16 14-0001)</small>		
07 52 16 14-0003	SQ	35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened	179.94
		<i>For Up To 10, Add</i>	39.60
		<i>For >10 To 20, Add</i>	20.70
		<i>For >20 To 40, Add</i>	10.80
		<i>For >75 To 100, Deduct</i>	-5.40
		<i>For >100 To 200, Deduct</i>	-11.25
		<i>For >200, Deduct</i>	-16.66
07 52 16 14-0004	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	138.15
		<i>For Up To 10, Add</i>	31.24
		<i>For >10 To 20, Add</i>	16.52
		<i>For >20 To 40, Add</i>	8.71
		<i>For >75 To 100, Deduct</i>	-4.36
		<i>For >100 To 200, Deduct</i>	-9.17
		<i>For >200, Deduct</i>	-13.52
07 52 16 14-0005	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	179.28
		<i>For Up To 10, Add</i>	39.47
		<i>For >10 To 20, Add</i>	20.64
		<i>For >20 To 40, Add</i>	10.77
		<i>For >75 To 100, Deduct</i>	-5.39
		<i>For >100 To 200, Deduct</i>	-11.22
		<i>For >200, Deduct</i>	-16.61
07 52 16 14-0006	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	224.73
		<i>For Up To 10, Add</i>	48.56
		<i>For >10 To 20, Add</i>	25.18
		<i>For >20 To 40, Add</i>	13.04
		<i>For >75 To 100, Deduct</i>	-6.52
		<i>For >100 To 200, Deduct</i>	-13.49
		<i>For >200, Deduct</i>	-20.02
07 52 16 14-0007	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	282.45
		<i>For Up To 10, Add</i>	60.10
		<i>For >10 To 20, Add</i>	30.95
		<i>For >20 To 40, Add</i>	15.93
		<i>For >75 To 100, Deduct</i>	-7.96
		<i>For >100 To 200, Deduct</i>	-16.38
		<i>For >200, Deduct</i>	-24.34

07 52 16 14-0008 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 14-0001)

07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened.....	3.50
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	3.58

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 15-0001	Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 15)</small>		
		Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.	



Thermal And Moisture Protection		07
Membrane Roofing		07 50
Modified Bituminous Membrane Roofing		07 52

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

07 52 16 15-0002 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 15-0001)

07 52 16 15-0003	SQ 60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering.....	143.75	
	<i>For Up To 10, Add</i>	33.09	
	<i>For >10 To 20, Add</i>	17.63	
	<i>For >20 To 40, Add</i>	9.36	
	<i>For >75 To 100, Deduct</i>	-4.68	
	<i>For >100 To 200, Deduct</i>	-9.90	
	<i>For >200, Deduct</i>	-14.58	
07 52 16 15-0004	SQ 70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering.....	152.41	
	<i>For Up To 10, Add</i>	34.82	
	<i>For >10 To 20, Add</i>	18.50	
	<i>For >20 To 40, Add</i>	9.79	
	<i>For >75 To 100, Deduct</i>	-4.90	
	<i>For >100 To 200, Deduct</i>	-10.33	
	<i>For >200, Deduct</i>	-15.23	
07 52 16 15-0005	SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering.....	258.11	
	<i>For Up To 10, Add</i>	56.29	
	<i>For >10 To 20, Add</i>	29.31	
	<i>For >20 To 40, Add</i>	15.24	
	<i>For >75 To 100, Deduct</i>	-7.62	
	<i>For >100 To 200, Deduct</i>	-15.82	
	<i>For >200, Deduct</i>	-23.44	
07 52 16 15-0006	SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering.....	308.87	
	<i>For Up To 10, Add</i>	66.44	
	<i>For >10 To 20, Add</i>	34.39	
	<i>For >20 To 40, Add</i>	17.78	
	<i>For >75 To 100, Deduct</i>	-8.89	
	<i>For >100 To 200, Deduct</i>	-18.36	
	<i>For >200, Deduct</i>	-27.25	
	<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	
07 52 16 15-0007	SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering.....	458.82	
	<i>For Up To 10, Add</i>	96.37	
	<i>For >10 To 20, Add</i>	49.35	
	<i>For >20 To 40, Add</i>	25.26	
	<i>For >75 To 100, Deduct</i>	-12.63	
	<i>For >100 To 200, Deduct</i>	-25.84	
	<i>For >200, Deduct</i>	-38.47	
	<i>For Factory Applied White Reflective Surfacing, Add</i>	101.15	

07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 15-0001)

07 52 16 15-0009	SF 70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	3.98	
07 52 16 15-0010	SF 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	4.48	
	<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	
07 52 16 15-0011	SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	5.97	
	<i>For Factory Applied White Reflective Surfacing, Add</i>	1.01	

07 53 Elastomeric Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing (07 53)

07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes (07 53 16)

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered.....	556.74	86.79
	Note: Includes adhesive.		
	<i>For Up To 10, Add</i>	146.06	
	<i>For >10 To 20, Add</i>	81.71	
	<i>For >20 To 40, Add</i>	45.20	
	<i>For >75 To 100, Deduct</i>	-22.60	
	<i>For >100 To 200, Deduct</i>	-49.53	
	<i>For >200, Deduct</i>	-72.13	
	<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0003	SQ 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted.....	420.82	43.40
	Note: Includes ballast.		
	<i>For Up To 10, Add</i>	101.52	
	<i>For >10 To 20, Add</i>	55.10	
	<i>For >20 To 40, Add</i>	29.72	
	<i>For >75 To 100, Deduct</i>	-14.86	
	<i>For >100 To 200, Deduct</i>	-31.89	
	<i>For >200, Deduct</i>	-46.75	
	<i>For 15 Year Warranty, Add</i>	3.00	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 16 00-0004	SQ		45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened.....	449.02	65.09
			Note: Includes fasteners.		
			<i>For Up To 10, Add</i>	115.84	
			<i>For >10 To 20, Add</i>	64.43	
			<i>For >20 To 40, Add</i>	35.47	
			<i>For >75 To 100, Deduct</i>	-17.74	
			<i>For >100 To 200, Deduct</i>	-38.72	
			<i>For >200, Deduct</i>	-56.46	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For Mechanically Fastened To Concrete Decks, Add</i>	32.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	33.78	
07 53 23			Ethylene-Propylene-Diene-Monomer Roofing (07 53)		
07 53 23 00-0001			Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes (07 53 23)		
			Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).		
07 53 23 00-0002	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	263.08	43.40
			Note: Includes ballast.		
			<i>For Up To 10, Add</i>	69.97	
			<i>For >10 To 20, Add</i>	39.33	
			<i>For >20 To 40, Add</i>	21.83	
			<i>For >75 To 100, Deduct</i>	-10.92	
			<i>For >100 To 200, Deduct</i>	-24.00	
			<i>For >200, Deduct</i>	-34.92	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For Low Slope Fire Rated, Add</i>	8.13	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
07 53 23 00-0003	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	336.57	46.11
			Note: Includes ballast.		
			<i>For Up To 10, Add</i>	85.76	
			<i>For >10 To 20, Add</i>	47.49	
			<i>For >20 To 40, Add</i>	26.05	
			<i>For >75 To 100, Deduct</i>	-13.02	
			<i>For >100 To 200, Deduct</i>	-28.35	
			<i>For >200, Deduct</i>	-41.38	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	8.13	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
07 53 23 00-0004	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	449.13	48.82
			Note: Includes ballast.		
			<i>For Up To 10, Add</i>	109.35	
			<i>For >10 To 20, Add</i>	59.56	
			<i>For >20 To 40, Add</i>	32.22	
			<i>For >75 To 100, Deduct</i>	-16.11	
			<i>For >100 To 200, Deduct</i>	-34.66	
			<i>For >200, Deduct</i>	-50.77	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	8.13	
07 53 23 00-0005	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	313.61	65.09
			Note: Includes adhesive and fasteners.		
			<i>For Up To 10, Add</i>	88.76	
			<i>For >10 To 20, Add</i>	50.89	
			<i>For >20 To 40, Add</i>	28.70	
			<i>For >75 To 100, Deduct</i>	-14.35	
			<i>For >100 To 200, Deduct</i>	-31.95	
			<i>For >200, Deduct</i>	-46.30	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For Low Slope Fire Rated, Add</i>	8.13	
			<i>For Low VOC Adhesive, Add</i>	33.16	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
			<i>For Integral Polyester Fleece-Backing, Add</i>	111.39	
07 53 23 00-0006	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	387.10	67.80
			Note: Includes adhesive and fasteners.		
			<i>For Up To 10, Add</i>	104.54	
			<i>For >10 To 20, Add</i>	59.05	
			<i>For >20 To 40, Add</i>	32.92	
			<i>For >75 To 100, Deduct</i>	-16.46	
			<i>For >100 To 200, Deduct</i>	-36.31	
			<i>For >200, Deduct</i>	-52.76	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	8.13	
			<i>For Low VOC Adhesive, Add</i>	33.16	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
			<i>For Integral Polyester Fleece-Backing, Add</i>	123.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0007 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	499.66	70.51
Note: Includes adhesive and fasteners.		
<i>For Up To 10, Add</i>	128.14	
<i>For >10 To 20, Add</i>	71.12	
<i>For >20 To 40, Add</i>	39.09	
<i>For >75 To 100, Deduct</i>	-19.54	
<i>For >100 To 200, Deduct</i>	-42.61	
<i>For >200, Deduct</i>	-62.16	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	
<i>For Low Slope Fire Rated, Add</i>	8.13	
<i>For Low VOC Adhesive, Add</i>	33.16	
<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
<i>For Integral Polyester Fleece-Backing, Add</i>	136.31	
07 53 23 00-0008 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	414.28	86.79
Note: Includes adhesive and fasteners.		
<i>For Up To 10, Add</i>	117.57	
<i>For >10 To 20, Add</i>	67.47	
<i>For >20 To 40, Add</i>	38.07	
<i>For >75 To 100, Deduct</i>	-19.04	
<i>For >100 To 200, Deduct</i>	-42.41	
<i>For >200, Deduct</i>	-61.45	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For Low Slope Fire Rated, Add</i>	8.13	
<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
<i>For Low VOC Adhesive, Add</i>	82.91	
<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
<i>For Integral Polyester Fleece-Backing, Add</i>	111.39	
07 53 23 00-0009 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	487.77	89.50
Note: Includes adhesive and fasteners.		
<i>For Up To 10, Add</i>	133.35	
<i>For >10 To 20, Add</i>	75.63	
<i>For >20 To 40, Add</i>	42.29	
<i>For >75 To 100, Deduct</i>	-21.14	
<i>For >100 To 200, Deduct</i>	-46.76	
<i>For >200, Deduct</i>	-67.91	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	
<i>For Low Slope Fire Rated, Add</i>	8.13	
<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
<i>For Low VOC Adhesive, Add</i>	82.91	
<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
<i>For Integral Polyester Fleece-Backing, Add</i>	123.31	
07 53 23 00-0010 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	600.33	92.21
Note: Includes adhesive and fasteners.		
<i>For Up To 10, Add</i>	156.95	
<i>For >10 To 20, Add</i>	87.70	
<i>For >20 To 40, Add</i>	48.46	
<i>For >75 To 100, Deduct</i>	-24.23	
<i>For >100 To 200, Deduct</i>	-53.07	
<i>For >200, Deduct</i>	-77.30	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	
<i>For Low Slope Fire Rated, Add</i>	8.13	
<i>For Low VOC Adhesive, Add</i>	82.91	
<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
<i>For Integral Polyester Fleece-Backing, Add</i>	136.31	
07 53 23 00-0011 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	291.06	65.09
Note: Includes fasteners.		
<i>For Up To 10, Add</i>	84.25	
<i>For >10 To 20, Add</i>	48.63	
<i>For >20 To 40, Add</i>	27.57	
<i>For >75 To 100, Deduct</i>	-13.79	
<i>For >100 To 200, Deduct</i>	-30.83	
<i>For >200, Deduct</i>	-44.61	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For Low Slope Fire Rated, Add</i>	8.13	
<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	23.91	
<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	77.55	
<i>For Mechanically Fastened To Concrete Decks, Add</i>	32.55	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	33.78	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0012	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....364.55	364.55	67.80
			Note: Includes fasteners.		
			For Up To 10, Add	100.03	
			For >10 To 20, Add	56.80	
			For >20 To 40, Add	31.79	
			For >75 To 100, Deduct	-15.89	
			For >100 To 200, Deduct	-35.18	
			For >200, Deduct	-51.07	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.13	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	23.91	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	77.55	
			For Mechanically Fastened To Concrete Decks, Add	33.90	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	35.13	
07 53 23 00-0013	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....477.10	477.10	70.51
			Note: Includes fasteners.		
			For Up To 10, Add	123.63	
			For >10 To 20, Add	68.87	
			For >20 To 40, Add	37.96	
			For >75 To 100, Deduct	-18.98	
			For >100 To 200, Deduct	-41.49	
			For >200, Deduct	-60.46	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.13	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	77.55	
			For Mechanically Fastened To Concrete Decks, Add	35.26	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	36.49	
07 53 23 00-0014			Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories <small>(07 53 23)</small>		
07 53 23 00-0015	SQ		Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat .....69.25	69.25	
			For Up To 10, Add	18.19	
			For >10 To 20, Add	10.18	
			For >20 To 40, Add	5.63	
			For >75 To 100, Deduct	-2.82	
			For >100 To 200, Deduct	-6.18	
			For >200, Deduct	-8.99	
07 53 23 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat.....71.62	71.62	
			Note: 55% solids by volume.		
			For Up To 10, Add	18.66	
			For >10 To 20, Add	10.42	
			For >20 To 40, Add	5.75	
			For >75 To 100, Deduct	-2.88	
			For >100 To 200, Deduct	-6.29	
			For >200, Deduct	-9.17	
07 53 23 00-0017	EA		Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....43.70	43.70	10.31
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018	EA		>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot .....62.46	62.46	10.31
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019	EA		>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot .....116.61	116.61	10.31
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020	EA		6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket.....154.60	154.60	11.39
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021	LF		30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad.....33.94	33.94	6.29
			Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing .....6.46	6.46	1.62
07 53 23 00-0023	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing .....8.08	8.08	2.44
07 53 29			Polyisobutylene Roofing <small>(07 53)</small>		
07 53 29 00-0001			Polyisobutylene (PIB) Roofing Membranes <small>(07 53 29)</small>		
			Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.		
07 53 29 00-0002	SQ		100 Mil, Single Ply PIB Roofing Membrane, Ballasted.....502.68	502.68	48.82
			Note: Includes ballast.		
			For Up To 10, Add	120.06	
			For >10 To 20, Add	64.91	
			For >20 To 40, Add	34.90	
			For >75 To 100, Deduct	-17.45	
			For >100 To 200, Deduct	-37.34	
			For >200, Deduct	-54.79	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 29 00-0003 SQ 100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%).....	561.72	70.51
Note: Includes adhesive.		
For Up To 10, Add	140.55	
For >10 To 20, Add	77.33	
For >20 To 40, Add	42.19	
For >75 To 100, Deduct	-21.10	
For >100 To 200, Deduct	-45.72	
For >200, Deduct	-66.81	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
07 53 29 00-0004 SQ 100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered	675.16	92.21
Note: Includes adhesive.		
For Up To 10, Add	171.92	
For >10 To 20, Add	95.18	
For >20 To 40, Add	52.20	
For >75 To 100, Deduct	-26.10	
For >100 To 200, Deduct	-56.81	
For >200, Deduct	-82.91	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	

07 54 Thermoplastic Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing (07 54)

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (07 54 19)

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	235.38	43.40
Note: Includes ballast.		
For Up To 10, Add	64.43	
For >10 To 20, Add	36.56	
For >20 To 40, Add	20.45	
For >75 To 100, Deduct	-10.22	
For >100 To 200, Deduct	-22.62	
For >200, Deduct	-32.84	
For 15 Year Warranty, Add	3.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	44.86	
07 54 19 00-0003 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	264.26	46.11
Note: Includes ballast.		
For Up To 10, Add	71.29	
For >10 To 20, Add	40.26	
For >20 To 40, Add	22.43	
For >75 To 100, Deduct	-11.22	
For >100 To 200, Deduct	-24.74	
For >200, Deduct	-35.96	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	44.86	
07 54 19 00-0004 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	296.95	47.46
Note: Includes ballast.		
For Up To 10, Add	78.37	
For >10 To 20, Add	43.93	
For >20 To 40, Add	24.34	
For >75 To 100, Deduct	-12.17	
For >100 To 200, Deduct	-26.71	
For >200, Deduct	-38.88	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	44.86	
07 54 19 00-0005 SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	312.70	48.82
Note: Includes ballast.		
For Up To 10, Add	82.07	
For >10 To 20, Add	45.92	
For >20 To 40, Add	25.40	
For >75 To 100, Deduct	-12.70	
For >100 To 200, Deduct	-27.84	
For >200, Deduct	-40.54	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	44.86	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0006	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	390.52	86.79
			Note: Includes adhesive.		
			For Up To 10, Add	112.82	
			For >10 To 20, Add	65.09	
			For >20 To 40, Add	36.88	
			For >75 To 100, Deduct	-18.44	
			For >100 To 200, Deduct	-41.22	
			For >200, Deduct	-59.67	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	54.07	
			For Integral Polyester Fleece-Backing, Add	44.86	
07 54 19 00-0007	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	419.40	89.50
			Note: Includes adhesive.		
			For Up To 10, Add	119.68	
			For >10 To 20, Add	68.79	
			For >20 To 40, Add	38.87	
			For >75 To 100, Deduct	-19.44	
			For >100 To 200, Deduct	-43.35	
			For >200, Deduct	-62.78	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	54.07	
			For Integral Polyester Fleece-Backing, Add	44.86	
07 54 19 00-0008	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	452.09	90.86
			Note: Includes adhesive.		
			For Up To 10, Add	126.76	
			For >10 To 20, Add	72.47	
			For >20 To 40, Add	40.78	
			For >75 To 100, Deduct	-20.39	
			For >100 To 200, Deduct	-45.32	
			For >200, Deduct	-65.71	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	54.07	
			For Integral Polyester Fleece-Backing, Add	44.86	
07 54 19 00-0009	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	467.85	92.21
			Note: Includes adhesive.		
			For Up To 10, Add	130.46	
			For >10 To 20, Add	74.45	
			For >20 To 40, Add	41.84	
			For >75 To 100, Deduct	-20.92	
			For >100 To 200, Deduct	-46.45	
			For >200, Deduct	-67.36	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	54.07	
			For Integral Polyester Fleece-Backing, Add	44.86	
07 54 19 00-0010	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	255.65	65.09
			Note: Includes fasteners.		
			For Up To 10, Add	77.17	
			For >10 To 20, Add	45.09	
			For >20 To 40, Add	25.80	
			For >75 To 100, Deduct	-12.90	
			For >100 To 200, Deduct	-29.06	
			For >200, Deduct	-41.96	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	44.86	
			For Mechanically Fastened To Concrete Decks, Add	32.55	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	33.78	
07 54 19 00-0011	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	284.53	67.80
			Note: Includes fasteners.		
			For Up To 10, Add	84.03	
			For >10 To 20, Add	48.79	
			For >20 To 40, Add	27.79	
			For >75 To 100, Deduct	-13.89	
			For >100 To 200, Deduct	-31.18	
			For >200, Deduct	-45.07	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	44.86	
			For Mechanically Fastened To Concrete Decks, Add	33.90	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	35.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0012 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	317.22	69.16
Note: Includes fasteners.		
For Up To 10, Add	91.11	
For >10 To 20, Add	52.47	
For >20 To 40, Add	29.69	
For >75 To 100, Deduct	-14.85	
For >100 To 200, Deduct	-33.15	
For >200, Deduct	-48.00	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	44.86	
For Mechanically Fastened To Concrete Decks, Add	34.58	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	35.81	
07 54 19 00-0013 SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	332.97	70.51
Note: Includes fasteners.		
For Up To 10, Add	94.80	
For >10 To 20, Add	54.45	
For >20 To 40, Add	30.75	
For >75 To 100, Deduct	-15.38	
For >100 To 200, Deduct	-34.28	
For >200, Deduct	-49.65	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	44.86	
For Mechanically Fastened To Concrete Decks, Add	35.26	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	36.49	
07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)		
07 54 19 00-0015 SQ Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat.....	69.25	
For Up To 10, Add	18.19	
For >10 To 20, Add	10.18	
For >20 To 40, Add	5.63	
For >75 To 100, Deduct	-2.82	
For >100 To 200, Deduct	-6.18	
For >200, Deduct	-8.99	
07 54 19 00-0016 SQ Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....	71.62	
Note: 55% solids by volume.		
For Up To 10, Add	18.66	
For >10 To 20, Add	10.42	
For >20 To 40, Add	5.75	
For >75 To 100, Deduct	-2.88	
For >100 To 200, Deduct	-6.29	
For >200, Deduct	-9.17	
07 54 19 00-0017 EA Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	72.26	9.22
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0018 EA >3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	101.39	10.31
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0019 EA >7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	129.65	11.39
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0020 EA 6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket	164.89	11.39
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 19 00-0021 LF 36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad.....	29.10	6.29
07 54 19 00-0022 SF Polyvinyl Chloride (PVC) Membrane Base Flashing	7.68	1.62
07 54 19 00-0023 SF Polyvinyl Chloride (PVC) Membrane Curb Flashing	9.30	2.44
07 54 19 00-0024 SF Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing.....	10.37	1.62
Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		

07 54 23 Thermoplastic-Polyolefin Roofing (07 54)

07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)

07 54 23 00-0002 SQ 45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	348.71	86.79
Note: Includes adhesive.		
For Up To 10, Add	104.46	
For >10 To 20, Add	60.91	
For >20 To 40, Add	34.79	
For >75 To 100, Deduct	-17.40	
For >100 To 200, Deduct	-39.13	
For >200, Deduct	-56.53	
For 15 Year Warranty, Add	3.00	
For Low VOC Adhesive, Add	82.91	
For Integral Polyester Fleece-Backing, Add	33.25	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0003	SQ		50 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	363.21	88.15
			Note: Includes adhesive.		
			For Up To 10, Add	107.90	
			For >10 To 20, Add	62.76	
			For >20 To 40, Add	35.79	
			For >75 To 100, Deduct	-17.89	
			For >100 To 200, Deduct	-40.20	
			For >200, Deduct	-58.09	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	82.91	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ		60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	371.18	89.50
			Note: Includes adhesive.		
			For Up To 10, Add	110.04	
			For >10 To 20, Add	63.97	
			For >20 To 40, Add	36.46	
			For >75 To 100, Deduct	-18.23	
			For >100 To 200, Deduct	-40.93	
			For >200, Deduct	-59.16	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	82.91	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0005	SQ		80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	464.20	92.21
			Note: Includes adhesive.		
			For Up To 10, Add	129.73	
			For >10 To 20, Add	74.08	
			For >20 To 40, Add	41.65	
			For >75 To 100, Deduct	-20.83	
			For >100 To 200, Deduct	-46.26	
			For >200, Deduct	-67.09	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	82.91	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0006	SQ		45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	239.40	65.09
			Note: Includes fasteners.		
			For Up To 10, Add	73.92	
			For >10 To 20, Add	43.47	
			For >20 To 40, Add	24.99	
			For >75 To 100, Deduct	-12.49	
			For >100 To 200, Deduct	-28.24	
			For >200, Deduct	-40.74	
			For 15 Year Warranty, Add	3.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	32.55	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	33.78	
07 54 23 00-0007	SQ		50 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	253.90	66.45
			Note: Includes fasteners.		
			For Up To 10, Add	77.36	
			For >10 To 20, Add	45.33	
			For >20 To 40, Add	25.99	
			For >75 To 100, Deduct	-12.99	
			For >100 To 200, Deduct	-29.31	
			For >200, Deduct	-42.30	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	33.23	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	34.46	
07 54 23 00-0008	SQ		60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	261.87	67.80
			Note: Includes fasteners.		
			For Up To 10, Add	79.50	
			For >10 To 20, Add	46.53	
			For >20 To 40, Add	26.65	
			For >75 To 100, Deduct	-13.33	
			For >100 To 200, Deduct	-30.04	
			For >200, Deduct	-43.37	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	33.90	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	35.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0009 SQ 80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	354.89	70.51
<i>For Up To 10, Add</i>	99.19	
<i>For >10 To 20, Add</i>	56.65	
<i>For >20 To 40, Add</i>	31.85	
<i>For >75 To 100, Deduct</i>	-15.92	
<i>For >100 To 200, Deduct</i>	-35.37	
<i>For >200, Deduct</i>	-51.30	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	7.00	
<i>For 25 Year Warranty, Add</i>	9.00	
<i>For Integral Polyester Fleece-Backing, Add</i>	33.25	
<i>For Mechanically Fastened To Concrete Decks, Add</i>	35.26	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	36.49	
07 54 23 00-0010 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)		
07 54 23 00-0011 SQ Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat.....	82.32	
<i>For Up To 10, Add</i>	20.80	
<i>For >10 To 20, Add</i>	11.49	
<i>For >20 To 40, Add</i>	6.29	
<i>For >75 To 100, Deduct</i>	-3.14	
<i>For >100 To 200, Deduct</i>	-6.83	
<i>For >200, Deduct</i>	-9.97	
07 54 23 00-0012 SQ Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat.....	71.62	
Note: 55% solids by volume.		
<i>For Up To 10, Add</i>	18.66	
<i>For >10 To 20, Add</i>	10.42	
<i>For >20 To 40, Add</i>	5.75	
<i>For >75 To 100, Deduct</i>	-2.88	
<i>For >100 To 200, Deduct</i>	-6.29	
<i>For >200, Deduct</i>	-9.17	
<i>For Tan Or Gray Color, Add</i>	2.50	
07 54 23 00-0013 EA Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot.....	62.27	9.22
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0014 EA >3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot.....	67.23	10.31
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0015 EA 6" Diameter, Prefabricated TPO Penetration Pocket.....	123.29	11.39
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0016 LF 30" Wide, TPO Walkway Protection Pad.....	28.74	6.29
07 54 23 00-0017 SF Thermoplastic Polyolefin Membrane Base Flashing.....	8.02	1.62
07 54 23 00-0018 SF Thermoplastic Polyolefin Curb Flashing.....	6.93	1.62
<i>For Tan Or Gray Color, Add</i>	0.10	
07 54 23 00-0019 SF Thermoplastic Polyolefin Clad Edge Metal Or Base Flashing.....	11.74	1.62
Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.		
07 56 Fluid-Applied Roofing (07 50)		
07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)		
07 56 00 00-0002 SQ 60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing.....	1,035.86	144.38
<i>For Each Additional Coat, Add</i>	155.38	
07 56 00 00-0003 Vinyl Spray Liquid Roofing (07 56)		
07 56 00 00-0004 SQ 2 Mil Vinyl Liquid Roofing.....	1,079.92	152.15
07 56 00 00-0005 SQ 4 Mil Vinyl Liquid Roofing.....	1,208.23	169.93
07 56 00 00-0006 Silicone Elastomeric Liquid Roofing (07 56)		
07 56 00 00-0007 SQ 65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat.....	433.30	87.19
07 56 00 00-0008 SQ 65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat.....	517.80	87.19
07 56 00 00-0009 SQ 65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat.....	581.34	87.19
07 56 00 00-0010 Rubberized Acrylic Roof Coating, Sprayed On (07 56)		
Note: As manufactured by Tru-Co, Inc.		
07 56 00 00-0011 Rubberized Acrylic Roof Coating, Sprayed On Assemblies (07 56 00 00-0010)		
07 56 00 00-0012 SQ Elastomeric Installation Over Urethane Foam.....	954.31	
07 56 00 00-0013 SQ Elastomeric Installation Over Decks.....	979.29	
07 56 00 00-0014 SQ Elastomeric Installation Over Exterior, Waterproofing.....	388.47	
07 56 00 00-0015 SQ Installation Over Existing Tar (Asphalt) And Gravel Roof.....	1,260.71	
07 56 00 00-0016 SQ Installation Over New Construction, Waterproofing.....	691.97	
07 56 00 00-0017 SQ Installation Over Mobile Home.....	459.28	
07 56 00 00-0018 SQ Installation Over Corrugated Metal Roofs.....	535.87	
07 56 00 00-0019 SQ Installation Over Granulate Mineral Surface, Cap Sheet (Semi-Smooth) Surface.....	1,030.90	
07 56 00 00-0020 SQ 4" Acrylic Gel With Fabric (Apply At Edges).....	3.70	
07 56 00 00-0021 SQ 6" Acrylic Gel With Fabric (Apply At Edges).....	5.26	
07 56 00 00-0022 Polyurethane Roof Coating, Sprayed On Assemblies (07 56)		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 56 Fluid-Applied Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			Note: Includes pressure wash, primer, base coat, polyester reinforcement, top coat and finish coat.		
	07 56 00 00-0023	SF	Up To 50 SF White (High-Albedo) Polyurethane Coating.....	11.09	
	07 56 00 00-0024	SF	>50 To 100 SF White (High-Albedo) Polyurethane Coating.....	10.63	
	07 56 00 00-0025	SF	>100 To 500 SF White (High-Albedo) Polyurethane Coating.....	10.17	
	07 56 00 00-0026	SEA	>500 To 1,000 SF White (High-Albedo) Polyurethane Coating.....	9.58	
07 56 00 00-0027			Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)		
	07 56 00 00-0028	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane	1,827.79	87.19
			Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.		
07 56 00 00-0029			Urethane Liquid Roofing Membrane (07 56)		
			Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
	07 56 00 00-0030	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	94.21	
	07 56 00 00-0031	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	5.15	
	07 56 00 00-0032	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	359.47	
	07 56 00 00-0033	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System.....	92.70	
	07 56 00 00-0034	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	886.86	
	07 56 00 00-0035	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	1,340.91	
	07 56 00 00-0036	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	917.51	
	07 56 00 00-0037	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ).....	236.68	
07 57 Coated Foamed Roofing (07 50)					
07 57 13 Sprayed Polyurethane Foam Roofing (07 57)			Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.		
	07 57 13 00-0001		Sprayed Polyurethane Foam Roofing Systems (07 57 13)		
	07 57 13 00-0002		Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)		
	07 57 13 00-0003		Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)		
			Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
	07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	335.51	52.84
	07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	400.63	56.61
	07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	465.77	60.39
	07 57 13 00-0007	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	537.25	64.16
	07 57 13 00-0008	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	608.76	67.94
	07 57 13 00-0009	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	667.52	71.71
	07 57 13 00-0010	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	726.26	75.48
	07 57 13 00-0011	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	791.40	79.26
	07 57 13 00-0012	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	856.52	83.03
	07 57 13 00-0013	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	921.65	86.81
	07 57 13 00-0014	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	986.78	90.58
07 57 13 00-0015			Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)		
			Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
	07 57 13 00-0016	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	345.42	52.84
	07 57 13 00-0017	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	410.54	56.61
	07 57 13 00-0018	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	475.68	60.39
	07 57 13 00-0019	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	540.79	64.16
	07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	605.93	67.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0021 SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	671.06	71.71
07 57 13 00-0022 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	736.17	75.48
07 57 13 00-0023 SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	801.31	79.26
07 57 13 00-0024 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	866.43	83.03
07 57 13 00-0025 SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	931.56	86.81
07 57 13 00-0026 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	996.69	90.58
07 57 13 00-0027 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small>		
<small>Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.</small>		
07 57 13 00-0028 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	369.49	52.84
07 57 13 00-0029 SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	432.49	56.61
07 57 13 00-0030 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	495.50	60.39
07 57 13 00-0031 SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	560.61	64.16
07 57 13 00-0032 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	625.75	67.94
07 57 13 00-0033 SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	717.36	71.71
07 57 13 00-0034 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	808.95	75.48
07 57 13 00-0035 SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	879.47	79.26
07 57 13 00-0036 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	949.97	83.03
07 57 13 00-0037 SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	1,020.48	86.81
07 57 13 00-0038 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	1,090.99	90.58
07 57 13 00-0039 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating <small>(07 57 13 00-0001)</small>		
07 57 13 00-0040 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0039)</small>		
<small>Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.</small>		
07 57 13 00-0041 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	376.57	52.84
07 57 13 00-0042 SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	447.07	56.61
07 57 13 00-0043 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	517.59	60.39
07 57 13 00-0044 SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	588.08	64.16
07 57 13 00-0045 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	658.60	67.94
07 57 13 00-0046 SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	729.11	71.71
07 57 13 00-0047 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	799.61	75.48
07 57 13 00-0048 SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	870.12	79.26
07 57 13 00-0049 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	940.63	83.03
07 57 13 00-0050 SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	1,011.13	86.81
07 57 13 00-0051 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	1,081.64	90.58
07 57 13 00-0052 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0039)</small>		
<small>Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.</small>		
07 57 13 00-0053 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	390.59	52.84
07 57 13 00-0054 SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	461.09	56.61
07 57 13 00-0055 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	531.61	60.39

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 57 Coated Foamed Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0056 SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	602.10	64.16
07 57 13 00-0057 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	672.61	67.94
07 57 13 00-0058 SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	743.13	71.71
07 57 13 00-0059 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	813.62	75.48
07 57 13 00-0060 SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	884.14	79.26
07 57 13 00-0061 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	954.64	83.03
07 57 13 00-0062 SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	1,025.15	86.81
07 57 13 00-0063 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	1,095.66	90.58
07 57 13 00-0064 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0039)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0065 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	401.49	52.84
07 57 13 00-0066 SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	471.99	56.61
07 57 13 00-0067 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	542.51	60.39
07 57 13 00-0068 SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	613.00	64.16
07 57 13 00-0069 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	683.52	67.94
07 57 13 00-0070 SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	754.03	71.71
07 57 13 00-0071 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	824.53	75.48
07 57 13 00-0072 SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	895.04	79.26
07 57 13 00-0073 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	965.55	83.03
07 57 13 00-0074 SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,036.05	86.81
07 57 13 00-0075 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,106.56	90.58
07 58 Roll Roofing <small>(07 50)</small>		
07 58 00 00-0001 Prepared Roll Roofing <small>(07 58)</small> Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002 SQ Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	256.06	33.97
07 59 Membrane Roofing Termination Bar <small>(07 50)</small>		
07 59 00 00-0001 Membrane Roofing Termination Bar <small>(07 59)</small>		
07 59 00 00-0002 LF Membrane Roofing Termination Bar..... Note: Includes fasteners and caulking.	4.90	1.56
07 60 Flashing and Sheet Metal <small>(07)</small>		
07 61 Sheet Metal Roofing <small>(07 60)</small>		
07 61 13 Standing Seam Sheet Metal Roofing <small>(07 61)</small>		
07 61 13 00-0001 Standing Seam Concealed Fastener Roofing <small>(07 61 13)</small>		
07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing <small>(07 61 13 00-0001)</small>		
07 61 13 00-0003 SF Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For Panels <16" Wide, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	33.90 2.30 3.11 1.29 8.48 5.09 0.85	3.83



Thermal And Moisture Protection		07
Flashing and Sheet Metal		07 60
Sheet Metal Roofing		07 61

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0004 SF Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing.....	37.10	4.15
For Steep Roof, Over 6 To 12, Add	2.49	
For Panels <16" Wide, Add	3.39	
For 140 MPH Wind Load, Add	1.41	
For Up To 1,500, Add	9.28	
For >1,500 To 5,000, Add	5.57	
For >5,000 To 10,000, Add	0.93	
07 61 13 00-0005 SF Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing.....	43.61	4.52
For Steep Roof, Over 6 To 12, Add	2.71	
For Panels <16" Wide, Add	3.85	
For 140 MPH Wind Load, Add	1.60	
For Up To 1,500, Add	10.90	
For >1,500 To 5,000, Add	6.54	
For >5,000 To 10,000, Add	1.09	
07 61 13 00-0006 Zinc/Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)		
07 61 13 00-0007 SF 0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	39.53	4.15
For Steep Roof, Over 6 To 12, Add	2.49	
For Panels <16" Wide, Add	3.51	
For 140 MPH Wind Load, Add	1.45	
For Up To 1,500, Add	9.88	
For >1,500 To 5,000, Add	5.93	
For >5,000 To 10,000, Add	0.99	
For Tin/Copper, Deduct	-0.62	
07 61 13 00-0008 SF 0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	47.69	4.32
For Steep Roof, Over 6 To 12, Add	2.59	
For Panels <16" Wide, Add	3.98	
For 140 MPH Wind Load, Add	1.65	
For Up To 1,500, Add	11.92	
For >1,500 To 5,000, Add	7.15	
For >5,000 To 10,000, Add	1.19	
For Tin/Copper, Deduct	-0.78	
07 61 13 00-0009 SF 0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	54.11	4.52
For Steep Roof, Over 6 To 12, Add	2.71	
For Panels <16" Wide, Add	4.38	
For 140 MPH Wind Load, Add	1.81	
For Up To 1,500, Add	13.53	
For >1,500 To 5,000, Add	8.12	
For >5,000 To 10,000, Add	1.35	
For Tin/Copper, Deduct	-0.90	
07 61 13 00-0010 SF 0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	67.60	4.74
For Steep Roof, Over 6 To 12, Add	2.84	
For Panels <16" Wide, Add	5.13	
For 140 MPH Wind Load, Add	2.11	
For Up To 1,500, Add	16.90	
For >1,500 To 5,000, Add	10.14	
For >5,000 To 10,000, Add	1.69	
For Tin/Copper, Deduct	-1.16	
07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)		
07 61 13 00-0012 LF Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing.....	140.67	7.91
For Steep Roof, Over 6 To 12, Add	5.93	
For 140 MPH Wind Load, Add	4.40	
07 61 13 00-0013 LF Eave Flashing For Copper Standing Seam Concealed Fastener Roofing.....	82.12	7.91
For Steep Roof, Over 6 To 12, Add	5.93	
For 140 MPH Wind Load, Add	3.22	
07 61 13 00-0014 LF Valley Flashing For Copper Standing Seam Concealed Fastener Roofing.....	196.02	7.91
For Steep Roof, Over 6 To 12, Add	5.93	
For 140 MPH Wind Load, Add	5.50	
07 61 13 00-0015 LF Hip Flashing For Copper Standing Seam Concealed Fastener Roofing.....	145.04	7.91
For Steep Roof, Over 6 To 12, Add	5.93	
For 140 MPH Wind Load, Add	4.48	
07 61 16 Batten Seam Sheet Metal Roofing (07 61)		
07 61 16 00-0001 Copper Batten Seam Concealed Fastener Roofing (07 61 16)		
07 61 16 00-0002 Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0003 SF 16 Ounce Copper Batten Seam Concealed Fastener Roofing.....	41.69	4.52
For Steep Roof, Over 6 To 12, Add	2.71	
For Panels <16" Wide, Add	3.76	
For 140 MPH Wind Load, Add	1.56	
For Up To 1,500, Add	10.42	
For >1,500 To 5,000, Add	6.25	
For >5,000 To 10,000, Add	1.04	
07 61 16 00-0004 SF 18 Ounce Copper Batten Seam Concealed Fastener Roofing.....	45.99	4.75
For Steep Roof, Over 6 To 12, Add	2.85	
For Panels <16" Wide, Add	4.06	
For 140 MPH Wind Load, Add	1.68	
For Up To 1,500, Add	11.50	
For >1,500 To 5,000, Add	6.90	
For >5,000 To 10,000, Add	1.15	

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 61 Sheet Metal Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0005	SF		20 Ounce Copper Batten Seam Concealed Fastener Roofing.....	53.49	4.98
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.99	
			<i>For Panels <16" Wide, Add</i>	4.52	
			<i>For 140 MPH Wind Load, Add</i>	1.87	
			<i>For Up To 1,500, Add</i>	13.37	
			<i>For >1,500 To 5,000, Add</i>	8.02	
			<i>For >5,000 To 10,000, Add</i>	1.34	
07 61 16 00-0006			Zinc/Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0007	SF		0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	42.22	4.15
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.49	
			<i>For Panels <16" Wide, Add</i>	3.64	
			<i>For 140 MPH Wind Load, Add</i>	1.51	
			<i>For Up To 1,500, Add</i>	10.56	
			<i>For >1,500 To 5,000, Add</i>	6.33	
			<i>For >5,000 To 10,000, Add</i>	1.06	
			<i>For Tin/Copper, Deduct</i>	-0.68	
07 61 16 00-0008	SF		0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	51.55	4.32
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.60	
			<i>For Panels <16" Wide, Add</i>	4.18	
			<i>For 140 MPH Wind Load, Add</i>	1.72	
			<i>For Up To 1,500, Add</i>	12.89	
			<i>For >1,500 To 5,000, Add</i>	7.73	
			<i>For >5,000 To 10,000, Add</i>	1.29	
			<i>For Tin/Copper, Deduct</i>	-0.86	
07 61 16 00-0009	SF		0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	57.70	4.52
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.71	
			<i>For Panels <16" Wide, Add</i>	4.56	
			<i>For 140 MPH Wind Load, Add</i>	1.88	
			<i>For Up To 1,500, Add</i>	14.43	
			<i>For >1,500 To 5,000, Add</i>	8.66	
			<i>For >5,000 To 10,000, Add</i>	1.44	
			<i>For Tin/Copper, Deduct</i>	-0.97	
07 61 16 00-0010	SF		0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	72.21	4.74
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.84	
			<i>For Panels <16" Wide, Add</i>	5.36	
			<i>For 140 MPH Wind Load, Add</i>	2.20	
			<i>For Up To 1,500, Add</i>	18.05	
			<i>For >1,500 To 5,000, Add</i>	10.83	
			<i>For >5,000 To 10,000, Add</i>	1.81	
			<i>For Tin/Copper, Deduct</i>	-1.25	
07 61 19			Flat Seam Sheet Metal Roofing (07 61)		
07 61 19 00-0001			Copper Flat Seam Concealed Fastener Roofing (07 61 19)		
07 61 19 00-0002			Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0003	SF		16 Ounce Copper Flat Seam Concealed Fastener Roofing.....	32.36	4.15
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.49	
			<i>For Panels <16" Wide, Add</i>	3.15	
			<i>For 140 MPH Wind Load, Add</i>	1.31	
			<i>For Up To 1,500, Add</i>	8.09	
			<i>For >1,500 To 5,000, Add</i>	4.85	
			<i>For >5,000 To 10,000, Add</i>	0.81	
07 61 19 00-0004	SF		18 Ounce Copper Flat Seam Concealed Fastener Roofing.....	35.54	4.32
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.60	
			<i>For Panels <16" Wide, Add</i>	3.38	
			<i>For 140 MPH Wind Load, Add</i>	1.40	
			<i>For Up To 1,500, Add</i>	8.89	
			<i>For >1,500 To 5,000, Add</i>	5.33	
			<i>For >5,000 To 10,000, Add</i>	0.89	
07 61 19 00-0005	SF		20 Ounce Copper Flat Seam Concealed Fastener Roofing.....	41.05	4.52
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.71	
			<i>For Panels <16" Wide, Add</i>	3.72	
			<i>For 140 MPH Wind Load, Add</i>	1.54	
			<i>For Up To 1,500, Add</i>	10.26	
			<i>For >1,500 To 5,000, Add</i>	6.16	
			<i>For >5,000 To 10,000, Add</i>	1.03	
07 61 19 00-0006			Zinc/Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0007	SF		0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	37.10	4.15
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.49	
			<i>For Panels <16" Wide, Add</i>	3.39	
			<i>For 140 MPH Wind Load, Add</i>	1.41	
			<i>For Up To 1,500, Add</i>	9.28	
			<i>For >1,500 To 5,000, Add</i>	5.57	
			<i>For >5,000 To 10,000, Add</i>	0.93	
			<i>For Tin/Copper, Deduct</i>	-0.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0008 SF 0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	45.14	4.32
<i>For Steep Roof, Over 6 To 12, Add</i>	2.60	
<i>For Panels <16" Wide, Add</i>	3.86	
<i>For 140 MPH Wind Load, Add</i>	1.59	
<i>For Up To 1,500, Add</i>	11.29	
<i>For >1,500 To 5,000, Add</i>	6.77	
<i>For >5,000 To 10,000, Add</i>	1.13	
<i>For Tin/Copper, Deduct</i>	-0.73	
07 61 19 00-0009 SF 0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	50.65	4.52
<i>For Steep Roof, Over 6 To 12, Add</i>	2.71	
<i>For Panels <16" Wide, Add</i>	4.20	
<i>For 140 MPH Wind Load, Add</i>	1.74	
<i>For Up To 1,500, Add</i>	12.66	
<i>For >1,500 To 5,000, Add</i>	7.60	
<i>For >5,000 To 10,000, Add</i>	1.27	
<i>For Tin/Copper, Deduct</i>	-0.83	
07 61 19 00-0010 SF 0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	63.25	4.74
<i>For Steep Roof, Over 6 To 12, Add</i>	2.84	
<i>For Panels <16" Wide, Add</i>	4.91	
<i>For 140 MPH Wind Load, Add</i>	2.02	
<i>For Up To 1,500, Add</i>	15.81	
<i>For >1,500 To 5,000, Add</i>	9.49	
<i>For >5,000 To 10,000, Add</i>	1.58	
<i>For Tin/Copper, Deduct</i>	-1.08	

07 62 Sheet Metal Flashing and Trim (07 60)

07 62 13 Fabricated Copings (07 62)

07 62 13 00-0001 Lead Flashing And Trim (07 62 13)

07 62 13 00-0002 SF 2.5 LB/SF Sheet Lead Flashing.....	24.63	6.58
<i>For Up To 100, Add</i>	6.16	
07 62 13 00-0003 SF 4 LB/SF Sheet Lead Flashing.....	31.66	6.58
<i>For Up To 100, Add</i>	7.92	

07 62 13 00-0004 Copper Flashing And Trim (07 62 13)

07 62 13 00-0005 Copper Flashing And Trim (07 62 13 00-0004)

07 62 13 00-0006 SF 16 Ounce, 0.021" Thick, Copper Flashing And Trim.....	30.29	6.42
<i>For Up To 100, Add</i>	7.57	
<i>For >500 To 2,000, Deduct</i>	-4.19	
<i>For >2,000, Deduct</i>	-5.07	
<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.54	
<i>For Wrap Around Window Panning, Add</i>	12.71	
07 62 13 00-0007 SF 20 Ounce, 0.027" Thick, Copper Flashing And Trim.....	31.30	6.58
<i>For Up To 100, Add</i>	7.83	
<i>For >500 To 2,000, Deduct</i>	-4.33	
<i>For >2,000, Deduct</i>	-5.24	
<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.66	
<i>For Wrap Around Window Panning, Add</i>	13.28	
07 62 13 00-0008 SF 24 Ounce, 0.032" Thick, Copper Flashing And Trim.....	35.54	7.02
<i>For Up To 100, Add</i>	8.89	
<i>For >500 To 2,000, Deduct</i>	-4.90	
<i>For >2,000, Deduct</i>	-5.98	
<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.78	
<i>For Wrap Around Window Panning, Add</i>	13.92	
07 62 13 00-0009 SF 32 Ounce, 0.043" Thick, Copper Flashing And Trim.....	43.44	7.31
<i>For Up To 100, Add</i>	10.86	
<i>For >500 To 2,000, Deduct</i>	-5.94	
<i>For >2,000, Deduct</i>	-7.38	
<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.92	
<i>For Wrap Around Window Panning, Add</i>	14.61	

07 62 13 00-0010 Stainless Steel Flashing And Trim (07 62 13)

07 62 13 00-0011 Stainless Steel Flashing And Trim (07 62 13 00-0010)

07 62 13 00-0012 SF 32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim.....	12.51	3.51
<i>For Up To 100, Add</i>	3.13	
<i>For Wrap Around Window Panning, Add</i>	9.02	
<i>For Mechanically Keyed Flashing, Add</i>	1.40	
07 62 13 00-0013 SF 30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim.....	13.52	3.94
<i>For Up To 100, Add</i>	3.38	
<i>For Wrap Around Window Panning, Add</i>	9.16	
<i>For Mechanically Keyed Flashing, Add</i>	1.74	
07 62 13 00-0014 SF 28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim.....	14.54	4.38
<i>For Up To 100, Add</i>	3.64	
<i>For Wrap Around Window Panning, Add</i>	9.31	
<i>For Mechanically Keyed Flashing, Add</i>	2.09	
07 62 13 00-0015 SF 26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim.....	16.15	4.83
<i>For Up To 100, Add</i>	4.04	
<i>For Wrap Around Window Panning, Add</i>	9.61	
<i>For Mechanically Keyed Flashing, Add</i>	2.62	

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0016 SF 24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim.....	18.86	5.12
For Up To 100, Add	4.72	
For Wrap Around Window Panning, Add	10.15	
For Mechanically Keyed Flashing, Add	3.48	
07 62 13 00-0017 SF 22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim.....	20.58	5.37
For Up To 100, Add	5.15	
For Wrap Around Window Panning, Add	10.74	
For Mechanically Keyed Flashing, Add	3.94	
07 62 13 00-0018 SF 20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim.....	22.03	5.70
For Up To 100, Add	5.51	
For Wrap Around Window Panning, Add	11.37	
For Mechanically Keyed Flashing, Add	4.26	
07 62 13 00-0019 Aluminum Flashing And Trim (07 62 13)		
07 62 13 00-0020 Aluminum Flashing And Trim (07 62 13 00-0019)		
07 62 13 00-0021 SF 0.013" Thick, Mill Finish, Aluminum Flashing And Trim	13.04	4.52
For Up To 100, Add	3.26	
For Baked Aluminum Colors, Add	0.30	
For Wrap Around Window Panning, Add	10.07	
07 62 13 00-0022 SF 0.016" Thick, Mill Finish, Aluminum Flashing And Trim	13.69	4.52
For Up To 100, Add	3.42	
For Baked Aluminum Colors, Add	0.36	
For Wrap Around Window Panning, Add	10.07	
07 62 13 00-0023 SF 0.019" Thick, Mill Finish, Aluminum Flashing And Trim	14.21	4.52
For Up To 100, Add	3.55	
For Baked Aluminum Colors, Add	0.41	
For Wrap Around Window Panning, Add	10.07	
07 62 13 00-0024 SF 0.024" Thick, Mill Finish, Aluminum Flashing And Trim	14.95	4.52
For Up To 100, Add	3.74	
For Baked Aluminum Colors, Add	0.49	
For Wrap Around Window Panning, Add	10.07	
07 62 13 00-0025 SF 0.032" Thick, Mill Finish, Aluminum Flashing And Trim	15.99	4.52
For Up To 100, Add	4.00	
For Baked Aluminum Colors, Add	0.59	
For Wrap Around Window Panning, Add	10.07	
07 62 13 00-0026 SF 0.040" Thick, Mill Finish, Aluminum Flashing And Trim	16.63	4.52
For Up To 100, Add	4.16	
For Baked Aluminum Colors, Add	0.66	
For Wrap Around Window Panning, Add	10.07	
07 62 13 00-0027 SF 0.050" Thick, Mill Finish, Aluminum Flashing And Trim	17.15	4.52
For Up To 100, Add	4.29	
For Baked Aluminum Colors, Add	0.71	
For Wrap Around Window Panning, Add	10.07	
07 62 13 00-0028 Steel Flashing And Trim (07 62 13)		
07 62 13 00-0029 Galvanized Steel Flashing And Trim (07 62 13 00-0028)		
07 62 13 00-0030 SF 28 Gauge, 0.019" Thick, Galvanized Steel Flashing.....	13.67	4.38
For Up To 100, Add	3.42	
For Wrap Around Window Panning, Add	9.31	
07 62 13 00-0031 SF 26 Gauge, 0.022" Thick, Galvanized Steel Flashing.....	14.20	4.83
For Up To 100, Add	3.55	
For Wrap Around Window Panning, Add	9.61	
07 62 13 00-0032 SF 24 Gauge, 0.028" Thick, Galvanized Steel Flashing.....	15.11	5.12
For Up To 100, Add	3.78	
For Wrap Around Window Panning, Add	10.15	
07 62 13 00-0033 SF 22 Gauge, 0.034" Thick, Galvanized Steel Flashing.....	16.06	5.37
For Up To 100, Add	4.02	
For Wrap Around Window Panning, Add	10.74	
07 62 13 00-0034 SF 20 Gauge, 0.04" Thick, Galvanized Steel Flashing.....	17.32	5.70
For Up To 100, Add	4.33	
For Wrap Around Window Panning, Add	11.37	
07 62 19 Fabricated Gravel Stops and Fasciae (07 62)		
07 62 19 00-0001 Drip Edge (07 62 19)		
07 62 19 00-0002 Aluminum Drip Edge (07 62 19 00-0001)		
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0003 KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0004 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0005 LF Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	12.26	1.70
07 62 19 00-0006 LF >5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	15.30	1.81
07 62 19 00-0007 LF >7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.28	2.04
07 62 19 00-0008 LF >9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.80	2.15
07 62 19 00-0009 LF >12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.58	2.27
07 62 19 00-0010 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0011 LF Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	13.12	1.70
07 62 19 00-0012 LF >5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.25	1.81
07 62 19 00-0013 LF >7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.71	2.04
07 62 19 00-0014 LF >9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.52	2.15
07 62 19 00-0015 LF >12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.21	2.27
07 62 19 00-0016 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0017 LF Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	13.98	1.70
07 62 19 00-0018 LF >5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.40	1.81
07 62 19 00-0019 LF >7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.10	2.04
07 62 19 00-0020 LF >9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.24	2.15
07 62 19 00-0021 LF >12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.50	2.27
07 62 19 00-0022 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0023 LF Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	15.70	1.70
07 62 19 00-0024 LF >5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.69	1.81
07 62 19 00-0025 LF >7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.82	2.04
07 62 19 00-0026 LF >9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.68	2.15
07 62 19 00-0027 LF >12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.09	2.27
07 62 19 00-0028 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0029 LF Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.27	1.70
07 62 19 00-0030 LF >5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.55	1.81
07 62 19 00-0031 LF >7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.73	2.04
07 62 19 00-0032 LF >9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.82	2.15
07 62 19 00-0033 LF >12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	36.62	2.27
07 62 19 00-0034 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0035 LF Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.28	1.70
07 62 19 00-0036 LF >5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.13	1.81
07 62 19 00-0037 LF >7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.88	2.04
07 62 19 00-0038 LF >9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.84	2.15
07 62 19 00-0039 LF >12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	41.97	2.27
07 62 19 00-0040 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0041 LF Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.15	1.70
07 62 19 00-0042 LF >5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.96	1.81
07 62 19 00-0043 LF >7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.42	2.04
07 62 19 00-0044 LF >9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	38.57	2.15
07 62 19 00-0045 LF >12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	49.61	2.27
07 62 19 00-0046 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0047 LF Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.59	1.70
07 62 19 00-0048 LF >5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.54	1.81
07 62 19 00-0049 LF >7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	36.87	2.04
07 62 19 00-0050 LF >9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	45.45	2.15
07 62 19 00-0051 LF >12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	58.79	2.27
07 62 19 00-0052 Mill Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0053 0.016" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0054 LF Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	10.03	1.70
07 62 19 00-0055 LF >5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	12.27	1.81
07 62 19 00-0056 LF >7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	13.78	2.04
07 62 19 00-0057 LF >9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	16.35	2.15
07 62 19 00-0058 LF >12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	20.44	2.27
07 62 19 00-0059 0.019" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0060 LF Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	10.63	1.70
07 62 19 00-0061 LF >5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	12.93	1.81
07 62 19 00-0062 LF >7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	14.77	2.04
07 62 19 00-0063 LF >9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	17.53	2.15
07 62 19 00-0064 LF >12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	21.56	2.27
07 62 19 00-0065 0.025" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0066 LF Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	11.22	1.70
07 62 19 00-0067 LF >5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	13.72	1.81
07 62 19 00-0068 LF >7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	15.72	2.04
07 62 19 00-0069 LF >9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	18.72	2.15
07 62 19 00-0070 LF >12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	23.15	2.27

07 Thermal And Moisture Protection

07 60 Flashing and Sheet Metal

07 62 Sheet Metal Flashing and Trim



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0071			0.032" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0072	LF		Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	12.41	1.70
07 62 19 00-0073	LF		>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	15.30	1.81
07 62 19 00-0074	LF		>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	17.60	2.04
07 62 19 00-0075	LF		>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	21.09	2.15
07 62 19 00-0076	LF		>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	26.31	2.27
07 62 19 00-0077			0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0078	LF		Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	12.80	1.70
07 62 19 00-0079	LF		>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	15.90	1.81
07 62 19 00-0080	LF		>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	18.23	2.04
07 62 19 00-0081	LF		>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	21.88	2.15
07 62 19 00-0082	LF		>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	27.36	2.27
07 62 19 00-0083			0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0084	LF		Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	14.19	1.70
07 62 19 00-0085	LF		>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	17.68	1.81
07 62 19 00-0086	LF		>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	20.40	2.04
07 62 19 00-0087	LF		>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	24.65	2.15
07 62 19 00-0088	LF		>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	31.05	2.27
07 62 19 00-0089			0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0090	LF		Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	16.16	1.70
07 62 19 00-0091	LF		>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	20.31	1.81
07 62 19 00-0092	LF		>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	23.53	2.04
07 62 19 00-0093	LF		>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	28.61	2.15
07 62 19 00-0094	LF		>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	36.33	2.27
07 62 19 00-0095			0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0096	LF		Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	18.54	1.70
07 62 19 00-0097	LF		>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	23.48	1.81
07 62 19 00-0098	LF		>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	27.29	2.04
07 62 19 00-0099	LF		>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	33.35	2.15
07 62 19 00-0100	LF		>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	42.65	2.27
07 62 19 00-0101			Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0102			0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0103	LF		Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	12.69	1.70
07 62 19 00-0104	LF		>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	15.88	1.81
07 62 19 00-0105	LF		>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	17.95	2.04
07 62 19 00-0106	LF		>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	21.66	2.15
07 62 19 00-0107	LF		>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	27.77	2.27
07 62 19 00-0108			0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0109	LF		Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	13.60	1.70
07 62 19 00-0110	LF		>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	16.90	1.81
07 62 19 00-0111	LF		>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	19.47	2.04
07 62 19 00-0112	LF		>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	23.48	2.15
07 62 19 00-0113	LF		>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	29.49	2.27
07 62 19 00-0114			0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0115	LF		Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.51	1.70
07 62 19 00-0116	LF		>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.11	1.81
07 62 19 00-0117	LF		>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	20.94	2.04
07 62 19 00-0118	LF		>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	25.30	2.15
07 62 19 00-0119	LF		>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	31.92	2.27
07 62 19 00-0120			0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0121	LF		Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	16.33	1.70
07 62 19 00-0122	LF		>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	20.54	1.81
07 62 19 00-0123	LF		>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	23.83	2.04
07 62 19 00-0124	LF		>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	28.95	2.15
07 62 19 00-0125	LF		>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	36.79	2.27
07 62 19 00-0126			0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0127	LF		Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	16.94	1.70
07 62 19 00-0128	LF		>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	21.45	1.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0129 LF >7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.79	2.04
07 62 19 00-0130 LF >9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.16	2.15
07 62 19 00-0131 LF >12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	38.41	2.27
07 62 19 00-0132 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge <small>(07 62 19 00-0101)</small>		
07 62 19 00-0133 LF Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.07	1.70
07 62 19 00-0134 LF >5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.19	1.81
07 62 19 00-0135 LF >7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.13	2.04
07 62 19 00-0136 LF >9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	34.42	2.15
07 62 19 00-0137 LF >12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	44.08	2.27
07 62 19 00-0138 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge <small>(07 62 19 00-0101)</small>		
07 62 19 00-0139 LF Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.11	1.70
07 62 19 00-0140 LF >5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.24	1.81
07 62 19 00-0141 LF >7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.95	2.04
07 62 19 00-0142 LF >9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	40.50	2.15
07 62 19 00-0143 LF >12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	52.18	2.27
07 62 19 00-0144 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge <small>(07 62 19 00-0101)</small>		
07 62 19 00-0145 LF Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.76	1.70
07 62 19 00-0146 LF >5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	33.10	1.81
07 62 19 00-0147 LF >7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	38.72	2.04
07 62 19 00-0148 LF >9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	47.79	2.15
07 62 19 00-0149 LF >12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	61.91	2.27
07 62 19 00-0150 Galvanized Steel Drip Edge <small>(07 62 19 00-0001)</small>		
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151 Galvanized Steel Drip Edge <small>(07 62 19 00-0150)</small>		
07 62 19 00-0152 26 Gauge, Galvanized Steel Drip Edge <small>(07 62 19 00-0151)</small>		
07 62 19 00-0153 LF Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	11.81	1.70
07 62 19 00-0154 LF >5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	14.56	1.81
07 62 19 00-0155 LF >7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	16.65	2.04
07 62 19 00-0156 LF >9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	19.89	2.15
07 62 19 00-0157 LF >12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	24.71	2.27
07 62 19 00-0158 24 Gauge, Galvanized Steel Drip Edge <small>(07 62 19 00-0151)</small>		
07 62 19 00-0159 LF Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	12.82	1.70
07 62 19 00-0160 LF >5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	15.91	1.81
07 62 19 00-0161 LF >7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	18.24	2.04
07 62 19 00-0162 LF >9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	21.92	2.15
07 62 19 00-0163 LF >12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	27.38	2.27
07 62 19 00-0164 KYNAR 500® Finish, Galvanized Steel Drip Edge <small>(07 62 19 00-0150)</small>		
07 62 19 00-0165 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge <small>(07 62 19 00-0164)</small>		
07 62 19 00-0166 LF Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	14.83	1.70
07 62 19 00-0167 LF >5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	18.62	1.81
07 62 19 00-0168 LF >7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	21.44	2.04
07 62 19 00-0169 LF >9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	25.94	2.15
07 62 19 00-0170 LF >12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	32.77	2.27
07 62 19 00-0171 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge <small>(07 62 19 00-0164)</small>		
07 62 19 00-0172 LF Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	16.29	1.70
07 62 19 00-0173 LF >5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	20.58	1.81
07 62 19 00-0174 LF >7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	23.75	2.04
07 62 19 00-0175 LF >9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	28.86	2.15
07 62 19 00-0176 LF >12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	36.66	2.27
07 62 19 00-0177 Stainless Steel Drip Edge <small>(07 62 19 00-0001)</small>		
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178 26 Gauge, Stainless Steel Drip Edge <small>(07 62 19 00-0177)</small>		
07 62 19 00-0179 LF Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	20.41	1.70
07 62 19 00-0180 LF >5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	25.98	1.81
07 62 19 00-0181 LF >7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	30.26	2.04
07 62 19 00-0182 LF >9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	37.10	2.15
07 62 19 00-0183 LF >12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	47.66	2.27
07 62 19 00-0184 24 Gauge, Stainless Steel Drip Edge <small>(07 62 19 00-0177)</small>		
07 62 19 00-0185 LF Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	25.23	1.70

07 Thermal And Moisture Protection

07 60 Flashing and Sheet Metal

07 62 Sheet Metal Flashing and Trim



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0186	LF		>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	32.41	1.81
07 62 19 00-0187	LF		>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	37.92	2.04
07 62 19 00-0188	LF		>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	46.75	2.15
07 62 19 00-0189	LF		>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	60.52	2.27

07 62 19 00-0190 22 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)

07 62 19 00-0191	LF		Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	30.91	1.70
07 62 19 00-0192	LF		>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	39.97	1.81
07 62 19 00-0193	LF		>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	46.90	2.04
07 62 19 00-0194	LF		>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	58.10	2.15
07 62 19 00-0195	LF		>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	75.65	2.27

07 63 Sheet Metal Roofing Specialties (07 60)

07 63 00 00-0001 Pitch Pockets (07 63)

Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)

07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	94.07
		For Pourable Sealer Filled, Add	37.92
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	18.97
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	112.47
		For Pourable Sealer Filled, Add	85.37
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	42.80
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	136.32
		For Pourable Sealer Filled, Add	151.67
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	75.66
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	149.97
		For Pourable Sealer Filled, Add	189.59
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	95.11
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	162.64
		For Pourable Sealer Filled, Add	227.51
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	113.77
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	190.84
		For Pourable Sealer Filled, Add	341.27
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	169.58

07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)

07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	112.73
		For Pourable Sealer Filled, Add	37.92
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	18.97
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	134.18
		For Pourable Sealer Filled, Add	85.37
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	42.80
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	162.11
		For Pourable Sealer Filled, Add	151.67
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	75.66
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	179.85
		For Pourable Sealer Filled, Add	189.59
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	95.11
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	193.23
		For Pourable Sealer Filled, Add	227.51
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	113.77
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	223.47
		For Pourable Sealer Filled, Add	341.27
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	169.58

07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)

07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	119.54
		For Pourable Sealer Filled, Add	37.92
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	18.97
07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	141.26
		For Pourable Sealer Filled, Add	85.37
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	42.80
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	162.64
		For Pourable Sealer Filled, Add	151.67
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	75.66
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	175.85
		For Pourable Sealer Filled, Add	189.59
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	95.11
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	187.98
		For Pourable Sealer Filled, Add	227.51
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	113.77
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	214.67
		For Pourable Sealer Filled, Add	341.27
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	169.58



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout ^(07 63 00 00-0001)
 Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	75.14	
	For Pourable Sealer Filled, Add	37.92	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	18.97	
07 63 00 00-0025	EA Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	86.35	
	For Pourable Sealer Filled, Add	85.37	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	42.80	
07 63 00 00-0026	EA Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout.....	101.27	
	For Pourable Sealer Filled, Add	151.67	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	75.66	
07 63 00 00-0027	EA Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout.....	110.73	
	For Pourable Sealer Filled, Add	189.59	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	95.11	
07 63 00 00-0028	EA Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout.....	120.20	
	For Pourable Sealer Filled, Add	227.51	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	113.77	
07 63 00 00-0029	SF Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout.....	144.06	
	For Pourable Sealer Filled, Add	341.27	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	169.58	

07 63 00 00-0030 Lead Pipe Flashing For Roofs ^(07 63)
 Note: Includes 6" skirt base.

07 63 00 00-0031	EA 1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	116.80	38.70
07 63 00 00-0032	EA 1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	116.80	38.70
07 63 00 00-0033	EA 2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	138.88	38.70
07 63 00 00-0034	EA 3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	151.49	38.70
07 63 00 00-0035	EA 4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe.....	157.80	38.70
07 63 00 00-0036	EA 4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	160.95	38.70
07 63 00 00-0037	EA 6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe.....	192.49	38.70
07 63 00 00-0038	EA 8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe.....	206.68	38.70

07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing ^(07 63)

07 63 00 00-0040	EA 2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	94.88	25.01
07 63 00 00-0041	EA 3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	95.96	25.01
07 63 00 00-0042	EA 4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	99.86	25.01
07 63 00 00-0043	EA 6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	103.22	25.01

07 65 Flexible Flashing ^(07 60)

07 65 16 Modified Bituminous Sheet Flashing ^(07 65)

07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems ^(07 65 16)
 See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF 60 Mil, Urethane Elastomer Liquid Applied Flashing.....	14.46	2.17
	Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.		

07 65 19 Plastic Sheet Flashing ^(07 65)

07 65 19 00-0001 Plastic Flashing And Trim ^(07 65 19)

07 65 19 00-0002 Neoprene Flashing ^(07 65 19 00-0001)

07 65 19 00-0003 60 Mil Neoprene Flashing ^(07 65 19 00-0002)

07 65 19 00-0004	LF 6" Wide Strip, 60 Mil, Neoprene Flashing.....	9.57	3.05
07 65 19 00-0005	LF 12" Wide Strip, 60 Mil, Neoprene Flashing.....	12.72	3.28
07 65 19 00-0006	LF 18" Wide Strip, 60 Mil, Neoprene Flashing.....	16.20	3.62
07 65 19 00-0007	LF 24" Wide Strip, 60 Mil, Neoprene Flashing.....	19.89	4.08

07 65 33 Flexible Roof Boot ^(07 65)

07 65 33 00-0001 Neoprene Roof Boot ^(07 65 33)

07 65 33 00-0002	EA 2" Diameter Pipe, Neoprene Roof Boot.....	45.57	9.40
07 65 33 00-0003	EA 3" Diameter Pipe, Neoprene Roof Boot.....	53.75	10.53
07 65 33 00-0004	EA 4" Diameter Pipe, Neoprene Roof Boot.....	59.85	11.33

07 70 Roof and Wall Specialties and Accessories ⁽⁰⁷⁾

07 71 Roof Specialties ^(07 70)

07 71 13 Manufactured Copings ^(07 71)

07 71 13 00-0001	Galvanized Steel Copings ^(07 71 13)		
------------------	--	--	--



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 13 00-0002		KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0001)</small>		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	33.11	2.45
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	34.94	2.65
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	39.81	2.78
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	46.23	3.05
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	55.82	3.19
07 71 13 00-0008		Aluminum Copings <small>(07 71 13)</small>		
07 71 13 00-0009		Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0010		0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	26.34	2.45
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.12	2.65
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	32.74	2.78
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	39.06	3.05
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	48.47	3.19
07 71 13 00-0016		0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.56	2.45
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.49	2.65
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	35.55	2.78
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	42.46	3.05
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	52.79	3.19
07 71 13 00-0022		0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.39	2.45
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	32.61	2.65
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	39.04	2.78
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	48.72	3.05
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	62.92	3.19
07 71 13 00-0028		KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small>		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029		0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	36.35	2.45
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	38.79	2.65
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	45.39	2.78
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	54.35	3.05
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	67.89	3.19
07 71 13 00-0035		0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	39.58	2.45
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	42.22	2.65
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	49.46	2.78
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	59.27	3.05
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	74.15	3.19



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

07 71 13 00-0041				0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
	07 71 13 00-0042	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	42.23	2.45
	07 71 13 00-0043	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	45.29	2.65
	07 71 13 00-0044	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	54.52	2.78
	07 71 13 00-0045	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	68.35	3.05
	07 71 13 00-0046	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	88.84	3.19
07 71 13 00-0047				Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small> Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048				0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
	07 71 13 00-0049	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	38.29	2.45
	07 71 13 00-0050	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	40.85	2.65
	07 71 13 00-0051	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	47.83	2.78
	07 71 13 00-0052	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	57.30	3.05
	07 71 13 00-0053	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	71.65	3.19
07 71 13 00-0054				0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
	07 71 13 00-0055	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	41.71	2.45
	07 71 13 00-0056	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	44.49	2.65
	07 71 13 00-0057	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	52.15	2.78
	07 71 13 00-0058	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	62.52	3.05
	07 71 13 00-0059	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	78.28	3.19
07 71 13 00-0060				0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
	07 71 13 00-0061	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	44.52	2.45
	07 71 13 00-0062	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	47.74	2.65
	07 71 13 00-0063	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	57.52	2.78
	07 71 13 00-0064	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	72.15	3.05
	07 71 13 00-0065	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	93.85	3.19
07 71 13 00-0066				Removal And Reinstallation Of Metal Coping <small>(07 71 13)</small>		
	07 71 13 00-0067	LF		Removal And Reinstallation Of Metal Coping	10.15	
07 71 19				Manufactured Gravel Stops and Fasciae <small>(07 71)</small>		
	07 71 19 00-0001			Gravel Stop <small>(07 71 19)</small>		
	07 71 19 00-0002			Aluminum Gravel Stop <small>(07 71 19 00-0001)</small>		
	07 71 19 00-0003			Aluminum Gravel Stop <small>(07 71 19 00-0002)</small>		
	07 71 19 00-0004			KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
	07 71 19 00-0005			0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
	07 71 19 00-0006	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	37.95	1.93
	07 71 19 00-0007	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	39.23	2.27
	07 71 19 00-0008	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	40.57	2.49

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0009 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0010 LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	40.33	1.93
07 71 19 00-0011 LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	41.71	2.27
07 71 19 00-0012 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	43.18	2.49
07 71 19 00-0013 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0014 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	43.43	1.93
07 71 19 00-0015 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	44.68	2.27
07 71 19 00-0016 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	46.48	2.49
07 71 19 00-0017 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0018 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	45.53	1.93
07 71 19 00-0019 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	46.86	2.27
07 71 19 00-0020 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	48.78	2.49
07 71 19 00-0021 Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0022 0.032" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0023 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	24.77	1.93
07 71 19 00-0024 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	26.72	2.27
07 71 19 00-0025 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	28.68	2.49
07 71 19 00-0026 0.040" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0027 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	26.75	1.93
07 71 19 00-0028 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	28.43	2.27
07 71 19 00-0029 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	30.00	2.49
07 71 19 00-0030 0.050" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0031 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	28.73	1.93
07 71 19 00-0032 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	30.41	2.27
07 71 19 00-0033 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	32.14	2.49
07 71 19 00-0034 0.063" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0035 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	30.87	1.93
07 71 19 00-0036 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	32.38	2.27
07 71 19 00-0037 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	33.73	2.49
07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0040 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	45.27	1.93
07 71 19 00-0041 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	46.86	2.27
07 71 19 00-0042 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	48.30	2.49
07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0044 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	48.12	1.93
07 71 19 00-0045 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	49.84	2.27
07 71 19 00-0046 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	51.42	2.49
07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0048 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	51.84	1.93
07 71 19 00-0049 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	53.40	2.27
07 71 19 00-0050 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	54.71	2.49
07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0052 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	54.36	1.93
07 71 19 00-0053 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	56.01	2.27
07 71 19 00-0054 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	57.43	2.49
07 71 19 00-0055 Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0002)</small>		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056 KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0057 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0058 LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	42.80	2.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0059 LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	45.51	2.43
07 71 19 00-0060 LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	48.60	2.77
07 71 19 00-0061 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0062 LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	45.18	2.04
07 71 19 00-0063 LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	47.99	2.43
07 71 19 00-0064 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	51.21	2.77
07 71 19 00-0065 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0066 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	48.28	2.04
07 71 19 00-0067 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	50.96	2.43
07 71 19 00-0068 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	54.51	2.77
07 71 19 00-0069 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0070 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	50.38	2.04
07 71 19 00-0071 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	53.14	2.43
07 71 19 00-0072 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.81	2.77
07 71 19 00-0073 Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0074 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0075 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	31.45	2.04
07 71 19 00-0076 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	33.67	2.43
07 71 19 00-0077 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	36.22	2.77
07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0079 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	33.09	2.04
07 71 19 00-0080 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	35.38	2.43
07 71 19 00-0081 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.03	2.77
07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0083 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	35.23	2.04
07 71 19 00-0084 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	37.43	2.43
07 71 19 00-0085 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.17	2.77
07 71 19 00-0086 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0087 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	36.68	2.04
07 71 19 00-0088 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.93	2.43
07 71 19 00-0089 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.76	2.77
07 71 19 00-0090 Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0091 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0092 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	50.12	2.04
07 71 19 00-0093 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	53.14	2.43
07 71 19 00-0094 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	56.33	2.77
07 71 19 00-0095 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0096 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	52.97	2.04

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0097 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	56.12	2.43
07 71 19 00-0098 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	59.45	2.77
07 71 19 00-0099 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0100 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	56.69	2.04
07 71 19 00-0101 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	59.68	2.43
07 71 19 00-0102 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	62.74	2.77
07 71 19 00-0103 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0104 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	59.21	2.04
07 71 19 00-0105 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	62.29	2.43
07 71 19 00-0106 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	65.46	2.77
07 71 19 00-0107 Stainless Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0108 Stainless Steel Gravel Stop (07 71 19 00-0107)		
07 71 19 00-0109 26 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0110 LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	36.96	1.93
07 71 19 00-0111 LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	48.58	2.27
07 71 19 00-0112 LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	72.09	2.49
07 71 19 00-0113 24 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0114 LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	46.04	1.93
07 71 19 00-0115 LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	60.68	2.27
07 71 19 00-0116 LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	90.25	2.49
07 71 19 00-0117 22 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0118 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	55.69	1.93
07 71 19 00-0119 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	73.54	2.27
07 71 19 00-0120 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	109.54	2.49
07 71 19 00-0121 Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0107) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0123 LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	43.68	2.04
07 71 19 00-0124 LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	57.30	2.43
07 71 19 00-0125 LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	83.27	2.77
07 71 19 00-0126 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0127 LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	52.76	2.04
07 71 19 00-0128 LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	69.40	2.43
07 71 19 00-0129 LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	101.43	2.77
07 71 19 00-0130 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0131 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	62.41	2.04
07 71 19 00-0132 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	82.26	2.43
07 71 19 00-0133 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	120.72	2.77
07 71 19 00-0134 Galvanized Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0135 Galvanized Steel Gravel Stop (07 71 19 00-0134)		
07 71 19 00-0136 KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0135)		
07 71 19 00-0137 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0136)		
07 71 19 00-0138 LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	35.36	1.93
07 71 19 00-0139 LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	36.59	2.27
07 71 19 00-0140 LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	38.09	2.49



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0141				Galvanized Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0134)</small> Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142				KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0141)</small>		
07 71 19 00-0143				24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0142)</small>		
07 71 19 00-0144	LF			4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	40.43	2.04
07 71 19 00-0145	LF			>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	43.16	2.43
07 71 19 00-0146	LF			>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	46.49	2.77
07 71 19 00-0147				Copper Gravel Stop <small>(07 71 19 00-0001)</small>		
07 71 19 00-0148				Copper Gravel Stop <small>(07 71 19 00-0147)</small>		
07 71 19 00-0149				20 Ounce, Copper Gravel Stop <small>(07 71 19 00-0148)</small>		
07 71 19 00-0150	LF			4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	58.87	1.93
07 71 19 00-0151	LF			>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	67.41	2.27
07 71 19 00-0152	LF			>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	77.88	2.49
07 71 19 00-0153				16 Ounce, Copper Gravel Stop <small>(07 71 19 00-0148)</small>		
07 71 19 00-0154	LF			4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	71.49	1.93
07 71 19 00-0155	LF			>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	82.83	2.27
07 71 19 00-0156	LF			>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	94.71	2.49
07 71 19 00-0157				Copper Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0147)</small> Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158				20 Ounce, Copper Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0157)</small>		
07 71 19 00-0159	LF			4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	61.26	2.04
07 71 19 00-0160	LF			>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	70.47	2.43
07 71 19 00-0161	LF			>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	81.75	2.77
07 71 19 00-0162				16 Ounce, Copper Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0157)</small>		
07 71 19 00-0163	LF			4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	73.89	2.04
07 71 19 00-0164	LF			>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	85.90	2.43
07 71 19 00-0165	LF			>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	98.58	2.77
07 71 19 00-0166				Fascia <small>(07 71 19)</small>		
07 71 19 00-0167				Snap-On Cover Fascia <small>(07 71 19 00-0166)</small> Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168				Galvanized Steel Snap-On Cover Fascia <small>(07 71 19 00-0167)</small>		
07 71 19 00-0169				KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia <small>(07 71 19 00-0168)</small>		
07 71 19 00-0170				24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia <small>(07 71 19 00-0169)</small>		
07 71 19 00-0171	LF			3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	43.24	2.83
07 71 19 00-0172	LF			>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	48.65	2.94
07 71 19 00-0173	LF			>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	52.12	3.05
07 71 19 00-0174				Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0169)</small>		
07 71 19 00-0175				Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0174)</small>		
07 71 19 00-0176	EA			Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	301.60	3.97
07 71 19 00-0177	EA			Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	322.15	3.97
07 71 19 00-0178	EA			Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	335.05	3.97
07 71 19 00-0179				Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0174)</small>		
07 71 19 00-0180	EA			Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	245.66	3.97
07 71 19 00-0181	EA			Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	256.03	3.97

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0182 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	262.34	3.97
07 71 19 00-0183 Aluminum Snap-On Cover Fascia <small>(07 71 19 00-0167)</small>		
07 71 19 00-0184 KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>		
07 71 19 00-0185 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>		
07 71 19 00-0186 LF 3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	25.29	2.83
07 71 19 00-0187 LF >5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	28.61	2.94
07 71 19 00-0188 LF >7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	30.37	3.05
07 71 19 00-0189 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>		
07 71 19 00-0190 LF 3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	26.58	2.83
07 71 19 00-0191 LF >5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	30.26	2.94
07 71 19 00-0192 LF >7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	32.23	3.05
07 71 19 00-0193 Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0184)</small>		
07 71 19 00-0194 Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0193)</small>		
07 71 19 00-0195 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	164.17	3.97
07 71 19 00-0196 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	178.05	3.97
07 71 19 00-0197 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	184.12	3.97
07 71 19 00-0198 Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0193)</small>		
07 71 19 00-0199 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	129.96	3.97
07 71 19 00-0200 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	136.87	3.97
07 71 19 00-0201 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	139.90	3.97
07 71 19 00-0202 Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>		
07 71 19 00-0203 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>		
07 71 19 00-0204 LF 3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	29.22	2.83
07 71 19 00-0205 LF >5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	33.16	2.94
07 71 19 00-0206 LF >7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	35.23	3.05
07 71 19 00-0207 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>		
07 71 19 00-0208 LF 3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	30.76	2.83
07 71 19 00-0209 LF >5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	35.14	2.94
07 71 19 00-0210 LF >7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	37.45	3.05
07 71 19 00-0211 Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0202)</small>		
07 71 19 00-0212 Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0211)</small>		
07 71 19 00-0213 EA Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	203.24	3.97
07 71 19 00-0214 EA Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	220.58	3.97
07 71 19 00-0215 EA Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	228.17	3.97



MINOR	TOTAL DIRECT	DEMOLITION	
CSI UOM DESCRIPTION	UNIT COST	UNIT COST	

07 71 19 00-0216			Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0216)
07 71 19 00-0217	EA		Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....
		160.47	
07 71 19 00-0218	EA		Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....
		169.11	
07 71 19 00-0219	EA		Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....
		172.89	

07 71 23 Manufactured Gutters and Downspouts (07 71)

Note: Includes all necessary support straps.

07 71 23 00-0001 Aluminum Gutters And Downspouts (07 71 23)

07 71 23 00-0002 Aluminum Gutters (07 71 23 00-0001)

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0003 K-Style Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	.....	12.17	5.41
		For Up To 100', Add	2.55		
		For >100' To 250', Add	1.05		
		For >1,000', Deduct	-0.89		
		For Kynar 500® Finish, Add	1.47		
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	.....	13.51	5.70
		For Up To 100', Add	2.75		
		For >100' To 250', Add	1.14		
		For >1,000', Deduct	-0.94		
		For Kynar 500® Finish, Add	1.87		
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	.....	12.64	5.41
		For Up To 100', Add	2.60		
		For >100' To 250', Add	1.08		
		For >1,000', Deduct	-0.89		
		For Kynar 500® Finish, Add	1.68		
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	.....	14.11	5.70
		For Up To 100', Add	2.81		
		For >100' To 250', Add	1.17		
		For >1,000', Deduct	-0.94		
		For Kynar 500® Finish, Add	2.14		
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	.....	25.47	5.99
		For Up To 100', Add	4.06		
		For >100' To 250', Add	1.78		
		For >1,000', Deduct	-1.01		
		For Kynar 500® Finish, Add	6.93		
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	.....	27.92	6.72
		For Up To 100', Add	4.46		
		For >100' To 250', Add	1.95		
		For >1,000', Deduct	-1.11		
		For Kynar 500® Finish, Add	7.57		
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	.....	31.17	6.72
		For Up To 100', Add	4.78		
		For >100' To 250', Add	2.11		
		For >1,000', Deduct	-1.11		
		For Kynar 500® Finish, Add	9.03		

07 71 23 00-0011 Half Round Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	.....	21.58	5.41
		For Up To 100', Add	3.49		
		For >100' To 250', Add	1.52		
		For >1,000', Deduct	-0.89		
		For Kynar 500® Finish, Add	5.70		
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	.....	25.84	5.70
		For Up To 100', Add	3.99		
		For >100' To 250', Add	1.76		
		For >1,000', Deduct	-0.94		
		For Kynar 500® Finish, Add	7.42		

07 71 23 00-0014 Box Style Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	.....	22.85	6.72
		For Up To 100', Add	3.95		
		For >100' To 250', Add	1.70		
		For >1,000', Deduct	-1.11		
		For Kynar 500® Finish, Add	5.29		
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	.....	22.91	6.72
		For Up To 100', Add	3.96		
		For >100' To 250', Add	1.70		
		For >1,000', Deduct	-1.11		
		For Kynar 500® Finish, Add	5.31		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0017 LF 7", 0.032" Thick, Box Style Aluminum Gutter	26.55	7.16
For Up To 100', Add	4.43	
For >100' To 250', Add	1.92	
For >1,000', Deduct	-1.18	
For Kynar 500® Finish, Add	6.62	
07 71 23 00-0018 LF 8", 0.032" Thick, Box Style Aluminum Gutter	29.90	7.60
For Up To 100', Add	4.88	
For >100' To 250', Add	2.12	
For >1,000', Deduct	-1.26	
For Kynar 500® Finish, Add	7.80	
07 71 23 00-0019 Aluminum Gutter End Caps (07 71 23 00-0001)		
07 71 23 00-0020 K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0021 EA 5", K-Style Aluminum Gutter End Cap	4.06	
For Kynar 500® Finish, Add	0.51	
07 71 23 00-0022 EA 6", K-Style Aluminum Gutter End Cap	4.98	
For Kynar 500® Finish, Add	0.92	
07 71 23 00-0023 EA 7", K-Style Aluminum Gutter End Cap	10.59	
For Kynar 500® Finish, Add	3.45	
07 71 23 00-0024 EA 8", K-Style Aluminum Gutter End Cap	12.30	
For Kynar 500® Finish, Add	4.22	
07 71 23 00-0025 Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0026 EA 5", Half Round Aluminum Gutter End Cap	6.42	
For Kynar 500® Finish, Add	1.57	
07 71 23 00-0027 EA 6", Half Round Aluminum Gutter End Cap	9.82	
For Kynar 500® Finish, Add	3.10	
07 71 23 00-0028 Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0029 EA 6", Box Style Aluminum Gutter End Cap	11.53	
For Kynar 500® Finish, Add	3.87	
07 71 23 00-0030 EA 7", Box Style Aluminum Gutter End Cap	12.51	
For Kynar 500® Finish, Add	4.31	
07 71 23 00-0031 EA 8", Box Style Aluminum Gutter End Cap	14.65	
For Kynar 500® Finish, Add	5.27	
07 71 23 00-0032 Aluminum Gutter Miters (07 71 23 00-0001)		
Note: Inside or outside miters.		
07 71 23 00-0033 K-Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0034 EA 5", K-Style Aluminum Gutter Miter	23.72	
For Kynar 500® Finish, Add	4.03	
07 71 23 00-0035 EA 6", K-Style Aluminum Gutter Miter	31.29	
For Kynar 500® Finish, Add	6.98	
07 71 23 00-0036 EA 7", K-Style Aluminum Gutter Miter	91.45	
For Kynar 500® Finish, Add	33.59	
07 71 23 00-0037 EA 8", K-Style Aluminum Gutter Miter	99.25	
For Kynar 500® Finish, Add	36.58	
07 71 23 00-0038 Half Round, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0039 EA 5", Half Round Aluminum Gutter Miter	40.17	
For Kynar 500® Finish, Add	11.43	
07 71 23 00-0040 EA 6", Half Round Aluminum Gutter Miter	62.58	
For Kynar 500® Finish, Add	21.06	
07 71 23 00-0041 Box Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0042 EA 6", Box Style Aluminum Gutter Miter	74.28	
For Kynar 500® Finish, Add	26.33	
07 71 23 00-0043 EA 7", Box Style Aluminum Gutter Miter	110.12	
For Kynar 500® Finish, Add	41.99	
07 71 23 00-0044 EA 8", Box Style Aluminum Gutter Miter	119.57	
For Kynar 500® Finish, Add	45.72	
07 71 23 00-0045 Aluminum Gutter Wire Strainers (07 71 23 00-0001)		
07 71 23 00-0046 EA 3" Diameter, Round Aluminum Wire Strainer	16.53	3.65
For Kynar 500® Finish, Add	4.01	
For 0.024" Thick, Add	1.25	
For 0.027" Thick, Add	2.59	
For 0.031" Thick, Add	3.75	
07 71 23 00-0047 EA 4" Diameter, Round Aluminum Wire Strainer	24.04	3.65
For Kynar 500® Finish, Add	7.39	
For 0.024" Thick, Add	2.30	
For 0.027" Thick, Add	4.76	
For 0.031" Thick, Add	6.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0048 Aluminum Downspouts (07 71 23 00-0001) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049 Round Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0050 LF 3" Diameter, 0.019" Thick, Round Aluminum Downspout.....	8.27	3.51
For Up To 100', Add	1.40	
For >100 To 250', Add	0.60	
For >1,000', Deduct	-0.38	
For Kynar 500® Finish, Add	2.01	
For 0.024" Thick, Add	0.63	
For 0.027" Thick, Add	1.30	
For 0.031" Thick, Add	1.88	
07 71 23 00-0051 LF 4" Diameter, 0.019" Thick, Round Aluminum Downspout.....	9.32	3.51
For Up To 100', Add	1.50	
For >100 To 250', Add	0.66	
For >1,000', Deduct	-0.38	
For Kynar 500® Finish, Add	2.48	
For 0.024" Thick, Add	0.77	
For 0.027" Thick, Add	1.60	
For 0.031" Thick, Add	2.32	
07 71 23 00-0052 Rectangular Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0053 LF 2" x 3", 0.019" Thick, Rectangular Aluminum Downspout.....	6.09	3.51
For Up To 100', Add	1.18	
For >100 To 250', Add	0.49	
For >1,000', Deduct	-0.38	
For Kynar 500® Finish, Add	1.03	
For 0.024" Thick, Add	0.32	
For 0.027" Thick, Add	0.66	
For 0.031" Thick, Add	0.96	
07 71 23 00-0054 LF 3" x 4", 0.019" Thick, Rectangular Aluminum Downspout.....	7.42	3.51
For Up To 100', Add	1.31	
For >100 To 250', Add	0.56	
For >1,000', Deduct	-0.38	
For Kynar 500® Finish, Add	1.63	
For 0.024" Thick, Add	0.51	
For 0.027" Thick, Add	1.05	
For 0.031" Thick, Add	1.52	
07 71 23 00-0055 LF 4" x 5", 0.019" Thick, Rectangular Aluminum Downspout.....	13.04	3.51
For Up To 100', Add	1.87	
For >100 To 250', Add	0.84	
For >1,000', Deduct	-0.38	
For Kynar 500® Finish, Add	4.16	
For 0.024" Thick, Add	1.29	
For 0.027" Thick, Add	2.68	
For 0.031" Thick, Add	3.88	
07 71 23 00-0056 Aluminum Devices (07 71 23 00-0001)		
07 71 23 00-0057 EA Thru-Wall Aluminum Scupper Outlet.....	250.10	25.47
For Kynar 500® Finish, Add	74.33	
07 71 23 00-0058 EA Aluminum Leader/Conductor Head.....	251.05	28.31
For Kynar 500® Finish, Add	87.50	
07 71 23 00-0059 Copper Gutters And Downspouts (07 71 23)		
07 71 23 00-0060 Copper Gutters (07 71 23 00-0059) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061 K-Style Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0062 LF 4", 16 Ounce, K-Style Copper Gutter.....	21.74	5.12
For Up To 100', Add	3.45	
For >100' To 250', Add	1.51	
For >1,000', Deduct	-0.85	
07 71 23 00-0063 LF 5", 16 Ounce, K-Style Copper Gutter.....	30.45	5.41
For Up To 100', Add	4.38	
For >100' To 250', Add	1.97	
For >1,000', Deduct	-0.89	
07 71 23 00-0064 LF 6", 16 Ounce, K-Style Copper Gutter.....	36.19	5.70
For Up To 100', Add	5.02	
For >100' To 250', Add	2.28	
For >1,000', Deduct	-0.94	
07 71 23 00-0065 LF 5", 20 Ounce, K-Style Copper Gutter.....	38.20	5.41
For Up To 100', Add	5.16	
For >100' To 250', Add	2.36	
For >1,000', Deduct	-0.89	
07 71 23 00-0066 LF 6", 20 Ounce, K-Style Copper Gutter.....	47.16	5.70
For Up To 100', Add	6.12	
For >100' To 250', Add	2.83	
For >1,000', Deduct	-0.94	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0067	LF	7"	20 Ounce, K-Style Copper Gutter	54.92	5.99
			<i>For Up To 100', Add</i>	7.00	
			<i>For >100' To 250', Add</i>	3.25	
			<i>For >1,000', Deduct</i>	-1.01	
07 71 23 00-0068	LF	8"	20 Ounce, K-Style Copper Gutter	61.05	6.72
			<i>For Up To 100', Add</i>	7.77	
			<i>For >100' To 250', Add</i>	3.61	
			<i>For >1,000', Deduct</i>	-1.11	
07 71 23 00-0069			Half Round Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0070	LF	5"	16 Ounce, Half Round Copper Gutter	26.42	5.41
			<i>For Up To 100', Add</i>	3.98	
			<i>For >100' To 250', Add</i>	1.77	
			<i>For >1,000', Deduct</i>	-0.89	
07 71 23 00-0071	LF	6"	16 Ounce, Half Round Copper Gutter	33.18	5.70
			<i>For Up To 100', Add</i>	4.72	
			<i>For >100' To 250', Add</i>	2.13	
			<i>For >1,000', Deduct</i>	-0.94	
07 71 23 00-0072	LF	7"	16 Ounce, Half Round Copper Gutter	54.95	5.99
			<i>For Up To 100', Add</i>	7.01	
			<i>For >100' To 250', Add</i>	3.25	
			<i>For >1,000', Deduct</i>	-1.01	
07 71 23 00-0073	LF	5"	20 Ounce, Half Round Copper Gutter	30.65	5.41
			<i>For Up To 100', Add</i>	4.40	
			<i>For >100' To 250', Add</i>	1.98	
			<i>For >1,000', Deduct</i>	-0.89	
07 71 23 00-0074	LF	6"	20 Ounce, Half Round Copper Gutter	37.68	5.70
			<i>For Up To 100', Add</i>	5.17	
			<i>For >100' To 250', Add</i>	2.35	
			<i>For >1,000', Deduct</i>	-0.94	
07 71 23 00-0075	LF	7"	20 Ounce, Half Round Copper Gutter	57.70	5.99
			<i>For Up To 100', Add</i>	7.28	
			<i>For >100' To 250', Add</i>	3.39	
			<i>For >1,000', Deduct</i>	-1.01	
07 71 23 00-0076	LF	8"	20 Ounce, Half Round Copper Gutter	65.50	6.72
			<i>For Up To 100', Add</i>	8.22	
			<i>For >100' To 250', Add</i>	3.83	
			<i>For >1,000', Deduct</i>	-1.11	
07 71 23 00-0077			Box Style Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0078	LF	5"	16 Ounce, Box Style Copper Gutter	30.80	6.13
			<i>For Up To 100', Add</i>	4.61	
			<i>For >100' To 250', Add</i>	2.05	
			<i>For >1,000', Deduct</i>	-1.02	
07 71 23 00-0079	LF	6"	16 Ounce, Box Style Copper Gutter	33.14	6.72
			<i>For Up To 100', Add</i>	4.98	
			<i>For >100' To 250', Add</i>	2.21	
			<i>For >1,000', Deduct</i>	-1.11	
07 71 23 00-0080	LF	7"	16 Ounce, Box Style Copper Gutter	40.02	7.16
			<i>For Up To 100', Add</i>	5.78	
			<i>For >100' To 250', Add</i>	2.59	
			<i>For >1,000', Deduct</i>	-1.18	
07 71 23 00-0081	LF	8"	16 Ounce, Box Style Copper Gutter	40.92	7.60
			<i>For Up To 100', Add</i>	5.98	
			<i>For >100' To 250', Add</i>	2.67	
			<i>For >1,000', Deduct</i>	-1.26	
07 71 23 00-0082	LF	5"	20 Ounce, Box Style Copper Gutter	34.93	6.13
			<i>For Up To 100', Add</i>	5.03	
			<i>For >100' To 250', Add</i>	2.26	
			<i>For >1,000', Deduct</i>	-1.02	
07 71 23 00-0083	LF	6"	20 Ounce, Box Style Copper Gutter	37.27	6.72
			<i>For Up To 100', Add</i>	5.39	
			<i>For >100' To 250', Add</i>	2.42	
			<i>For >1,000', Deduct</i>	-1.11	
07 71 23 00-0084	LF	7"	20 Ounce, Box Style Copper Gutter	44.15	7.16
			<i>For Up To 100', Add</i>	6.19	
			<i>For >100' To 250', Add</i>	2.80	
			<i>For >1,000', Deduct</i>	-1.18	
07 71 23 00-0085	LF	8"	20 Ounce, Box Style Copper Gutter	45.05	7.60
			<i>For Up To 100', Add</i>	6.39	
			<i>For >100' To 250', Add</i>	2.88	
			<i>For >1,000', Deduct</i>	-1.26	
07 71 23 00-0086			Copper Gutter End Caps (07 71 23 00-0059)		
07 71 23 00-0087			K-Style, Copper Gutter End Caps (07 71 23 00-0086)		
07 71 23 00-0088	EA	4"	K-Style Copper Gutter End Cap	7.50	
07 71 23 00-0089	EA	5"	K-Style Copper Gutter End Cap	8.01	
07 71 23 00-0090	EA	6"	K-Style Copper Gutter End Cap	8.51	
07 71 23 00-0091	EA	7"	K-Style Copper Gutter End Cap	22.04	
07 71 23 00-0092	EA	8"	K-Style Copper Gutter End Cap	26.79	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0093 Half Round, Copper Gutter End Caps (07 71 23 00-0086)						
	07 71 23 00-0094	EA		4", Half Round Copper Gutter End Cap	9.00	
	07 71 23 00-0095	EA		5", Half Round Copper Gutter End Cap	10.07	
	07 71 23 00-0096	EA		6", Half Round Copper Gutter End Cap	15.02	
	07 71 23 00-0097	EA		7", Half Round Copper Gutter End Cap	44.49	
	07 71 23 00-0098	EA		8", Half Round Copper Gutter End Cap	52.49	
07 71 23 00-0099 Box Style, Copper Gutter End Caps (07 71 23 00-0086)						
	07 71 23 00-0100	EA		5", Box Style Copper Gutter End Cap	16.97	
	07 71 23 00-0101	EA		6", Box Style Copper Gutter End Cap	17.80	
	07 71 23 00-0102	EA		7", Box Style Copper Gutter End Cap	18.62	
	07 71 23 00-0103	EA		8", Box Style Copper Gutter End Cap	20.27	
07 71 23 00-0104 Copper Gutter Miters (07 71 23 00-0059)						
Note: Inside or outside miters.						
07 71 23 00-0105 K-Style, Copper Gutter Miters (07 71 23 00-0104)						
	07 71 23 00-0106	EA		4", K-Style Copper Gutter Miter	47.63	
	07 71 23 00-0107	EA		5", K-Style Copper Gutter Miter	53.86	
	07 71 23 00-0108	EA		6", K-Style Copper Gutter Miter	76.88	
	07 71 23 00-0109	EA		7", K-Style Copper Gutter Miter	108.10	
	07 71 23 00-0110	EA		8", K-Style Copper Gutter Miter	126.61	
07 71 23 00-0111 Half Round, Copper Gutter Miters (07 71 23 00-0104)						
	07 71 23 00-0112	EA		4", Half Round Copper Gutter Miter	73.46	
	07 71 23 00-0113	EA		5", Half Round Copper Gutter Miter	68.18	
	07 71 23 00-0114	EA		6", Half Round Copper Gutter Miter	97.58	
	07 71 23 00-0115	EA		7", Half Round Copper Gutter Miter	116.14	
	07 71 23 00-0116	EA		8", Half Round Copper Gutter Miter	137.02	
07 71 23 00-0117 Box Style, Copper Gutter Miters (07 71 23 00-0104)						
	07 71 23 00-0118	EA		5", 16 Ounce Box Style Copper Gutter Miter	80.75	
	07 71 23 00-0119	EA		6", 16 Ounce Box Style Copper Gutter Miter	83.42	
	07 71 23 00-0120	EA		7", 16 Ounce Box Style Copper Gutter Miter	91.05	
	07 71 23 00-0121	EA		8", 16 Ounce Box Style Copper Gutter Miter	92.98	
	07 71 23 00-0122	EA		5", 20 Ounce Box Style Copper Gutter Miter	89.01	
	07 71 23 00-0123	EA		6", 20 Ounce Box Style Copper Gutter Miter	91.68	
	07 71 23 00-0124	EA		7", 20 Ounce Box Style Copper Gutter Miter	99.31	
	07 71 23 00-0125	EA		8", 20 Ounce Box Style Copper Gutter Miter	108.74	
07 71 23 00-0126 Copper Gutter Wire Strainers (07 71 23 00-0059)						
	07 71 23 00-0127	EA		2" Diameter, Round Copper Wire Strainer	21.10	3.65
	07 71 23 00-0128	EA		3" Diameter, Round Copper Wire Strainer	25.54	3.65
	07 71 23 00-0129	EA		4" Diameter, Round Copper Wire Strainer	40.01	3.65
	07 71 23 00-0130	EA		5" Diameter, Round Copper Wire Strainer	52.61	3.65
	07 71 23 00-0131	EA		6" Diameter, Round Copper Wire Strainer	63.17	3.65
07 71 23 00-0132 Copper Downspouts (07 71 23 00-0059)						
Note: Includes elbows, hangers and fasteners.						
07 71 23 00-0133 Round Copper Downspouts (07 71 23 00-0132)						
	07 71 23 00-0134	LF		2" Diameter, 16 Ounce, Round Copper Downspout	29.99	3.51
				For Up To 100', Add	3.57	
				For >100 To 250', Add	1.69	
				For >1,000', Deduct	-0.38	
	07 71 23 00-0135	LF		3" Diameter, 16 Ounce, Round Copper Downspout	21.05	3.51
				For Up To 100', Add	2.68	
				For >100 To 250', Add	1.24	
				For >1,000', Deduct	-0.38	
	07 71 23 00-0136	LF		4" Diameter, 16 Ounce, Round Copper Downspout	26.40	3.51
				For Up To 100', Add	3.21	
				For >100 To 250', Add	1.51	
				For >1,000', Deduct	-0.38	
	07 71 23 00-0137	LF		5" Diameter, 16 Ounce, Round Copper Downspout	41.86	3.51
				For Up To 100', Add	4.76	
				For >100 To 250', Add	2.28	
				For >1,000', Deduct	-0.38	
	07 71 23 00-0138	LF		6" Diameter, 16 Ounce, Round Copper Downspout	53.67	3.51
				For Up To 100', Add	5.94	
				For >100 To 250', Add	2.87	
				For >1,000', Deduct	-0.38	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0139	LF		3" Diameter, 20 Ounce, Round Copper Downspout.....	28.29	3.51
			<i>For Up To 100', Add</i>	3.40	
			<i>For >100 To 250', Add</i>	1.60	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0140	LF		4" Diameter, 20 Ounce, Round Copper Downspout.....	36.55	3.51
			<i>For Up To 100', Add</i>	4.23	
			<i>For >100 To 250', Add</i>	2.02	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0141	LF		5" Diameter, 20 Ounce, Round Copper Downspout.....	55.28	3.51
			<i>For Up To 100', Add</i>	6.10	
			<i>For >100 To 250', Add</i>	2.95	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0142 Square Copper Downspouts (07 71 23 00-0132)					
07 71 23 00-0143	LF		3" Diameter, 16 Ounce, Square Copper Downspout.....	14.75	3.51
			<i>For Up To 100', Add</i>	2.05	
			<i>For >100 To 250', Add</i>	0.93	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0144	LF		4" Diameter, 16 Ounce, Square Copper Downspout.....	18.29	3.51
			<i>For Up To 100', Add</i>	2.40	
			<i>For >100 To 250', Add</i>	1.10	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0145	LF		5" Diameter, 16 Ounce, Square Copper Downspout.....	25.96	3.51
			<i>For Up To 100', Add</i>	3.17	
			<i>For >100 To 250', Add</i>	1.49	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0146	LF		3" Diameter, 20 Ounce, Square Copper Downspout.....	16.94	3.51
			<i>For Up To 100', Add</i>	2.26	
			<i>For >100 To 250', Add</i>	1.04	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0147	LF		4" Diameter, 20 Ounce, Square Copper Downspout.....	21.37	3.51
			<i>For Up To 100', Add</i>	2.71	
			<i>For >100 To 250', Add</i>	1.26	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0148	LF		5" Diameter, 20 Ounce, Square Copper Downspout.....	30.46	3.51
			<i>For Up To 100', Add</i>	3.62	
			<i>For >100 To 250', Add</i>	1.71	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0149 Rectangular Copper Downspouts (07 71 23 00-0132)					
07 71 23 00-0150	LF		2" x 3", 16 Ounce, Rectangular Copper Downspout.....	21.60	3.51
			<i>For Up To 100', Add</i>	2.73	
			<i>For >100 To 250', Add</i>	1.27	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0151	LF		3" x 4", 16 Ounce, Rectangular Copper Downspout.....	27.18	3.51
			<i>For Up To 100', Add</i>	3.29	
			<i>For >100 To 250', Add</i>	1.55	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0152	LF		4" x 5", 16 Ounce, Rectangular Copper Downspout.....	38.44	3.51
			<i>For Up To 100', Add</i>	4.41	
			<i>For >100 To 250', Add</i>	2.11	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0153	LF		2" x 3", 20 Ounce, Rectangular Copper Downspout.....	25.07	3.51
			<i>For Up To 100', Add</i>	3.08	
			<i>For >100 To 250', Add</i>	1.44	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0154	LF		3" x 4", 20 Ounce, Rectangular Copper Downspout.....	31.99	3.51
			<i>For Up To 100', Add</i>	3.77	
			<i>For >100 To 250', Add</i>	1.79	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0155	LF		4" x 5", 20 Ounce, Rectangular Copper Downspout.....	45.69	3.51
			<i>For Up To 100', Add</i>	5.14	
			<i>For >100 To 250', Add</i>	2.47	
			<i>For >1,000', Deduct</i>	-0.38	
07 71 23 00-0156 Copper Devices And Accessories (07 71 23 00-0059)					
07 71 23 00-0157	EA		Thru-Wall Copper Scupper Outlet.....	234.00	25.47
07 71 23 00-0158	EA		Copper Leader/Conductor Head.....	340.43	28.31
07 71 23 00-0159	EA		Copper Eave Box.....	159.77	21.92
07 71 23 00-0160 Galvanized Steel Gutters And Downspouts (07 71 23)					
07 71 23 00-0161 Galvanized Steel Gutters (07 71 23 00-0160)					
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.					
07 71 23 00-0162 K-Style Galvanized Steel Gutters (07 71 23 00-0161)					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0163 LF 5", 26 Gauge, K-Style Galvanized Steel Gutter	14.52	5.41
For Up To 100', Add	2.79	
For >100' To 250', Add	1.17	
For >1,000', Deduct	-0.89	
For Kynar 500® Finish, Add	2.52	
For 24 Gauge, Add	1.57	
For 22 Gauge, Add	3.09	
07 71 23 00-0164 LF 6", 26 Gauge, K-Style Galvanized Steel Gutter	16.67	5.70
For Up To 100', Add	3.07	
For >100' To 250', Add	1.30	
For >1,000', Deduct	-0.94	
For Kynar 500® Finish, Add	3.29	
For 24 Gauge, Add	2.05	
For 22 Gauge, Add	4.03	
07 71 23 00-0165 LF 7", 26 Gauge, K-Style Galvanized Steel Gutter	32.60	5.99
For Up To 100', Add	4.77	
For >100' To 250', Add	2.13	
For >1,000', Deduct	-1.01	
For Kynar 500® Finish, Add	10.13	
For 24 Gauge, Add	6.31	
For 22 Gauge, Add	12.39	
07 71 23 00-0166 LF 8", 26 Gauge, K-Style Galvanized Steel Gutter	34.48	6.72
For Up To 100', Add	5.11	
For >100' To 250', Add	2.28	
For >1,000', Deduct	-1.11	
For Kynar 500® Finish, Add	10.52	
For 24 Gauge, Add	6.55	
For 22 Gauge, Add	12.86	
07 71 23 00-0167 Half Round Galvanized Steel Gutters (07 71 23 00-0161)		
07 71 23 00-0168 LF 5", 26 Gauge, Half Round Galvanized Steel Gutter	20.31	5.41
For Up To 100', Add	3.37	
For >100' To 250', Add	1.46	
For >1,000', Deduct	-0.89	
For Kynar 500® Finish, Add	5.13	
For 24 Gauge, Add	3.19	
For 22 Gauge, Add	6.27	
07 71 23 00-0169 LF 6", 26 Gauge, Half Round Galvanized Steel Gutter	25.20	5.70
For Up To 100', Add	3.92	
For >100' To 250', Add	1.73	
For >1,000', Deduct	-0.94	
For Kynar 500® Finish, Add	7.13	
For 24 Gauge, Add	4.44	
For 22 Gauge, Add	8.72	
07 71 23 00-0170 LF 7", 26 Gauge, Half Round Galvanized Steel Gutter	60.57	5.99
For Up To 100', Add	7.57	
For >100' To 250', Add	3.53	
For >1,000', Deduct	-1.01	
For Kynar 500® Finish, Add	22.72	
For 24 Gauge, Add	14.14	
For 22 Gauge, Add	27.77	
07 71 23 00-0171 LF 8", 26 Gauge, Half Round Galvanized Steel Gutter	64.69	6.72
For Up To 100', Add	8.13	
For >100' To 250', Add	3.79	
For >1,000', Deduct	-1.11	
For Kynar 500® Finish, Add	24.12	
For 24 Gauge, Add	15.01	
For 22 Gauge, Add	29.47	
07 71 23 00-0172 Box Style Galvanized Steel Gutters (07 71 23 00-0161)		
07 71 23 00-0173 LF 5", 24 Gauge, Box Style Galvanized Steel Gutter	24.21	6.13
For Up To 100', Add	3.96	
For >100' To 250', Add	1.72	
For >1,000', Deduct	-1.02	
For Kynar 500® Finish, Add	6.29	
For 22 Gauge, Add	3.08	
07 71 23 00-0174 LF 6", 24 Gauge, Box Style Galvanized Steel Gutter	28.22	6.72
For Up To 100', Add	4.49	
For >100' To 250', Add	1.97	
For >1,000', Deduct	-1.11	
For Kynar 500® Finish, Add	7.70	
For 22 Gauge, Add	3.77	
07 71 23 00-0175 LF 7", 24 Gauge, Box Style Galvanized Steel Gutter	34.83	5.99
For Up To 100', Add	5.00	
For >100' To 250', Add	2.25	
For >1,000', Deduct	-1.01	
For Kynar 500® Finish, Add	11.14	
For 22 Gauge, Add	5.45	
07 71 23 00-0176 LF 8", 24 Gauge, Box Style Galvanized Steel Gutter	38.98	7.60
For Up To 100', Add	5.78	
For >100' To 250', Add	2.58	
For >1,000', Deduct	-1.26	
For Kynar 500® Finish, Add	11.88	
For 22 Gauge, Add	5.81	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 23 00-0177	Galvanized Steel Gutter End Caps (07 71 23 00-0160)		
07 71 23 00-0178	K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)		
07 71 23 00-0179	EA 5", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	6.29 1.51	
07 71 23 00-0180	EA 6", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	7.17 1.91	
07 71 23 00-0181	EA 7", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	15.02 5.44	
07 71 23 00-0182	EA 8", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	21.57 8.39	
07 71 23 00-0183	Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0177)		
07 71 23 00-0184	EA 5", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	7.95 2.26	
07 71 23 00-0185	EA 6", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	9.08 2.77	
07 71 23 00-0186	EA 7", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	16.52 6.12	
07 71 23 00-0187	EA 8", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	22.16 8.65	
07 71 23 00-0188	Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)		
07 71 23 00-0189	EA 5", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	13.89 4.93	
07 71 23 00-0190	EA 6", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	16.63 6.17	
07 71 23 00-0191	EA 7", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	18.57 7.04	
07 71 23 00-0192	EA 8", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	24.72 9.81	
07 71 23 00-0193	Galvanized Steel Gutter Miters (07 71 23 00-0160) Note: Inside or outside miters.		
07 71 23 00-0194	K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0193)		
07 71 23 00-0195	EA 5", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	37.53 10.25	
07 71 23 00-0196	EA 6", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	59.34 19.60	
07 71 23 00-0197	EA 7", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	93.41 34.47	
07 71 23 00-0198	EA 8", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	104.83 39.09	
07 71 23 00-0199	Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0193)		
07 71 23 00-0200	EA 5", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	50.40 16.04	
07 71 23 00-0201	EA 6", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	56.49 18.32	
07 71 23 00-0202	EA 7", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	155.25 62.30	
07 71 23 00-0203	EA 8", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	164.11 65.76	
07 71 23 00-0204	Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0193)		
07 71 23 00-0205	EA 5", Box Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	47.82 14.88	
07 71 23 00-0206	EA 6", Box Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	76.38 27.27	
07 71 23 00-0207	EA 7", Box Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	98.54 36.78	
07 71 23 00-0208	EA 8", Box Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	104.83 39.09	
07 71 23 00-0209	Galvanized Steel Gutter Wire Strainers (07 71 23 00-0160)		
07 71 23 00-0210	EA 3" Diameter, Round Galvanized Steel Wire Strainer <i>For Kynar 500® Finish, Add</i>	14.71 3.20	3.65
07 71 23 00-0211	EA 4" Diameter, Round Galvanized Steel Wire Strainer <i>For Kynar 500® Finish, Add</i>	20.76 5.92	3.65
07 71 23 00-0212	Galvanized Steel Downspouts (07 71 23 00-0160) Note: Includes elbows, hangers and fasteners.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0213 Round Galvanized Steel Downspouts <small>(07 71 23 00-0212)</small>		
07 71 23 00-0214 LF 3" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	7.89	3.51
For Up To 100', Add	1.36	
For >100 To 250', Add	0.58	
For >1,000', Deduct	-0.38	
For Kynar 500® Finish, Add	1.84	
For 24 Gauge, Add	1.15	
For 22 Gauge, Add	2.25	
07 71 23 00-0215 LF 4" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	9.65	3.51
For Up To 100', Add	1.54	
For >100 To 250', Add	0.67	
For >1,000', Deduct	-0.38	
For Kynar 500® Finish, Add	2.63	
For 24 Gauge, Add	1.64	
For 22 Gauge, Add	3.22	
07 71 23 00-0216 LF 5" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	12.89	3.51
For Up To 100', Add	1.86	
For >100 To 250', Add	0.83	
For >1,000', Deduct	-0.38	
For Kynar 500® Finish, Add	4.09	
For 24 Gauge, Add	2.55	
For 22 Gauge, Add	5.00	
07 71 23 00-0217 LF 6" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	27.85	3.51
For Up To 100', Add	3.36	
For >100 To 250', Add	1.58	
For >1,000', Deduct	-0.38	
For Kynar 500® Finish, Add	10.82	
For 24 Gauge, Add	6.73	
For 22 Gauge, Add	13.23	
07 71 23 00-0218 Square Galvanized Steel Downspouts <small>(07 71 23 00-0212)</small>		
07 71 23 00-0219 LF 4" x 4", 26 Gauge, Square Galvanized Steel Downspout	8.87	3.51
For Up To 100', Add	1.46	
For >100 To 250', Add	0.63	
For >1,000', Deduct	-0.38	
For Kynar 500® Finish, Add	2.28	
For 24 Gauge, Add	1.42	
For 22 Gauge, Add	2.79	
07 71 23 00-0220 LF 5" x 5", 26 Gauge, Square Galvanized Steel Downspout	11.18	3.51
For Up To 100', Add	1.69	
For >100 To 250', Add	0.75	
For >1,000', Deduct	-0.38	
For Kynar 500® Finish, Add	3.32	
For 24 Gauge, Add	2.07	
For 22 Gauge, Add	4.06	
07 71 23 00-0221 Rectangular Galvanized Steel Downspouts <small>(07 71 23 00-0212)</small>		
07 71 23 00-0222 LF 2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout.....	8.03	3.51
For Up To 100', Add	1.37	
For >100 To 250', Add	0.59	
For >1,000', Deduct	-0.38	
For Kynar 500® Finish, Add	1.90	
For 24 Gauge, Add	1.18	
For 22 Gauge, Add	2.33	
07 71 23 00-0223 LF 3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout.....	10.05	3.51
For Up To 100', Add	1.58	
For >100 To 250', Add	0.69	
For >1,000', Deduct	-0.38	
For Kynar 500® Finish, Add	2.81	
For 24 Gauge, Add	1.75	
For 22 Gauge, Add	3.44	
07 71 23 00-0224 LF 4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout.....	18.09	3.51
For Up To 100', Add	2.38	
For >100 To 250', Add	1.09	
For >1,000', Deduct	-0.38	
For Kynar 500® Finish, Add	6.43	
For 24 Gauge, Add	4.00	
For 22 Gauge, Add	7.86	
07 71 23 00-0225 Galvanized Steel Devices <small>(07 71 23 00-0160)</small>		
07 71 23 00-0226 EA Galvanized Steel Leader/Conductor Head.....	318.18	28.31
For Kynar 500® Finish, Add	117.71	
07 71 23 00-0227 EA Thru-Wall Galvanized Steel Scupper Outlet	178.58	25.47
For Kynar 500® Finish, Add	42.15	
07 71 23 00-0228 Stainless Steel Gutters And Downspouts <small>(07 71 23)</small>		
Note: AISI type 304 stainless steel.		
07 71 23 00-0229 Stainless Steel Gutters <small>(07 71 23 00-0228)</small>		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0230			K-Style, Stainless Steel Gutters (07 71 23 00-0229)		
07 71 23 00-0231	LF		5", 26 Gauge, K-Style Stainless Steel Gutter.....	34.69	5.41
			<i>For Up To 100', Add</i>	4.81	
			<i>For >100' To 250', Add</i>	2.18	
			<i>For >1,000', Deduct</i>	-0.89	
			<i>For 316 Stainless Steel, Add</i>	9.80	
			<i>For 24 Gauge, Add</i>	8.51	
			<i>For 22 Gauge, Add</i>	17.01	
			<i>For 20 Gauge, Add</i>	25.52	
07 71 23 00-0232	LF		6", 26 Gauge, K-Style Stainless Steel Gutter.....	41.58	5.70
			<i>For Up To 100', Add</i>	5.56	
			<i>For >100' To 250', Add</i>	2.55	
			<i>For >1,000', Deduct</i>	-0.94	
			<i>For 316 Stainless Steel, Add</i>	12.25	
			<i>For 24 Gauge, Add</i>	10.64	
			<i>For 22 Gauge, Add</i>	21.27	
			<i>For 20 Gauge, Add</i>	31.91	
07 71 23 00-0233			Half Round, Stainless Steel Gutters (07 71 23 00-0229)		
07 71 23 00-0234	LF		5", 26 Gauge, Half Round Stainless Steel Gutter.....	47.94	5.41
			<i>For Up To 100', Add</i>	6.13	
			<i>For >100' To 250', Add</i>	2.84	
			<i>For >1,000', Deduct</i>	-0.89	
			<i>For 316 Stainless Steel, Add</i>	14.83	
			<i>For 24 Gauge, Add</i>	12.88	
			<i>For 22 Gauge, Add</i>	25.76	
			<i>For 20 Gauge, Add</i>	38.64	
07 71 23 00-0235	LF		6", 26 Gauge, Half Round Stainless Steel Gutter.....	58.06	5.70
			<i>For Up To 100', Add</i>	7.21	
			<i>For >100' To 250', Add</i>	3.37	
			<i>For >1,000', Deduct</i>	-0.94	
			<i>For 316 Stainless Steel, Add</i>	18.51	
			<i>For 24 Gauge, Add</i>	16.07	
			<i>For 22 Gauge, Add</i>	32.15	
			<i>For 20 Gauge, Add</i>	48.22	
07 71 23 00-0236			Box Style, Stainless Steel Gutters (07 71 23 00-0229)		
07 71 23 00-0237	LF		5", 26 Gauge, Box Style Stainless Steel Gutter.....	46.99	6.13
			<i>For Up To 100', Add</i>	6.23	
			<i>For >100' To 250', Add</i>	2.86	
			<i>For >1,000', Deduct</i>	-1.02	
			<i>For 316 Stainless Steel, Add</i>	13.97	
			<i>For 24 Gauge, Add</i>	12.13	
			<i>For 22 Gauge, Add</i>	24.26	
			<i>For 20 Gauge, Add</i>	36.39	
			<i>For 18 Gauge, Add</i>	61.02	
			<i>For Seamless Gutter, Add</i>	-0.30	
07 71 23 00-0238	LF		6", 26 Gauge, Box Style Stainless Steel Gutter.....	57.28	6.72
			<i>For Up To 100', Add</i>	7.39	
			<i>For >100' To 250', Add</i>	3.42	
			<i>For >1,000', Deduct</i>	-1.11	
			<i>For 316 Stainless Steel, Add</i>	17.55	
			<i>For 24 Gauge, Add</i>	15.24	
			<i>For 22 Gauge, Add</i>	30.48	
			<i>For 20 Gauge, Add</i>	45.72	
			<i>For 18 Gauge, Add</i>	76.66	
			<i>For Seamless Gutter, Add</i>	-0.64	
07 71 23 00-0239	LF		7", 26 Gauge, Box Style Stainless Steel Gutter.....	67.64	7.16
			<i>For Up To 100', Add</i>	8.54	
			<i>For >100' To 250', Add</i>	3.97	
			<i>For >1,000', Deduct</i>	-1.18	
			<i>For 316 Stainless Steel, Add</i>	21.21	
			<i>For 24 Gauge, Add</i>	18.42	
			<i>For 22 Gauge, Add</i>	36.83	
			<i>For 20 Gauge, Add</i>	55.25	
			<i>For 18 Gauge, Add</i>	92.64	
			<i>For Seamless Gutter, Add</i>	-1.02	
07 71 23 00-0240	LF		8", 26 Gauge, Box Style Stainless Steel Gutter.....	73.55	7.60
			<i>For Up To 100', Add</i>	9.24	
			<i>For >100' To 250', Add</i>	4.31	
			<i>For >1,000', Deduct</i>	-1.26	
			<i>For 316 Stainless Steel, Add</i>	23.17	
			<i>For 24 Gauge, Add</i>	20.12	
			<i>For 22 Gauge, Add</i>	40.25	
			<i>For 20 Gauge, Add</i>	60.37	
			<i>For 18 Gauge, Add</i>	101.23	
			<i>For Seamless Gutter, Add</i>	-1.16	
07 71 23 00-0241			Stainless Steel Gutter End Caps (07 71 23 00-0228)		
07 71 23 00-0242			K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0243 EA 5", K-Style Stainless Steel Gutter End Cap..... <i>For 316 Stainless Steel, Add</i>	10.99 3.06	
07 71 23 00-0244 EA 6", K-Style Stainless Steel Gutter End Cap..... <i>For 316 Stainless Steel, Add</i>	12.61 3.68	
07 71 23 00-0245 Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0241)		
07 71 23 00-0246 EA 5", Half Round Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	13.01 3.83	
07 71 23 00-0247 EA 6", Half Round Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	15.03 4.60	
07 71 23 00-0248 Box Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)		
07 71 23 00-0249 EA 5", Box Style Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	13.73 3.83	
07 71 23 00-0250 EA 6", Box Style Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	15.75 4.60	
07 71 23 00-0251 EA 7", Box Style Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	16.47 4.96	
07 71 23 00-0252 EA 8", Box Style Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	19.98 6.11	
07 71 23 00-0253 Stainless Steel Gutter Miters (07 71 23 00-0228) Note: Inside or outside box miters.		
07 71 23 00-0254 K-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)		
07 71 23 00-0255 EA 5", K-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	56.42 15.83	
07 71 23 00-0256 EA 6", K-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	89.70 28.09	
07 71 23 00-0257 Half Round, Stainless Steel Gutter Miters (07 71 23 00-0253)		
07 71 23 00-0258 EA 5", Half Round Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	137.06 46.47	
07 71 23 00-0259 EA 6", Half Round Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	167.59 57.69	
07 71 23 00-0260 Box-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)		
07 71 23 00-0261 EA 5", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	64.75 19.00	
07 71 23 00-0262 EA 6", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	104.48 33.71	
07 71 23 00-0263 EA 7", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	120.28 39.32	
07 71 23 00-0264 EA 8", Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	136.24 44.94	
07 71 23 00-0265 Stainless Steel Gutter Wire Strainers (07 71 23 00-0228)		
07 71 23 00-0266 EA 3" Diameter, Round Stainless Steel Wire Strainer	45.81	3.65
07 71 23 00-0267 EA 4" Diameter, Round Stainless Steel Wire Strainer	46.86	3.65
07 71 23 00-0268 Stainless Steel Downspouts (07 71 23 00-0228) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0269 Round Stainless Steel Downspouts (07 71 23 00-0268)		
07 71 23 00-0270 LF 3" Diameter, 26 Gauge, Round Stainless Steel Downspout	20.46 2.62 1.21 -0.38 6.33 5.50 11.00 16.49	3.51
<i>For Up To 100', Add</i>		
<i>For >100 To 250', Add</i>		
<i>For >1,000', Deduct</i>		
<i>For 316 Stainless Steel, Add</i>		
<i>For 24 Gauge, Add</i>		
<i>For 22 Gauge, Add</i>		
<i>For 20 Gauge, Add</i>		
07 71 23 00-0271 LF 4" Diameter, 26 Gauge, Round Stainless Steel Downspout	26.92 3.26 1.54 -0.38 8.79 7.63 15.26 22.89	3.51
<i>For Up To 100', Add</i>		
<i>For >100 To 250', Add</i>		
<i>For >1,000', Deduct</i>		
<i>For 316 Stainless Steel, Add</i>		
<i>For 24 Gauge, Add</i>		
<i>For 22 Gauge, Add</i>		
<i>For 20 Gauge, Add</i>		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0272	LF		5" Diameter, 26 Gauge, Round Stainless Steel Downspout	39.12	3.51
			<i>For Up To 100', Add</i>	4.48	
			<i>For >100 To 250', Add</i>	2.15	
			<i>For >1,000', Deduct</i>	-0.38	
			<i>For 316 Stainless Steel, Add</i>	13.42	
			<i>For 24 Gauge, Add</i>	11.66	
			<i>For 22 Gauge, Add</i>	23.31	
			<i>For 20 Gauge, Add</i>	34.97	
07 71 23 00-0273			Rectangular Stainless Steel Downspouts (07 71 23 00-0268)		
07 71 23 00-0274	LF		2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout	20.93	3.51
			<i>For Up To 100', Add</i>	2.66	
			<i>For >100 To 250', Add</i>	1.24	
			<i>For >1,000', Deduct</i>	-0.38	
			<i>For 316 Stainless Steel, Add</i>	6.51	
			<i>For 24 Gauge, Add</i>	5.65	
			<i>For 22 Gauge, Add</i>	11.31	
			<i>For 20 Gauge, Add</i>	16.96	
			<i>For 18 Gauge, Add</i>	28.44	
07 71 23 00-0275	LF		3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout	27.88	3.51
			<i>For Up To 100', Add</i>	3.36	
			<i>For >100 To 250', Add</i>	1.58	
			<i>For >1,000', Deduct</i>	-0.38	
			<i>For 316 Stainless Steel, Add</i>	9.15	
			<i>For 24 Gauge, Add</i>	7.95	
			<i>For 22 Gauge, Add</i>	15.89	
			<i>For 20 Gauge, Add</i>	23.84	
			<i>For 18 Gauge, Add</i>	39.97	
07 71 23 00-0276	LF		4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout	36.02	3.51
			<i>For Up To 100', Add</i>	4.17	
			<i>For >100 To 250', Add</i>	1.99	
			<i>For >1,000', Deduct</i>	-0.38	
			<i>For 316 Stainless Steel, Add</i>	12.24	
			<i>For 24 Gauge, Add</i>	10.63	
			<i>For 22 Gauge, Add</i>	21.27	
			<i>For 20 Gauge, Add</i>	31.90	
			<i>For 18 Gauge, Add</i>	53.49	
07 71 23 00-0277			Stainless Steel Devices (07 71 23 00-0228)		
07 71 23 00-0278	EA		Thru-Wall Stainless Steel Scupper Outlet	238.21	32.88
			<i>For 316 Stainless Steel, Add</i>	48.88	
07 71 23 00-0279	EA		Stainless Steel Leader/Conductor Head	439.26	32.88
			<i>For 316 Stainless Steel, Add</i>	139.16	
07 71 23 00-0280			Vinyl Gutters And Downspouts (07 71 23)		
07 71 23 00-0281			Vinyl Gutters (07 71 23 00-0280)		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0282			K-Style Vinyl Gutters (07 71 23 00-0281)		
07 71 23 00-0283	LF		4", K-Style Vinyl Gutter	12.51	3.65
			<i>For Up To 100', Add</i>	2.16	
			<i>For >100' To 250', Add</i>	0.93	
			<i>For >1,000', Deduct</i>	-0.61	
07 71 23 00-0284	LF		5", K-Style Vinyl Gutter	15.81	3.65
			<i>For Up To 100', Add</i>	2.49	
			<i>For >100' To 250', Add</i>	1.10	
			<i>For >1,000', Deduct</i>	-0.61	
07 71 23 00-0285			Half Round Vinyl Gutters (07 71 23 00-0281)		
07 71 23 00-0286	LF		4", Half Round Vinyl Gutter	12.88	3.65
			<i>For Up To 100', Add</i>	2.20	
			<i>For >100' To 250', Add</i>	0.95	
			<i>For >1,000', Deduct</i>	-0.61	
07 71 23 00-0287	LF		5", Half Round Vinyl Gutter	13.49	3.65
			<i>For Up To 100', Add</i>	2.26	
			<i>For >100' To 250', Add</i>	0.98	
			<i>For >1,000', Deduct</i>	-0.61	
07 71 23 00-0288			Vinyl Gutter End Caps (07 71 23 00-0288)		
07 71 23 00-0289			K-Style, Vinyl Gutter End Caps (07 71 23 00-0288)		
07 71 23 00-0290	EA		4", K-Style Vinyl Gutter End Cap	7.58	
07 71 23 00-0291	EA		5", K-Style Vinyl Gutter End Cap	10.32	
07 71 23 00-0292			Half Round, Vinyl Gutter End Caps (07 71 23 00-0288)		
07 71 23 00-0293	EA		4", Half Round Vinyl Gutter End Cap	8.60	
07 71 23 00-0294	EA		5", Half Round Vinyl Gutter End Cap	8.14	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0295				Vinyl Gutter Miters (07 71 23 00-0280) Note: Inside or outside miters.		
07 71 23 00-0296				K-Style, Vinyl Gutter Miters (07 71 23 00-0295)		
07 71 23 00-0297	EA			4", K-Style Vinyl Gutter Miter	18.50	
07 71 23 00-0298	EA			5", K-Style Vinyl Gutter Miter	27.35	
07 71 23 00-0299				Half Round, Vinyl Gutter Miters (07 71 23 00-0295)		
07 71 23 00-0300	EA			4", Half Round Vinyl Gutter Miter	18.50	
07 71 23 00-0301	EA			5", Half Round Vinyl Gutter Miter	20.02	
07 71 23 00-0302				Vinyl Downspouts (07 71 23 00-0280) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0303				Round Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0304	LF			2-1/2" Diameter, Round Vinyl Downspout.....	8.18	3.51
				For Up To 100', Add	1.39	
				For >100 To 250', Add	0.60	
				For >1,000', Deduct	-0.38	
07 71 23 00-0305	LF			3" Diameter, Round Vinyl Downspout.....	8.50	3.51
				For Up To 100', Add	1.42	
				For >100 To 250', Add	0.62	
				For >1,000', Deduct	-0.38	
07 71 23 00-0306				Square Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0307	LF			2-1/2", Square Vinyl Downspout	8.05	3.51
				For Up To 100', Add	1.38	
				For >100 To 250', Add	0.59	
				For >1,000', Deduct	-0.38	
07 71 23 00-0308				Rectangular Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0309	LF			2" x 3", Rectangular Vinyl Downspout.....	10.12	3.51
				For Up To 100', Add	1.58	
				For >100 To 250', Add	0.70	
				For >1,000', Deduct	-0.38	
07 71 23 00-0310				Gutter And Downspout Boots (07 71 23)		
07 71 23 00-0311				Cast Iron Roof Drainage Downspout Boots (07 71 23 00-0310)		
07 71 23 00-0312	EA			2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	326.12	5.26
07 71 23 00-0313	EA			3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	425.00	5.26
07 71 23 00-0314	EA			4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	507.22	5.26
07 71 23 00-0315				Cast Iron Roof Drainage Downspout Boots With Cleanouts (07 71 23 00-0310)		
07 71 23 00-0316	EA			3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	563.22	5.26
07 71 23 00-0317	EA			4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	687.99	5.26
07 71 23 00-0318	EA			5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	1,248.33	5.26
07 71 23 00-0319				Wall Mounted Downspout Covers With Hinged Perforated Cover (07 71 23)		
07 71 23 00-0320	EA			3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03).....	1,138.41	36.58
				For Polished Brass Finish (-PB), Add	106.53	
				For Chrome Plated Finish (-CP), Add	159.79	
				For Vandal Proof (-U), Add	53.26	
07 71 23 00-0321	EA			4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04).....	1,162.80	48.77
				For Polished Brass Finish (-PB), Add	106.53	
				For Chrome Plated Finish (-CP), Add	159.79	
				For Vandal Proof (-U), Add	53.26	
07 71 23 00-0322	EA			6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06).....	1,245.34	60.14
				For Polished Brass Finish (-PB), Add	112.51	
				For Chrome Plated Finish (-CP), Add	168.76	
				For Vandal Proof (-U), Add	56.25	
07 71 23 00-0323	EA			8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08).....	1,331.07	75.94
				For Polished Brass Finish (-PB), Add	117.92	
				For Chrome Plated Finish (-CP), Add	176.88	
				For Vandal Proof (-U), Add	58.96	
07 71 23 00-0324	EA			10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10).....	1,434.88	93.55
				For Polished Brass Finish (-PB), Add	124.78	
				For Chrome Plated Finish (-CP), Add	187.17	
				For Vandal Proof (-U), Add	62.39	
07 71 23 00-0325	EA			12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12).....	1,584.78	130.60
				For Polished Brass Finish (-PB), Add	132.36	
				For Chrome Plated Finish (-CP), Add	198.54	
				For Vandal Proof (-U), Add	66.18	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0326	EA		15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15).....	1,761.60	181.64
			For Polished Brass Finish (-PB), Add	139.83	
			For Chrome Plated Finish (-CP), Add	209.75	
			For Vandal Proof (-U), Add	69.92	
07 71 23 00-0327			Wall Mounted Downspout Nozzle (07 71 23)		
07 71 23 00-0328	EA		3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03).....	303.12	36.58
			For Nickel Bronze Finish (-NB), Add	160.97	
			For Polished Bronze Finish (-PB), Add	126.48	
			For Chrome Plated Finish (-CP), Add	204.66	
07 71 23 00-0329	EA		4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04).....	327.51	48.77
			For Nickel Bronze Finish (-NB), Add	160.97	
			For Polished Bronze Finish (-PB), Add	126.48	
			For Chrome Plated Finish (-CP), Add	204.66	
07 71 23 00-0330	EA		6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06).....	665.80	60.14
			For Nickel Bronze Finish (-NB), Add	163.66	
			For Polished Bronze Finish (-PB), Add	92.74	
			For Chrome Plated Finish (-CP), Add	240.03	
07 71 23 00-0331	EA		8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08).....	979.94	75.94
			For Nickel Bronze Finish (-NB), Add	140.77	
			For Polished Bronze Finish (-PB), Add	107.65	
			For Chrome Plated Finish (-CP), Add	240.14	
07 71 23 00-0332	EA		10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10).....	1,262.15	93.55
			For Nickel Bronze Finish (-NB), Add	182.76	
			For Polished Bronze Finish (-PB), Add	139.76	
			For Chrome Plated Finish (-CP), Add	311.76	
07 71 23 00-0333	EA		12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12).....	1,613.66	130.60
			For Nickel Bronze Finish (-NB), Add	229.92	
			For Polished Bronze Finish (-PB), Add	175.82	
			For Chrome Plated Finish (-CP), Add	392.21	
07 71 23 00-0334			Leaf Guards And Cleaning (07 71 23)		
07 71 23 00-0335	LF		Aluminum Mesh Gutter Leaf Guard (07 71 23)	3.94	0.97
			For Up To 100', Add	0.68	
			For >100' To 250', Add	0.29	
			For >1,000', Deduct	-0.19	
07 71 23 00-0336	LF		Vinyl Mesh Gutter Leaf Guard.....	3.08	0.97
			For Up To 100', Add	0.60	
			For >100' To 250', Add	0.25	
			For >1,000', Deduct	-0.19	
07 71 23 00-0337	LF		6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire.....	12.80	1.21
			For Up To 100', Add	1.65	
			For >100' To 250', Add	0.76	
			For >1,000', Deduct	-0.25	
07 71 23 00-0338	LF		9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire.....	18.00	1.21
			For Up To 100', Add	2.17	
			For >100' To 250', Add	1.02	
			For >1,000', Deduct	-0.25	
07 71 23 00-0339	LF		6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh.....	9.76	1.21
			For Up To 100', Add	1.27	
			For >100' To 250', Add	0.58	
			For >1,000', Deduct	-0.19	
07 71 23 00-0340	LF		9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh.....	14.74	1.21
			For Up To 100', Add	1.76	
			For >100' To 250', Add	0.83	
			For >1,000', Deduct	-0.19	
07 71 23 00-0341	EA		Cleanout Roof Drain	152.89	
			Note: Includes removing dome and flushing.		
07 71 23 00-0342	LF		Cleanout Roof Gutters And Downspouts	1.81	
07 71 26			Reglets (07 71)		
07 71 26 00-0001			Counter Flashing With Reglet (07 71 26)		
			Note: Includes reglet cut.		
07 71 26 00-0002			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004	LF		28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	16.64	5.04
07 71 26 00-0005	LF		26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	16.83	5.04
07 71 26 00-0006	LF		24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	17.14	5.04
07 71 26 00-0007	LF		22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	18.33	5.04
07 71 26 00-0008	LF		20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.01	5.04
07 71 26 00-0009	LF		18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.79	5.04
07 71 26 00-0010			KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011	LF		28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	19.60	5.04
07 71 26 00-0012	LF		26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	19.86	5.04
07 71 26 00-0013	LF		24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	20.32	5.04
07 71 26 00-0014	LF		22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	22.04	5.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0015 LF 20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	23.03	5.04
07 71 26 00-0016 LF 18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	24.16	5.04
07 71 26 00-0017 Aluminum Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0019 LF 0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	15.62	5.04
07 71 26 00-0020 LF 0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	16.49	5.04
07 71 26 00-0021 LF 0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	17.36	5.04
07 71 26 00-0022 LF 0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	18.00	5.04
07 71 26 00-0023 LF 0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	19.40	5.04
07 71 26 00-0024 LF 0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	21.44	5.04
07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0026 LF 0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	13.62	5.04
07 71 26 00-0027 LF 0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	14.17	5.04
07 71 26 00-0028 LF 0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	14.73	5.04
07 71 26 00-0029 LF 0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	15.13	5.04
07 71 26 00-0030 LF 0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	16.03	5.04
07 71 26 00-0031 LF 0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	17.34	5.04
07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0033 LF 0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	15.21	5.04
07 71 26 00-0034 LF 0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	16.02	5.04
07 71 26 00-0035 LF 0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	16.82	5.04
07 71 26 00-0036 LF 0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	17.41	5.04
07 71 26 00-0037 LF 0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	18.71	5.04
07 71 26 00-0038 LF 0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	20.60	5.04
07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet (07 71 26 00-0039)		
07 71 26 00-0041 LF 24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	17.05	5.04
07 71 26 00-0042 LF 20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	18.28	5.04
07 71 26 00-0043 Copper Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0044 Copper Counter Flashing With Reglet (07 71 26 00-0043)		
07 71 26 00-0045 LF 16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	49.25	5.04

07 72 Roof Accessories (07 70)

07 72 13 Manufactured Curbs (07 72)

07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13)		
Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0001)		
Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)		
07 72 13 00-0005 EA 26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	935.38	240.43
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
	63.48	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
	157.02	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
	45.48	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
	88.89	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
	111.63	
07 72 13 00-0006 EA 26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	949.60	240.43
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
	64.91	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
	159.87	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
	55.81	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
	113.70	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
	134.37	
07 72 13 00-0007 EA 26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,031.85	270.48
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
	69.37	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
	172.56	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
	68.22	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
	140.57	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
	155.04	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0008 EA 26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,086.38 74.83 183.47 90.96 183.98 198.45	270.48
07 72 13 00-0009 EA 26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,126.68 78.86 191.53 18.91 120.21 132.61	270.48
07 72 13 00-0010 EA 26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,363.03 98.74 235.04 150.91 243.93 283.21	300.54
07 72 13 00-0011 EA 38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	954.34 65.38 160.81 10.85 93.54 130.75	240.43
07 72 13 00-0012 EA 38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,034.22 69.61 173.03 86.82 173.64 208.79	270.48
07 72 13 00-0013 EA 38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,065.04 72.69 179.20 107.49 198.45 227.39	270.48
07 72 13 00-0014 EA 38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,076.89 73.88 181.57 19.22 118.45 145.32	270.48
07 72 13 00-0015 EA 38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,325.10 94.94 227.45 24.81 134.37 175.71	300.54
07 72 13 00-0016 EA 38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,450.02 103.68 248.68 30.39 156.49 206.10	330.59
07 72 13 00-0017 EA 50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,143.28 80.52 194.85 111.63 202.59 225.32	270.48
07 72 13 00-0018 EA 50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,249.23 87.36 112.28 134.37 219.12 260.47	300.54
07 72 13 00-0019 EA 50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,275.31 89.96 217.50 159.17 231.53 301.81	300.54
07 72 13 00-0020 EA 50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,400.23 98.70 238.72 186.05 279.07 345.22	330.59
07 72 13 00-0021 EA 51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,503.82 105.30 255.68 31.94 147.70 199.38	360.64



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0022	EA			51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,626.37 113.80 276.44 256.33 386.57 456.85	390.70
07 72 13 00-0023	EA			62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,275.31 89.96 217.50 25.43 93.64 172.20	300.54
07 72 13 00-0024	EA			62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,374.15 96.09 233.51 194.32 295.61 359.69	330.59
07 72 13 00-0025	EA			62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,501.45 105.06 255.21 252.20 353.49 413.44	360.64
07 72 13 00-0026	EA			62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,525.16 107.44 259.95 37.83 139.12 242.48	360.64
07 72 13 00-0027	EA			62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,652.45 116.41 281.65 318.35 421.71 554.01	390.70
07 72 13 00-0028				12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0029	EA			26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	966.20 66.57 163.19 45.48 88.89 111.63	240.43
07 72 13 00-0030	EA			26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	973.31 67.28 164.61 55.81 113.70 134.37	240.43
07 72 13 00-0031	EA			26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,055.55 71.74 177.30 68.22 140.57 155.04	270.48
07 72 13 00-0032	EA			26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,117.20 77.91 189.63 90.96 183.98 198.45	270.48
07 72 13 00-0033	EA			26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,162.24 82.41 198.64 18.91 120.21 132.61	270.48
07 72 13 00-0034	EA			26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,391.48 101.58 240.73 150.91 243.93 283.21	300.54
07 72 13 00-0035	EA			38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	975.68 67.51 165.08 10.85 93.54 130.75	240.43

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0036	EA		38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,098.23 76.01 185.84 86.82 173.64 208.79	270.48
07 72 13 00-0037	EA		38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,145.65 80.75 195.32 107.49 198.45 227.39	270.48
07 72 13 00-0038	EA		38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,200.18 86.21 206.23 19.22 118.45 145.32	270.48
07 72 13 00-0039	EA		38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,363.03 98.74 235.04 24.81 134.37 175.71	300.54
07 72 13 00-0040	EA		38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,497.43 108.42 258.16 30.39 156.49 206.10	330.59
07 72 13 00-0041	EA		50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,171.73 83.36 200.54 111.63 202.59 225.32	270.48
07 72 13 00-0042	EA		50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,272.94 89.73 217.02 134.37 219.12 260.47	300.54
07 72 13 00-0043	EA		50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,310.87 93.52 224.61 159.17 231.53 301.81	300.54
07 72 13 00-0044	EA		50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,438.16 102.49 246.31 186.05 279.07 345.22	330.59
07 72 13 00-0045	EA		51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,548.87 109.81 264.69 31.94 147.70 199.38	360.64
07 72 13 00-0046	EA		51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,678.53 119.02 286.87 256.33 386.57 456.85	390.70
07 72 13 00-0047	EA		62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,310.87 93.52 224.61 25.43 93.64 172.20	300.54
07 72 13 00-0048	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,412.08 99.88 241.09 194.32 295.61 359.69	330.59
07 72 13 00-0049	EA		62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,541.75 109.09 263.27 252.20 353.49 413.44	360.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0050 EA 62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,572.57	360.64
For Sloped Roofs Up To 1 In 12 Pitch, Add	112.18	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	269.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	37.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	139.12	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	242.48	
07 72 13 00-0051 EA 62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,704.61	390.70
For Sloped Roofs Up To 1 In 12 Pitch, Add	121.62	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	292.09	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	318.35	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	421.71	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	554.01	
07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)		
07 72 13 00-0053 EA 26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	982.79	240.43
For Sloped Roofs Up To 1 In 12 Pitch, Add	68.23	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	166.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	45.48	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	88.89	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.63	
07 72 13 00-0054 EA 26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	989.91	240.43
For Sloped Roofs Up To 1 In 12 Pitch, Add	68.94	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	167.93	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	55.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	113.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	134.37	
07 72 13 00-0055 EA 26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,067.41	270.48
For Sloped Roofs Up To 1 In 12 Pitch, Add	72.93	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	179.67	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	68.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	140.57	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.04	
07 72 13 00-0056 EA 26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,136.16	270.48
For Sloped Roofs Up To 1 In 12 Pitch, Add	79.81	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	193.42	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	90.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	183.98	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	198.45	
07 72 13 00-0057 EA 26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,188.32	270.48
For Sloped Roofs Up To 1 In 12 Pitch, Add	85.02	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	203.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.91	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	120.21	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	132.61	
07 72 13 00-0058 EA 26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,424.68	300.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	104.90	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	247.37	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	150.91	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	243.93	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	283.21	
07 72 13 00-0059 EA 38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	989.91	240.43
For Sloped Roofs Up To 1 In 12 Pitch, Add	68.94	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	167.93	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	93.54	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	130.75	
07 72 13 00-0060 EA 38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,067.41	270.48
For Sloped Roofs Up To 1 In 12 Pitch, Add	72.93	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	179.67	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	86.82	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	173.64	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	208.79	
07 72 13 00-0061 EA 38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,188.32	270.48
For Sloped Roofs Up To 1 In 12 Pitch, Add	85.02	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	203.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	107.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	198.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	227.39	
07 72 13 00-0062 EA 38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,245.23	270.48
For Sloped Roofs Up To 1 In 12 Pitch, Add	90.71	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	215.24	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	118.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	145.32	
07 72 13 00-0063 EA 38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,391.48	300.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	101.58	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	240.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	24.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	134.37	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	175.71	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0064	EA		38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,528.26	330.59
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	111.50	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	264.33	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	30.39	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	156.49	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	206.10	
07 72 13 00-0065	EA		50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,190.70	270.48
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	85.26	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	204.33	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	111.63	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	202.59	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	225.32	
07 72 13 00-0066	EA		50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,228.86	300.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	85.32	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	208.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	134.37	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	219.12	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	260.47	
07 72 13 00-0067	EA		50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,334.58	300.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	95.89	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	229.35	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	159.17	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	231.53	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	301.81	
07 72 13 00-0068	EA		50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,466.61	330.59
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	105.34	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	252.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	186.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	279.07	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	345.22	
07 72 13 00-0069	EA		51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,577.32	360.64
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	112.65	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	270.38	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.94	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	147.70	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	199.38	
07 72 13 00-0070	EA		51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,711.72	390.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	122.34	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	293.51	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	256.33	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	386.57	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	456.85	
07 72 13 00-0071	EA		62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,334.58	300.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	95.89	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	229.35	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	25.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	93.64	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	172.20	
07 72 13 00-0072	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,438.16	330.59
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	102.49	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	246.31	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	194.32	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	295.61	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	359.69	
07 72 13 00-0073	EA		62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,572.57	360.64
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	112.18	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	269.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	252.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	353.49	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	413.44	
07 72 13 00-0074	EA		62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,603.40	360.64
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	115.26	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	275.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	37.83	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	139.12	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	242.48	
07 72 13 00-0075	EA		62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,740.17	390.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	125.18	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	299.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	318.35	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	421.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	554.01	

07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)

07 72 13 00-0077 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)



Thermal And Moisture Protection	07
Roof and Wall Specialties and Accessories	07 70
Roof Accessories	07 72

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0078 EA 26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	909.30 60.88 151.81 45.48 88.89 111.63	240.43
07 72 13 00-0079 EA 26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	940.12 63.96 157.97 55.81 113.70 134.37	240.43
07 72 13 00-0080 EA 26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,074.52 73.64 181.09 68.22 140.57 155.04	270.48
07 72 13 00-0081 EA 26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,145.65 80.75 195.32 90.96 183.98 198.45	270.48
07 72 13 00-0082 EA 26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,197.81 85.97 205.75 18.91 120.21 132.61	270.48
07 72 13 00-0083 EA 26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,462.61 108.69 254.96 150.91 243.93 283.21	300.54
07 72 13 00-0084 EA 38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	997.02 69.65 169.35 10.85 93.54 130.75	240.43
07 72 13 00-0085 EA 38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,093.49 75.54 184.89 86.82 173.64 208.79	270.48
07 72 13 00-0086 EA 38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,117.20 77.91 189.63 107.49 198.45 227.39	270.48
07 72 13 00-0087 EA 38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,138.54 80.04 193.90 19.22 118.45 145.32	270.48
07 72 13 00-0088 EA 38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,405.71 103.00 243.58 24.81 134.37 175.71	300.54
07 72 13 00-0089 EA 38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,544.85 113.16 267.65 30.39 156.49 206.10	330.59
07 72 13 00-0090 EA 50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,200.18 86.21 206.23 111.63 202.59 225.32	270.48
07 72 13 00-0091 EA 50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,308.50 93.28 224.13 134.37 219.12 260.47	300.54

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0092	EA		50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....1,346.44	1,346.44	300.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	97.08	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	231.72	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	159.17	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	231.53	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	301.81	
07 72 13 00-0093	EA		50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....1,480.84	1,480.84	330.59
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	106.76	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	254.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	186.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	279.07	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	345.22	
07 72 13 00-0094	EA		51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....1,591.54	1,591.54	360.64
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	114.07	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	273.23	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.94	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	147.70	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	199.38	
07 72 13 00-0095	EA		51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....1,728.32	1,728.32	390.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	124.00	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	296.83	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	256.33	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	386.57	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	456.85	
07 72 13 00-0096	EA		62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....1,346.44	1,346.44	300.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	97.08	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	231.72	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	25.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	93.64	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	172.20	
07 72 13 00-0097	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....1,450.02	1,450.02	330.59
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	103.68	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	248.68	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	194.32	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	295.61	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	359.69	
07 72 13 00-0098	EA		62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....1,586.80	1,586.80	360.64
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	113.60	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	272.28	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	252.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	353.49	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	413.44	
07 72 13 00-0099	EA		62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....1,619.99	1,619.99	360.64
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	116.92	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	278.92	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	37.83	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	139.12	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	242.48	
07 72 13 00-0100	EA		62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....1,759.14	1,759.14	390.70
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	127.08	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	302.99	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	318.35	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	421.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	554.01	
07 72 13 00-0101			12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0102	EA		26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....930.64	930.64	240.43
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	63.01	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	156.07	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	45.48	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	88.89	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.63	
07 72 13 00-0103	EA		26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....966.20	966.20	240.43
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	66.57	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	163.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	55.81	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	113.70	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	134.37	
07 72 13 00-0104	EA		26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....1,110.08	1,110.08	270.48
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	77.20	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	188.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	68.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	140.57	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	155.04	
07 72 13 00-0105	EA		26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....1,188.32	1,188.32	270.48
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	85.02	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	203.85	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	90.96	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	183.98	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	198.45	



Thermal And Moisture Protection	07
Roof and Wall Specialties and Accessories	07 70
Roof Accessories	07 72

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0106 EA 26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,252.34	270.48
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	91.42	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	216.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.91	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	120.21	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	132.61	
07 72 13 00-0107 EA 26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,472.09	300.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	109.64	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	256.85	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	150.91	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	243.93	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	283.21	
07 72 13 00-0108 EA 38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,027.84	240.43
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	72.73	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	175.51	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.85	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	93.54	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	130.75	
07 72 13 00-0109 EA 38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,131.42	270.48
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	79.33	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	192.47	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	86.82	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	173.64	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	208.79	
07 72 13 00-0110 EA 38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,162.24	270.48
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	82.41	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	198.64	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	107.49	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	198.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	227.39	
07 72 13 00-0111 EA 38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,190.70	270.48
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	85.26	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	204.33	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.22	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	118.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	145.32	
07 72 13 00-0112 EA 38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,462.61	300.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	108.69	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	254.96	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	24.81	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	134.37	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.71	
07 72 13 00-0113 EA 38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,613.61	330.59
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	120.04	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	281.40	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	30.39	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	156.49	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	206.10	
07 72 13 00-0114 EA 50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,242.86	270.48
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	90.48	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	214.76	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	111.63	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	202.59	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	225.32	
07 72 13 00-0115 EA 50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,355.92	300.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	98.03	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	233.62	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	134.37	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	219.12	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	260.47	
07 72 13 00-0116 EA 50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,400.97	300.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	102.53	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	242.63	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	159.17	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	231.53	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	301.81	
07 72 13 00-0117 EA 50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,537.74	330.59
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	112.45	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	266.22	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	186.05	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	279.07	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	345.22	
07 72 13 00-0118 EA 51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,657.93	360.64
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	120.71	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	286.51	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.94	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	147.70	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	199.38	
07 72 13 00-0119 EA 51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,804.18	390.70
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	131.58	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	312.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	256.33	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	386.57	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	456.85	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0120 EA 62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,400.97 102.53 242.63 25.43 93.64 172.20	300.54
07 72 13 00-0121 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,511.66 109.84 261.01 194.32 295.61 359.69	330.59
07 72 13 00-0122 EA 62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,653.19 120.24 285.56 252.20 353.49 413.44	360.64
07 72 13 00-0123 EA 62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,688.75 123.79 292.67 37.83 139.12 242.48	360.64
07 72 13 00-0124 EA 62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,839.75 135.14 319.11 318.35 421.71 554.01	390.70
07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0126 EA 26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	947.23 64.67 159.39 45.48 88.89 111.63	240.43
07 72 13 00-0127 EA 26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	985.17 68.46 166.98 55.81 113.70 134.37	240.43
07 72 13 00-0128 EA 26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,131.42 79.33 192.47 68.22 140.57 155.04	270.48
07 72 13 00-0129 EA 26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,216.78 87.87 209.55 90.96 183.98 198.45	270.48
07 72 13 00-0130 EA 26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,287.90 94.98 223.77 18.91 120.21 132.61	270.48
07 72 13 00-0131 EA 26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,547.96 117.23 272.03 150.91 243.93 283.21	300.54
07 72 13 00-0132 EA 38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,051.55 75.10 180.26 10.85 93.54 130.75	240.43
07 72 13 00-0133 EA 38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,171.73 83.36 200.54 86.82 173.64 208.79	270.48



Thermal And Moisture Protection	07
Roof and Wall Specialties and Accessories	07 70
Roof Accessories	07 72

07

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72	13	00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,214.40	270.48
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	87.63	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	209.07	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	107.49	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	198.45	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	227.39	
07 72	13	00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,223.89	270.48
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	88.58	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	210.97	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.22	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	118.45	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	145.32	
07 72	13	00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,505.29	300.54
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	112.96	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	263.49	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	24.81	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	134.37	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.71	
07 72	13	00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,661.03	330.59
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	124.78	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	290.88	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	30.39	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	156.49	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	206.10	
07 72	13	00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,271.31	270.48
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	93.32	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	220.45	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	111.63	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	202.59	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	225.32	
07 72	13	00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,305.35	300.54
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	92.97	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	223.50	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	134.37	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	219.12	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	260.47	
07 72	13	00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,436.53	300.54
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	106.09	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	249.74	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	159.17	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	231.53	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	301.81	
07 72	13	00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,580.42	330.59
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	116.72	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	274.76	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	186.05	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	279.07	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	345.22	
07 72	13	00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,700.60	360.64
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	124.98	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	295.04	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.94	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	147.70	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	199.38	
07 72	13	00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,856.34	390.70
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	136.80	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	322.43	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	256.33	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	386.57	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	456.85	
07 72	13	00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,436.53	300.54
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	106.09	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	249.74	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	25.43	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	93.64	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	172.20	
07 72	13	00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,554.34	330.59
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	114.11	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	269.54	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	194.32	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	295.61	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	359.69	
07 72	13	00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,693.49	360.64
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	124.27	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	293.62	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	252.20	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	353.49	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	413.44	
07 72	13	00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,736.17	360.64
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	128.54	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	302.15	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	37.83	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	139.12	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	242.48	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 72	Roof Accessories



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,891.91	390.70
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	140.35	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	329.55	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	318.35	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	421.71	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	554.01	
07 72 13 00-0149		Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^{(07 72}		
		^{13 00-0001)} Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
07 72 13 00-0150		6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0149)		
07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	894.83	240.43
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	59.43	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	148.91	
07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,025.23	240.43
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	72.47	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	174.99	
07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,172.88	270.48
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	83.48	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	200.77	
07 72 13 00-0154	EA	41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,277.01	270.48
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	93.89	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	221.59	
07 72 13 00-0155	EA	50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,412.69	300.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	103.70	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	244.97	
07 72 13 00-0156		12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0149)		
07 72 13 00-0157	EA	14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,085.78	240.43
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	78.52	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	187.10	
07 72 13 00-0158	EA	23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,262.76	240.43
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	96.22	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	222.50	
07 72 13 00-0159	EA	32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,342.88	270.48
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	100.48	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	234.77	
07 72 13 00-0160	EA	41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,409.41	270.48
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	107.13	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	248.07	
07 72 13 00-0161	EA	50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,577.69	300.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	120.20	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	277.97	
07 72 13 00-0162	EA	64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	2,465.89	330.59
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	205.27	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	451.85	
07 72 13 00-0163		18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0149)		
07 72 13 00-0164	EA	17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,399.48	240.43
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	109.89	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	249.84	
07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,580.46	240.43
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	127.99	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	286.04	
07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,870.49	270.48
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	153.24	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	340.29	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0167	Wood, Prefabricated Roof Curbs ^(07 72 13)	Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0168	Wood Framed, Prefabricated Roof Curbs ^(07 72 13 00-0167)			
07 72 13 00-0169	2 x 6 Wood Framed, Prefabricated Roof Curbs ^(07 72 13 00-0168)			
07 72 13 00-0170	EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	768.52	240.43	
	For Sloped Roofs Up To 1 In 12 Pitch, Add	46.80		
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	123.65		
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	45.48		
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	88.89		
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.63		
07 72 13 00-0171	EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	856.06	270.48	
	For Sloped Roofs Up To 1 In 12 Pitch, Add	51.80		
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	137.40		
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	68.22		
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	140.57		
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.04		
07 72 13 00-0172	EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	909.80	270.48	
	For Sloped Roofs Up To 1 In 12 Pitch, Add	57.17		
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	148.15		
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.91		
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	120.21		
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	132.61		
07 72 13 00-0173	EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	903.60	270.48	
	For Sloped Roofs Up To 1 In 12 Pitch, Add	56.55		
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	146.91		
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	107.49		
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	198.45		
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	227.39		
07 72 13 00-0174	EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	918.07	270.48	
	For Sloped Roofs Up To 1 In 12 Pitch, Add	58.00		
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	149.80		
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.22		
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	118.45		
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	145.32		
07 72 13 00-0175	EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,028.34	300.54	
	For Sloped Roofs Up To 1 In 12 Pitch, Add	65.27		
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	168.10		
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	24.81		
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	134.37		
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	175.71		
07 72 13 00-0176	EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	913.94	270.48	
	For Sloped Roofs Up To 1 In 12 Pitch, Add	57.58		
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	148.98		
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	111.63		
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	202.59		
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	225.32		
07 72 13 00-0177	EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,046.95	300.54	
	For Sloped Roofs Up To 1 In 12 Pitch, Add	67.13		
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	171.82		
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	159.17		
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	231.53		
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	301.81		
07 72 13 00-0178	EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,197.22	360.64	
	For Sloped Roofs Up To 1 In 12 Pitch, Add	74.64		
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	194.36		
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.94		
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	147.70		
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	199.38		
07 72 13 00-0179	EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,009.74	300.54	
	For Sloped Roofs Up To 1 In 12 Pitch, Add	63.41		
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	164.38		
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.43		
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	93.64		
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	172.20		
07 72 13 00-0180	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,109.68	330.59	
	For Sloped Roofs Up To 1 In 12 Pitch, Add	69.64		
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	180.61		
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	194.32		
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	295.61		
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	359.69		
07 72 13 00-0181	EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,238.56	360.64	
	For Sloped Roofs Up To 1 In 12 Pitch, Add	78.78		
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	202.63		
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	37.83		
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	139.12		
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	242.48		
07 72 13 00-0182	2 x 8 Wood Framed, Prefabricated Roof Curbs ^(07 72 13 00-0168)			

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0183	EA	26" x 26"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	780.93 48.04 126.13 45.48 88.89 111.63	240.43
07 72 13 00-0184	EA	26" x 50"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	870.53 53.24 140.30 68.22 140.57 155.04	270.48
07 72 13 00-0185	EA	26" x 98"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	949.08 61.10 156.01 18.91 120.21 132.61	270.48
07 72 13 00-0186	EA	38" x 62"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	928.41 59.03 151.87 107.49 198.45 227.39	270.48
07 72 13 00-0187	EA	38" x 74"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	949.08 61.10 156.01 19.22 118.45 145.32	270.48
07 72 13 00-0188	EA	38" x 98"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,059.35 68.37 174.30 24.81 134.37 175.71	300.54
07 72 13 00-0189	EA	50" x 50"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	936.68 59.86 153.53 111.63 202.59 225.32	270.48
07 72 13 00-0190	EA	50" x 74"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,075.89 70.02 177.61 159.17 231.53 301.81	300.54
07 72 13 00-0191	EA	51" x 99"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,226.16 77.54 200.15 31.94 147.70 199.38	360.64
07 72 13 00-0192	EA	62" x 62"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,032.48 65.68 168.93 25.43 93.64 172.20	300.54
07 72 13 00-0193	EA	62-3/8" x 74-3/8"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,136.55 72.33 185.99 194.32 295.61 359.69	330.59
07 72 13 00-0194	EA	62" x 98"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,267.50 81.67 208.42 37.83 139.12 242.48	360.64
07 72 13 00-0195	2 x 10 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)				
07 72 13 00-0196	EA	26" x 26"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	789.20 48.87 127.79 45.48 88.89 111.63	240.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0197 EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	885.00 54.69 143.19 68.22 140.57 155.04	270.48
07 72 13 00-0198 EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	953.21 61.51 156.63 18.91 120.21 132.61	270.48
07 72 13 00-0199 EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	942.88 60.48 154.77 107.49 198.45 227.39	270.48
07 72 13 00-0200 EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	967.69 62.96 159.73 19.22 118.45 145.32	270.48
07 72 13 00-0201 EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,080.02 70.44 178.44 24.81 134.37 175.71	300.54
07 72 13 00-0202 EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	951.15 61.30 156.42 111.63 202.59 225.32	270.48
07 72 13 00-0203 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,094.50 71.88 181.33 159.17 231.53 301.81	300.54
07 72 13 00-0204 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,244.77 79.40 203.87 31.94 147.70 199.38	360.64
07 72 13 00-0205 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,046.95 67.13 171.82 25.43 93.64 172.20	300.54
07 72 13 00-0206 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,153.09 73.99 189.29 194.32 295.61 359.69	330.59
07 72 13 00-0207 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,288.18 83.74 212.56 37.83 139.12 242.48	360.64
07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0209 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	799.53 49.90 129.85 45.48 88.89 111.63	240.43
07 72 13 00-0210 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	893.27 55.52 144.84 68.22 140.57 155.04	270.48

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0211	EA		26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	971.82 63.37 160.55 18.91 120.21 132.61	270.48
07 72 13 00-0212	EA		38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	988.36 65.03 163.86 19.22 118.45 145.32	270.48
07 72 13 00-0213	EA		38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,102.76 72.71 182.99 24.81 134.37 175.71	300.54
07 72 13 00-0214	EA		50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	969.75 63.16 160.14 111.63 202.59 225.32	270.48
07 72 13 00-0215	EA		50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,115.17 73.95 185.47 159.17 231.53 301.81	300.54
07 72 13 00-0216	EA		51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,269.57 81.88 208.83 31.94 147.70 199.38	360.64
07 72 13 00-0217	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,169.63 75.64 192.60 194.32 295.61 359.69	330.59
07 72 13 00-0218			Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0167)</small>		
07 72 13 00-0219			2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0220	EA		26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	785.06 48.45 126.96 45.48 88.89 111.63	240.43
07 72 13 00-0221	EA		26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	870.53 53.24 140.30 68.22 140.57 155.04	270.48
07 72 13 00-0222	EA		26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	936.68 59.86 153.53 18.91 120.21 132.61	270.48
07 72 13 00-0223	EA		38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	922.21 58.41 150.63 107.49 198.45 227.39	270.48
07 72 13 00-0224	EA		38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	940.81 60.27 154.35 19.22 118.45 145.32	270.48
07 72 13 00-0225	EA		38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,053.15 67.75 173.06 24.81 134.37 175.71	300.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0226 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	932.54 59.44 152.70 111.63 202.59 225.32	270.48
07 72 13 00-0227 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,069.69 69.40 176.37 159.17 231.53 301.81	300.54
07 72 13 00-0228 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,219.96 76.92 198.91 31.94 147.70 199.38	360.64
07 72 13 00-0229 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,034.55 65.89 169.34 25.43 93.64 172.20	300.54
07 72 13 00-0230 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,132.42 71.92 185.16 194.32 295.61 359.69	330.59
07 72 13 00-0231 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,267.50 81.67 208.42 37.83 139.12 242.48	360.64
07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0233 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	799.53 49.90 129.85 45.48 88.89 111.63	240.43
07 72 13 00-0234 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	887.06 54.90 143.60 68.22 140.57 155.04	270.48
07 72 13 00-0235 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	961.48 62.34 158.49 18.91 120.21 132.61	270.48
07 72 13 00-0236 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	947.01 60.89 155.59 107.49 198.45 227.39	270.48
07 72 13 00-0237 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	973.89 63.58 160.97 19.22 118.45 145.32	270.48
07 72 13 00-0238 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,090.36 71.47 180.51 24.81 134.37 175.71	300.54
07 72 13 00-0239 EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	961.48 62.34 158.49 111.63 202.59 225.32	270.48

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0240	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,104.83 72.92 183.40 159.17 231.53 301.81	300.54
07 72 13 00-0241	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,259.24 80.84 206.77 31.94 147.70 199.38	360.64
07 72 13 00-0242	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,061.42 68.58 174.72 25.43 93.64 172.20	300.54
07 72 13 00-0243	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,163.42 75.02 191.36 194.32 295.61 359.69	330.59
07 72 13 00-0244	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,302.65 85.18 215.45 37.83 139.12 242.48	360.64
07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)					
07 72 13 00-0246	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	811.93 51.14 132.33 45.48 88.89 111.63	240.43
07 72 13 00-0247	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	903.60 56.55 146.91 68.22 140.57 155.04	270.48
07 72 13 00-0248	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	986.29 64.82 163.45 18.91 120.21 132.61	270.48
07 72 13 00-0249	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	965.62 62.75 159.31 107.49 198.45 227.39	270.48
07 72 13 00-0250	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	998.69 66.06 165.93 19.22 118.45 145.32	270.48
07 72 13 00-0251	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,117.23 74.16 185.88 24.81 134.37 175.71	300.54
07 72 13 00-0252	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	980.09 64.20 162.21 111.63 202.59 225.32	270.48
07 72 13 00-0253	EA		50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,127.57 75.19 187.95 159.17 231.53 301.81	300.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0254 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,284.04 83.32 211.73 31.94 147.70 199.38	360.64
07 72 13 00-0255 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,082.09 70.64 178.85 25.43 93.64 172.20	300.54
07 72 13 00-0256 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,186.16 77.29 195.91 194.32 295.61 359.69	330.59
07 72 13 00-0257 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,329.52 87.87 220.82 37.83 139.12 242.48	360.64
07 72 13 00-0258 2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0259 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	836.74 53.62 137.29 45.48 88.89 111.63	240.43
07 72 13 00-0260 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	916.01 57.79 149.39 68.22 140.57 155.04	270.48
07 72 13 00-0261 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,004.89 66.68 167.17 18.91 120.21 132.61	270.48
07 72 13 00-0262 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,019.37 68.13 170.06 19.22 118.45 145.32	270.48
07 72 13 00-0263 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,195.79 82.01 201.59 24.81 134.37 175.71	300.54
07 72 13 00-0264 EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,040.04 70.19 174.20 111.63 202.59 225.32	270.48
07 72 13 00-0265 EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,199.92 82.43 202.42 159.17 231.53 301.81	300.54
07 72 13 00-0266 EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,366.73 91.59 228.27 31.94 147.70 199.38	360.64
07 72 13 00-0267 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,262.65 84.94 211.21 194.32 295.61 359.69	330.59

07 72 23 Relief Vents (07 72)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0001			Wind Driven Turbine Ventilators (07 72 23) Note: Excludes curb or flange base.		
07 72 23 00-0002			Galvanized Steel, Wind Driven Turbine Ventilators (07 72 23 00-0001)		
07 72 23 00-0003	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	178.41	40.86
			<i>For Curb Or Flange Base, Add</i>	205.95	
07 72 23 00-0004	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	213.47	45.24
			<i>For Curb Or Flange Base, Add</i>	226.82	
07 72 23 00-0005	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	231.68	53.99
			<i>For Curb Or Flange Base, Add</i>	254.23	
07 72 23 00-0006	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	434.78	59.83
			<i>For Curb Or Flange Base, Add</i>	396.09	
07 72 23 00-0007	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	595.40	67.12
			<i>For Curb Or Flange Base, Add</i>	430.02	
07 72 23 00-0008	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	716.41	72.96
			<i>For Curb Or Flange Base, Add</i>	466.49	
07 72 23 00-0009	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	912.72	81.71
			<i>For Curb Or Flange Base, Add</i>	568.05	
07 72 23 00-0010	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,502.18	109.44
			<i>For Curb Or Flange Base, Add</i>	920.42	
07 72 23 00-0011			Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)		
07 72 23 00-0012	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	178.92	40.86
			<i>For Curb Or Flange Base, Add</i>	218.30	
07 72 23 00-0013	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	222.33	45.24
			<i>For Curb Or Flange Base, Add</i>	240.70	
07 72 23 00-0014	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	249.54	53.99
			<i>For Curb Or Flange Base, Add</i>	268.23	
07 72 23 00-0015	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	439.00	59.83
			<i>For Curb Or Flange Base, Add</i>	448.66	
07 72 23 00-0016	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	565.02	67.12
			<i>For Curb Or Flange Base, Add</i>	480.39	
07 72 23 00-0017	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	712.95	72.96
			<i>For Curb Or Flange Base, Add</i>	540.30	
07 72 23 00-0018	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	960.38	81.71
			<i>For Curb Or Flange Base, Add</i>	650.86	
07 72 23 00-0019	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	1,428.76	109.44
			<i>For Curb Or Flange Base, Add</i>	974.58	
07 72 23 00-0020			Stationary Siphon Ventilators (07 72 23)		
07 72 23 00-0021			Galvanized Steel, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0022	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	152.05	40.86
			<i>For Curb Or Flange Base, Add</i>	205.95	
07 72 23 00-0023	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	198.39	45.24
			<i>For Curb Or Flange Base, Add</i>	226.82	
07 72 23 00-0024	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	219.33	53.99
			<i>For Curb Or Flange Base, Add</i>	254.23	
07 72 23 00-0025	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	367.14	59.83
			<i>For Curb Or Flange Base, Add</i>	396.09	
07 72 23 00-0026	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	424.23	67.12
			<i>For Curb Or Flange Base, Add</i>	430.02	
07 72 23 00-0027	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	595.44	72.96
			<i>For Curb Or Flange Base, Add</i>	466.49	
07 72 23 00-0028	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	772.52	81.71
			<i>For Curb Or Flange Base, Add</i>	568.05	
07 72 23 00-0029	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	1,117.60	109.44
			<i>For Curb Or Flange Base, Add</i>	920.42	
07 72 23 00-0030			Mill Finish Aluminum, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0031	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	172.22	40.86
			<i>For Curb Or Flange Base, Add</i>	218.30	
07 72 23 00-0032	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	226.33	45.24
			<i>For Curb Or Flange Base, Add</i>	240.70	
07 72 23 00-0033	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	252.90	53.99
			<i>For Curb Or Flange Base, Add</i>	268.23	
07 72 23 00-0034	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	407.47	59.83
			<i>For Curb Or Flange Base, Add</i>	448.66	
07 72 23 00-0035	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	511.46	67.12
			<i>For Curb Or Flange Base, Add</i>	480.39	
07 72 23 00-0036	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	625.90	72.96
			<i>For Curb Or Flange Base, Add</i>	540.30	
07 72 23 00-0037	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	893.45	81.71
			<i>For Curb Or Flange Base, Add</i>	650.86	
07 72 23 00-0038	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	1,343.20	109.44
			<i>For Curb Or Flange Base, Add</i>	974.58	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0039				Spun Aluminum, Stationary Mushroom Gravity Ventilators (07 72 23) Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040	EA			8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator 355.25		65.66
				For Backdraft Damper, Add 181.80		
				For Curb Base, Add 274.48		
07 72 23 00-0041	EA			10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator 436.92		72.96
				For Backdraft Damper, Add 198.91		
				For Curb Base, Add 300.29		
07 72 23 00-0042	EA			12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator 494.79		87.56
				For Backdraft Damper, Add 271.63		
				For Curb Base, Add 380.45		
07 72 23 00-0043	EA			16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator 602.24		96.31
				For Backdraft Damper, Add 310.13		
				For Curb Base, Add 440.53		
07 72 23 00-0044	EA			24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator 1,588.10		131.33
				For Backdraft Damper, Add 389.27		
				For Curb Base, Add 580.31		
07 72 23 00-0045	EA			30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator 1,938.61		151.76
				For Backdraft Damper, Add 459.85		
				For Curb Base, Add 693.39		
07 72 23 00-0046	EA			36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator 2,638.65		175.10
				For Backdraft Damper, Add 459.85		
				For Curb Base, Add 722.41		
07 72 23 00-0047	EA			42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator 3,703.90		189.70
				For Backdraft Damper, Add 481.24		
				For Curb Base, Add 749.10		
07 72 23 00-0048	EA			48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator 5,323.13		204.29
				For Backdraft Damper, Add 534.71		
				For Curb Base, Add 842.09		
07 72 23 00-0049				Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23) Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050	EA			8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator 623.57		72.96
07 72 23 00-0051	EA			12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator 733.93		96.31
07 72 23 00-0052	EA			16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator 1,055.03		131.33
07 72 23 00-0053	EA			24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator 1,625.21		151.76
07 72 26				Ridge Vents (07 72)		
07 72 26 00-0001				Aluminum Ridge Vents (07 72 26)		
07 72 26 00-0002	LF			Aluminum Ridge Vent Strips 16.48		4.23
07 72 26 00-0003	EA			Aluminum Ridge Univent Connectors 66.12		26.30
07 72 26 00-0004	EA			Aluminum Ridge Univent End Cap 61.85		26.30
07 72 26 00-0005				Galvanized Ridge Vents (07 72 26)		
07 72 26 00-0006	LF			Galvanized Sheet Metal Ridge Vent Strips 15.65		4.52
07 72 29				Rafter Vent (07 72)		
07 72 29 00-0001				Rafter Vent (07 72 29) Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002	EA			22" x 4' Rafter Vent 11.78		
07 72 29 00-0003	EA			14" x 4' Rafter Vent 10.75		
07 72 33				Roof Hatches (07 72) Note: Includes curb with integral insulation, lockable hatch and gaskets.		
07 72 33 00-0001				Galvanized Steel Cover And Curb (07 72 33)		
07 72 33 00-0002	EA			2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20) 1,316.99		179.04
07 72 33 00-0003	EA			2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20) 1,908.75		198.93
07 72 33 00-0004	EA			2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20) 3,340.64		271.29
07 72 33 00-0005	EA			3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20) 1,877.03		198.93
07 72 33 00-0006	EA			4'-0" x 4'-0" Galvanized Steel Roof Hatch 2,116.84		221.07
07 72 33 00-0007	EA			3'-0" x 8'-0" Galvanized Steel Roof Hatch 3,451.10		301.51
07 72 33 00-0008				Aluminum Cover And Curb (07 72 33)		
07 72 33 00-0009	EA			2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50) 1,257.06		179.04
07 72 33 00-0010	EA			2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50) 1,619.76		198.93
07 72 33 00-0011	EA			2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50) 2,906.36		271.29
07 72 33 00-0012	EA			3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50) 1,580.63		198.93
07 72 33 00-0013	EA			4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50) 2,765.54		221.07
07 72 33 00-0014	EA			3'-0" x 8'-0" Aluminum Roof Hatch 3,059.77		301.51
07 72 33 00-0015	EA			3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50) 1,760.73		198.93
07 72 33 00-0016				Steel, Plain, Primed (07 72 33)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0017	EA		2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20).....	1,265.66	179.04
07 72 33 00-0018	EA		2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20)	1,695.54	198.93
07 72 33 00-0019	EA		2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20)	2,322.33	271.29
07 72 33 00-0020	EA		3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20)	1,573.92	198.93
07 72 33 00-0021	EA		4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	1,921.28	221.07
07 72 33 00-0022	EA		3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	2,610.20	301.51
07 72 33 00-0023			Stainless Steel <small>(07 72 33)</small>		
07 72 33 00-0024	EA		2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90).....	2,615.02	179.04
07 72 33 00-0025	EA		2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90)	4,934.53	198.93
07 72 33 00-0026	EA		2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90)	7,406.94	271.29
07 72 33 00-0027	EA		3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90).....	3,972.33	198.93
07 72 33 00-0028	EA		4'-0" x 4'-0" Stainless Steel Roof Hatch	8,305.50	221.07
07 72 33 00-0029	EA		3'-0" x 8'-0" Stainless Steel Roof Hatch	9,325.65	301.51
07 72 33 00-0030			Removal And Reinstallation Of Roof Hatch <small>(07 72 33)</small>		
			Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031	EA		Removal And Reinstallation Of Roof Hatch (All Types).....	550.70	
07 72 33 00-0032			Aluminum Cover And Galvanized Steel Curb <small>(07 72 33)</small>		
07 72 33 00-0033	EA		Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40).....	1,220.03	198.93
07 72 33 00-0034	EA		Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40).....	1,582.72	221.07
07 72 33 00-0035	EA		Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40).....	2,810.07	301.38
07 72 33 00-0036	EA		Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40).....	1,551.00	205.15
07 72 33 00-0037	EA		Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40).....	2,684.06	227.28
07 72 33 00-0038			Roof Hatch Accessories <small>(07 72 33)</small>		
07 72 33 00-0039	EA		Roof Hatch Ladderup Safety Post (Bilco LU-1).....	810.42	93.25
07 72 33 00-0040			Roof Hatch Safety Railing <small>(07 72 33)</small>		
			Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0041	EA		24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHR-24x24).....	2,022.96	
07 72 33 00-0042	EA		24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHR-24x36).....	2,100.79	
07 72 33 00-0043	EA		30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHR-30x30).....	2,152.00	
07 72 33 00-0044	EA		30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHR-30x36).....	2,339.32	
07 72 33 00-0045	EA		36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHR-36x36).....	2,555.81	
07 72 33 00-0046	EA		48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHR-48x48).....	3,254.44	
07 72 36			Smoke Vents <small>(07 72)</small>		
07 72 36 00-0001			Fire Vent <small>(07 72 36)</small>		
07 72 36 00-0002			Galvanized Steel Covers And Curb <small>(07 72 36 00-0001)</small>		
07 72 36 00-0003	EA		4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848).....	3,299.37	165.86
07 72 36 00-0004	EA		4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872).....	3,803.31	228.03
07 72 36 00-0005	EA		4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890).....	4,333.06	248.79
07 72 36 00-0006	EA		4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896).....	4,420.15	261.23
07 72 36 00-0007	EA		5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060).....	5,113.55	228.03
07 72 36 00-0008	EA		5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072).....	5,437.96	248.79
07 72 36 00-0009	EA		5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084).....	5,742.81	269.56
07 72 36 00-0010	EA		5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096).....	6,536.56	290.32
07 72 36 00-0011	EA		5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120).....	8,102.78	310.96
07 72 36 00-0012	EA		5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666).....	5,439.70	269.56
07 72 36 00-0013	EA		5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114).....	11,399.70	331.72
07 72 36 00-0014	EA		6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272).....	6,277.82	352.49
07 72 36 00-0015			Aluminum Covers And Galvanized Steel Curb <small>(07 72 36 00-0001)</small>		
07 72 36 00-0016	EA		4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A)	2,648.49	165.86
07 72 36 00-0017	EA		4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A)	3,045.43	228.03
07 72 36 00-0018	EA		4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A)	3,424.63	248.79
07 72 36 00-0019	EA		4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A)	3,546.98	261.23
07 72 36 00-0020	EA		5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A)	3,437.99	228.03
07 72 36 00-0021	EA		5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A)	4,380.12	248.79
07 72 36 00-0022	EA		5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A)	4,685.24	269.56
07 72 36 00-0023	EA		5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A)	4,568.17	290.32
07 72 36 00-0024	EA		5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A)	6,391.72	310.96
07 72 36 00-0025	EA		5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A)	4,426.00	269.56
07 72 36 00-0026	EA		5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A)	8,363.41	331.72
07 72 36 00-0027	EA		6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A)	4,365.16	352.49
07 72 36 00-0028			Aluminum Covers And Curb <small>(07 72 36 00-0001)</small>		
07 72 36 00-0029	EA		4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B)	2,885.51	165.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0030 EA 4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B)	3,437.99	228.03
07 72 36 00-0031 EA 4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B)	3,772.75	248.79
07 72 36 00-0032 EA 4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B)	3,991.39	261.23
07 72 36 00-0033 EA 5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B)	3,615.76	228.03
07 72 36 00-0034 EA 5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B)	4,565.29	248.79
07 72 36 00-0035 EA 5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B)	4,848.19	269.56
07 72 36 00-0036 EA 5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B)	5,012.58	290.32
07 72 36 00-0037 EA 5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B)	6,073.23	310.96
07 72 36 00-0038 EA 5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B)	4,633.39	269.56
07 72 36 00-0039 EA 5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B)	9,126.32	331.72
07 72 36 00-0040 EA 6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B)	4,809.57	352.49
07 72 36 00-0041 Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb <small>(07 72 36)</small>		
07 72 36 00-0042 EA 4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4848B)	2,855.88	165.37
07 72 36 00-0043 EA 4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4872B)	3,623.15	228.03
07 72 36 00-0044 EA 4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4896B)	3,835.84	261.23
07 72 36 00-0045 EA 5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6060B)	4,104.61	228.03
07 72 36 00-0046 EA 5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6096B)	4,345.99	290.32
07 72 46 Roof Walkways <small>(07 72)</small>		
07 72 46 00-0001 Recycled Rubber Walkway Pads <small>(07 72 46)</small>		
07 72 46 00-0002 SF 3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	11.79	2.77
<i>For Diamond Surface, Add</i>	1.05	
07 72 46 00-0003 SF 1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	13.16	3.33
<i>For Diamond Surface, Add</i>	1.23	
07 72 46 00-0004 SF 3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	14.55	3.33
<i>For Diamond Surface, Add</i>	1.38	
07 72 53 Snow Guards <small>(07 72)</small>		
07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs <small>(07 72 53)</small>		
07 72 53 00-0002 EA 6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs	23.66	2.83
07 72 53 00-0003 EA 6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	25.92	2.83
07 72 53 00-0004 EA 6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs	24.43	2.83
07 72 53 00-0005 EA 6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs	13.98	2.83
07 72 53 00-0006 Snow Guards For Metal Roofs <small>(07 72 53)</small>		
<i>Note: Aluminum construction.</i>		
07 72 53 00-0007 EA Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	29.84	5.22
07 72 53 00-0008 EA Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	33.26	5.22
07 72 53 00-0009 EA Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	49.43	5.22
07 72 53 00-0010 EA Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	48.70	5.22
07 72 53 00-0011 EA Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	45.59	6.09
07 72 53 00-0012 EA Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	49.89	6.09
07 72 53 00-0013 EA Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	62.53	6.09
07 72 53 00-0014 EA Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	26.07	4.57
<i>For Mechanically Fastened, Add</i>	9.13	
07 72 53 00-0015 EA Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	29.62	4.57
<i>For Mechanically Fastened, Add</i>	9.13	
07 72 53 00-0016 EA Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	41.68	4.57
<i>For Mechanically Fastened, Add</i>	9.13	
07 72 53 00-0017 EA Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15)	14.93	4.57
<i>Note: Can be used for metal, rubber, PVC, TPO or glass roofing.</i>		
<i>For Mechanically Fastened, Add</i>	12.17	
07 72 53 00-0018 Snow Breaker For Roofs <small>(07 72 53)</small>		
07 72 53 00-0019 EA Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	18.85	6.09
07 72 53 00-0020 EA >50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	17.77	6.09
07 72 53 00-0021 EA >150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	17.23	6.09
07 72 53 00-0022 EA >500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	16.58	6.09
07 72 53 00-0023 Ice Breaker For Vents <small>(07 72 53)</small>		
07 72 53 00-0024 EA Ice Breaker For Vents Up to 4", Mechanically Fastened	147.04	
07 72 53 00-0025 EA Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened	168.76	
07 72 53 00-0026 Pipe Style, Snow Guards For Metal Roofs <small>(07 72 53)</small>		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0027			Pipe Style, Standing Seam Metal Roof Snow Guard Clamps (07 72 53 00-0026) Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0028	EA		Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	71.02	18.26
07 72 53 00-0029	EA		Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	84.31	18.26
07 72 53 00-0030	EA		Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	94.92	18.26
07 72 53 00-0031	EA		Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	117.75	18.26
07 72 53 00-0032	EA		Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	121.60	21.92
07 72 53 00-0033			Tubing For Snow Guard Clamps (07 72 53 00-0026)		
07 72 53 00-0034	LF		1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	14.79	4.38
			Note: Includes end caps, collars and couplings.		
07 72 53 00-0035	LF		1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	28.90	4.38
			Note: Includes end caps, collars and couplings.		
07 72 56			Snow/Ice Melt Cable (07 72)		
07 72 56 00-0001			Self Regulating Heating Cable For Roofs And Gutters (07 72 56)		
07 72 56 00-0002	LF		12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters.....	16.89	1.48
			Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0003	LF		12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters.....	18.13	1.48
			Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0004	EA		Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters.....	293.31	111.08
07 72 56 00-0005	EA		Splice Kit For Self Regulating Heating Cable For Roofs And Gutters.....	222.77	81.46
07 72 56 00-0006	EA		Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	11.04	4.44
			For >5, Deduct	-0.89	
07 72 56 00-0007	EA		Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	10.31	4.44
			For >5, Deduct	-0.82	
07 72 56 00-0008	EA		Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters.....	67.74	11.11
07 72 56 00-0009	EA		120 Volt AC, Snow Switch, Automatic Control For Melting Snow.....	1,070.02	88.86
07 72 56 00-0010	EA		Automatic Gutter Ice Melting Control.....	1,464.60	111.08
07 72 63			Waste Containment Assemblies (07 72)		
07 72 63 00-0001			Rooftop Oil And Grease Containment System (07 72 63)		
07 72 63 00-0002			Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) (07 72 63 00-0001)		
07 72 63 00-0003	EA		48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	2,990.11	226.45
07 72 63 00-0004	EA		60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	3,343.93	226.45
07 72 63 00-0005	EA		60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	4,105.36	235.51
07 72 63 00-0006	EA		72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	4,085.13	235.51
07 72 63 00-0007	EA		72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	5,340.06	254.76
07 72 63 00-0008	EA		72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	4,161.98	254.76
07 72 63 00-0009	EA		90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	4,637.22	301.86
07 72 63 00-0010	EA		108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	6,835.56	377.38
07 72 63 00-0011	EA		120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	8,493.96	377.38
07 72 63 00-0012	EA		144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	10,769.21	377.38
07 72 63 00-0013			Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) (07 72 63 00-0001)		
07 72 63 00-0014	EA		48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	3,682.69	226.45
07 72 63 00-0015	EA		60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	4,142.82	226.45
07 72 63 00-0016	EA		60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	5,121.65	235.51
07 72 63 00-0017	EA		72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	5,212.68	235.51
07 72 63 00-0018	EA		72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	7,448.46	254.76
07 72 63 00-0019	EA		72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	8,171.49	254.76
07 72 63 00-0020	EA		90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	7,589.99	301.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0021 EA 108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	8,544.52	377.38
07 72 63 00-0022 EA 120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	10,703.47	377.38
07 72 63 00-0023 EA 144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	13,661.29	377.38
07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63)</small> Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0024)</small>		
07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0025)</small>		
07 72 63 00-0027 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....	246.93	
07 72 63 00-0028 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....	348.06	
07 72 63 00-0029 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....	499.73	
07 72 63 00-0030 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....	460.49	
07 72 63 00-0031 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....	864.99	
07 72 63 00-0032 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....	875.09	
07 72 63 00-0033 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....	674.07	
07 72 63 00-0034 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....	876.32	
07 72 63 00-0035 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E).....	1,285.86	
07 72 63 00-0036 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E).....	1,695.41	
07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0024)</small>		
07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0037)</small>		
07 72 63 00-0039 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC).....	516.71	
07 72 63 00-0040 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC).....	688.63	
07 72 63 00-0041 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC).....	1,002.11	
07 72 63 00-0042 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC).....	932.53	
07 72 63 00-0043 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC).....	1,797.13	
07 72 63 00-0044 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC).....	1,807.23	
07 72 63 00-0045 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC).....	1,338.22	
07 72 63 00-0046 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC).....	1,808.45	
07 72 63 00-0047 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC).....	2,652.81	
07 72 63 00-0048 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC).....	3,532.58	
07 72 63 00-0049 Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0037)</small>		
07 72 63 00-0050 SET 48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C).....	643.12	
07 72 63 00-0051 SET 60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C).....	799.86	
07 72 63 00-0052 SET 60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C).....	1,174.01	
07 72 63 00-0053 SET 72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C).....	1,109.50	
07 72 63 00-0054 SET 72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C).....	2,166.22	
07 72 63 00-0055 SET 72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C).....	2,156.11	
07 72 63 00-0056 SET 90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C).....	1,570.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0057	SET		108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C).....	2,177.54	
07 72 63 00-0058	SET		120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C).....	3,057.31	
07 72 63 00-0059	SET		144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C).....	4,255.61	
07 73 Roof Protection Board <small>(07 70)</small>					
07 73 00 00-0001			Roof Protection Board <small>(07 73)</small> Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.		
07 73 00 00-0002			Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) <small>(07 73 00 00-0001)</small>		
07 73 00 00-0003	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®).....	3.90	0.56
			<i>For No Adhesive, Deduct</i>	-0.88	
07 73 00 00-0004	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®).....	4.40	0.62
			<i>For No Adhesive, Deduct</i>	-0.90	
07 73 00 00-0005	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®).....	4.63	0.68
			<i>For No Adhesive, Deduct</i>	-0.92	
07 73 00 00-0006	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime).....	3.95	0.56
			<i>For No Adhesive, Deduct</i>	-0.88	
07 73 00 00-0007	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime).....	4.48	0.62
			<i>For No Adhesive, Deduct</i>	-0.90	
07 73 00 00-0008	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime).....	4.71	0.68
			<i>For No Adhesive, Deduct</i>	-0.92	
07 73 00 00-0009			Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) <small>(07 73 00 00-0001)</small>		
07 73 00 00-0010	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®).....	3.74	0.56
07 73 00 00-0011	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®).....	4.26	0.62
07 73 00 00-0012	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®).....	4.52	0.68
07 73 00 00-0013	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime).....	3.80	0.56
07 73 00 00-0014	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime).....	4.35	0.62
07 73 00 00-0015	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime).....	4.60	0.68
07 73 00 00-0016			Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) <small>(07 73 00 00-0001)</small> Note: Mechanically fastened to wood or steel.		
07 73 00 00-0017	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.55	0.56
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.58	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.51	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 73 00 00-0018	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	4.06	0.62
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.66	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.59	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 73 00 00-0019	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	4.28	0.68
			<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.72	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.65	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0020 SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	3.61	0.56
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.58	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.51	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 73 00 00-0021 SF 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	4.14	0.62
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.66	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.59	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	
07 73 00 00-0022 SF 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	4.37	0.68
<i>For Mechanically Fastened To Concrete, Add</i>	1.51	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.86	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.72	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.19	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.65	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.28	

07 76 Roof Pavers (07 70)

07 76 16 Roof Decking Pavers (07 76)

07 76 16 00-0001 Roof Pavers (07 76 16)

Note: For walkway application over roofing system.

07 76 16 00-0002 SF Up To 100 SF, 2" Concrete Roof Paver.....	14.13	7.21
<i>For 1-1/2" Thickness, Deduct</i>	-1.41	
<i>For 2-1/2" Thickness, Add</i>	1.65	
<i>For 3" Thickness, Add</i>	3.30	
07 76 16 00-0003 SF >100 To 200 SF, 2" Concrete Roof Paver.....	12.78	5.44
<i>For 1-1/2" Thickness, Deduct</i>	-1.28	
<i>For 2-1/2" Thickness, Add</i>	1.50	
<i>For 3" Thickness, Add</i>	3.00	
07 76 16 00-0004 SF >200 To 400 SF, 2" Concrete Roof Paver.....	11.98	4.33
<i>For 1-1/2" Thickness, Deduct</i>	-1.20	
<i>For 2-1/2" Thickness, Add</i>	1.41	
<i>For 3" Thickness, Add</i>	2.82	
07 76 16 00-0005 SF >400 To 1,000 SF, 2" Concrete Roof Paver.....	11.45	3.78
<i>For 1-1/2" Thickness, Deduct</i>	-1.15	
<i>For 2-1/2" Thickness, Add</i>	1.34	
<i>For 3" Thickness, Add</i>	2.69	
07 76 16 00-0006 SF >1,000 SF, 2" Concrete Roof Paver.....	10.82	3.44
<i>For 1-1/2" Thickness, Deduct</i>	-1.08	
<i>For 2-1/2" Thickness, Add</i>	1.27	
<i>For 3" Thickness, Add</i>	2.54	

07 76 16 00-0007 Roof Paver Pedestal (07 76 16)

07 76 16 00-0008 EA 2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator).....	24.74	1.13
07 76 16 00-0009 EA 3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator).....	25.86	1.13
07 76 16 00-0010 EA 4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator).....	27.00	1.13
07 76 16 00-0011 EA Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator).....	13.79	1.13
07 76 16 00-0012 EA Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator).....	12.14	1.13
07 76 16 00-0013 EA 5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal).....	12.44	1.13
Note: Stackable.		
07 76 16 00-0014 EA 1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal.....	7.02	1.13
Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015 EA Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator).....	9.25	1.13
Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		

07 76 19 Composite Insulation Concrete Protection Board (07 76)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board (07 76 19)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002 SF 2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	5.82	
<i>For 20 Year Warranty, Deduct</i>	-0.35	
<i>For 15 Year Warranty, Deduct</i>	-0.70	
<i>For 10 Year Warranty, Deduct</i>	-0.95	
<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 76	Roof Pavers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 19 00-0003	SF		3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	7.60	
			<i>For 20 Year Warranty, Deduct</i>	-0.50	
			<i>For 15 Year Warranty, Deduct</i>	-1.00	
			<i>For 10 Year Warranty, Deduct</i>	-1.35	
			<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0004	SF		2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF.....	8.93	
			<i>For 20 Year Warranty, Deduct</i>	-0.58	
			<i>For 15 Year Warranty, Deduct</i>	-1.16	
			<i>For 10 Year Warranty, Deduct</i>	-1.56	
			<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0005	SF		3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF.....	10.80	
			<i>For 20 Year Warranty, Deduct</i>	-0.72	
			<i>For 15 Year Warranty, Deduct</i>	-1.45	
			<i>For 10 Year Warranty, Deduct</i>	-1.97	
			<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	

07 80 Fire and Smoke Protection ⁽⁰⁷⁾**07 81 Applied Fireproofing** ^(07 80)

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing ^(07 81)**07 81 16 00-0001 Monokote Fireproofing** ^(07 81 16)

07 81 16 00-0002	SF		Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness.....	2.14	0.75
07 81 16 00-0003	SF		Monokote Fireproofing For Structural Steel, Per Inch Of Thickness.....	2.98	1.12

07 81 16 00-0004 Gunite Fireproofing ^(07 81 16)

07 81 16 00-0005	SF		1" Thick, Non Reinforced, Gunite Fireproofing.....	3.50	0.74
07 81 16 00-0006	SF		1" Thick, Reinforced, Gunite Fireproofing.....	5.00	0.74

07 81 23 Intumescent Fireproofing ^(07 81)**07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF)** ^(07 81 23)**07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)** ^(07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0003	SF		1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF).....	16.84	
			<i>For >10,000, Deduct</i>	-1.62	
07 81 23 00-0004	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF).....	27.09	
			<i>For >10,000, Deduct</i>	-2.64	

07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) ^(07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0006	SF		1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	10.92	
			<i>For >10,000, Deduct</i>	-1.02	
07 81 23 00-0007	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	24.26	
			<i>For >10,000, Deduct</i>	-2.35	
07 81 23 00-0008	SF		2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	54.97	
			<i>For >10,000, Deduct</i>	-5.41	
07 81 23 00-0009	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	75.68	
			<i>For >10,000, Deduct</i>	-7.48	
07 81 23 00-0010	SF		3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	96.41	
			<i>For >10,000, Deduct</i>	-9.55	
07 81 23 00-0011	SF		3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	117.17	
			<i>For >10,000, Deduct</i>	-11.62	

07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) ^(07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0013	SF		1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	22.10	
			<i>For >10,000, Deduct</i>	-2.14	
07 81 23 00-0014	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	41.12	
			<i>For >10,000, Deduct</i>	-4.03	
07 81 23 00-0015	SF		2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	65.29	
			<i>For >10,000, Deduct</i>	-6.45	
07 81 23 00-0016	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	91.19	
			<i>For >10,000, Deduct</i>	-9.03	
07 81 23 00-0017	SF		3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	115.36	
			<i>For >10,000, Deduct</i>	-11.44	

07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) ^(07 81 23)**07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)** ^(07 81 23 00-0018)

Note: Excludes primer.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0020 SF 1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	10.70	
<i>For >10,000, Deduct</i>	-1.02	
07 81 23 00-0021 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	24.42	
<i>For >10,000, Deduct</i>	-2.39	
07 81 23 00-0022 SF 2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	56.01	
<i>For >10,000, Deduct</i>	-5.54	
07 81 23 00-0023 SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	77.32	
<i>For >10,000, Deduct</i>	-7.67	
07 81 23 00-0024 SF 3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	98.64	
<i>For >10,000, Deduct</i>	-9.80	
 07 81 33 Mineral-Fiber Fireproofing (07 81)		
07 81 33 00-0001 Cellulose Fireproofing (07 81 33)		
07 81 33 00-0002 SF Cellulose Fireproofing, Per Inch Of Thickness	2.56	0.74
 07 84 Firestopping (07 80)		
07 84 13 Penetration Firestopping (07 84)		
07 84 13 16 Penetration Firestopping Devices (07 84 13)		
07 84 13 16-0001 Firestopping Systems For Cable Penetrations (07 84 13 16)		
07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations (07 84 13 16-0001)		
Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003 EA 1" Diameter Intumescent Firestop Sleeve (STI FS100)	65.64	
07 84 13 16-0004 EA 2" Diameter Intumescent Firestop Sleeve (STI FS201)	87.60	
07 84 13 16-0005 EA 4" Diameter Intumescent Firestop Sleeve (STI FS401)	141.02	
07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations (07 84 13 16-0001)		
Note: Includes pathway, putty and wall/floor mounting plates.		
07 84 13 16-0007 EA 1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	118.16	
07 84 13 16-0008 EA 3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	206.14	
07 84 13 16-0009 EA 4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	376.04	
07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device (07 84 13 16)		
07 84 13 16-0011 EA 2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	266.66	
07 84 13 16-0012 EA 4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	247.26	
07 84 13 16-0013 EA 4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	254.63	
07 84 13 16-0014 Intumescent Firestopping Pipe Collar (07 84 13 16)		
07 84 13 16-0015 EA 1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	46.30	14.72
07 84 13 16-0016 EA 2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	54.43	14.72
07 84 13 16-0017 EA 3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	62.90	16.19
07 84 13 16-0018 EA 4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	95.23	18.40
07 84 13 16-0019 EA 8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	436.34	22.08
07 84 13 16-0020 EA 10" Intumescent Firestop Pipe Collar (Hilti CP644 10")	561.77	24.28
07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) (07 84 13 16)		
Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022 EA 12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9)	171.13	
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0023 EA 15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9)	181.29	
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0024 EA 11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH)	354.82	
Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.		
07 84 13 16-0025 EA 14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3)	225.97	
Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.		
07 84 13 16-0026 Intumescent Firestopping Wrap Strips (07 84 13 16)		
07 84 13 16-0027 LF 1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	6.54	
 07 84 13 19 Penetration Firestopping Caulk (07 84 13)		

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 84 13 19-0001	Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+) ⁽⁰⁷⁾	
	<small>84 13 19)</small> Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.	
07 84 13 19-0002	EA 1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	24.41
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.07
07 84 13 19-0003	EA 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	30.00
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.37
07 84 13 19-0004	EA 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	29.77
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.28
07 84 13 19-0005	EA 1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	29.38
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.12
07 84 13 19-0006	EA 2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	34.70
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.79
07 84 13 19-0007	EA 2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	34.46
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.69
07 84 13 19-0008	EA 2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	34.08
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.54
07 84 13 19-0009	EA 2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	33.48
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.30
07 84 13 19-0010	EA 2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	32.96
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.09
07 84 13 19-0011	EA 2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	42.09
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.32
07 84 13 19-0012	EA 2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	41.86
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.23
07 84 13 19-0013	EA 2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	41.47
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.08
07 84 13 19-0014	EA 2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	40.87
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.84
07 84 13 19-0015	EA 2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	40.36
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.63
07 84 13 19-0016	EA 2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	39.14
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.14
07 84 13 19-0017	EA 3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	57.40
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	3.57
07 84 13 19-0018	EA 3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	53.20
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.89
07 84 13 19-0019	EA 3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	52.82
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.74
07 84 13 19-0020	EA 3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	52.21
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.49
07 84 13 19-0021	EA 3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	51.70
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.29
07 84 13 19-0022	EA 3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	50.49
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.80
07 84 13 19-0023	EA 3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	48.92
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.18
07 84 13 19-0024	EA 4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	77.06
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.58
07 84 13 19-0025	EA 4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	76.63
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.41
07 84 13 19-0026	EA 4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	75.94
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.14
07 84 13 19-0027	EA 4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	74.85
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.70
07 84 13 19-0028	EA 4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	73.93
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.33
07 84 13 19-0029	EA 4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	66.79
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.48
07 84 13 19-0030	EA 4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	65.23
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.85
07 84 13 19-0031	EA 4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	62.84
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.90
07 84 13 19-0032	EA 6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	122.81
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	15.19
07 84 13 19-0033	EA 6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	122.39
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	15.02
07 84 13 19-0034	EA 6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	121.69
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	14.74
07 84 13 19-0035	EA 6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	120.61
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	14.31
07 84 13 19-0036	EA 6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	119.69
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	13.94
07 84 13 19-0037	EA 6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	117.51
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	13.07
07 84 13 19-0038	EA 6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	114.68
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.94
07 84 13 19-0039	EA 6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	110.40
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	10.22
07 84 13 19-0040	EA 6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	94.26
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	3.77
07 84 13 19-0041	EA 8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	162.98
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	23.99



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0042	EA			8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....158.68 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 22.27		
07 84 13 19-0043	EA			8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....150.08 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 18.83		
07 84 13 19-0044	EA			8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....114.99 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 4.79		
07 84 13 19-0045	EA			10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....207.01 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 34.32		
07 84 13 19-0046	EA			10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....181.49 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 24.12		
07 84 13 19-0047	EA			10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) .....136.46 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 6.10		
07 84 13 19-0048				Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations <small>(07 84 13 19)</small> Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.		
07 84 13 19-0049	EA			1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....29.40		
07 84 13 19-0050	EA			1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....29.31		
07 84 13 19-0051	EA			1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....29.18		
07 84 13 19-0052	EA			2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....33.39		
07 84 13 19-0053	EA			2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....33.30		
07 84 13 19-0054	EA			2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....33.17		
07 84 13 19-0055	EA			2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....32.99		
07 84 13 19-0056	EA			2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....32.82		
07 84 13 19-0057	EA			2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....39.92		
07 84 13 19-0058	EA			2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....39.84		
07 84 13 19-0059	EA			2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....39.71		
07 84 13 19-0060	EA			2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....39.52		
07 84 13 19-0061	EA			2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....39.36		
07 84 13 19-0062	EA			2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....38.94		
07 84 13 19-0063	EA			3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....50.17		
07 84 13 19-0064	EA			3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....50.08		
07 84 13 19-0065	EA			3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....49.96		
07 84 13 19-0066	EA			3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....49.77		
07 84 13 19-0067	EA			3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....49.61		
07 84 13 19-0068	EA			3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....49.19		
07 84 13 19-0069	EA			3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....48.61		
07 84 13 19-0070	EA			4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....63.74		
07 84 13 19-0071	EA			4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....63.65		
07 84 13 19-0072	EA			4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....63.53		
07 84 13 19-0073	EA			4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....63.32		
07 84 13 19-0074	EA			4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....63.13		
07 84 13 19-0075	EA			4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....62.71		
07 84 13 19-0076	EA			4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....62.18		
07 84 13 19-0077	EA			4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....61.35		
07 84 13 19-0078	EA			6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....92.08		
07 84 13 19-0079	EA			6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....91.99		
07 84 13 19-0080	EA			6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....91.87		
07 84 13 19-0081	EA			6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....91.68		

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0082	EA		6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	91.52	
07 84 13 19-0083	EA		6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	91.10	
07 84 13 19-0084	EA		6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	90.52	
07 84 13 19-0085	EA		6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	89.74	
07 84 13 19-0086	EA		6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	88.04	
07 84 13 19-0087	EA		8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	114.45	
07 84 13 19-0088	EA		8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	113.66	
07 84 13 19-0089	EA		8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	111.96	
07 84 13 19-0090	EA		8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	107.16	
07 84 13 19-0091	EA		10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	137.57	
07 84 13 19-0092	EA		10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	132.76	
07 84 13 19-0093	EA		10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	126.40	

07 84 16 Annular Space Firestopping Protection (07 84)

07 84 16 00-0001			Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)		
07 84 16 00-0002			Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)		
07 84 16 00-0003	EA		1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	37.14	
07 84 16 00-0004	EA		2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	52.47	
07 84 16 00-0005	EA		3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	54.89	
07 84 16 00-0006	EA		4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	57.32	
07 84 16 00-0007	EA		5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	59.74	
07 84 16 00-0008	EA		6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	75.07	
07 84 16 00-0009			Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)		
07 84 16 00-0010	EA		Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276).....	15.23	
07 84 16 00-0011	EA		Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274).....	15.78	
07 84 16 00-0012	EA		Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272).....	14.77	
07 84 16 00-0013	EA		Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	15.82	
07 84 16 00-0014	EA		Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266).....	15.41	
07 84 16 00-0015	EA		Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	14.84	
07 84 16 00-0016			Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)		
07 84 16 00-0017	EA		2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	36.80	
07 84 16 00-0018	EA		2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	39.45	
07 84 16 00-0019	EA		3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	42.72	
07 84 16 00-0020			Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)		
			Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
07 84 16 00-0021	EA		16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28).....	338.16	
07 84 16 00-0022	EA		36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2).....	473.87	
07 84 16 00-0023	EA		36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3).....	638.91	
07 84 16 00-0024			Endothermic Mat Wrap Fire Barrier (07 84 16)		
			Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025	SF		0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	51.83	
07 84 16 00-0026			Firestopping Caulk For Filling Opening (07 84 16)		
07 84 16 00-0027	GAL		Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	142.56	
07 84 16 00-0028			Firestopping Mortar For Filling Opening (07 84 16)		
07 84 16 00-0029	CF		Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	169.01	

07 84 23 Silicone Firestopping Foams (07 84)

07 84 23 00-0001			Silicone RTV Foam Seal For Blank Openings (07 84 23)		
07 84 23 00-0002	EA		2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	46.77	
07 84 23 00-0003	EA		4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	112.26	
07 84 23 00-0004	EA		6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	198.66	
07 84 23 00-0005	EA		8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	303.33	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 84 23 00-0006	EA		10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	432.41	
	07 84 23 00-0007	EA		12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	579.85	
07 84 43 Joint Firestopping ^(07 84)						
07 84 43 00-0001 Intumescent Firestopping Sealant For Joints (3M CP 25WB+) ^(07 84 43)						
	07 84 43 00-0002	CLF		1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	418.58	109.08
				<i>For Up To 6 CLF, Add</i>	23.21	
				<i>For >30 CLF, Deduct</i>	-25.50	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	13.70	
	07 84 43 00-0003	CLF		1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	464.29	109.08
				<i>For Up To 4 CLF, Add</i>	26.64	
				<i>For >20 CLF, Deduct</i>	-30.07	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	20.56	
	07 84 43 00-0004	CLF		1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	522.09	112.71
				<i>For Up To 3 CLF, Add</i>	30.67	
				<i>For >15 CLF, Deduct</i>	-35.24	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	27.41	
	07 84 43 00-0005	CLF		3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	544.94	112.71
				<i>For Up To 2.5 CLF, Add</i>	32.39	
				<i>For >13 CLF, Deduct</i>	-37.53	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	30.84	
	07 84 43 00-0006	CLF		3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	613.46	112.71
				<i>For Up To 2 CLF, Add</i>	37.53	
				<i>For >10 CLF, Deduct</i>	-44.38	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	41.12	
	07 84 43 00-0007	CLF		3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	681.99	112.71
				<i>For Up To 1.5 CLF, Add</i>	42.67	
				<i>For >8 CLF, Deduct</i>	-51.23	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	51.40	
	07 84 43 00-0008	CLF		3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	762.64	117.56
				<i>For Up To 1.3 CLF, Add</i>	48.41	
				<i>For >7 CLF, Deduct</i>	-58.69	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	61.68	
	07 84 43 00-0009	CLF		1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	716.96	117.56
				<i>For Up To 1.4 CLF, Add</i>	44.99	
				<i>For >7.5 CLF, Deduct</i>	-54.12	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	54.82	
	07 84 43 00-0010	CLF		1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	820.46	121.20
				<i>For Up To 1.15 CLF, Add</i>	52.44	
				<i>For >6 CLF, Deduct</i>	-63.87	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	68.53	
	07 84 43 00-0011	CLF		1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	911.83	121.20
				<i>For Up To 1 CLF, Add</i>	59.30	
				<i>For >5 CLF, Deduct</i>	-73.00	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	82.23	
	07 84 43 00-0012	CLF		1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,015.32	124.83
				<i>For Up To 0.8 CLF, Add</i>	66.76	
				<i>For >4.5 CLF, Deduct</i>	-82.75	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	95.94	
	07 84 43 00-0013	CLF		1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,118.81	129.68
				<i>For Up To 0.75 CLF, Add</i>	74.22	
				<i>For >4 CLF, Deduct</i>	-92.49	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	109.65	
	07 84 43 00-0014	CLF		3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,222.30	133.31
				<i>For Up To 0.65 CLF, Add</i>	81.67	
				<i>For >3.5 CLF, Deduct</i>	-102.23	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	123.35	
	07 84 43 00-0015	CLF		3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,532.77	145.44
				<i>For Up To 0.5 CLF, Add</i>	104.05	
				<i>For >2.5 CLF, Deduct</i>	-131.46	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	164.47	
	07 84 43 00-0016	CLF		1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,946.74	161.19
				<i>For Up To 0.4 CLF, Add</i>	133.89	
				<i>For >2 CLF, Deduct</i>	-170.43	
				<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	219.29	
07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) ^(07 84 43)						
	07 84 43 00-0018	CLF		1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	431.31	109.08
				<i>For Up To 6 CLF, Add</i>	24.17	
				<i>For >30 CLF, Deduct</i>	-26.77	
	07 84 43 00-0019	CLF		1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	483.34	109.08
				<i>For Up To 4 CLF, Add</i>	28.07	
				<i>For >20 CLF, Deduct</i>	-31.97	
	07 84 43 00-0020	CLF		1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	547.50	112.71
				<i>For Up To 3 CLF, Add</i>	32.58	
				<i>For >15 CLF, Deduct</i>	-37.78	
	07 84 43 00-0021	CLF		3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	573.52	112.71
				<i>For Up To 2.5 CLF, Add</i>	34.53	
				<i>For >13 CLF, Deduct</i>	-40.38	
	07 84 43 00-0022	CLF		3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	651.58	112.71
				<i>For Up To 2 CLF, Add</i>	40.38	
				<i>For >10 CLF, Deduct</i>	-48.19	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0023	CLF		3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	729.63	112.71
			<i>For Up To 1.5 CLF, Add</i>	46.24	
			<i>For >8 CLF, Deduct</i>	-56.00	
07 84 43 00-0024	CLF		3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	819.81	117.56
			<i>For Up To 1.3 CLF, Add</i>	52.70	
			<i>For >7 CLF, Deduct</i>	-64.41	
07 84 43 00-0025	CLF		1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	767.77	117.56
			<i>For Up To 1.4 CLF, Add</i>	48.80	
			<i>For >7.5 CLF, Deduct</i>	-59.20	
07 84 43 00-0026	CLF		1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	883.98	121.20
			<i>For Up To 1.15 CLF, Add</i>	57.21	
			<i>For >6 CLF, Deduct</i>	-70.22	
07 84 43 00-0027	CLF		1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	988.06	121.20
			<i>For Up To 1 CLF, Add</i>	65.01	
			<i>For >5 CLF, Deduct</i>	-80.63	
07 84 43 00-0028	CLF		1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,104.25	124.83
			<i>For Up To 0.8 CLF, Add</i>	73.43	
			<i>For >4.5 CLF, Deduct</i>	-91.64	
07 84 43 00-0029	CLF		1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,220.44	129.68
			<i>For Up To 0.75 CLF, Add</i>	81.84	
			<i>For >4 CLF, Deduct</i>	-102.65	
07 84 43 00-0030	CLF		3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,336.63	133.31
			<i>For Up To 0.65 CLF, Add</i>	90.25	
			<i>For >3.5 CLF, Deduct</i>	-113.67	
07 84 43 00-0031	CLF		3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,685.22	145.44
			<i>For Up To 0.5 CLF, Add</i>	115.48	
			<i>For >2.5 CLF, Deduct</i>	-146.71	
07 84 43 00-0032	CLF		1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	2,150.00	161.19
			<i>For Up To 0.4 CLF, Add</i>	149.13	
			<i>For >2 CLF, Deduct</i>	-190.76	
07 84 43 00-0033			Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) ^{(07 84}		
			43)		
07 84 43 00-0034	CLF		1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	381.06	109.08
			<i>For Up To 6 CLF, Add</i>	20.40	
			<i>For >30 CLF, Deduct</i>	-21.74	
07 84 43 00-0035	CLF		1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	407.98	109.08
			<i>For Up To 4 CLF, Add</i>	22.42	
			<i>For >20 CLF, Deduct</i>	-24.44	
07 84 43 00-0036	CLF		1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	447.01	112.71
			<i>For Up To 3 CLF, Add</i>	25.04	
			<i>For >15 CLF, Deduct</i>	-27.73	
07 84 43 00-0037	CLF		3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	460.47	112.71
			<i>For Up To 2.5 CLF, Add</i>	26.05	
			<i>For >13 CLF, Deduct</i>	-29.08	
07 84 43 00-0038	CLF		3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	500.85	112.71
			<i>For Up To 2 CLF, Add</i>	29.08	
			<i>For >10 CLF, Deduct</i>	-33.12	
07 84 43 00-0039	CLF		3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	541.22	112.71
			<i>For Up To 1.5 CLF, Add</i>	32.11	
			<i>For >8 CLF, Deduct</i>	-37.15	
07 84 43 00-0040	CLF		3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	593.72	117.56
			<i>For Up To 1.3 CLF, Add</i>	35.74	
			<i>For >7 CLF, Deduct</i>	-41.80	
07 84 43 00-0041	CLF		1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	566.80	117.56
			<i>For Up To 1.4 CLF, Add</i>	33.72	
			<i>For >7.5 CLF, Deduct</i>	-39.11	
07 84 43 00-0042	CLF		1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	632.76	121.20
			<i>For Up To 1.15 CLF, Add</i>	38.37	
			<i>For >6 CLF, Deduct</i>	-45.10	
07 84 43 00-0043	CLF		1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	686.59	121.20
			<i>For Up To 1 CLF, Add</i>	42.40	
			<i>For >5 CLF, Deduct</i>	-50.48	
07 84 43 00-0044	CLF		1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	752.55	124.83
			<i>For Up To 0.8 CLF, Add</i>	47.05	
			<i>For >4.5 CLF, Deduct</i>	-56.47	
07 84 43 00-0045	CLF		1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	818.49	129.68
			<i>For Up To 0.75 CLF, Add</i>	51.69	
			<i>For >4 CLF, Deduct</i>	-62.46	
07 84 43 00-0046	CLF		3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	884.44	133.31
			<i>For Up To 0.65 CLF, Add</i>	56.33	
			<i>For >3.5 CLF, Deduct</i>	-68.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0047 CLF 3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,082.30	145.44
<i>For Up To 0.5 CLF, Add</i>	70.26	
<i>For >2.5 CLF, Deduct</i>	-86.41	
07 84 43 00-0048 CLF 1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,346.11	161.19
<i>For Up To 0.4 CLF, Add</i>	88.84	
<i>For >2 CLF, Deduct</i>	-110.37	

07 84 56 Fire Safing (07 84)

07 84 56 13 Fibrous Fire Safing (07 84 56)

07 84 56 13-0001 Thermal Barrier Wrap (07 84 56 13)

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002 SF 1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	11.49	
<i>For Work In Restricted Working Space, Add</i>	1.72	
07 84 56 13-0003 SF 1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A).....	17.71	
<i>Note: Includes cutting wrap to fit pipe or conduit and sealing edges.</i>		
<i>For Work In Restricted Working Space, Add</i>	1.72	
07 84 56 13-0004 SF 2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A).....	19.20	
<i>Note: Includes cutting wrap to fit pipe or conduit and sealing edges.</i>		
<i>For Work In Restricted Working Space, Add</i>	1.72	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing (07 84 56 13)

07 84 56 13-0006 SF 1/2" Thermal Ceramics FireMaster Blanket Wrap	19.98	11.93
<i>For Work In Restricted Working Space, Add</i>	4.79	
<i>For >500 To 5,000, Deduct</i>	-1.72	
<i>For >5,000, Deduct</i>	-3.08	
07 84 56 13-0007 SF 1" Thermal Ceramics FireMaster Blanket Wrap	23.30	11.93
<i>For Work In Restricted Working Space, Add</i>	4.79	
<i>For >500 To 5,000, Deduct</i>	-2.48	
<i>For >5,000, Deduct</i>	-4.31	
07 84 56 13-0008 SF 1-1/2" Thermal Ceramics FireMaster Blanket Wrap.....	26.94	11.93
<i>For Work In Restricted Working Space, Add</i>	4.79	
<i>For >500 To 5,000, Deduct</i>	-3.32	
<i>For >5,000, Deduct</i>	-5.66	
07 84 56 13-0009 SF 2" Thermal Ceramics FireMaster Blanket Wrap	30.59	11.93
<i>For Work In Restricted Working Space, Add</i>	4.79	
<i>For >500 To 5,000, Deduct</i>	-4.16	
<i>For >5,000, Deduct</i>	-7.01	

07 90 Joint Protection (07)

07 91 Preformed Joint Seals (07 90)

07 91 23 Backer Rods (07 91)

07 91 23 00-0001 Backer Rods (07 91 23)

07 91 23 00-0002 LF 1/4" Polyethylene Or Polyurethane Backer Rod	1.83	0.56
07 91 23 00-0003 LF 3/8" Polyethylene Or Polyurethane Backer Rod	1.96	0.56
07 91 23 00-0004 LF 1/2" Polyethylene Or Polyurethane Backer Rod	2.11	0.56
07 91 23 00-0005 LF 5/8" Polyethylene Or Polyurethane Backer Rod	2.26	0.56
07 91 23 00-0006 LF 3/4" Polyethylene Or Polyurethane Backer Rod	2.35	0.68
07 91 23 00-0007 LF 7/8" Polyethylene Or Polyurethane Backer Rod	2.48	0.68
07 91 23 00-0008 LF 1" Polyethylene Or Polyurethane Backer Rod	2.75	0.68
07 91 23 00-0009 LF 1-1/4" Polyethylene Or Polyurethane Backer Rod	3.04	0.79
07 91 23 00-0010 LF 1-1/2" Polyethylene Or Polyurethane Backer Rod	3.40	0.90
07 91 23 00-0011 LF 2" Polyethylene Or Polyurethane Backer Rod	4.04	1.01
07 91 23 00-0012 LF 3" Polyethylene Or Polyurethane Backer Rod	6.23	1.25

07 91 26 Joint Fillers (07 91)

07 91 26 00-0001 Butyl Rubber Fillers (07 91 26)

07 91 26 00-0002 LF 1/4" x 1/4" Butyl Rubber Filler	2.61	0.68
<i>For Custom Match Coloring, Add</i>	0.05	
07 91 26 00-0003 LF 1/2" x 1/2" Butyl Rubber Filler	7.89	1.93
<i>For Custom Match Coloring, Add</i>	0.19	
07 91 26 00-0004 LF 1/2" x 3/4" Butyl Rubber Filler	9.59	2.04
<i>For Custom Match Coloring, Add</i>	0.30	
07 91 26 00-0005 LF 3/4" x 3/4" Butyl Rubber Filler	10.48	2.15
07 91 26 00-0006 LF 1" x 1" Butyl Rubber Filler	14.13	3.97

07 91 26 00-0007 Closed Cell Neoprene (07 91 26)

07 91 26 00-0008 CLF 1/8" x 3" Neoprene Gasket Closed Cell, Adhesive.....	450.60	130.67
07 91 26 00-0009 CLF 1/8" x 6" Neoprene Gasket Closed Cell, Adhesive.....	719.72	188.75
07 91 26 00-0010 CLF 1/4" x 3" Neoprene Gasket Closed Cell, Adhesive.....	576.78	161.81
07 91 26 00-0011 CLF 1/4" x 6" Neoprene Gasket Closed Cell, Adhesive.....	661.86	169.84

07 Thermal And Moisture Protection**07 90 Joint Protection****07 91 Prefomed Joint Seals**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0012 CLF 1/2" x 6" Neoprene Gasket Closed Cell, Adhesive.....	1,010.19	261.33
07 91 26 00-0013 CLF 1/2" x 9" Neoprene Gasket Closed Cell, Adhesive.....	1,153.47	283.06
07 91 26 00-0014 CLF 1/2" x 12" Neoprene Gasket Closed Cell, Adhesive.....	1,035.50	205.85
07 91 26 00-0015 Closed Cell Polyvinyl Chloride (07 91 26)		
07 91 26 00-0016 CLF 1/8" x 3" Polyethylene Joint Backing, Closed Cell.....	456.70	161.81
07 91 26 00-0017 CLF 1/8" x 6" Polyethylene Joint Backing, Closed Cell.....	756.28	261.33
07 91 26 00-0018 CLF 1/4" x 3" Polyethylene Joint Backing, Closed Cell.....	592.34	223.06
07 91 26 00-0019 CLF 1/4" x 6" Polyethylene Joint Backing, Closed Cell.....	700.44	235.51
07 91 26 00-0020 CLF 1/2" x 6" Polyethylene Joint Backing, Closed Cell.....	1,067.40	361.20
07 91 26 00-0021 CLF 1/2" x 9" Polyethylene Joint Backing, Closed Cell.....	1,238.09	391.99
07 91 26 00-0022 CLF 1/2" x 12" Polyethylene Joint Backing, Closed Cell.....	1,621.19	469.89
07 91 26 00-0023 Silicon RTV Foam Penetration Seal (07 91 26)		
07 91 26 00-0024 CLF 1/4" x 1/2" Silicon RTV Foam Seal.....	164.85	25.93
07 91 26 00-0025 CLF 1/2" x 1/2" Silicon RTV Foam Seal.....	329.69	51.74
07 91 26 00-0026 CLF 1/2" x 3/4" Silicon RTV Foam Seal.....	491.63	76.88
07 91 26 00-0027 CLF 3/4" x 3/4" Silicon RTV Foam Seal.....	698.71	103.61
07 91 26 00-0028 CLF 1/8" x 1" Silicon RTV Foam Seal.....	164.85	25.93
07 91 26 00-0029 CLF 1/8" x 3" Silicon RTV Foam Seal.....	491.17	76.66
07 91 26 00-0030 CLF 1/4" x 3" Silicon RTV Foam Seal.....	854.88	115.15
07 91 26 00-0031 CLF 1/4" x 6" Silicon RTV Foam Seal.....	1,707.75	229.51
07 91 26 00-0032 CLF 1/2" x 6" Silicon RTV Foam Seal.....	3,259.52	414.30
07 91 26 00-0033 CLF 1/2" x 9" Silicon RTV Foam Seal.....	4,972.56	647.20
07 91 26 00-0034 CLF 1/2" x 12" Silicon RTV Foam Seal.....	7,222.79	1,035.57
07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" (07 91 26)		
07 91 26 00-0036 LF 1/4" Seals O-Ring Cord, J-Seal.....	4.83	1.48
07 91 26 00-0037 LF 1/2" Seals O-Ring Cord, J-Seal.....	5.12	1.48
07 91 26 00-0038 LF 3/4" Seals O-Ring Cord, J-Seal.....	5.38	1.59
07 91 26 00-0039 LF 1" Seals O-Ring Cord, J-Seal.....	5.67	1.70
07 91 26 00-0040 LF 1-1/4" Seals O-Ring Cord, J-Seal.....	6.07	1.81
07 91 26 00-0041 LF 1-1/2" Seals O-Ring Cord, J-Seal.....	6.35	1.81
07 91 26 00-0042 LF 1-3/4" Seals O-Ring Cord, J-Seal.....	6.73	1.93
07 91 26 00-0043 LF 2" Seals O-Ring Cord, J-Seal.....	6.95	1.93
07 91 33 Expansion Joint Seal Systems (07 91)		
07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) (07 91 33)		
07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) (07 91 33 00-0001)		
Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.		
07 91 33 00-0003 LF 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH).....	92.08	7.69
07 91 33 00-0004 LF 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH).....	123.45	8.06
07 91 33 00-0005 LF 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH).....	156.53	8.42
07 91 33 00-0006 LF 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH).....	193.32	8.79
07 91 33 00-0007 LF 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH).....	251.05	9.16
07 91 33 00-0008 LF 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH).....	288.49	9.52
07 91 33 00-0009 LF 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH).....	334.92	9.89
07 91 33 00-0010 Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)		
Note: Includes prefomed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011 LF 0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162).....	46.64	7.69
07 91 33 00-0012 LF 0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175).....	50.97	7.80
07 91 33 00-0013 LF 0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200).....	61.81	7.91
07 91 33 00-0014 LF 0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225).....	65.66	8.06
07 91 33 00-0015 LF 1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250).....	70.20	8.16
07 91 33 00-0016 LF 1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300).....	86.27	8.27
07 91 33 00-0017 LF 1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350).....	106.65	8.42



Thermal And Moisture Protection			07
Joint Protection			07 90
Preformed Joint Seals			07 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0018 LF 1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400).....	126.28	8.79
07 91 33 00-0019 LF 1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500).....	143.06	9.16
07 91 33 00-0020 Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)		
<i>Note: Includes preformed Santoprene® joint seal and lubricant adhesive.</i>		
07 91 33 00-0021 LF 0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100).....	38.89	7.69
07 91 33 00-0022 LF 0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225).....	50.80	8.06
07 91 33 00-0023 LF 1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250).....	62.48	8.42
07 91 33 00-0024 LF 1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300).....	66.01	8.61
07 91 33 00-0025 LF 1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	73.32	8.79
07 91 33 00-0026 LF 1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500).....	105.59	9.16
07 91 33 00-0027 LF 1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600).....	145.55	9.52
07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)		
<i>Note: Includes a pre-compressed foam seal and silicone sealant.</i>		
07 91 33 00-0029 LF 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100).....	34.15	3.06
07 91 33 00-0030 LF 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	57.41	3.18
07 91 33 00-0031 LF 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	86.55	3.30
07 91 33 00-0032 LF 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	109.18	3.42
07 91 33 00-0033 LF 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	143.75	3.54
07 91 33 00-0034 LF 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	190.26	3.66
07 91 33 00-0035 LF 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	233.41	3.79
07 91 33 00-0036 LF 2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	314.87	3.91
07 91 33 00-0037 LF 3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	367.65	4.03
07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)		
<i>Note: Includes a pre-compressed foam seal and silicone sealant.</i>		
07 91 33 00-0039 LF 0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	33.31	3.06
07 91 33 00-0040 LF 1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	44.02	3.18
07 91 33 00-0041 LF 1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	59.13	3.30
07 91 33 00-0042 LF 1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	80.30	3.42
07 91 33 00-0043 LF 2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	91.63	3.54
07 91 33 00-0044 LF 2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	127.26	3.66
07 91 33 00-0045 LF 3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	171.04	3.79
07 91 33 00-0046 LF 3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	184.68	3.91
07 92 Joint Sealants (07 90)		
07 92 13 Elastomeric Joint Sealants (07 92)		
07 92 13 00-0001 Silicone Sealant And Caulking (07 92 13)		
07 92 13 00-0002 CLF 1/4" x 1/4" Joint, Silicone Sealant And Caulking.....	377.98	109.08
<i>For Custom Match Coloring, Add</i>	12.18	
<i>For Up To 6 CLF, Add</i>	20.17	
<i>For >30 CLF, Deduct</i>	-21.44	
<i>For 1 Part Mildew Resistant, Add</i>	17.76	
<i>For High-Modulus Non-Acid Curing, Add</i>	10.15	

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0003	CLF	1/4" x 3/8"	Joint, Silicone Sealant And Caulking	403.35	109.08
			<i>For Custom Match Coloring, Add</i>	18.27	
			<i>For Up To 4 CLF, Add</i>	22.07	
			<i>For >20 CLF, Deduct</i>	-23.97	
			<i>For 1 Part Mildew Resistant, Add</i>	26.64	
			<i>For High-Modulus Non-Acid Curing, Add</i>	15.22	
07 92 13 00-0004	CLF	1/4" x 1/2"	Joint, Silicone Sealant And Caulking	440.84	112.71
			<i>For Custom Match Coloring, Add</i>	24.36	
			<i>For Up To 3 CLF, Add</i>	24.58	
			<i>For >15 CLF, Deduct</i>	-27.12	
			<i>For 1 Part Mildew Resistant, Add</i>	35.52	
			<i>For High-Modulus Non-Acid Curing, Add</i>	20.30	
07 92 13 00-0005	CLF	3/8" x 3/8"	Joint, Silicone Sealant And Caulking	453.53	112.71
			<i>For Custom Match Coloring, Add</i>	27.40	
			<i>For Up To 2.5 CLF, Add</i>	25.53	
			<i>For >13 CLF, Deduct</i>	-28.39	
			<i>For 1 Part Mildew Resistant, Add</i>	39.96	
			<i>For High-Modulus Non-Acid Curing, Add</i>	22.84	
07 92 13 00-0006	CLF	3/8" x 1/2"	Joint, Silicone Sealant And Caulking	491.59	112.71
			<i>For Custom Match Coloring, Add</i>	36.54	
			<i>For Up To 2 CLF, Add</i>	28.39	
			<i>For >10 CLF, Deduct</i>	-32.19	
			<i>For 1 Part Mildew Resistant, Add</i>	53.28	
			<i>For High-Modulus Non-Acid Curing, Add</i>	30.45	
07 92 13 00-0007	CLF	3/8" x 5/8"	Joint, Silicone Sealant And Caulking	529.65	112.71
			<i>For Custom Match Coloring, Add</i>	45.67	
			<i>For Up To 1.5 CLF, Add</i>	31.24	
			<i>For >8 CLF, Deduct</i>	-36.00	
			<i>For 1 Part Mildew Resistant, Add</i>	66.61	
			<i>For High-Modulus Non-Acid Curing, Add</i>	38.06	
07 92 13 00-0008	CLF	3/8" x 3/4"	Joint, Silicone Sealant And Caulking	579.83	117.56
			<i>For Custom Match Coloring, Add</i>	54.81	
			<i>For Up To 1.3 CLF, Add</i>	34.70	
			<i>For >7 CLF, Deduct</i>	-40.41	
			<i>For 1 Part Mildew Resistant, Add</i>	79.93	
			<i>For High-Modulus Non-Acid Curing, Add</i>	45.67	
07 92 13 00-0009	CLF	1/2" x 1/2"	Joint, Silicone Sealant And Caulking	554.46	117.56
			<i>For Custom Match Coloring, Add</i>	48.72	
			<i>For Up To 1.4 CLF, Add</i>	32.80	
			<i>For >7.5 CLF, Deduct</i>	-37.87	
			<i>For 1 Part Mildew Resistant, Add</i>	71.05	
			<i>For High-Modulus Non-Acid Curing, Add</i>	40.60	
07 92 13 00-0010	CLF	1/2" x 5/8"	Joint, Silicone Sealant And Caulking	617.33	121.20
			<i>For Custom Match Coloring, Add</i>	60.90	
			<i>For Up To 1.15 CLF, Add</i>	37.21	
			<i>For >6 CLF, Deduct</i>	-43.55	
			<i>For 1 Part Mildew Resistant, Add</i>	88.81	
			<i>For High-Modulus Non-Acid Curing, Add</i>	50.75	
07 92 13 00-0011	CLF	1/2" x 3/4"	Joint, Silicone Sealant And Caulking	668.08	121.20
			<i>For Custom Match Coloring, Add</i>	73.08	
			<i>For Up To 1 CLF, Add</i>	41.02	
			<i>For >5 CLF, Deduct</i>	-48.63	
			<i>For 1 Part Mildew Resistant, Add</i>	106.57	
			<i>For High-Modulus Non-Acid Curing, Add</i>	60.90	
07 92 13 00-0012	CLF	1/2" x 7/8"	Joint, Silicone Sealant And Caulking	730.95	124.83
			<i>For Custom Match Coloring, Add</i>	85.26	
			<i>For Up To 0.8 CLF, Add</i>	45.43	
			<i>For >4.5 CLF, Deduct</i>	-54.31	
			<i>For 1 Part Mildew Resistant, Add</i>	124.33	
			<i>For High-Modulus Non-Acid Curing, Add</i>	71.05	
07 92 13 00-0013	CLF	1/2" x 1"	Joint, Silicone Sealant And Caulking	793.80	129.68
			<i>For Custom Match Coloring, Add</i>	97.43	
			<i>For Up To 0.75 CLF, Add</i>	49.84	
			<i>For >4 CLF, Deduct</i>	-59.99	
			<i>For 1 Part Mildew Resistant, Add</i>	142.09	
			<i>For High-Modulus Non-Acid Curing, Add</i>	81.19	
07 92 13 00-0014	CLF	3/4" x 3/4"	Joint, Silicone Sealant And Caulking	856.67	133.31
			<i>For Custom Match Coloring, Add</i>	109.61	
			<i>For Up To 0.65 CLF, Add</i>	54.25	
			<i>For >3.5 CLF, Deduct</i>	-65.67	
			<i>For 1 Part Mildew Resistant, Add</i>	159.85	
			<i>For High-Modulus Non-Acid Curing, Add</i>	91.34	
07 92 13 00-0015	CLF	3/4" x 1"	Joint, Silicone Sealant And Caulking	1,045.27	145.44
			<i>For Custom Match Coloring, Add</i>	146.15	
			<i>For Up To 0.5 CLF, Add</i>	67.49	
			<i>For >2.5 CLF, Deduct</i>	-82.71	
			<i>For 1 Part Mildew Resistant, Add</i>	213.14	
			<i>For High-Modulus Non-Acid Curing, Add</i>	121.79	
07 92 13 00-0016	CLF	1" x 1"	Joint, Silicone Sealant And Caulking	1,296.74	161.19
			<i>For Custom Match Coloring, Add</i>	194.87	
			<i>For Up To 0.4 CLF, Add</i>	85.14	
			<i>For >2 CLF, Deduct</i>	-105.43	
			<i>For 1 Part Mildew Resistant, Add</i>	284.18	
			<i>For High-Modulus Non-Acid Curing, Add</i>	162.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0017 Acrylic/Latex Sealant And Caulking <small>(07 92 13)</small>		
07 92 13 00-0018 CLF 1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	345.03	109.08
For Up To 6 CLF, Add	17.70	
For >30 CLF, Deduct	-18.14	
07 92 13 00-0019 CLF 1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	353.94	109.08
For Up To 4 CLF, Add	18.36	
For >20 CLF, Deduct	-19.03	
07 92 13 00-0020 CLF 1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	374.96	112.71
For Up To 3 CLF, Add	19.64	
For >15 CLF, Deduct	-20.53	
07 92 13 00-0021 CLF 3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	379.41	112.71
For Up To 2.5 CLF, Add	19.97	
For >13 CLF, Deduct	-20.97	
07 92 13 00-0022 CLF 3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	392.76	112.71
For Up To 2 CLF, Add	20.97	
For >10 CLF, Deduct	-22.31	
07 92 13 00-0023 CLF 3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	406.11	112.71
For Up To 1.5 CLF, Add	21.97	
For >8 CLF, Deduct	-23.64	
07 92 13 00-0024 CLF 3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	431.59	117.56
For Up To 1.3 CLF, Add	23.58	
For >7 CLF, Deduct	-25.59	
07 92 13 00-0025 CLF 1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	422.68	117.56
For Up To 1.4 CLF, Add	22.91	
For >7.5 CLF, Deduct	-24.69	
07 92 13 00-0026 CLF 1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	452.62	121.20
For Up To 1.15 CLF, Add	24.86	
For >6 CLF, Deduct	-27.08	
07 92 13 00-0027 CLF 1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	470.42	121.20
For Up To 1 CLF, Add	26.19	
For >5 CLF, Deduct	-28.86	
07 92 13 00-0028 CLF 1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	500.35	124.83
For Up To 0.8 CLF, Add	28.13	
For >4.5 CLF, Deduct	-31.25	
07 92 13 00-0029 CLF 1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	530.26	129.68
For Up To 0.75 CLF, Add	30.07	
For >4 CLF, Deduct	-33.63	
07 92 13 00-0030 CLF 3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	560.18	133.31
For Up To 0.65 CLF, Add	32.01	
For >3.5 CLF, Deduct	-36.02	
07 92 13 00-0031 CLF 3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	649.95	145.44
For Up To 0.5 CLF, Add	37.84	
For >2.5 CLF, Deduct	-43.18	
07 92 13 00-0032 CLF 1" x 1" Joint, Acrylic/Latex Sealant And Caulking	769.65	161.19
For Up To 0.4 CLF, Add	45.60	
For >2 CLF, Deduct	-52.73	
07 92 13 00-0033 Polyurethane Sealant And Caulking <small>(07 92 13)</small>		
Note: 1 or 2 part, non-sag.		
07 92 13 00-0034 CLF 1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	366.15	109.08
For Up To 6 CLF, Add	19.28	
For >30 CLF, Deduct	-20.25	
07 92 13 00-0035 CLF 1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	385.61	109.08
For Up To 4 CLF, Add	20.74	
For >20 CLF, Deduct	-22.20	
07 92 13 00-0036 CLF 1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	417.19	112.71
For Up To 3 CLF, Add	22.81	
For >15 CLF, Deduct	-24.75	
07 92 13 00-0037 CLF 3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	426.92	112.71
For Up To 2.5 CLF, Add	23.54	
For >13 CLF, Deduct	-25.72	
07 92 13 00-0038 CLF 3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	456.11	112.71
For Up To 2 CLF, Add	25.72	
For >10 CLF, Deduct	-28.64	
07 92 13 00-0039 CLF 3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	485.30	112.71
For Up To 1.5 CLF, Add	27.91	
For >8 CLF, Deduct	-31.56	
07 92 13 00-0040 CLF 3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	526.61	117.56
For Up To 1.3 CLF, Add	30.71	
For >7 CLF, Deduct	-35.09	
07 92 13 00-0041 CLF 1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	507.15	117.56
For Up To 1.4 CLF, Add	29.25	
For >7.5 CLF, Deduct	-33.14	
07 92 13 00-0042 CLF 1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	558.20	121.20
For Up To 1.15 CLF, Add	32.78	
For >6 CLF, Deduct	-37.64	
07 92 13 00-0043 CLF 1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	597.13	121.20
For Up To 1 CLF, Add	35.69	
For >5 CLF, Deduct	-41.53	
07 92 13 00-0044 CLF 1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	648.17	124.83
For Up To 0.8 CLF, Add	39.22	
For >4.5 CLF, Deduct	-46.03	

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0045	CLF		1/2" x 1" Joint, Polyurethane Sealant And Caulking.....	699.20	129.68
			<i>For Up To 0.75 CLF, Add</i>	42.74	
			<i>For >4 CLF, Deduct</i>	-50.53	
07 92 13 00-0046	CLF		3/4" x 3/4" Joint, Polyurethane Sealant And Caulking.....	750.24	133.31
			<i>For Up To 0.65 CLF, Add</i>	46.27	
			<i>For >3.5 CLF, Deduct</i>	-55.03	
07 92 13 00-0047	CLF		3/4" x 1" Joint, Polyurethane Sealant And Caulking.....	903.36	145.44
			<i>For Up To 0.5 CLF, Add</i>	56.84	
			<i>For >2.5 CLF, Deduct</i>	-68.52	
07 92 13 00-0048			Flexible Polysulfide Sealant And Caulking, Clear (07 92 13)		
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0049	CLF		1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	369.84	109.08
			<i>For Up To 6 CLF, Add</i>	19.56	
			<i>For >30 CLF, Deduct</i>	-20.62	
07 92 13 00-0050	CLF		1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	391.17	109.08
			<i>For Up To 4 CLF, Add</i>	21.16	
			<i>For >20 CLF, Deduct</i>	-22.76	
07 92 13 00-0051	CLF		1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	424.60	112.71
			<i>For Up To 3 CLF, Add</i>	23.36	
			<i>For >15 CLF, Deduct</i>	-25.49	
07 92 13 00-0052	CLF		3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	435.25	112.71
			<i>For Up To 2.5 CLF, Add</i>	24.16	
			<i>For >13 CLF, Deduct</i>	-26.56	
07 92 13 00-0053	CLF		3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	467.23	112.71
			<i>For Up To 2 CLF, Add</i>	26.56	
			<i>For >10 CLF, Deduct</i>	-29.76	
07 92 13 00-0054	CLF		3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	499.19	112.71
			<i>For Up To 1.5 CLF, Add</i>	28.96	
			<i>For >8 CLF, Deduct</i>	-32.95	
07 92 13 00-0055	CLF		3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	543.27	117.56
			<i>For Up To 1.3 CLF, Add</i>	31.96	
			<i>For >7 CLF, Deduct</i>	-36.75	
07 92 13 00-0056	CLF		1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	521.97	117.56
			<i>For Up To 1.4 CLF, Add</i>	30.36	
			<i>For >7.5 CLF, Deduct</i>	-34.62	
07 92 13 00-0057	CLF		1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	576.73	121.20
			<i>For Up To 1.15 CLF, Add</i>	34.16	
			<i>For >6 CLF, Deduct</i>	-39.49	
07 92 13 00-0058	CLF		1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	619.34	121.20
			<i>For Up To 1 CLF, Add</i>	37.36	
			<i>For >5 CLF, Deduct</i>	-43.75	
07 92 13 00-0059	CLF		1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	674.10	124.83
			<i>For Up To 0.8 CLF, Add</i>	41.16	
			<i>For >4.5 CLF, Deduct</i>	-48.62	
07 92 13 00-0060	CLF		1/2" x 1" Joint, Polysulfide Sealant And Caulking	728.82	129.68
			<i>For Up To 0.75 CLF, Add</i>	44.97	
			<i>For >4 CLF, Deduct</i>	-53.49	
07 92 13 00-0061	CLF		3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	783.58	133.31
			<i>For Up To 0.65 CLF, Add</i>	48.77	
			<i>For >3.5 CLF, Deduct</i>	-58.36	
07 92 13 00-0062	CLF		3/4" x 1" Joint, Polysulfide Sealant And Caulking	947.80	145.44
			<i>For Up To 0.5 CLF, Add</i>	60.18	
			<i>For >2.5 CLF, Deduct</i>	-72.96	
07 92 13 00-0063			Flexible Polyurethane Security Sealant And Caulking (07 92 13)		
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0064	CLF		1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	378.89	109.08
			<i>For Up To 6 CLF, Add</i>	20.24	
			<i>For >30 CLF, Deduct</i>	-21.53	
07 92 13 00-0065	CLF		1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	404.71	109.08
			<i>For Up To 4 CLF, Add</i>	22.17	
			<i>For >20 CLF, Deduct</i>	-24.11	
07 92 13 00-0066	CLF		1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	442.66	112.71
			<i>For Up To 3 CLF, Add</i>	24.72	
			<i>For >15 CLF, Deduct</i>	-27.30	
07 92 13 00-0067	CLF		3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	455.58	112.71
			<i>For Up To 2.5 CLF, Add</i>	25.68	
			<i>For >13 CLF, Deduct</i>	-28.59	
07 92 13 00-0068	CLF		3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	494.32	112.71
			<i>For Up To 2 CLF, Add</i>	28.59	
			<i>For >10 CLF, Deduct</i>	-32.46	
07 92 13 00-0069	CLF		3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	533.06	112.71
			<i>For Up To 1.5 CLF, Add</i>	31.50	
			<i>For >8 CLF, Deduct</i>	-36.34	
07 92 13 00-0070	CLF		3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	583.92	117.56
			<i>For Up To 1.3 CLF, Add</i>	35.01	
			<i>For >7 CLF, Deduct</i>	-40.82	
07 92 13 00-0071	CLF		1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	558.10	117.56
			<i>For Up To 1.4 CLF, Add</i>	33.07	
			<i>For >7.5 CLF, Deduct</i>	-38.24	



Thermal And Moisture Protection		07
Joint Protection		07 90
Joint Sealants		07 92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0072	CLF		1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	621.88 37.55 -44.01	121.20
07 92 13 00-0073	CLF		1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	673.54 41.43 -49.17	121.20
07 92 13 00-0074	CLF		1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	737.31 45.91 -54.95	124.83
07 92 13 00-0075	CLF		1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	801.08 50.39 -60.72	129.68
07 92 13 00-0076	CLF		3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	864.86 54.87 -66.49	133.31
07 92 13 00-0077	CLF		3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	1,056.19 68.31 -83.80	145.44

07 92 19 Acoustical Joint Sealants (07 92)

07 92 19 00-0001 Acoustical Sealant (07 92 19)

07 92 19 00-0002	CLF		1/4" x 1/4" Joint, Acoustical Sealant..... <i>For Custom Match Coloring, Add</i> <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	376.39 11.80 20.05 -21.28 17.21 9.83	109.08
07 92 19 00-0003	CLF		1/4" x 3/8" Joint, Acoustical Sealant..... <i>For Custom Match Coloring, Add</i> <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	395.07 16.28 21.45 -23.15 23.74 13.57	109.08
07 92 19 00-0004	CLF		1/4" x 1/2" Joint, Acoustical Sealant..... <i>For Custom Match Coloring, Add</i> <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	418.19 18.92 22.88 -24.85 27.59 15.77	112.71
07 92 19 00-0005	CLF		3/8" x 3/8" Joint, Acoustical Sealant..... <i>For Custom Match Coloring, Add</i> <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	448.74 26.25 25.17 -27.91 38.29 21.88	112.71
07 92 19 00-0006	CLF		3/8" x 1/2" Joint, Acoustical Sealant..... <i>For Custom Match Coloring, Add</i> <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	480.49 33.87 27.55 -31.08 49.40 28.23	112.71
07 92 19 00-0007	CLF		1/2" x 1/2" Joint, Acoustical Sealant..... <i>For Custom Match Coloring, Add</i> <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	550.35 47.73 32.49 -37.46 69.61 39.78	117.56

07 95 Expansion Control (07 90)

07 95 13 Expansion Joint Cover Assemblies (07 95)

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies (07 95 13 13)

07 95 13 13-0002 With 1" Space (07 95 13 13-0001)

07 95 13 13-0003	LF		1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover.....	72.95	6.51
07 95 13 13-0004	LF		1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	74.76	6.51
07 95 13 13-0005	LF		1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	74.53	6.51

07 95 13 13-0006 With 2" Space (07 95 13 13-0001)

07 95 13 13-0007	LF		2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	97.99	6.51
07 95 13 13-0008	LF		2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	92.04	6.51
07 95 13 13-0009	LF		2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	100.36	6.51

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)

07 95 13 13-0011 With 1" Space (07 95 13 13-0010)

07 Thermal And Moisture Protection**07 90 Joint Protection****07 95 Expansion Control**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 13-0012	LF		1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	53.58	6.51
07 95 13 13-0013	LF		1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	63.13	6.51
07 95 13 13-0014	LF		1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	67.28	6.51
07 95 13 13-0015			With 2" Space <small>(07 95 13 13-0010)</small>		
07 95 13 13-0016	LF		2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	68.60	6.51
07 95 13 13-0017	LF		2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	71.76	6.51
07 95 13 13-0018	LF		2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	80.19	6.51
07 95 13 16			Exterior Expansion Joint Cover Assemblies <small>(07 95 13)</small>		
07 95 13 16-0001			Exterior Roof Aluminum Expansion Joint Cover Assemblies <small>(07 95 13 16)</small>		
07 95 13 16-0002			Roof To Roof <small>(07 95 13 16-0001)</small>		
07 95 13 16-0003	LF		1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	99.82	4.34
07 95 13 16-0004	LF		2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	120.89	4.34
07 95 13 16-0005	LF		3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	135.41	4.34
07 95 13 16-0006			Roof To Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0007	LF		1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	73.49	4.34
07 95 13 16-0008	LF		2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	99.29	4.34
07 95 13 16-0009			Flat Wall To Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0010	LF		1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	54.18	4.34
07 95 13 16-0011	LF		2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	69.66	4.34
07 95 13 16-0012	LF		3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	88.34	4.34
07 95 13 16-0013			Corner To Flat Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0014	LF		1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	50.67	4.34
07 95 13 16-0015	LF		2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	60.99	4.34
07 95 13 16-0016	LF		3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	89.99	4.34

END OF SECTION 07



Openings	08	08
Doors and Frames	08 10	
Metal Doors and Frames	08 11	

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

08 Openings

08 10 Doors and Frames⁽⁰⁸⁾

08 11 Metal Doors and Frames^(08 10)

08 11 63 Metal Screen and Storm Doors and Frames^(08 11)

08 11 63 13 Steel Screen and Storm Doors and Frames^(08 11 63)

08 11 63 13-0001 Steel Screen Door^(08 11 63 13)

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA	2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware	1,123.41	166.71
08 11 63 13-0003	EA	3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware	1,135.58	172.78
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware	1,304.68	172.78

08 11 63 23 Aluminum Screen and Storm Doors and Frames^(08 11 63)

08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom^(08 11 63 23)

Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware	1,059.82	97.00
		<i>For Special Finished, Add</i>	98.08	
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware	1,114.95	97.00
08 11 63 23-0004	EA	Aluminum Screen Door	315.03	60.60
08 11 63 23-0005	SF	Repair Screen Door	9.43	

08 11 73 Sliding Metal Fire Doors^(08 11)

08 11 73 00-0001 Motor Operated Fire Door^(08 11 73)

Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,937.21	542.26
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,337.75	542.26
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	6,014.77	542.26
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	6,743.80	542.26

08 12 Metal Frames^(08 10)

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames^(08 12)

08 12 13 13 Standard Hollow Metal Frames^(08 12 13)

Note: Shop prime coat.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames^(08 12 13 13)

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames^(08 12 13 13-0001)

08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	340.55	90.94
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	23.80	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	19.04	
		<i>For Type 304 Stainless Steel Frame, Add</i>	294.74	
		<i>For Type 316 Stainless Steel Frame, Add</i>	342.34	
		<i>For Baked Enamel Finish, Add</i>	74.89	
		<i>For 18 Gauge Frame, Deduct</i>	-15.87	
		<i>For 14 Gauge Frame, Add</i>	39.67	
		<i>For 12 Gauge Frame, Add</i>	60.30	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	388.98	100.02
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.34	
		<i>For Welded Frames, Add</i>	92.51	
		<i>For Galvanized Frames, Add</i>	22.67	
		<i>For Type 304 Stainless Steel Frame, Add</i>	350.06	
		<i>For Type 316 Stainless Steel Frame, Add</i>	406.74	
		<i>For Baked Enamel Finish, Add</i>	86.69	
		<i>For 18 Gauge Frame, Deduct</i>	-18.89	
		<i>For 14 Gauge Frame, Add</i>	47.23	
		<i>For 12 Gauge Frame, Add</i>	71.79	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0005	EA		2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	404.13	106.09
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	23.03	
			<i>For Type 304 Stainless Steel Frame, Add</i>	356.12	
			<i>For Type 316 Stainless Steel Frame, Add</i>	413.70	
			<i>For Baked Enamel Finish, Add</i>	89.41	
			<i>For 18 Gauge Frame, Deduct</i>	-19.20	
			<i>For 14 Gauge Frame, Add</i>	47.99	
			<i>For 12 Gauge Frame, Add</i>	72.94	
08 12 13 13-0006	EA		2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	422.31	115.18
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	23.03	
			<i>For Type 304 Stainless Steel Frame, Add</i>	357.03	
			<i>For Type 316 Stainless Steel Frame, Add</i>	414.61	
			<i>For Baked Enamel Finish, Add</i>	92.14	
			<i>For 18 Gauge Frame, Deduct</i>	-19.20	
			<i>For 14 Gauge Frame, Add</i>	47.99	
			<i>For 12 Gauge Frame, Add</i>	72.94	
08 12 13 13-0007	EA		2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	431.40	118.21
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.25	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	23.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	362.77	
			<i>For Type 316 Stainless Steel Frame, Add</i>	421.26	
			<i>For Baked Enamel Finish, Add</i>	93.96	
			<i>For 18 Gauge Frame, Deduct</i>	-19.50	
			<i>For 14 Gauge Frame, Add</i>	48.74	
			<i>For 12 Gauge Frame, Add</i>	74.09	
08 12 13 13-0008	EA		3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	440.48	121.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.70	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	23.76	
			<i>For Type 304 Stainless Steel Frame, Add</i>	368.51	
			<i>For Type 316 Stainless Steel Frame, Add</i>	427.90	
			<i>For Baked Enamel Finish, Add</i>	95.77	
			<i>For 18 Gauge Frame, Deduct</i>	-19.80	
			<i>For 14 Gauge Frame, Add</i>	49.50	
			<i>For 12 Gauge Frame, Add</i>	75.24	
08 12 13 13-0009	EA		3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	466.20	127.31
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.74	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	393.59	
			<i>For Type 316 Stainless Steel Frame, Add</i>	457.07	
			<i>For Baked Enamel Finish, Add</i>	101.67	
			<i>For 18 Gauge Frame, Deduct</i>	-21.16	
			<i>For 14 Gauge Frame, Add</i>	52.90	
			<i>For 12 Gauge Frame, Add</i>	80.40	
08 12 13 13-0010	EA		3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	478.33	133.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.74	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	394.20	
			<i>For Type 316 Stainless Steel Frame, Add</i>	457.68	
			<i>For Baked Enamel Finish, Add</i>	103.49	
			<i>For 18 Gauge Frame, Deduct</i>	-21.16	
			<i>For 14 Gauge Frame, Add</i>	52.90	
			<i>For 12 Gauge Frame, Add</i>	80.40	
08 12 13 13-0011	EA		4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	498.01	139.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.87	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.30	
			<i>For Type 304 Stainless Steel Frame, Add</i>	408.41	
			<i>For Type 316 Stainless Steel Frame, Add</i>	474.16	
			<i>For Baked Enamel Finish, Add</i>	107.57	
			<i>For 18 Gauge Frame, Deduct</i>	-21.92	
			<i>For 14 Gauge Frame, Add</i>	54.79	
			<i>For 12 Gauge Frame, Add</i>	83.28	
08 12 13 13-0012	EA		5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	517.70	145.49
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.01	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	27.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	422.63	
			<i>For Type 316 Stainless Steel Frame, Add</i>	490.64	
			<i>For Baked Enamel Finish, Add</i>	111.66	
			<i>For 18 Gauge Frame, Deduct</i>	-22.67	
			<i>For 14 Gauge Frame, Add</i>	56.68	
			<i>For 12 Gauge Frame, Add</i>	86.15	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0013	EA		5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	529.82	151.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.01	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	27.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	423.23	
			<i>For Type 316 Stainless Steel Frame, Add</i>	491.25	
			<i>For Baked Enamel Finish, Add</i>	113.48	
			<i>For 18 Gauge Frame, Deduct</i>	-22.67	
			<i>For 14 Gauge Frame, Add</i>	56.68	
			<i>For 12 Gauge Frame, Add</i>	86.15	
08 12 13 13-0014	EA		5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	539.66	154.59
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.57	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	27.66	
			<i>For Type 304 Stainless Steel Frame, Add</i>	430.34	
			<i>For Type 316 Stainless Steel Frame, Add</i>	499.49	
			<i>For Baked Enamel Finish, Add</i>	115.52	
			<i>For 18 Gauge Frame, Deduct</i>	-23.05	
			<i>For 14 Gauge Frame, Add</i>	57.62	
			<i>For 12 Gauge Frame, Add</i>	87.59	
08 12 13 13-0015	EA		6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	549.50	157.62
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.14	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.11	
			<i>For Type 304 Stainless Steel Frame, Add</i>	437.43	
			<i>For Type 316 Stainless Steel Frame, Add</i>	507.71	
			<i>For Baked Enamel Finish, Add</i>	117.56	
			<i>For 18 Gauge Frame, Deduct</i>	-23.43	
			<i>For 14 Gauge Frame, Add</i>	58.57	
			<i>For 12 Gauge Frame, Add</i>	89.02	
08 12 13 13-0016	EA		7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	570.68	160.65
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.41	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	29.93	
			<i>For Type 304 Stainless Steel Frame, Add</i>	464.95	
			<i>For Type 316 Stainless Steel Frame, Add</i>	539.76	
			<i>For Baked Enamel Finish, Add</i>	123.01	
			<i>For 18 Gauge Frame, Deduct</i>	-24.94	
			<i>For 14 Gauge Frame, Add</i>	62.35	
			<i>For 12 Gauge Frame, Add</i>	94.76	
08 12 13 13-0017	EA		8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	591.85	163.68
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.67	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	31.74	
			<i>For Type 304 Stainless Steel Frame, Add</i>	492.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	571.80	
			<i>For Baked Enamel Finish, Add</i>	128.45	
			<i>For 18 Gauge Frame, Deduct</i>	-26.45	
			<i>For 14 Gauge Frame, Add</i>	66.12	
			<i>For 12 Gauge Frame, Add</i>	100.51	
08 12 13 13-0018			>7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0001)		
08 12 13 13-0019	EA		2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	358.19	90.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.45	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	21.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	326.49	
			<i>For Type 316 Stainless Steel Frame, Add</i>	379.39	
			<i>For Baked Enamel Finish, Add</i>	80.18	
			<i>For 18 Gauge Frame, Deduct</i>	-17.63	
			<i>For 14 Gauge Frame, Add</i>	44.08	
			<i>For 12 Gauge Frame, Add</i>	67.01	
08 12 13 13-0020	EA		2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	409.97	100.02
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.49	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.19	
			<i>For Type 304 Stainless Steel Frame, Add</i>	387.84	
			<i>For Type 316 Stainless Steel Frame, Add</i>	450.81	
			<i>For Baked Enamel Finish, Add</i>	92.98	
			<i>For 18 Gauge Frame, Deduct</i>	-20.99	
			<i>For 14 Gauge Frame, Add</i>	52.48	
			<i>For 12 Gauge Frame, Add</i>	79.77	
08 12 13 13-0021	EA		2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	425.45	106.09
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.99	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	394.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	458.48	
			<i>For Baked Enamel Finish, Add</i>	95.81	
			<i>For 18 Gauge Frame, Deduct</i>	-21.33	
			<i>For 14 Gauge Frame, Add</i>	53.32	
			<i>For 12 Gauge Frame, Add</i>	81.04	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0022	EA	2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	443.63	115.18
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.99	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	25.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	395.40	
			<i>For Type 316 Stainless Steel Frame, Add</i>	459.39	
			<i>For Baked Enamel Finish, Add</i>	98.54	
			<i>For 18 Gauge Frame, Deduct</i>	-21.33	
			<i>For 14 Gauge Frame, Add</i>	53.32	
			<i>For 12 Gauge Frame, Add</i>	81.04	
08 12 13	13-0023	EA	2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	453.06	118.21
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.49	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.00	
			<i>For Type 304 Stainless Steel Frame, Add</i>	401.76	
			<i>For Type 316 Stainless Steel Frame, Add</i>	466.74	
			<i>For Baked Enamel Finish, Add</i>	100.45	
			<i>For 18 Gauge Frame, Deduct</i>	-21.66	
			<i>For 14 Gauge Frame, Add</i>	54.16	
			<i>For 12 Gauge Frame, Add</i>	82.32	
08 12 13	13-0024	EA	3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	462.48	121.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.00	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	408.11	
			<i>For Type 316 Stainless Steel Frame, Add</i>	474.10	
			<i>For Baked Enamel Finish, Add</i>	102.37	
			<i>For 18 Gauge Frame, Deduct</i>	-22.00	
			<i>For 14 Gauge Frame, Add</i>	55.00	
			<i>For 12 Gauge Frame, Add</i>	83.60	
08 12 13	13-0025	EA	3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	489.71	127.31
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	435.91	
			<i>For Type 316 Stainless Steel Frame, Add</i>	506.44	
			<i>For Baked Enamel Finish, Add</i>	108.72	
			<i>For 18 Gauge Frame, Deduct</i>	-23.51	
			<i>For 14 Gauge Frame, Add</i>	58.78	
			<i>For 12 Gauge Frame, Add</i>	89.34	
08 12 13	13-0026	EA	3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	501.84	133.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	436.52	
			<i>For Type 316 Stainless Steel Frame, Add</i>	507.05	
			<i>For Baked Enamel Finish, Add</i>	110.54	
			<i>For 18 Gauge Frame, Deduct</i>	-23.51	
			<i>For 14 Gauge Frame, Add</i>	58.78	
			<i>For 12 Gauge Frame, Add</i>	89.34	
08 12 13	13-0027	EA	4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	522.36	139.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.53	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	29.22	
			<i>For Type 304 Stainless Steel Frame, Add</i>	452.24	
			<i>For Type 316 Stainless Steel Frame, Add</i>	525.29	
			<i>For Baked Enamel Finish, Add</i>	114.88	
			<i>For 18 Gauge Frame, Deduct</i>	-24.35	
			<i>For 14 Gauge Frame, Add</i>	60.88	
			<i>For 12 Gauge Frame, Add</i>	92.53	
08 12 13	13-0028	EA	5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	542.89	145.49
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	30.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	467.97	
			<i>For Type 316 Stainless Steel Frame, Add</i>	543.54	
			<i>For Baked Enamel Finish, Add</i>	119.22	
			<i>For 18 Gauge Frame, Deduct</i>	-25.19	
			<i>For 14 Gauge Frame, Add</i>	62.98	
			<i>For 12 Gauge Frame, Add</i>	95.72	
08 12 13	13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	555.01	151.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	30.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	468.58	
			<i>For Type 316 Stainless Steel Frame, Add</i>	544.15	
			<i>For Baked Enamel Finish, Add</i>	121.04	
			<i>For 18 Gauge Frame, Deduct</i>	-25.19	
			<i>For 14 Gauge Frame, Add</i>	62.98	
			<i>For 12 Gauge Frame, Add</i>	95.72	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0030	EA		5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	565.26 38.41 92.51 30.73 476.42 553.25 123.20 -25.61 64.02 97.31	154.59
08 12 13 13-0031	EA		6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	575.53 39.04 92.51 31.23 484.28 562.37 125.37 -26.03 65.07 98.91	157.62
08 12 13 13-0032	EA		7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	598.39 41.56 92.51 33.25 514.83 597.95 131.32 -27.71 69.27 105.29	160.65
08 12 13 13-0033	EA		8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	621.24 44.08 92.51 35.27 545.35 633.52 137.27 -29.39 73.47 111.67	163.68
08 12 13 13-0034			5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13) Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0035			6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)		
08 12 13 13-0036	EA		2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	358.19 26.45 92.51 21.16 326.49 379.39 80.18 -17.63 44.08 67.01	90.94
08 12 13 13-0037	EA		2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	409.97 31.49 92.51 25.19 387.84 450.81 92.98 -20.99 52.48 79.77	100.02
08 12 13 13-0038	EA		2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	425.45 31.99 92.51 25.59 394.50 458.48 95.81 -21.33 53.32 81.04	106.09
08 12 13 13-0039	EA		2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	443.63 31.99 92.51 25.59 395.40 459.39 98.54 -21.33 53.32 81.04	115.18

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0040	EA		2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	453.06	118.21
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.49	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.00	
			<i>For Type 304 Stainless Steel Frame, Add</i>	401.76	
			<i>For Type 316 Stainless Steel Frame, Add</i>	466.74	
			<i>For Baked Enamel Finish, Add</i>	100.45	
			<i>For 18 Gauge Frame, Deduct</i>	-21.66	
			<i>For 14 Gauge Frame, Add</i>	54.16	
			<i>For 12 Gauge Frame, Add</i>	82.32	
08 12 13 13-0041	EA		3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	462.48	121.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.00	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	26.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	408.11	
			<i>For Type 316 Stainless Steel Frame, Add</i>	474.10	
			<i>For Baked Enamel Finish, Add</i>	102.37	
			<i>For 18 Gauge Frame, Deduct</i>	-22.00	
			<i>For 14 Gauge Frame, Add</i>	55.00	
			<i>For 12 Gauge Frame, Add</i>	83.60	
08 12 13 13-0042	EA		3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	489.71	127.31
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	435.91	
			<i>For Type 316 Stainless Steel Frame, Add</i>	506.44	
			<i>For Baked Enamel Finish, Add</i>	108.72	
			<i>For 18 Gauge Frame, Deduct</i>	-23.51	
			<i>For 14 Gauge Frame, Add</i>	58.78	
			<i>For 12 Gauge Frame, Add</i>	89.34	
08 12 13 13-0043	EA		3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	501.84	133.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.27	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	436.52	
			<i>For Type 316 Stainless Steel Frame, Add</i>	507.05	
			<i>For Baked Enamel Finish, Add</i>	110.54	
			<i>For 18 Gauge Frame, Deduct</i>	-23.51	
			<i>For 14 Gauge Frame, Add</i>	58.78	
			<i>For 12 Gauge Frame, Add</i>	89.34	
08 12 13 13-0044	EA		4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	522.36	139.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.53	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	29.22	
			<i>For Type 304 Stainless Steel Frame, Add</i>	452.24	
			<i>For Type 316 Stainless Steel Frame, Add</i>	525.29	
			<i>For Baked Enamel Finish, Add</i>	114.88	
			<i>For 18 Gauge Frame, Deduct</i>	-24.35	
			<i>For 14 Gauge Frame, Add</i>	60.88	
			<i>For 12 Gauge Frame, Add</i>	92.53	
08 12 13 13-0045	EA		5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	542.89	145.49
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	30.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	467.97	
			<i>For Type 316 Stainless Steel Frame, Add</i>	543.54	
			<i>For Baked Enamel Finish, Add</i>	119.22	
			<i>For 18 Gauge Frame, Deduct</i>	-25.19	
			<i>For 14 Gauge Frame, Add</i>	62.98	
			<i>For 12 Gauge Frame, Add</i>	95.72	
08 12 13 13-0046	EA		5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	555.01	151.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	30.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	468.58	
			<i>For Type 316 Stainless Steel Frame, Add</i>	544.15	
			<i>For Baked Enamel Finish, Add</i>	121.04	
			<i>For 18 Gauge Frame, Deduct</i>	-25.19	
			<i>For 14 Gauge Frame, Add</i>	62.98	
			<i>For 12 Gauge Frame, Add</i>	95.72	
08 12 13 13-0047	EA		5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	565.26	154.59
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	38.41	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	30.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	476.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	553.25	
			<i>For Baked Enamel Finish, Add</i>	123.20	
			<i>For 18 Gauge Frame, Deduct</i>	-25.61	
			<i>For 14 Gauge Frame, Add</i>	64.02	
			<i>For 12 Gauge Frame, Add</i>	97.31	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0048	EA		6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	575.53	157.62
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.04	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	31.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	484.28	
			<i>For Type 316 Stainless Steel Frame, Add</i>	562.37	
			<i>For Baked Enamel Finish, Add</i>	125.37	
			<i>For 18 Gauge Frame, Deduct</i>	-26.03	
			<i>For 14 Gauge Frame, Add</i>	65.07	
			<i>For 12 Gauge Frame, Add</i>	98.91	
08 12 13 13-0049	EA		7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	598.39	160.65
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.56	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	33.25	
			<i>For Type 304 Stainless Steel Frame, Add</i>	514.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	597.95	
			<i>For Baked Enamel Finish, Add</i>	131.32	
			<i>For 18 Gauge Frame, Deduct</i>	-27.71	
			<i>For 14 Gauge Frame, Add</i>	69.27	
			<i>For 12 Gauge Frame, Add</i>	105.29	
08 12 13 13-0050	EA		8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	621.24	163.68
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.08	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	35.27	
			<i>For Type 304 Stainless Steel Frame, Add</i>	545.35	
			<i>For Type 316 Stainless Steel Frame, Add</i>	633.52	
			<i>For Baked Enamel Finish, Add</i>	137.27	
			<i>For 18 Gauge Frame, Deduct</i>	-29.39	
			<i>For 14 Gauge Frame, Add</i>	73.47	
			<i>For 12 Gauge Frame, Add</i>	111.67	
08 12 13 13-0051			>7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0034)</small>		
08 12 13 13-0052	EA		2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	377.78	90.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.39	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	23.51	
			<i>For Type 304 Stainless Steel Frame, Add</i>	361.75	
			<i>For Type 316 Stainless Steel Frame, Add</i>	420.53	
			<i>For Baked Enamel Finish, Add</i>	86.06	
			<i>For 18 Gauge Frame, Deduct</i>	-19.59	
			<i>For 14 Gauge Frame, Add</i>	48.98	
			<i>For 12 Gauge Frame, Add</i>	74.45	
08 12 13 13-0053	EA		2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	433.30	100.02
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.99	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	27.99	
			<i>For Type 304 Stainless Steel Frame, Add</i>	429.84	
			<i>For Type 316 Stainless Steel Frame, Add</i>	499.81	
			<i>For Baked Enamel Finish, Add</i>	99.98	
			<i>For 18 Gauge Frame, Deduct</i>	-23.32	
			<i>For 14 Gauge Frame, Add</i>	58.31	
			<i>For 12 Gauge Frame, Add</i>	88.63	
08 12 13 13-0054	EA		2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	449.15	106.09
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.55	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	437.16	
			<i>For Type 316 Stainless Steel Frame, Add</i>	508.25	
			<i>For Baked Enamel Finish, Add</i>	102.92	
			<i>For 18 Gauge Frame, Deduct</i>	-23.70	
			<i>For 14 Gauge Frame, Add</i>	59.24	
			<i>For 12 Gauge Frame, Add</i>	90.05	
08 12 13 13-0055	EA		2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	467.33	115.18
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.55	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	438.06	
			<i>For Type 316 Stainless Steel Frame, Add</i>	509.16	
			<i>For Baked Enamel Finish, Add</i>	105.65	
			<i>For 18 Gauge Frame, Deduct</i>	-23.70	
			<i>For 14 Gauge Frame, Add</i>	59.24	
			<i>For 12 Gauge Frame, Add</i>	90.05	
08 12 13 13-0056	EA		2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	477.13	118.21
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.11	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	28.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	445.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	517.29	
			<i>For Baked Enamel Finish, Add</i>	107.67	
			<i>For 18 Gauge Frame, Deduct</i>	-24.07	
			<i>For 14 Gauge Frame, Add</i>	60.18	
			<i>For 12 Gauge Frame, Add</i>	91.47	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	486.92	121.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.66	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	29.33	
			<i>For Type 304 Stainless Steel Frame, Add</i>	452.10	
			<i>For Type 316 Stainless Steel Frame, Add</i>	525.43	
			<i>For Baked Enamel Finish, Add</i>	109.70	
			<i>For 18 Gauge Frame, Deduct</i>	-24.44	
			<i>For 14 Gauge Frame, Add</i>	61.11	
			<i>For 12 Gauge Frame, Add</i>	92.88	
08 12 13	13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	515.84	127.31
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.18	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	31.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	482.94	
			<i>For Type 316 Stainless Steel Frame, Add</i>	561.31	
			<i>For Baked Enamel Finish, Add</i>	116.56	
			<i>For 18 Gauge Frame, Deduct</i>	-26.12	
			<i>For 14 Gauge Frame, Add</i>	65.31	
			<i>For 12 Gauge Frame, Add</i>	99.27	
08 12 13	13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	527.97	133.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.18	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	31.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	483.55	
			<i>For Type 316 Stainless Steel Frame, Add</i>	561.92	
			<i>For Baked Enamel Finish, Add</i>	118.38	
			<i>For 18 Gauge Frame, Deduct</i>	-26.12	
			<i>For 14 Gauge Frame, Add</i>	65.31	
			<i>For 12 Gauge Frame, Add</i>	99.27	
08 12 13	13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	549.42	139.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.58	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	32.47	
			<i>For Type 304 Stainless Steel Frame, Add</i>	500.95	
			<i>For Type 316 Stainless Steel Frame, Add</i>	582.12	
			<i>For Baked Enamel Finish, Add</i>	123.00	
			<i>For 18 Gauge Frame, Deduct</i>	-27.06	
			<i>For 14 Gauge Frame, Add</i>	67.64	
			<i>For 12 Gauge Frame, Add</i>	102.81	
08 12 13	13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	570.87	145.49
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.98	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	33.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	518.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	602.30	
			<i>For Baked Enamel Finish, Add</i>	127.61	
			<i>For 18 Gauge Frame, Deduct</i>	-27.99	
			<i>For 14 Gauge Frame, Add</i>	69.97	
			<i>For 12 Gauge Frame, Add</i>	106.35	
08 12 13	13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	582.99	151.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.98	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	33.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	518.94	
			<i>For Type 316 Stainless Steel Frame, Add</i>	602.90	
			<i>For Baked Enamel Finish, Add</i>	129.43	
			<i>For 18 Gauge Frame, Deduct</i>	-27.99	
			<i>For 14 Gauge Frame, Add</i>	69.97	
			<i>For 12 Gauge Frame, Add</i>	106.35	
08 12 13	13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	593.72	154.59
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.68	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	34.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	527.65	
			<i>For Type 316 Stainless Steel Frame, Add</i>	613.01	
			<i>For Baked Enamel Finish, Add</i>	131.74	
			<i>For 18 Gauge Frame, Deduct</i>	-28.46	
			<i>For 14 Gauge Frame, Add</i>	71.14	
			<i>For 12 Gauge Frame, Add</i>	108.13	
08 12 13	13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	604.45	157.62
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.38	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	34.71	
			<i>For Type 304 Stainless Steel Frame, Add</i>	536.34	
			<i>For Type 316 Stainless Steel Frame, Add</i>	623.10	
			<i>For Baked Enamel Finish, Add</i>	134.05	
			<i>For 18 Gauge Frame, Deduct</i>	-28.92	
			<i>For 14 Gauge Frame, Add</i>	72.30	
			<i>For 12 Gauge Frame, Add</i>	109.90	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	629.17	160.65
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	46.18	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	36.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	570.23	
			<i>For Type 316 Stainless Steel Frame, Add</i>	662.59	
			<i>For Baked Enamel Finish, Add</i>	140.56	
			<i>For 18 Gauge Frame, Deduct</i>	-30.79	
			<i>For 14 Gauge Frame, Add</i>	76.97	
			<i>For 12 Gauge Frame, Add</i>	116.99	
08 12 13	13-0066	EA	8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	653.89	163.68
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	48.98	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	39.18	
			<i>For Type 304 Stainless Steel Frame, Add</i>	604.12	
			<i>For Type 316 Stainless Steel Frame, Add</i>	702.08	
			<i>For Baked Enamel Finish, Add</i>	147.06	
			<i>For 18 Gauge Frame, Deduct</i>	-32.65	
			<i>For 14 Gauge Frame, Add</i>	81.63	
			<i>For 12 Gauge Frame, Add</i>	124.08	
08 12 13	13-0067		6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
			Note: For non-rated or fire rated frame assemblies		
08 12 13	13-0068		6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0067)</small>		
08 12 13	13-0069	EA	2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	461.01	90.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.87	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	33.50	
			<i>For Type 304 Stainless Steel Frame, Add</i>	511.56	
			<i>For Type 316 Stainless Steel Frame, Add</i>	595.31	
			<i>For Baked Enamel Finish, Add</i>	111.02	
			<i>For 18 Gauge Frame, Deduct</i>	-27.92	
			<i>For 14 Gauge Frame, Add</i>	69.79	
			<i>For 12 Gauge Frame, Add</i>	106.08	
08 12 13	13-0070	EA	2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	532.38	100.02
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	49.85	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	39.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	608.18	
			<i>For Type 316 Stainless Steel Frame, Add</i>	707.88	
			<i>For Baked Enamel Finish, Add</i>	129.71	
			<i>For 18 Gauge Frame, Deduct</i>	-33.23	
			<i>For 14 Gauge Frame, Add</i>	83.08	
			<i>For 12 Gauge Frame, Add</i>	126.28	
08 12 13	13-0071	EA	2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	549.81	106.09
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	50.64	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	40.52	
			<i>For Type 304 Stainless Steel Frame, Add</i>	618.34	
			<i>For Type 316 Stainless Steel Frame, Add</i>	719.63	
			<i>For Baked Enamel Finish, Add</i>	133.12	
			<i>For 18 Gauge Frame, Deduct</i>	-33.76	
			<i>For 14 Gauge Frame, Add</i>	84.41	
			<i>For 12 Gauge Frame, Add</i>	128.30	
08 12 13	13-0072	EA	2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	567.99	115.18
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	50.64	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	40.52	
			<i>For Type 304 Stainless Steel Frame, Add</i>	619.25	
			<i>For Type 316 Stainless Steel Frame, Add</i>	720.54	
			<i>For Baked Enamel Finish, Add</i>	135.84	
			<i>For 18 Gauge Frame, Deduct</i>	-33.76	
			<i>For 14 Gauge Frame, Add</i>	84.41	
			<i>For 12 Gauge Frame, Add</i>	128.30	
08 12 13	13-0073	EA	2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	579.38	118.21
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	51.44	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	41.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	629.13	
			<i>For Type 316 Stainless Steel Frame, Add</i>	732.02	
			<i>For Baked Enamel Finish, Add</i>	138.35	
			<i>For 18 Gauge Frame, Deduct</i>	-34.30	
			<i>For 14 Gauge Frame, Add</i>	85.74	
			<i>For 12 Gauge Frame, Add</i>	130.32	
08 12 13	13-0074	EA	3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	590.76	121.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	52.24	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	41.79	
			<i>For Type 304 Stainless Steel Frame, Add</i>	639.01	
			<i>For Type 316 Stainless Steel Frame, Add</i>	743.49	
			<i>For Baked Enamel Finish, Add</i>	140.85	
			<i>For 18 Gauge Frame, Deduct</i>	-34.83	
			<i>For 14 Gauge Frame, Add</i>	87.07	
			<i>For 12 Gauge Frame, Add</i>	132.34	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0075	EA		3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	626.80	127.31
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	55.83	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	44.66	
			<i>For Type 304 Stainless Steel Frame, Add</i>	682.67	
			<i>For Type 316 Stainless Steel Frame, Add</i>	794.33	
			<i>For Baked Enamel Finish, Add</i>	149.85	
			<i>For 18 Gauge Frame, Deduct</i>	-37.22	
			<i>For 14 Gauge Frame, Add</i>	93.05	
			<i>For 12 Gauge Frame, Add</i>	141.43	
08 12 13 13-0076	EA		3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	638.93	133.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	55.83	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	44.66	
			<i>For Type 304 Stainless Steel Frame, Add</i>	683.28	
			<i>For Type 316 Stainless Steel Frame, Add</i>	794.94	
			<i>For Baked Enamel Finish, Add</i>	151.67	
			<i>For 18 Gauge Frame, Deduct</i>	-37.22	
			<i>For 14 Gauge Frame, Add</i>	93.05	
			<i>For 12 Gauge Frame, Add</i>	141.43	
08 12 13 13-0077	EA		4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	664.35	139.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	57.82	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	46.26	
			<i>For Type 304 Stainless Steel Frame, Add</i>	707.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	823.47	
			<i>For Baked Enamel Finish, Add</i>	157.48	
			<i>For 18 Gauge Frame, Deduct</i>	-38.55	
			<i>For 14 Gauge Frame, Add</i>	96.37	
			<i>For 12 Gauge Frame, Add</i>	146.49	
08 12 13 13-0078	EA		5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	689.77	145.49
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.82	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	47.85	
			<i>For Type 304 Stainless Steel Frame, Add</i>	732.35	
			<i>For Type 316 Stainless Steel Frame, Add</i>	851.99	
			<i>For Baked Enamel Finish, Add</i>	163.28	
			<i>For 18 Gauge Frame, Deduct</i>	-39.88	
			<i>For 14 Gauge Frame, Add</i>	99.70	
			<i>For 12 Gauge Frame, Add</i>	151.54	
08 12 13 13-0079	EA		5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	701.89	151.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.82	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	47.85	
			<i>For Type 304 Stainless Steel Frame, Add</i>	732.96	
			<i>For Type 316 Stainless Steel Frame, Add</i>	852.59	
			<i>For Baked Enamel Finish, Add</i>	165.10	
			<i>For 18 Gauge Frame, Deduct</i>	-39.88	
			<i>For 14 Gauge Frame, Add</i>	99.70	
			<i>For 12 Gauge Frame, Add</i>	151.54	
08 12 13 13-0080	EA		5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	714.60	154.59
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.81	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	48.65	
			<i>For Type 304 Stainless Steel Frame, Add</i>	745.23	
			<i>For Type 316 Stainless Steel Frame, Add</i>	866.86	
			<i>For Baked Enamel Finish, Add</i>	168.00	
			<i>For 18 Gauge Frame, Deduct</i>	-40.54	
			<i>For 14 Gauge Frame, Add</i>	101.36	
			<i>For 12 Gauge Frame, Add</i>	154.06	
08 12 13 13-0081	EA		6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	727.31	157.62
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	61.81	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	49.45	
			<i>For Type 304 Stainless Steel Frame, Add</i>	757.49	
			<i>For Type 316 Stainless Steel Frame, Add</i>	881.11	
			<i>For Baked Enamel Finish, Add</i>	170.91	
			<i>For 18 Gauge Frame, Deduct</i>	-41.21	
			<i>For 14 Gauge Frame, Add</i>	103.02	
			<i>For 12 Gauge Frame, Add</i>	156.59	
08 12 13 13-0082	EA		7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	759.95	160.65
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.80	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	52.64	
			<i>For Type 304 Stainless Steel Frame, Add</i>	805.64	
			<i>For Type 316 Stainless Steel Frame, Add</i>	937.23	
			<i>For Baked Enamel Finish, Add</i>	179.79	
			<i>For 18 Gauge Frame, Deduct</i>	-43.87	
			<i>For 14 Gauge Frame, Add</i>	109.66	
			<i>For 12 Gauge Frame, Add</i>	166.69	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0083 EA 8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	792.60	163.68
For Auxiliary Frame Reinforcement For Hinges, Add	69.79	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	55.83	
For Type 304 Stainless Steel Frame, Add	853.80	
For Type 316 Stainless Steel Frame, Add	993.37	
For Baked Enamel Finish, Add	188.68	
For 18 Gauge Frame, Deduct	-46.52	
For 14 Gauge Frame, Add	116.31	
For 12 Gauge Frame, Add	176.79	
08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)		
08 12 13 13-0085 EA 2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	492.02	90.94
For Auxiliary Frame Reinforcement For Hinges, Add	46.52	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	37.22	
For Type 304 Stainless Steel Frame, Add	567.38	
For Type 316 Stainless Steel Frame, Add	660.43	
For Baked Enamel Finish, Add	120.33	
For 18 Gauge Frame, Deduct	-31.02	
For 14 Gauge Frame, Add	77.54	
For 12 Gauge Frame, Add	117.86	
08 12 13 13-0086 EA 2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	569.30	100.02
For Auxiliary Frame Reinforcement For Hinges, Add	55.39	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	44.31	
For Type 304 Stainless Steel Frame, Add	674.64	
For Type 316 Stainless Steel Frame, Add	785.41	
For Baked Enamel Finish, Add	140.78	
For 18 Gauge Frame, Deduct	-36.92	
For 14 Gauge Frame, Add	92.31	
For 12 Gauge Frame, Add	140.31	
08 12 13 13-0087 EA 2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	587.33	106.09
For Auxiliary Frame Reinforcement For Hinges, Add	56.27	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	45.02	
For Type 304 Stainless Steel Frame, Add	685.88	
For Type 316 Stainless Steel Frame, Add	798.42	
For Baked Enamel Finish, Add	144.37	
For 18 Gauge Frame, Deduct	-37.52	
For 14 Gauge Frame, Add	93.79	
For 12 Gauge Frame, Add	142.56	
08 12 13 13-0088 EA 2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	605.51	115.18
For Auxiliary Frame Reinforcement For Hinges, Add	56.27	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	45.02	
For Type 304 Stainless Steel Frame, Add	686.79	
For Type 316 Stainless Steel Frame, Add	799.33	
For Baked Enamel Finish, Add	147.10	
For 18 Gauge Frame, Deduct	-37.52	
For 14 Gauge Frame, Add	93.79	
For 12 Gauge Frame, Add	142.56	
08 12 13 13-0089 EA 2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	617.49	118.21
For Auxiliary Frame Reinforcement For Hinges, Add	57.16	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	45.73	
For Type 304 Stainless Steel Frame, Add	697.73	
For Type 316 Stainless Steel Frame, Add	812.05	
For Baked Enamel Finish, Add	149.78	
For 18 Gauge Frame, Deduct	-38.11	
For 14 Gauge Frame, Add	95.27	
For 12 Gauge Frame, Add	144.80	
08 12 13 13-0090 EA 3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	629.45	121.25
For Auxiliary Frame Reinforcement For Hinges, Add	58.04	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	46.44	
For Type 304 Stainless Steel Frame, Add	708.65	
For Type 316 Stainless Steel Frame, Add	824.74	
For Baked Enamel Finish, Add	152.46	
For 18 Gauge Frame, Deduct	-38.70	
For 14 Gauge Frame, Add	96.74	
For 12 Gauge Frame, Add	147.04	
08 12 13 13-0091 EA 3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	668.16	127.31
For Auxiliary Frame Reinforcement For Hinges, Add	62.03	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	49.63	
For Type 304 Stainless Steel Frame, Add	757.12	
For Type 316 Stainless Steel Frame, Add	881.19	
For Baked Enamel Finish, Add	162.26	
For 18 Gauge Frame, Deduct	-41.36	
For 14 Gauge Frame, Add	103.39	
For 12 Gauge Frame, Add	157.15	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0092	EA		3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	680.29	133.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.03	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	49.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	757.73	
			<i>For Type 316 Stainless Steel Frame, Add</i>	881.79	
			<i>For Baked Enamel Finish, Add</i>	164.08	
			<i>For 18 Gauge Frame, Deduct</i>	-41.36	
			<i>For 14 Gauge Frame, Add</i>	103.39	
			<i>For 12 Gauge Frame, Add</i>	157.15	
08 12 13 13-0093	EA		4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	707.18	139.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	64.25	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	51.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	784.92	
			<i>For Type 316 Stainless Steel Frame, Add</i>	913.42	
			<i>For Baked Enamel Finish, Add</i>	170.33	
			<i>For 18 Gauge Frame, Deduct</i>	-42.83	
			<i>For 14 Gauge Frame, Add</i>	107.08	
			<i>For 12 Gauge Frame, Add</i>	162.76	
08 12 13 13-0094	EA		5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	734.08	145.49
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.46	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.17	
			<i>For Type 304 Stainless Steel Frame, Add</i>	812.11	
			<i>For Type 316 Stainless Steel Frame, Add</i>	945.04	
			<i>For Baked Enamel Finish, Add</i>	176.58	
			<i>For 18 Gauge Frame, Deduct</i>	-44.31	
			<i>For 14 Gauge Frame, Add</i>	110.77	
			<i>For 12 Gauge Frame, Add</i>	168.37	
08 12 13 13-0095	EA		5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	746.20	151.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.46	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.17	
			<i>For Type 304 Stainless Steel Frame, Add</i>	812.72	
			<i>For Type 316 Stainless Steel Frame, Add</i>	945.64	
			<i>For Baked Enamel Finish, Add</i>	178.39	
			<i>For 18 Gauge Frame, Deduct</i>	-44.31	
			<i>For 14 Gauge Frame, Add</i>	110.77	
			<i>For 12 Gauge Frame, Add</i>	168.37	
08 12 13 13-0096	EA		5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	759.64	154.59
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	67.57	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	54.06	
			<i>For Type 304 Stainless Steel Frame, Add</i>	826.30	
			<i>For Type 316 Stainless Steel Frame, Add</i>	961.45	
			<i>For Baked Enamel Finish, Add</i>	181.52	
			<i>For 18 Gauge Frame, Deduct</i>	-45.05	
			<i>For 14 Gauge Frame, Add</i>	112.62	
			<i>For 12 Gauge Frame, Add</i>	171.18	
08 12 13 13-0097	EA		6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	773.10	157.62
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	68.68	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	54.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	839.91	
			<i>For Type 316 Stainless Steel Frame, Add</i>	977.27	
			<i>For Baked Enamel Finish, Add</i>	184.64	
			<i>For 18 Gauge Frame, Deduct</i>	-45.79	
			<i>For 14 Gauge Frame, Add</i>	114.47	
			<i>For 12 Gauge Frame, Add</i>	173.99	
08 12 13 13-0098	EA		7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	808.69	160.65
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	73.11	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	58.49	
			<i>For Type 304 Stainless Steel Frame, Add</i>	893.37	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,039.58	
			<i>For Baked Enamel Finish, Add</i>	194.41	
			<i>For 18 Gauge Frame, Deduct</i>	-48.74	
			<i>For 14 Gauge Frame, Add</i>	121.85	
			<i>For 12 Gauge Frame, Add</i>	185.21	
08 12 13 13-0099	EA		8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	844.30	163.68
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	77.54	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	62.03	
			<i>For Type 304 Stainless Steel Frame, Add</i>	946.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,101.94	
			<i>For Baked Enamel Finish, Add</i>	204.19	
			<i>For 18 Gauge Frame, Deduct</i>	-51.69	
			<i>For 14 Gauge Frame, Add</i>	129.24	
			<i>For 12 Gauge Frame, Add</i>	196.44	

08 12 13 13-0100 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door
Frames (08 12 13 13)

Note: For non-rated or fire rated frame assemblies



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0101 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0100)</small>		
08 12 13 13-0102 EA 2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	481.94	90.94
For Auxiliary Frame Reinforcement For Hinges, Add	45.01	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	36.01	
For Type 304 Stainless Steel Frame, Add	549.24	
For Type 316 Stainless Steel Frame, Add	639.26	
For Baked Enamel Finish, Add	117.30	
For 18 Gauge Frame, Deduct	-30.01	
For 14 Gauge Frame, Add	75.02	
For 12 Gauge Frame, Add	114.03	
08 12 13 13-0103 EA 2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	557.30	100.02
For Auxiliary Frame Reinforcement For Hinges, Add	53.59	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	42.87	
For Type 304 Stainless Steel Frame, Add	653.04	
For Type 316 Stainless Steel Frame, Add	760.21	
For Baked Enamel Finish, Add	137.18	
For 18 Gauge Frame, Deduct	-35.72	
For 14 Gauge Frame, Add	89.31	
For 12 Gauge Frame, Add	135.75	
08 12 13 13-0104 EA 2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	575.14	106.09
For Auxiliary Frame Reinforcement For Hinges, Add	54.44	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	43.56	
For Type 304 Stainless Steel Frame, Add	663.94	
For Type 316 Stainless Steel Frame, Add	772.83	
For Baked Enamel Finish, Add	140.72	
For 18 Gauge Frame, Deduct	-36.30	
For 14 Gauge Frame, Add	90.74	
For 12 Gauge Frame, Add	137.92	
08 12 13 13-0105 EA 2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	593.32	115.18
For Auxiliary Frame Reinforcement For Hinges, Add	54.44	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	43.56	
For Type 304 Stainless Steel Frame, Add	664.85	
For Type 316 Stainless Steel Frame, Add	773.73	
For Baked Enamel Finish, Add	143.44	
For 18 Gauge Frame, Deduct	-36.30	
For 14 Gauge Frame, Add	90.74	
For 12 Gauge Frame, Add	137.92	
08 12 13 13-0106 EA 2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	605.10	118.21
For Auxiliary Frame Reinforcement For Hinges, Add	55.30	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	44.24	
For Type 304 Stainless Steel Frame, Add	675.43	
For Type 316 Stainless Steel Frame, Add	786.03	
For Baked Enamel Finish, Add	146.07	
For 18 Gauge Frame, Deduct	-36.87	
For 14 Gauge Frame, Add	92.17	
For 12 Gauge Frame, Add	140.09	
08 12 13 13-0107 EA 3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	616.88	121.25
For Auxiliary Frame Reinforcement For Hinges, Add	56.16	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	44.93	
For Type 304 Stainless Steel Frame, Add	686.03	
For Type 316 Stainless Steel Frame, Add	798.34	
For Baked Enamel Finish, Add	148.69	
For 18 Gauge Frame, Deduct	-37.44	
For 14 Gauge Frame, Add	93.60	
For 12 Gauge Frame, Add	142.27	
08 12 13 13-0108 EA 3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	654.72	127.31
For Auxiliary Frame Reinforcement For Hinges, Add	60.02	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	48.01	
For Type 304 Stainless Steel Frame, Add	732.93	
For Type 316 Stainless Steel Frame, Add	852.96	
For Baked Enamel Finish, Add	158.22	
For 18 Gauge Frame, Deduct	-40.01	
For 14 Gauge Frame, Add	100.03	
For 12 Gauge Frame, Add	152.04	
08 12 13 13-0109 EA 3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	666.85	133.37
For Auxiliary Frame Reinforcement For Hinges, Add	60.02	
For Welded Frames, Add	92.51	
For Galvanized Frames, Add	48.01	
For Type 304 Stainless Steel Frame, Add	733.54	
For Type 316 Stainless Steel Frame, Add	853.57	
For Baked Enamel Finish, Add	160.04	
For 18 Gauge Frame, Deduct	-40.01	
For 14 Gauge Frame, Add	100.03	
For 12 Gauge Frame, Add	152.04	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0110	EA		4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	693.26	139.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.16	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	49.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	759.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	884.18	
			<i>For Baked Enamel Finish, Add</i>	166.15	
			<i>For 18 Gauge Frame, Deduct</i>	-41.44	
			<i>For 14 Gauge Frame, Add</i>	103.60	
			<i>For 12 Gauge Frame, Add</i>	157.47	
08 12 13 13-0111	EA		5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	719.68	145.49
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	64.30	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	51.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	786.19	
			<i>For Type 316 Stainless Steel Frame, Add</i>	914.80	
			<i>For Baked Enamel Finish, Add</i>	172.26	
			<i>For 18 Gauge Frame, Deduct</i>	-42.87	
			<i>For 14 Gauge Frame, Add</i>	107.17	
			<i>For 12 Gauge Frame, Add</i>	162.90	
08 12 13 13-0112	EA		5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	731.80	151.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	64.30	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	51.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	786.80	
			<i>For Type 316 Stainless Steel Frame, Add</i>	915.40	
			<i>For Baked Enamel Finish, Add</i>	174.07	
			<i>For 18 Gauge Frame, Deduct</i>	-42.87	
			<i>For 14 Gauge Frame, Add</i>	107.17	
			<i>For 12 Gauge Frame, Add</i>	162.90	
08 12 13 13-0113	EA		5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	745.00	154.59
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.37	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	52.30	
			<i>For Type 304 Stainless Steel Frame, Add</i>	799.95	
			<i>For Type 316 Stainless Steel Frame, Add</i>	930.70	
			<i>For Baked Enamel Finish, Add</i>	177.12	
			<i>For 18 Gauge Frame, Deduct</i>	-43.58	
			<i>For 14 Gauge Frame, Add</i>	108.96	
			<i>For 12 Gauge Frame, Add</i>	165.62	
08 12 13 13-0114	EA		6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	758.22	157.62
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.45	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	813.13	
			<i>For Type 316 Stainless Steel Frame, Add</i>	946.02	
			<i>For Baked Enamel Finish, Add</i>	180.18	
			<i>For 18 Gauge Frame, Deduct</i>	-44.30	
			<i>For 14 Gauge Frame, Add</i>	110.75	
			<i>For 12 Gauge Frame, Add</i>	168.33	
08 12 13 13-0115	EA		7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	792.85	160.65
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	70.73	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	56.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	864.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,006.32	
			<i>For Baked Enamel Finish, Add</i>	189.66	
			<i>For 18 Gauge Frame, Deduct</i>	-47.16	
			<i>For 14 Gauge Frame, Add</i>	117.89	
			<i>For 12 Gauge Frame, Add</i>	179.19	
08 12 13 13-0116	EA		8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	827.50	163.68
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	75.02	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	60.02	
			<i>For Type 304 Stainless Steel Frame, Add</i>	916.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,066.66	
			<i>For Baked Enamel Finish, Add</i>	199.15	
			<i>For 18 Gauge Frame, Deduct</i>	-50.01	
			<i>For 14 Gauge Frame, Add</i>	125.04	
			<i>For 12 Gauge Frame, Add</i>	190.05	
08 12 13 13-0117			>7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0100)</small>		
08 12 13 13-0118	EA		2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	515.28	90.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	50.01	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	40.01	
			<i>For Type 304 Stainless Steel Frame, Add</i>	609.25	
			<i>For Type 316 Stainless Steel Frame, Add</i>	709.28	
			<i>For Baked Enamel Finish, Add</i>	127.31	
			<i>For 18 Gauge Frame, Deduct</i>	-33.34	
			<i>For 14 Gauge Frame, Add</i>	83.36	
			<i>For 12 Gauge Frame, Add</i>	126.70	



	Openings	08
	Doors and Frames	08 10
	Metal Frames	08 12

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	596.99	100.02
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.54	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	47.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	724.48	
			<i>For Type 316 Stainless Steel Frame, Add</i>	843.56	
			<i>For Baked Enamel Finish, Add</i>	149.09	
			<i>For 18 Gauge Frame, Deduct</i>	-39.69	
			<i>For 14 Gauge Frame, Add</i>	99.23	
			<i>For 12 Gauge Frame, Add</i>	150.83	
08 12 13	13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	615.46	106.09
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.49	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	48.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	736.51	
			<i>For Type 316 Stainless Steel Frame, Add</i>	857.50	
			<i>For Baked Enamel Finish, Add</i>	152.81	
			<i>For 18 Gauge Frame, Deduct</i>	-40.33	
			<i>For 14 Gauge Frame, Add</i>	100.82	
			<i>For 12 Gauge Frame, Add</i>	153.25	
08 12 13	13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	633.64	115.18
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.49	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	48.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	737.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	858.41	
			<i>For Baked Enamel Finish, Add</i>	155.54	
			<i>For 18 Gauge Frame, Deduct</i>	-40.33	
			<i>For 14 Gauge Frame, Add</i>	100.82	
			<i>For 12 Gauge Frame, Add</i>	153.25	
08 12 13	13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	646.07	118.21
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	61.45	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	49.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	749.17	
			<i>For Type 316 Stainless Steel Frame, Add</i>	872.07	
			<i>For Baked Enamel Finish, Add</i>	158.36	
			<i>For 18 Gauge Frame, Deduct</i>	-40.96	
			<i>For 14 Gauge Frame, Add</i>	102.41	
			<i>For 12 Gauge Frame, Add</i>	155.66	
08 12 13	13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	658.48	121.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.40	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	49.92	
			<i>For Type 304 Stainless Steel Frame, Add</i>	760.91	
			<i>For Type 316 Stainless Steel Frame, Add</i>	885.70	
			<i>For Baked Enamel Finish, Add</i>	161.17	
			<i>For 18 Gauge Frame, Deduct</i>	-41.60	
			<i>For 14 Gauge Frame, Add</i>	104.00	
			<i>For 12 Gauge Frame, Add</i>	158.08	
08 12 13	13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	699.18	127.31
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.69	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	812.96	
			<i>For Type 316 Stainless Steel Frame, Add</i>	946.33	
			<i>For Baked Enamel Finish, Add</i>	171.56	
			<i>For 18 Gauge Frame, Deduct</i>	-44.46	
			<i>For 14 Gauge Frame, Add</i>	111.14	
			<i>For 12 Gauge Frame, Add</i>	168.94	
08 12 13	13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	711.31	133.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.69	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	813.56	
			<i>For Type 316 Stainless Steel Frame, Add</i>	946.93	
			<i>For Baked Enamel Finish, Add</i>	173.38	
			<i>For 18 Gauge Frame, Deduct</i>	-44.46	
			<i>For 14 Gauge Frame, Add</i>	111.14	
			<i>For 12 Gauge Frame, Add</i>	168.94	
08 12 13	13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	739.30	139.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.07	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	55.25	
			<i>For Type 304 Stainless Steel Frame, Add</i>	842.74	
			<i>For Type 316 Stainless Steel Frame, Add</i>	980.87	
			<i>For Baked Enamel Finish, Add</i>	179.96	
			<i>For 18 Gauge Frame, Deduct</i>	-46.04	
			<i>For 14 Gauge Frame, Add</i>	115.11	
			<i>For 12 Gauge Frame, Add</i>	174.97	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0127	EA		5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	767.31	145.49
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	71.45	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	57.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	871.93	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,014.82	
			<i>For Baked Enamel Finish, Add</i>	186.54	
			<i>For 18 Gauge Frame, Deduct</i>	-47.63	
			<i>For 14 Gauge Frame, Add</i>	119.08	
			<i>For 12 Gauge Frame, Add</i>	181.00	
08 12 13 13-0128	EA		5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	779.43	151.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	71.45	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	57.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	872.53	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,015.43	
			<i>For Baked Enamel Finish, Add</i>	188.36	
			<i>For 18 Gauge Frame, Deduct</i>	-47.63	
			<i>For 14 Gauge Frame, Add</i>	119.08	
			<i>For 12 Gauge Frame, Add</i>	181.00	
08 12 13 13-0129	EA		5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	793.43	154.59
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	72.64	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	58.11	
			<i>For Type 304 Stainless Steel Frame, Add</i>	887.13	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,032.40	
			<i>For Baked Enamel Finish, Add</i>	191.65	
			<i>For 18 Gauge Frame, Deduct</i>	-48.43	
			<i>For 14 Gauge Frame, Add</i>	121.07	
			<i>For 12 Gauge Frame, Add</i>	184.02	
08 12 13 13-0130	EA		6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	807.44	157.62
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	73.83	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	59.06	
			<i>For Type 304 Stainless Steel Frame, Add</i>	901.72	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,049.38	
			<i>For Baked Enamel Finish, Add</i>	194.95	
			<i>For 18 Gauge Frame, Deduct</i>	-49.22	
			<i>For 14 Gauge Frame, Add</i>	123.05	
			<i>For 12 Gauge Frame, Add</i>	187.04	
08 12 13 13-0131	EA		7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	845.25	160.65
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	78.59	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	62.87	
			<i>For Type 304 Stainless Steel Frame, Add</i>	959.18	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,116.36	
			<i>For Baked Enamel Finish, Add</i>	205.38	
			<i>For 18 Gauge Frame, Deduct</i>	-52.40	
			<i>For 14 Gauge Frame, Add</i>	130.99	
			<i>For 12 Gauge Frame, Add</i>	199.10	
08 12 13 13-0132	EA		8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	883.07	163.68
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	83.36	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	66.69	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,016.65	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,183.36	
			<i>For Baked Enamel Finish, Add</i>	215.82	
			<i>For 18 Gauge Frame, Deduct</i>	-55.57	
			<i>For 14 Gauge Frame, Add</i>	138.93	
			<i>For 12 Gauge Frame, Add</i>	211.17	
08 12 13 13-0133			8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0134			6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13 13-0135	EA		2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	495.90	90.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	47.11	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	37.68	
			<i>For Type 304 Stainless Steel Frame, Add</i>	574.37	
			<i>For Type 316 Stainless Steel Frame, Add</i>	668.58	
			<i>For Baked Enamel Finish, Add</i>	121.49	
			<i>For 18 Gauge Frame, Deduct</i>	-31.40	
			<i>For 14 Gauge Frame, Add</i>	78.51	
			<i>For 12 Gauge Frame, Add</i>	119.34	



	Openings	08
	Doors and Frames	08 10
	Metal Frames	08 12

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	573.92	100.02
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	56.08	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	44.86	
			<i>For Type 304 Stainless Steel Frame, Add</i>	682.95	
			<i>For Type 316 Stainless Steel Frame, Add</i>	795.11	
			<i>For Baked Enamel Finish, Add</i>	142.17	
			<i>For 18 Gauge Frame, Deduct</i>	-37.39	
			<i>For 14 Gauge Frame, Add</i>	93.47	
			<i>For 12 Gauge Frame, Add</i>	142.07	
08 12 13	13-0137	EA	2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	592.02	106.09
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	56.98	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	45.58	
			<i>For Type 304 Stainless Steel Frame, Add</i>	694.32	
			<i>For Type 316 Stainless Steel Frame, Add</i>	808.27	
			<i>For Baked Enamel Finish, Add</i>	145.78	
			<i>For 18 Gauge Frame, Deduct</i>	-37.98	
			<i>For 14 Gauge Frame, Add</i>	94.96	
			<i>For 12 Gauge Frame, Add</i>	144.34	
08 12 13	13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	610.20	115.18
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	56.98	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	45.58	
			<i>For Type 304 Stainless Steel Frame, Add</i>	695.23	
			<i>For Type 316 Stainless Steel Frame, Add</i>	809.18	
			<i>For Baked Enamel Finish, Add</i>	148.51	
			<i>For 18 Gauge Frame, Deduct</i>	-37.98	
			<i>For 14 Gauge Frame, Add</i>	94.96	
			<i>For 12 Gauge Frame, Add</i>	144.34	
08 12 13	13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	622.25	118.21
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	57.87	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	46.30	
			<i>For Type 304 Stainless Steel Frame, Add</i>	706.30	
			<i>For Type 316 Stainless Steel Frame, Add</i>	822.04	
			<i>For Baked Enamel Finish, Add</i>	151.21	
			<i>For 18 Gauge Frame, Deduct</i>	-38.58	
			<i>For 14 Gauge Frame, Add</i>	96.46	
			<i>For 12 Gauge Frame, Add</i>	146.61	
08 12 13	13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	634.29	121.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	58.77	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	47.02	
			<i>For Type 304 Stainless Steel Frame, Add</i>	717.36	
			<i>For Type 316 Stainless Steel Frame, Add</i>	834.90	
			<i>For Baked Enamel Finish, Add</i>	153.91	
			<i>For 18 Gauge Frame, Deduct</i>	-39.18	
			<i>For 14 Gauge Frame, Add</i>	97.95	
			<i>For 12 Gauge Frame, Add</i>	148.88	
08 12 13	13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	673.33	127.31
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.81	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	50.25	
			<i>For Type 304 Stainless Steel Frame, Add</i>	766.43	
			<i>For Type 316 Stainless Steel Frame, Add</i>	892.04	
			<i>For Baked Enamel Finish, Add</i>	163.81	
			<i>For 18 Gauge Frame, Deduct</i>	-41.87	
			<i>For 14 Gauge Frame, Add</i>	104.68	
			<i>For 12 Gauge Frame, Add</i>	159.11	
08 12 13	13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	685.46	133.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.81	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	50.25	
			<i>For Type 304 Stainless Steel Frame, Add</i>	767.03	
			<i>For Type 316 Stainless Steel Frame, Add</i>	892.65	
			<i>For Baked Enamel Finish, Add</i>	165.63	
			<i>For 18 Gauge Frame, Deduct</i>	-41.87	
			<i>For 14 Gauge Frame, Add</i>	104.68	
			<i>For 12 Gauge Frame, Add</i>	159.11	
08 12 13	13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	712.53	139.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.05	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	52.04	
			<i>For Type 304 Stainless Steel Frame, Add</i>	794.55	
			<i>For Type 316 Stainless Steel Frame, Add</i>	924.65	
			<i>For Baked Enamel Finish, Add</i>	171.93	
			<i>For 18 Gauge Frame, Deduct</i>	-43.37	
			<i>For 14 Gauge Frame, Add</i>	108.42	
			<i>For 12 Gauge Frame, Add</i>	164.79	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0144	EA		5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	739.62	145.49
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	67.29	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.84	
			<i>For Type 304 Stainless Steel Frame, Add</i>	822.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	956.67	
			<i>For Baked Enamel Finish, Add</i>	178.24	
			<i>For 18 Gauge Frame, Deduct</i>	-44.86	
			<i>For 14 Gauge Frame, Add</i>	112.16	
			<i>For 12 Gauge Frame, Add</i>	170.48	
08 12 13 13-0145	EA		5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	751.74	151.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	67.29	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	53.84	
			<i>For Type 304 Stainless Steel Frame, Add</i>	822.69	
			<i>For Type 316 Stainless Steel Frame, Add</i>	957.28	
			<i>For Baked Enamel Finish, Add</i>	180.06	
			<i>For 18 Gauge Frame, Deduct</i>	-44.86	
			<i>For 14 Gauge Frame, Add</i>	112.16	
			<i>For 12 Gauge Frame, Add</i>	170.48	
08 12 13 13-0146	EA		5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	765.27	154.59
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	68.42	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	54.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	836.44	
			<i>For Type 316 Stainless Steel Frame, Add</i>	973.27	
			<i>For Baked Enamel Finish, Add</i>	183.21	
			<i>For 18 Gauge Frame, Deduct</i>	-45.61	
			<i>For 14 Gauge Frame, Add</i>	114.03	
			<i>For 12 Gauge Frame, Add</i>	173.32	
08 12 13 13-0147	EA		6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	778.82	157.62
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.54	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	55.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	850.21	
			<i>For Type 316 Stainless Steel Frame, Add</i>	989.28	
			<i>For Baked Enamel Finish, Add</i>	186.36	
			<i>For 18 Gauge Frame, Deduct</i>	-46.36	
			<i>For 14 Gauge Frame, Add</i>	115.90	
			<i>For 12 Gauge Frame, Add</i>	176.16	
08 12 13 13-0148	EA		7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	814.79	160.65
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	74.02	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	59.22	
			<i>For Type 304 Stainless Steel Frame, Add</i>	904.35	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,052.39	
			<i>For Baked Enamel Finish, Add</i>	196.24	
			<i>For 18 Gauge Frame, Deduct</i>	-49.35	
			<i>For 14 Gauge Frame, Add</i>	123.37	
			<i>For 12 Gauge Frame, Add</i>	187.53	
08 12 13 13-0149	EA		8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	850.76	163.68
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	78.51	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	62.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	958.49	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,115.51	
			<i>For Baked Enamel Finish, Add</i>	206.12	
			<i>For 18 Gauge Frame, Deduct</i>	-52.34	
			<i>For 14 Gauge Frame, Add</i>	130.85	
			<i>For 12 Gauge Frame, Add</i>	198.89	
08 12 13 13-0150			>7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13 13-0151	EA		2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	530.79	90.94
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	52.34	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	41.87	
			<i>For Type 304 Stainless Steel Frame, Add</i>	637.17	
			<i>For Type 316 Stainless Steel Frame, Add</i>	741.85	
			<i>For Baked Enamel Finish, Add</i>	131.96	
			<i>For 18 Gauge Frame, Deduct</i>	-34.89	
			<i>For 14 Gauge Frame, Add</i>	87.23	
			<i>For 12 Gauge Frame, Add</i>	132.59	
08 12 13 13-0152	EA		2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	615.46	100.02
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.31	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	49.85	
			<i>For Type 304 Stainless Steel Frame, Add</i>	757.72	
			<i>For Type 316 Stainless Steel Frame, Add</i>	882.34	
			<i>For Baked Enamel Finish, Add</i>	154.63	
			<i>For 18 Gauge Frame, Deduct</i>	-41.54	
			<i>For 14 Gauge Frame, Add</i>	103.85	
			<i>For 12 Gauge Frame, Add</i>	157.85	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	634.22	106.09
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	63.31	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	50.64	
			<i>For Type 304 Stainless Steel Frame, Add</i>	770.28	
			<i>For Type 316 Stainless Steel Frame, Add</i>	896.89	
			<i>For Baked Enamel Finish, Add</i>	158.44	
			<i>For 18 Gauge Frame, Deduct</i>	-42.20	
			<i>For 14 Gauge Frame, Add</i>	105.51	
			<i>For 12 Gauge Frame, Add</i>	160.38	
08 12 13	13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	652.40	115.18
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	63.31	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	50.64	
			<i>For Type 304 Stainless Steel Frame, Add</i>	771.19	
			<i>For Type 316 Stainless Steel Frame, Add</i>	897.80	
			<i>For Baked Enamel Finish, Add</i>	161.17	
			<i>For 18 Gauge Frame, Deduct</i>	-42.20	
			<i>For 14 Gauge Frame, Add</i>	105.51	
			<i>For 12 Gauge Frame, Add</i>	160.38	
08 12 13	13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	665.12	118.21
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	64.30	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	51.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	783.46	
			<i>For Type 316 Stainless Steel Frame, Add</i>	912.07	
			<i>For Baked Enamel Finish, Add</i>	164.07	
			<i>For 18 Gauge Frame, Deduct</i>	-42.87	
			<i>For 14 Gauge Frame, Add</i>	107.17	
			<i>For 12 Gauge Frame, Add</i>	162.90	
08 12 13	13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	677.82	121.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.30	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	52.24	
			<i>For Type 304 Stainless Steel Frame, Add</i>	795.72	
			<i>For Type 316 Stainless Steel Frame, Add</i>	926.32	
			<i>For Baked Enamel Finish, Add</i>	166.97	
			<i>For 18 Gauge Frame, Deduct</i>	-43.53	
			<i>For 14 Gauge Frame, Add</i>	108.83	
			<i>For 12 Gauge Frame, Add</i>	165.43	
08 12 13	13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	719.85	127.31
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	55.83	
			<i>For Type 304 Stainless Steel Frame, Add</i>	850.16	
			<i>For Type 316 Stainless Steel Frame, Add</i>	989.73	
			<i>For Baked Enamel Finish, Add</i>	177.76	
			<i>For 18 Gauge Frame, Deduct</i>	-46.52	
			<i>For 14 Gauge Frame, Add</i>	116.31	
			<i>For 12 Gauge Frame, Add</i>	176.79	
08 12 13	13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	731.98	133.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.79	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	55.83	
			<i>For Type 304 Stainless Steel Frame, Add</i>	850.77	
			<i>For Type 316 Stainless Steel Frame, Add</i>	990.34	
			<i>For Baked Enamel Finish, Add</i>	179.58	
			<i>For 18 Gauge Frame, Deduct</i>	-46.52	
			<i>For 14 Gauge Frame, Add</i>	116.31	
			<i>For 12 Gauge Frame, Add</i>	176.79	
08 12 13	13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	760.72	139.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	72.28	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	57.82	
			<i>For Type 304 Stainless Steel Frame, Add</i>	881.29	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,025.85	
			<i>For Baked Enamel Finish, Add</i>	186.39	
			<i>For 18 Gauge Frame, Deduct</i>	-48.19	
			<i>For 14 Gauge Frame, Add</i>	120.47	
			<i>For 12 Gauge Frame, Add</i>	183.11	
08 12 13	13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	789.46	145.49
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	74.77	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	59.82	
			<i>For Type 304 Stainless Steel Frame, Add</i>	911.80	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,061.34	
			<i>For Baked Enamel Finish, Add</i>	193.19	
			<i>For 18 Gauge Frame, Deduct</i>	-49.85	
			<i>For 14 Gauge Frame, Add</i>	124.62	
			<i>For 12 Gauge Frame, Add</i>	189.42	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0161	EA		5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	801.58	151.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	74.77	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	59.82	
			<i>For Type 304 Stainless Steel Frame, Add</i>	912.40	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,061.94	
			<i>For Baked Enamel Finish, Add</i>	195.01	
			<i>For 18 Gauge Frame, Deduct</i>	-49.85	
			<i>For 14 Gauge Frame, Add</i>	124.62	
			<i>For 12 Gauge Frame, Add</i>	189.42	
08 12 13 13-0162	EA		5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	815.95	154.59
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	76.02	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	60.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	927.66	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,079.70	
			<i>For Baked Enamel Finish, Add</i>	198.41	
			<i>For 18 Gauge Frame, Deduct</i>	-50.68	
			<i>For 14 Gauge Frame, Add</i>	126.70	
			<i>For 12 Gauge Frame, Add</i>	192.58	
08 12 13 13-0163	EA		6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	830.33	157.62
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	77.26	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	61.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	942.92	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,097.45	
			<i>For Baked Enamel Finish, Add</i>	201.81	
			<i>For 18 Gauge Frame, Deduct</i>	-51.51	
			<i>For 14 Gauge Frame, Add</i>	128.77	
			<i>For 12 Gauge Frame, Add</i>	195.73	
08 12 13 13-0164	EA		7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	869.62	160.65
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	82.25	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	65.80	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,003.04	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,167.54	
			<i>For Baked Enamel Finish, Add</i>	212.69	
			<i>For 18 Gauge Frame, Deduct</i>	-54.83	
			<i>For 14 Gauge Frame, Add</i>	137.08	
			<i>For 12 Gauge Frame, Add</i>	208.36	
08 12 13 13-0165	EA		8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	908.91	163.68
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	87.23	
			<i>For Welded Frames, Add</i>	92.51	
			<i>For Galvanized Frames, Add</i>	69.79	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,063.16	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,237.62	
			<i>For Baked Enamel Finish, Add</i>	223.57	
			<i>For 18 Gauge Frame, Deduct</i>	-58.16	
			<i>For 14 Gauge Frame, Add</i>	145.39	
			<i>For 12 Gauge Frame, Add</i>	220.99	
08 12 13 13-0166			Sidelights And Transoms <small>(08 12 13 13)</small>		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0167			Fixed Steel Transoms <small>(08 12 13 13-0166)</small>		
			Note: Excludes glazing.		
08 12 13 13-0168	SF		4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	62.19	16.98
			<i>For Movable Frame, Add</i>	12.44	
			<i>For 18 Gauge Frame, Deduct</i>	-2.82	
			<i>For 14 Gauge Frame, Add</i>	7.06	
			<i>For 12 Gauge Frame, Add</i>	10.73	
08 12 13 13-0169	SF		5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	64.79	17.58
			<i>For Movable Frame, Add</i>	12.96	
			<i>For 18 Gauge Frame, Deduct</i>	-2.96	
			<i>For 14 Gauge Frame, Add</i>	7.41	
			<i>For 12 Gauge Frame, Add</i>	11.26	
08 12 13 13-0170	SF		6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	67.49	18.19
			<i>For Movable Frame, Add</i>	13.50	
			<i>For 18 Gauge Frame, Deduct</i>	-3.11	
			<i>For 14 Gauge Frame, Add</i>	7.78	
			<i>For 12 Gauge Frame, Add</i>	11.83	
08 12 13 13-0171			Operable Steel Transom Sash <small>(08 12 13 13-0166)</small>		
			Note: Includes hardware.		
08 12 13 13-0172	SF		4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	81.27	16.98
			<i>For 18 Gauge Frame, Deduct</i>	-4.73	
			<i>For 14 Gauge Frame, Add</i>	11.83	
			<i>For 12 Gauge Frame, Add</i>	17.98	
08 12 13 13-0173	SF		5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	84.85	17.58
			<i>For 18 Gauge Frame, Deduct</i>	-4.97	
			<i>For 14 Gauge Frame, Add</i>	12.42	
			<i>For 12 Gauge Frame, Add</i>	18.88	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0174	SF		6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	88.54 -5.22 13.04 19.82	18.19
08 12 13 13-0175			Sidelights, Steel Frame (08 12 13 13-0166) Note: Excludes glazing.		
08 12 13 13-0176	SF		4-3/4" Deep Sidelights, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	64.30 -3.04 7.59 11.53	16.98
08 12 13 13-0177	SF		5-3/4" Deep Sidelights, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	67.03 -3.19 7.97 12.11	17.58
08 12 13 13-0178	SF		6-3/4" Deep Sidelights, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	69.82 -3.35 8.36 12.71	18.19
08 12 13 13-0179			Sundry Hollow Metal Frame Sections (08 12 13 13) Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0180			16 Gauge, Hollow Metal Frame Vertical Mullions (08 12 13 13-0179)		
08 12 13 13-0181	LF		4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	43.52 -2.64 6.61 10.05 8.00 5.00 4.00	6.79
08 12 13 13-0182	LF		4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	44.58 -2.75 6.88 10.45 8.00 5.00 4.00	6.79
08 12 13 13-0183	LF		5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	44.01 -2.64 6.61 10.05 8.00 5.00 4.00	7.03
08 12 13 13-0184	LF		5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	45.65 -2.81 7.02 10.67 8.00 5.00 4.00	7.03
08 12 13 13-0185	LF		6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	45.71 -2.78 6.94 10.55 8.00 5.00 4.00	7.16
08 12 13 13-0186	LF		6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	46.34 -2.84 7.10 10.78 8.00 5.00 4.00	7.16
08 12 13 13-0187			16 Gauge, Hollow Metal Frame Horizontal Rails (08 12 13 13-0179)		
08 12 13 13-0188	LF		4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	30.30 -1.32 3.31 5.02 8.00 5.00 4.00	6.79
08 12 13 13-0189	LF		4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	31.65 -1.46 3.64 5.54 8.00 5.00 4.00	6.79

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0190	LF		5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	30.79	7.03
			<i>For 18 Gauge Frame, Deduct</i>	-1.32	
			<i>For 14 Gauge Frame, Add</i>	3.31	
			<i>For 12 Gauge Frame, Add</i>	5.02	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0191	LF		5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	32.14	7.03
			<i>For 18 Gauge Frame, Deduct</i>	-1.46	
			<i>For 14 Gauge Frame, Add</i>	3.64	
			<i>For 12 Gauge Frame, Add</i>	5.54	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0192	LF		6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	31.84	7.16
			<i>For 18 Gauge Frame, Deduct</i>	-1.39	
			<i>For 14 Gauge Frame, Add</i>	3.47	
			<i>For 12 Gauge Frame, Add</i>	5.27	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0193	LF		6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	33.01	7.16
			<i>For 18 Gauge Frame, Deduct</i>	-1.51	
			<i>For 14 Gauge Frame, Add</i>	3.76	
			<i>For 12 Gauge Frame, Add</i>	5.72	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0194			16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions <small>(08 12 13 13-0179)</small>		
08 12 13 13-0195	EA		4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,167.78	47.53
			<i>For 18 Gauge Frame, Deduct</i>	-104.90	
			<i>For 14 Gauge Frame, Add</i>	262.24	
			<i>For 12 Gauge Frame, Add</i>	398.60	
08 12 13 13-0196	EA		4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,209.62	47.53
			<i>For 18 Gauge Frame, Deduct</i>	-109.08	
			<i>For 14 Gauge Frame, Add</i>	272.70	
			<i>For 12 Gauge Frame, Add</i>	414.50	
08 12 13 13-0197	EA		5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,340.27	49.72
			<i>For 18 Gauge Frame, Deduct</i>	-121.78	
			<i>For 14 Gauge Frame, Add</i>	304.45	
			<i>For 12 Gauge Frame, Add</i>	462.77	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0198	EA		5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,377.62	49.72
			<i>For 18 Gauge Frame, Deduct</i>	-125.52	
			<i>For 14 Gauge Frame, Add</i>	313.79	
			<i>For 12 Gauge Frame, Add</i>	476.96	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0199	EA		6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,558.79	50.92
			<i>For 18 Gauge Frame, Deduct</i>	-143.15	
			<i>For 14 Gauge Frame, Add</i>	357.87	
			<i>For 12 Gauge Frame, Add</i>	543.96	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0200	EA		6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,584.19	50.92
			<i>For 18 Gauge Frame, Deduct</i>	-145.69	
			<i>For 14 Gauge Frame, Add</i>	364.22	
			<i>For 12 Gauge Frame, Add</i>	553.61	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0201			Metal Frames Accessories <small>(08 12 13 13)</small>		
08 12 13 13-0202	EA		For 1' Extension Of New Door Frame	47.44	
08 12 16 Aluminum Frames <small>(08 12)</small>					
08 12 16 00-0001			Two Piece Aluminum Door Frames <small>(08 12 16)</small>		
08 12 16 00-0002			4-1/8" x 3/8" Two Piece Aluminum Door Frames <small>(08 12 16 00-0001)</small>		
08 12 16 00-0003	EA		Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head	2,835.51	66.68
08 12 16 00-0004	EA		Two Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head	2,835.51	66.68
08 12 16 00-0005			4-3/4" x 1-3/8" Two Piece Aluminum Door Frames <small>(08 12 16 00-0001)</small>		
08 12 16 00-0006	EA		Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	2,835.51	66.68



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

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

08 12 16 00-0007	EA	Two Piece Aluminum Door Frame Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	2,835.51	66.68
------------------	----	--	----------	-------

08 13 Metal Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware.

08 13 13 Hollow Metal Doors (08 13)

08 13 13 13 Standard Hollow Metal Doors (08 13 13)

Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet that has been coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy Duty; 16 Gauge, Level 3 Extra Heavy Duty; 14 Gauge, Level 4 Maximum Duty.

08 13 13 13-0001		20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13)</small>		
08 13 13 13-0002		6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0001)</small>		
08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	742.73	66.68
		<i>For Galvanized Steel Door, Add</i>	121.87	
		<i>For Type 304 Stainless Steel Door, Add</i>	487.49	
		<i>For Type 316 Stainless Steel Door, Add</i>	792.17	
		<i>For Embossed Panel Door, Add</i>	146.25	
		<i>For Baked Enamel Finish, Add</i>	202.81	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-40.47	
		<i>For >100, Deduct</i>	-59.04	
		<i>For Polystyrene Core, Add</i>	60.94	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	152.34	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	76.17	
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	742.73	66.68
		<i>For Galvanized Steel Door, Add</i>	121.87	
		<i>For Type 304 Stainless Steel Door, Add</i>	487.49	
		<i>For Type 316 Stainless Steel Door, Add</i>	792.17	
		<i>For Embossed Panel Door, Add</i>	146.25	
		<i>For Baked Enamel Finish, Add</i>	202.81	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-40.47	
		<i>For >100, Deduct</i>	-59.04	
		<i>For Polystyrene Core, Add</i>	60.94	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	152.34	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	76.17	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	761.26	69.71
		<i>For Galvanized Steel Door, Add</i>	124.37	
		<i>For Type 304 Stainless Steel Door, Add</i>	497.46	
		<i>For Type 316 Stainless Steel Door, Add</i>	808.38	
		<i>For Embossed Panel Door, Add</i>	149.24	
		<i>For Baked Enamel Finish, Add</i>	207.46	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-41.55	
		<i>For >100, Deduct</i>	-60.58	
		<i>For Polystyrene Core, Add</i>	62.18	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	155.46	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	77.73	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	770.54	69.71
		<i>For Galvanized Steel Door, Add</i>	126.22	
		<i>For Type 304 Stainless Steel Door, Add</i>	504.89	
		<i>For Type 316 Stainless Steel Door, Add</i>	820.44	
		<i>For Embossed Panel Door, Add</i>	151.47	
		<i>For Baked Enamel Finish, Add</i>	210.25	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-42.01	
		<i>For >100, Deduct</i>	-61.28	
		<i>For Polystyrene Core, Add</i>	63.11	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	157.78	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	78.89	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0007	EA	2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	777.28	71.23
			<i>For Galvanized Steel Door, Add</i>	126.96	
			<i>For Type 304 Stainless Steel Door, Add</i>	507.86	
			<i>For Type 316 Stainless Steel Door, Add</i>	825.27	
			<i>For Embossed Panel Door, Add</i>	152.36	
			<i>For Baked Enamel Finish, Add</i>	211.82	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-42.43	
			<i>For >100, Deduct</i>	-61.86	
			<i>For Polystyrene Core, Add</i>	63.48	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	158.71	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	79.35	
08 13 13	13-0008	EA	3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	784.02	72.75
			<i>For Galvanized Steel Door, Add</i>	127.71	
			<i>For Type 304 Stainless Steel Door, Add</i>	510.82	
			<i>For Type 316 Stainless Steel Door, Add</i>	830.09	
			<i>For Embossed Panel Door, Add</i>	153.25	
			<i>For Baked Enamel Finish, Add</i>	213.38	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-42.84	
			<i>For >100, Deduct</i>	-62.44	
			<i>For Polystyrene Core, Add</i>	63.85	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	159.63	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	79.82	
08 13 13	13-0009	EA	3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	832.28	72.75
			<i>For Galvanized Steel Door, Add</i>	137.36	
			<i>For Type 304 Stainless Steel Door, Add</i>	549.43	
			<i>For Type 316 Stainless Steel Door, Add</i>	892.83	
			<i>For Embossed Panel Door, Add</i>	164.83	
			<i>For Baked Enamel Finish, Add</i>	227.86	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-45.25	
			<i>For >100, Deduct</i>	-66.06	
			<i>For Polystyrene Core, Add</i>	68.68	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	171.70	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	85.85	
08 13 13	13-0010	EA	3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	856.91	75.78
			<i>For Galvanized Steel Door, Add</i>	141.07	
			<i>For Type 304 Stainless Steel Door, Add</i>	564.29	
			<i>For Type 316 Stainless Steel Door, Add</i>	916.97	
			<i>For Embossed Panel Door, Add</i>	169.29	
			<i>For Baked Enamel Finish, Add</i>	234.34	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-46.63	
			<i>For >100, Deduct</i>	-68.06	
			<i>For Polystyrene Core, Add</i>	70.54	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	176.34	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	88.17	
08 13 13	13-0011	EA	4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	943.28	81.84
			<i>For Galvanized Steel Door, Add</i>	155.92	
			<i>For Type 304 Stainless Steel Door, Add</i>	623.68	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,013.48	
			<i>For Embossed Panel Door, Add</i>	187.10	
			<i>For Baked Enamel Finish, Add</i>	258.43	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-51.26	
			<i>For >100, Deduct</i>	-74.84	
			<i>For Polystyrene Core, Add</i>	77.96	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	194.90	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	97.45	

08 13 13 13-0012 7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal
Doors (08 13 13 13-0001)



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0013 EA 2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	758.70	66.68
For Galvanized Steel Door, Add	125.07	
For Type 304 Stainless Steel Door, Add	500.26	
For Type 316 Stainless Steel Door, Add	812.93	
For Embossed Panel Door, Add	150.08	
For Baked Enamel Finish, Add	207.60	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-41.27	
For >100, Deduct	-60.24	
For Polystyrene Core, Add	62.53	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	156.33	
For Continuously Welded And Filled Vertical Edge Seam, Add	78.17	
08 13 13 13-0014 EA 2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	758.70	66.68
For Galvanized Steel Door, Add	125.07	
For Type 304 Stainless Steel Door, Add	500.26	
For Type 316 Stainless Steel Door, Add	812.93	
For Embossed Panel Door, Add	150.08	
For Baked Enamel Finish, Add	207.60	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-41.27	
For >100, Deduct	-60.24	
For Polystyrene Core, Add	62.53	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	156.33	
For Continuously Welded And Filled Vertical Edge Seam, Add	78.17	
08 13 13 13-0015 EA 2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	777.55	69.71
For Galvanized Steel Door, Add	127.62	
For Type 304 Stainless Steel Door, Add	510.50	
For Type 316 Stainless Steel Door, Add	829.56	
For Embossed Panel Door, Add	153.15	
For Baked Enamel Finish, Add	212.35	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.36	
For >100, Deduct	-61.80	
For Polystyrene Core, Add	63.81	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	159.53	
For Continuously Welded And Filled Vertical Edge Seam, Add	79.77	
08 13 13 13-0016 EA 2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	787.07	69.71
For Galvanized Steel Door, Add	129.53	
For Type 304 Stainless Steel Door, Add	518.11	
For Type 316 Stainless Steel Door, Add	841.93	
For Embossed Panel Door, Add	155.43	
For Baked Enamel Finish, Add	215.21	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.84	
For >100, Deduct	-62.52	
For Polystyrene Core, Add	64.76	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	161.91	
For Continuously Welded And Filled Vertical Edge Seam, Add	80.96	
08 13 13 13-0017 EA 2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	793.91	71.23
For Galvanized Steel Door, Add	130.29	
For Type 304 Stainless Steel Door, Add	521.16	
For Type 316 Stainless Steel Door, Add	846.89	
For Embossed Panel Door, Add	156.35	
For Baked Enamel Finish, Add	216.80	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.26	
For >100, Deduct	-63.10	
For Polystyrene Core, Add	65.15	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	162.86	
For Continuously Welded And Filled Vertical Edge Seam, Add	81.43	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0018	EA 3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	800.75	72.75
	For Galvanized Steel Door, Add	131.05	
	For Type 304 Stainless Steel Door, Add	524.21	
	For Type 316 Stainless Steel Door, Add	851.84	
	For Embossed Panel Door, Add	157.26	
	For Baked Enamel Finish, Add	218.40	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-43.67	
	For >100, Deduct	-63.69	
	For Polystyrene Core, Add	65.53	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	163.82	
	For Continuously Welded And Filled Vertical Edge Seam, Add	81.91	
08 13 13 13-0019	EA 3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	850.28	72.75
	For Galvanized Steel Door, Add	140.96	
	For Type 304 Stainless Steel Door, Add	563.83	
	For Type 316 Stainless Steel Door, Add	916.23	
	For Embossed Panel Door, Add	169.15	
	For Baked Enamel Finish, Add	233.26	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-46.15	
	For >100, Deduct	-67.41	
	For Polystyrene Core, Add	70.48	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	176.20	
	For Continuously Welded And Filled Vertical Edge Seam, Add	88.10	
08 13 13 13-0020	EA 3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	875.39	75.78
	For Galvanized Steel Door, Add	144.77	
	For Type 304 Stainless Steel Door, Add	579.07	
	For Type 316 Stainless Steel Door, Add	940.99	
	For Embossed Panel Door, Add	173.72	
	For Baked Enamel Finish, Add	239.88	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.56	
	For >100, Deduct	-69.44	
	For Polystyrene Core, Add	72.38	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	180.96	
	For Continuously Welded And Filled Vertical Edge Seam, Add	90.48	
08 13 13 13-0021	EA 4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	963.71	81.84
	For Galvanized Steel Door, Add	160.01	
	For Type 304 Stainless Steel Door, Add	640.02	
	For Type 316 Stainless Steel Door, Add	1,040.04	
	For Embossed Panel Door, Add	192.01	
	For Baked Enamel Finish, Add	264.56	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-52.28	
	For >100, Deduct	-76.37	
	For Polystyrene Core, Add	80.00	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	200.01	
	For Continuously Welded And Filled Vertical Edge Seam, Add	100.00	
08 13 13 13-0022	7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0001)</small>		
08 13 13 13-0023	EA 2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	774.21	66.68
	For Galvanized Steel Door, Add	128.17	
	For Type 304 Stainless Steel Door, Add	512.67	
	For Type 316 Stainless Steel Door, Add	833.09	
	For Embossed Panel Door, Add	153.80	
	For Baked Enamel Finish, Add	212.26	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-42.04	
	For >100, Deduct	-61.40	
	For Polystyrene Core, Add	64.08	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	160.21	
	For Continuously Welded And Filled Vertical Edge Seam, Add	80.11	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0024 EA 2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	774.21	66.68
For Galvanized Steel Door, Add	128.17	
For Type 304 Stainless Steel Door, Add	512.67	
For Type 316 Stainless Steel Door, Add	833.09	
For Embossed Panel Door, Add	153.80	
For Baked Enamel Finish, Add	212.26	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.04	
For >100, Deduct	-61.40	
For Polystyrene Core, Add	64.08	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	160.21	
For Continuously Welded And Filled Vertical Edge Seam, Add	80.11	
08 13 13 13-0025 EA 2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	793.38	69.71
For Galvanized Steel Door, Add	130.79	
For Type 304 Stainless Steel Door, Add	523.16	
For Type 316 Stainless Steel Door, Add	850.14	
For Embossed Panel Door, Add	156.95	
For Baked Enamel Finish, Add	217.10	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.15	
For >100, Deduct	-62.99	
For Polystyrene Core, Add	65.40	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	163.49	
For Continuously Welded And Filled Vertical Edge Seam, Add	81.74	
08 13 13 13-0026 EA 2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	803.13	69.71
For Galvanized Steel Door, Add	132.74	
For Type 304 Stainless Steel Door, Add	530.96	
For Type 316 Stainless Steel Door, Add	862.81	
For Embossed Panel Door, Add	159.29	
For Baked Enamel Finish, Add	220.02	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.64	
For >100, Deduct	-63.72	
For Polystyrene Core, Add	66.37	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	165.93	
For Continuously Welded And Filled Vertical Edge Seam, Add	82.96	
08 13 13 13-0027 EA 2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	810.06	71.23
For Galvanized Steel Door, Add	133.52	
For Type 304 Stainless Steel Door, Add	534.08	
For Type 316 Stainless Steel Door, Add	867.88	
For Embossed Panel Door, Add	160.22	
For Baked Enamel Finish, Add	221.65	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-44.06	
For >100, Deduct	-64.32	
For Polystyrene Core, Add	66.76	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	166.90	
For Continuously Welded And Filled Vertical Edge Seam, Add	83.45	
08 13 13 13-0028 EA 3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	817.00	72.75
For Galvanized Steel Door, Add	134.30	
For Type 304 Stainless Steel Door, Add	537.21	
For Type 316 Stainless Steel Door, Add	872.96	
For Embossed Panel Door, Add	161.16	
For Baked Enamel Finish, Add	223.28	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-44.49	
For >100, Deduct	-64.91	
For Polystyrene Core, Add	67.15	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	167.88	
For Continuously Welded And Filled Vertical Edge Seam, Add	83.94	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0029	EA 3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	867.76	72.75
	For Galvanized Steel Door, Add	144.45	
	For Type 304 Stainless Steel Door, Add	577.82	
	For Type 316 Stainless Steel Door, Add	938.95	
	For Embossed Panel Door, Add	173.34	
	For Baked Enamel Finish, Add	238.50	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.03	
	For >100, Deduct	-68.72	
	For Polystyrene Core, Add	72.23	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	180.57	
	For Continuously Welded And Filled Vertical Edge Seam, Add	90.28	
08 13 13 13-0030	EA 3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	893.34	75.78
	For Galvanized Steel Door, Add	148.36	
	For Type 304 Stainless Steel Door, Add	593.43	
	For Type 316 Stainless Steel Door, Add	964.33	
	For Embossed Panel Door, Add	178.03	
	For Baked Enamel Finish, Add	245.27	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-48.46	
	For >100, Deduct	-70.79	
	For Polystyrene Core, Add	74.18	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	185.45	
	For Continuously Welded And Filled Vertical Edge Seam, Add	92.72	
08 13 13 13-0031	EA 4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	983.55	81.84
	For Galvanized Steel Door, Add	163.97	
	For Type 304 Stainless Steel Door, Add	655.90	
	For Type 316 Stainless Steel Door, Add	1,065.83	
	For Embossed Panel Door, Add	196.77	
	For Baked Enamel Finish, Add	270.51	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-53.27	
	For >100, Deduct	-77.86	
	For Polystyrene Core, Add	81.99	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	204.97	
	For Continuously Welded And Filled Vertical Edge Seam, Add	102.48	
08 13 13 13-0032	18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13)		
08 13 13 13-0033	6'-8" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0034	EA 2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	792.03	66.68
	For Galvanized Steel Door, Add	131.73	
	For Type 304 Stainless Steel Door, Add	526.93	
	For Type 316 Stainless Steel Door, Add	856.26	
	For Embossed Panel Door, Add	158.08	
	For Baked Enamel Finish, Add	217.60	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-42.94	
	For >100, Deduct	-62.74	
	For 2" Thick Door, Add	51.09	
	For Polystyrene Core, Add	65.87	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	164.67	
	For Continuously Welded And Filled Vertical Edge Seam, Add	82.33	
	For Steel Stiffened, Add	164.67	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0035 EA 2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	792.03	66.68
For Galvanized Steel Door, Add	131.73	
For Type 304 Stainless Steel Door, Add	526.93	
For Type 316 Stainless Steel Door, Add	856.26	
For Embossed Panel Door, Add	158.08	
For Baked Enamel Finish, Add	217.60	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.94	
For >100, Deduct	-62.74	
For 2" Thick Door, Add	51.09	
For Polystyrene Core, Add	65.87	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	164.67	
For Continuously Welded And Filled Vertical Edge Seam, Add	82.33	
For Steel Stiffened, Add	164.67	
08 13 13 13-0036 EA 2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	811.56	69.71
For Galvanized Steel Door, Add	134.43	
For Type 304 Stainless Steel Door, Add	537.70	
For Type 316 Stainless Steel Door, Add	873.77	
For Embossed Panel Door, Add	161.31	
For Baked Enamel Finish, Add	222.55	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-44.06	
For >100, Deduct	-64.35	
For 2" Thick Door, Add	52.22	
For Polystyrene Core, Add	67.21	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	168.03	
For Continuously Welded And Filled Vertical Edge Seam, Add	84.02	
For Steel Stiffened, Add	168.03	
08 13 13 13-0037 EA 2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	821.59	69.71
For Galvanized Steel Door, Add	136.43	
For Type 304 Stainless Steel Door, Add	545.73	
For Type 316 Stainless Steel Door, Add	886.81	
For Embossed Panel Door, Add	163.72	
For Baked Enamel Finish, Add	225.56	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-44.57	
For >100, Deduct	-65.11	
For 2" Thick Door, Add	52.94	
For Polystyrene Core, Add	68.22	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	170.54	
For Continuously Welded And Filled Vertical Edge Seam, Add	85.27	
For Steel Stiffened, Add	170.54	
08 13 13 13-0038 EA 2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	828.62	71.23
For Galvanized Steel Door, Add	137.23	
For Type 304 Stainless Steel Door, Add	548.93	
For Type 316 Stainless Steel Door, Add	892.01	
For Embossed Panel Door, Add	164.68	
For Baked Enamel Finish, Add	227.22	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-44.99	
For >100, Deduct	-65.71	
For 2" Thick Door, Add	53.31	
For Polystyrene Core, Add	68.62	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	171.54	
For Continuously Welded And Filled Vertical Edge Seam, Add	85.77	
For Steel Stiffened, Add	171.54	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	835.68	72.75
			<i>For Galvanized Steel Door, Add</i>	138.04	
			<i>For Type 304 Stainless Steel Door, Add</i>	552.15	
			<i>For Type 316 Stainless Steel Door, Add</i>	897.25	
			<i>For Embossed Panel Door, Add</i>	165.65	
			<i>For Baked Enamel Finish, Add</i>	228.88	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-45.42	
			<i>For >100, Deduct</i>	-66.31	
			<i>For 2" Thick Door, Add</i>	53.68	
			<i>For Polystyrene Core, Add</i>	69.02	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	172.55	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	86.27	
			<i>For Steel Stiffened, Add</i>	172.55	
08 13 13	13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	887.85	72.75
			<i>For Galvanized Steel Door, Add</i>	148.47	
			<i>For Type 304 Stainless Steel Door, Add</i>	593.89	
			<i>For Type 316 Stainless Steel Door, Add</i>	965.07	
			<i>For Embossed Panel Door, Add</i>	178.17	
			<i>For Baked Enamel Finish, Add</i>	244.53	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-48.03	
			<i>For >100, Deduct</i>	-70.23	
			<i>For 2" Thick Door, Add</i>	57.46	
			<i>For Polystyrene Core, Add</i>	74.24	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	185.59	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	92.80	
			<i>For Steel Stiffened, Add</i>	185.59	
08 13 13	13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	913.97	75.78
			<i>For Galvanized Steel Door, Add</i>	152.48	
			<i>For Type 304 Stainless Steel Door, Add</i>	609.94	
			<i>For Type 316 Stainless Steel Door, Add</i>	991.15	
			<i>For Embossed Panel Door, Add</i>	182.98	
			<i>For Baked Enamel Finish, Add</i>	251.46	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-49.49	
			<i>For >100, Deduct</i>	-72.34	
			<i>For 2" Thick Door, Add</i>	59.06	
			<i>For Polystyrene Core, Add</i>	76.24	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	190.61	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	95.30	
			<i>For Steel Stiffened, Add</i>	190.61	
08 13 13	13-0042	EA	4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,006.35	81.84
			<i>For Galvanized Steel Door, Add</i>	168.53	
			<i>For Type 304 Stainless Steel Door, Add</i>	674.14	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,095.47	
			<i>For Embossed Panel Door, Add</i>	202.24	
			<i>For Baked Enamel Finish, Add</i>	277.35	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-54.41	
			<i>For >100, Deduct</i>	-79.57	
			<i>For 2" Thick Door, Add</i>	65.19	
			<i>For Polystyrene Core, Add</i>	84.27	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	210.67	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	105.33	
			<i>For Steel Stiffened, Add</i>	210.67	

08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0044 EA 2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	807.67	66.68
For Galvanized Steel Door, Add	134.86	
For Type 304 Stainless Steel Door, Add	539.44	
For Type 316 Stainless Steel Door, Add	876.59	
For Embossed Panel Door, Add	161.83	
For Baked Enamel Finish, Add	222.30	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.72	
For >100, Deduct	-63.91	
For 2" Thick Door, Add	52.22	
For Polystyrene Core, Add	67.43	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	168.58	
For Continuously Welded And Filled Vertical Edge Seam, Add	84.29	
For Steel Stiffened, Add	168.58	
08 13 13 13-0045 EA 2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	807.67	66.68
For Galvanized Steel Door, Add	134.86	
For Type 304 Stainless Steel Door, Add	539.44	
For Type 316 Stainless Steel Door, Add	876.59	
For Embossed Panel Door, Add	161.83	
For Baked Enamel Finish, Add	222.30	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.72	
For >100, Deduct	-63.91	
For 2" Thick Door, Add	52.22	
For Polystyrene Core, Add	67.43	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	168.58	
For Continuously Welded And Filled Vertical Edge Seam, Add	84.29	
For Steel Stiffened, Add	168.58	
08 13 13 13-0046 EA 2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	827.52	69.71
For Galvanized Steel Door, Add	137.62	
For Type 304 Stainless Steel Door, Add	550.47	
For Type 316 Stainless Steel Door, Add	894.52	
For Embossed Panel Door, Add	165.14	
For Baked Enamel Finish, Add	227.34	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-44.86	
For >100, Deduct	-65.55	
For 2" Thick Door, Add	53.37	
For Polystyrene Core, Add	68.81	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	172.02	
For Continuously Welded And Filled Vertical Edge Seam, Add	86.01	
For Steel Stiffened, Add	172.02	
08 13 13 13-0047 EA 2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	837.78	69.71
For Galvanized Steel Door, Add	139.67	
For Type 304 Stainless Steel Door, Add	558.68	
For Type 316 Stainless Steel Door, Add	907.86	
For Embossed Panel Door, Add	167.60	
For Baked Enamel Finish, Add	230.42	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-45.37	
For >100, Deduct	-66.32	
For 2" Thick Door, Add	54.12	
For Polystyrene Core, Add	69.84	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	174.59	
For Continuously Welded And Filled Vertical Edge Seam, Add	87.29	
For Steel Stiffened, Add	174.59	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0048	EA	2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	844.92	71.23
			<i>For Galvanized Steel Door, Add</i>	140.49	
			<i>For Type 304 Stainless Steel Door, Add</i>	561.97	
			<i>For Type 316 Stainless Steel Door, Add</i>	913.20	
			<i>For Embossed Panel Door, Add</i>	168.59	
			<i>For Baked Enamel Finish, Add</i>	232.11	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-45.81	
			<i>For >100, Deduct</i>	-66.93	
			<i>For 2" Thick Door, Add</i>	54.49	
			<i>For Polystyrene Core, Add</i>	70.25	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	175.62	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	87.81	
			<i>For Steel Stiffened, Add</i>	175.62	
08 13 13	13-0049	EA	3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	852.06	72.75
			<i>For Galvanized Steel Door, Add</i>	141.31	
			<i>For Type 304 Stainless Steel Door, Add</i>	565.26	
			<i>For Type 316 Stainless Steel Door, Add</i>	918.54	
			<i>For Embossed Panel Door, Add</i>	169.58	
			<i>For Baked Enamel Finish, Add</i>	233.79	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-46.24	
			<i>For >100, Deduct</i>	-67.54	
			<i>For 2" Thick Door, Add</i>	54.86	
			<i>For Polystyrene Core, Add</i>	70.66	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	176.64	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	88.32	
			<i>For Steel Stiffened, Add</i>	176.64	
08 13 13	13-0050	EA	3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	905.46	72.75
			<i>For Galvanized Steel Door, Add</i>	151.99	
			<i>For Type 304 Stainless Steel Door, Add</i>	607.98	
			<i>For Type 316 Stainless Steel Door, Add</i>	987.96	
			<i>For Embossed Panel Door, Add</i>	182.39	
			<i>For Baked Enamel Finish, Add</i>	249.81	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-48.91	
			<i>For >100, Deduct</i>	-71.55	
			<i>For 2" Thick Door, Add</i>	58.74	
			<i>For Polystyrene Core, Add</i>	76.00	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	189.99	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	95.00	
			<i>For Steel Stiffened, Add</i>	189.99	
08 13 13	13-0051	EA	3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	932.06	75.78
			<i>For Galvanized Steel Door, Add</i>	156.10	
			<i>For Type 304 Stainless Steel Door, Add</i>	624.41	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,014.66	
			<i>For Embossed Panel Door, Add</i>	187.32	
			<i>For Baked Enamel Finish, Add</i>	256.89	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-50.39	
			<i>For >100, Deduct</i>	-73.69	
			<i>For 2" Thick Door, Add</i>	60.38	
			<i>For Polystyrene Core, Add</i>	78.05	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	195.13	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	97.56	
			<i>For Steel Stiffened, Add</i>	195.13	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0052 EA 4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,026.35	81.84
For Galvanized Steel Door, Add	172.53	
For Type 304 Stainless Steel Door, Add	690.14	
For Type 316 Stainless Steel Door, Add	1,121.47	
For Embossed Panel Door, Add	207.04	
For Baked Enamel Finish, Add	283.35	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-55.41	
For >100, Deduct	-81.07	
For 2" Thick Door, Add	66.64	
For Polystyrene Core, Add	86.27	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	215.67	
For Continuously Welded And Filled Vertical Edge Seam, Add	107.83	
For Steel Stiffened, Add	215.67	
08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0054 EA 2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	823.30	66.68
For Galvanized Steel Door, Add	137.99	
For Type 304 Stainless Steel Door, Add	551.94	
For Type 316 Stainless Steel Door, Add	896.91	
For Embossed Panel Door, Add	165.58	
For Baked Enamel Finish, Add	226.98	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-44.50	
For >100, Deduct	-65.08	
For 2" Thick Door, Add	53.35	
For Polystyrene Core, Add	68.99	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	172.48	
For Continuously Welded And Filled Vertical Edge Seam, Add	86.24	
For Steel Stiffened, Add	172.48	
08 13 13 13-0055 EA 2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	823.30	66.68
For Galvanized Steel Door, Add	137.99	
For Type 304 Stainless Steel Door, Add	551.94	
For Type 316 Stainless Steel Door, Add	896.91	
For Embossed Panel Door, Add	165.58	
For Baked Enamel Finish, Add	226.98	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-44.50	
For >100, Deduct	-65.08	
For 2" Thick Door, Add	53.35	
For Polystyrene Core, Add	68.99	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	172.48	
For Continuously Welded And Filled Vertical Edge Seam, Add	86.24	
For Steel Stiffened, Add	172.48	
08 13 13 13-0056 EA 2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	843.47	69.71
For Galvanized Steel Door, Add	140.81	
For Type 304 Stainless Steel Door, Add	563.23	
For Type 316 Stainless Steel Door, Add	915.25	
For Embossed Panel Door, Add	168.97	
For Baked Enamel Finish, Add	232.13	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-45.66	
For >100, Deduct	-66.75	
For 2" Thick Door, Add	54.53	
For Polystyrene Core, Add	70.40	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	176.01	
For Continuously Welded And Filled Vertical Edge Seam, Add	88.01	
For Steel Stiffened, Add	176.01	

08	Openings
08 10	Doors and Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	853.97	69.71
			<i>For Galvanized Steel Door, Add</i>	142.91	
			<i>For Type 304 Stainless Steel Door, Add</i>	571.63	
			<i>For Type 316 Stainless Steel Door, Add</i>	928.90	
			<i>For Embossed Panel Door, Add</i>	171.49	
			<i>For Baked Enamel Finish, Add</i>	235.28	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-46.18	
			<i>For >100, Deduct</i>	-67.53	
			<i>For 2" Thick Door, Add</i>	55.29	
			<i>For Polystyrene Core, Add</i>	71.45	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	178.64	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	89.32	
			<i>For Steel Stiffened, Add</i>	178.64	
08 13 13	13-0058	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	868.44	72.75
			<i>For Galvanized Steel Door, Add</i>	144.59	
			<i>For Type 304 Stainless Steel Door, Add</i>	578.36	
			<i>For Type 316 Stainless Steel Door, Add</i>	939.84	
			<i>For Embossed Panel Door, Add</i>	173.51	
			<i>For Baked Enamel Finish, Add</i>	238.71	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-47.06	
			<i>For >100, Deduct</i>	-68.77	
			<i>For 2" Thick Door, Add</i>	56.05	
			<i>For Polystyrene Core, Add</i>	72.30	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	180.74	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	90.37	
			<i>For Steel Stiffened, Add</i>	180.74	
08 13 13	13-0059	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	923.08	72.75
			<i>For Galvanized Steel Door, Add</i>	155.52	
			<i>For Type 304 Stainless Steel Door, Add</i>	622.07	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,010.87	
			<i>For Embossed Panel Door, Add</i>	186.62	
			<i>For Baked Enamel Finish, Add</i>	255.10	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-49.79	
			<i>For >100, Deduct</i>	-72.87	
			<i>For 2" Thick Door, Add</i>	60.01	
			<i>For Polystyrene Core, Add</i>	77.76	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	194.40	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	97.20	
			<i>For Steel Stiffened, Add</i>	194.40	
08 13 13	13-0060	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	950.16	75.78
			<i>For Galvanized Steel Door, Add</i>	159.72	
			<i>For Type 304 Stainless Steel Door, Add</i>	638.89	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,038.19	
			<i>For Embossed Panel Door, Add</i>	191.67	
			<i>For Baked Enamel Finish, Add</i>	262.32	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-51.30	
			<i>For >100, Deduct</i>	-75.05	
			<i>For 2" Thick Door, Add</i>	61.69	
			<i>For Polystyrene Core, Add</i>	79.86	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	199.65	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	99.83	
			<i>For Steel Stiffened, Add</i>	199.65	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0061 EA 4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	1,046.35	81.84
For Galvanized Steel Door, Add	176.53	
For Type 304 Stainless Steel Door, Add	706.14	
For Type 316 Stainless Steel Door, Add	1,147.47	
For Embossed Panel Door, Add	211.84	
For Baked Enamel Finish, Add	289.35	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-56.41	
For >100, Deduct	-82.57	
For 2" Thick Door, Add	68.09	
For Polystyrene Core, Add	88.27	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	220.67	
For Continuously Welded And Filled Vertical Edge Seam, Add	110.33	
For Steel Stiffened, Add	220.67	
08 13 13 13-0062 8' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0063 EA 2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	952.24	66.68
For Up To 1' Extra Height, Add	226.58	
For 1' To 1'-6" Extra Height, Add	432.28	
For Galvanized Steel Door, Add	163.77	
For Type 304 Stainless Steel Door, Add	655.10	
For Type 316 Stainless Steel Door, Add	1,064.53	
For Embossed Panel Door, Add	196.53	
For Baked Enamel Finish, Add	265.67	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-50.95	
For >100, Deduct	-74.75	
For 2" Thick Door, Add	62.70	
For Polystyrene Core, Add	81.89	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	204.72	
For Continuously Welded And Filled Vertical Edge Seam, Add	102.36	
For Steel Stiffened, Add	204.72	
08 13 13 13-0064 EA 2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	952.24	66.68
For Up To 1' Extra Height, Add	226.58	
For 1' To 1'-6" Extra Height, Add	432.28	
For Galvanized Steel Door, Add	163.77	
For Type 304 Stainless Steel Door, Add	655.10	
For Type 316 Stainless Steel Door, Add	1,064.53	
For Embossed Panel Door, Add	196.53	
For Baked Enamel Finish, Add	265.67	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-50.95	
For >100, Deduct	-74.75	
For 2" Thick Door, Add	62.70	
For Polystyrene Core, Add	81.89	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	204.72	
For Continuously Welded And Filled Vertical Edge Seam, Add	102.36	
For Steel Stiffened, Add	204.72	
08 13 13 13-0065 EA 2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	975.05	69.71
For Up To 1' Extra Height, Add	231.22	
For 1' To 1'-6" Extra Height, Add	441.12	
For Galvanized Steel Door, Add	167.12	
For Type 304 Stainless Steel Door, Add	668.50	
For Type 316 Stainless Steel Door, Add	1,086.31	
For Embossed Panel Door, Add	200.55	
For Baked Enamel Finish, Add	271.60	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-52.24	
For >100, Deduct	-76.61	
For 2" Thick Door, Add	64.07	
For Polystyrene Core, Add	83.56	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	208.91	
For Continuously Welded And Filled Vertical Edge Seam, Add	104.45	
For Steel Stiffened, Add	208.91	

08	Openings
08 10	Doors and Frames
08 13	Metal Doors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0066	EA 2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	987.52	69.71
	For Up To 1' Extra Height, Add	234.67	
	For 1' To 1'-6" Extra Height, Add	447.71	
	For Galvanized Steel Door, Add	169.62	
	For Type 304 Stainless Steel Door, Add	678.47	
	For Type 316 Stainless Steel Door, Add	1,102.52	
	For Embossed Panel Door, Add	203.54	
	For Baked Enamel Finish, Add	275.34	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-52.86	
	For >100, Deduct	-77.55	
	For 2" Thick Door, Add	64.97	
	For Polystyrene Core, Add	84.81	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	212.02	
	For Continuously Welded And Filled Vertical Edge Seam, Add	106.01	
	For Steel Stiffened, Add	212.02	
08 13 13 13-0067	EA 2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	995.53	71.23
	For Up To 1' Extra Height, Add	236.04	
	For 1' To 1'-6" Extra Height, Add	450.34	
	For Galvanized Steel Door, Add	170.61	
	For Type 304 Stainless Steel Door, Add	682.46	
	For Type 316 Stainless Steel Door, Add	1,108.99	
	For Embossed Panel Door, Add	204.74	
	For Baked Enamel Finish, Add	277.29	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-53.34	
	For >100, Deduct	-78.23	
	For 2" Thick Door, Add	65.41	
	For Polystyrene Core, Add	85.31	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	213.27	
	For Continuously Welded And Filled Vertical Edge Seam, Add	106.63	
	For Steel Stiffened, Add	213.27	
08 13 13 13-0068	EA 3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,003.55	72.75
	For Up To 1' Extra Height, Add	237.43	
	For 1' To 1'-6" Extra Height, Add	452.97	
	For Galvanized Steel Door, Add	171.61	
	For Type 304 Stainless Steel Door, Add	686.45	
	For Type 316 Stainless Steel Door, Add	1,115.48	
	For Embossed Panel Door, Add	205.93	
	For Baked Enamel Finish, Add	279.24	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-53.81	
	For >100, Deduct	-78.90	
	For 2" Thick Door, Add	65.85	
	For Polystyrene Core, Add	85.81	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	214.52	
	For Continuously Welded And Filled Vertical Edge Seam, Add	107.26	
	For Steel Stiffened, Add	214.52	
08 13 13 13-0069	EA 3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,068.41	72.75
	For Up To 1' Extra Height, Add	255.37	
	For 1' To 1'-6" Extra Height, Add	487.21	
	For Galvanized Steel Door, Add	184.58	
	For Type 304 Stainless Steel Door, Add	738.34	
	For Type 316 Stainless Steel Door, Add	1,199.80	
	For Embossed Panel Door, Add	221.50	
	For Baked Enamel Finish, Add	298.70	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-57.06	
	For >100, Deduct	-83.77	
	For 2" Thick Door, Add	70.55	
	For Polystyrene Core, Add	92.29	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	230.73	
	For Continuously Welded And Filled Vertical Edge Seam, Add	115.37	
	For Steel Stiffened, Add	230.73	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0070 EA 3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	1,099.42	75.78
For Up To 1' Extra Height, Add	262.28	
For 1' To 1'-6" Extra Height, Add	500.38	
For Galvanized Steel Door, Add	189.57	
For Type 304 Stainless Steel Door, Add	758.30	
For Type 316 Stainless Steel Door, Add	1,232.23	
For Embossed Panel Door, Add	227.49	
For Baked Enamel Finish, Add	307.09	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-58.76	
For >100, Deduct	-86.25	
For 2" Thick Door, Add	72.51	
For Polystyrene Core, Add	94.79	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	236.97	
For Continuously Welded And Filled Vertical Edge Seam, Add	118.48	
For Steel Stiffened, Add	236.97	
08 13 13 13-0071 EA 4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	1,211.32	81.84
For Up To 1' Extra Height, Add	289.88	
For 1' To 1'-6" Extra Height, Add	553.05	
For Galvanized Steel Door, Add	209.53	
For Type 304 Stainless Steel Door, Add	838.11	
For Type 316 Stainless Steel Door, Add	1,361.93	
For Embossed Panel Door, Add	251.43	
For Baked Enamel Finish, Add	338.84	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-64.66	
For >100, Deduct	-94.94	
For 2" Thick Door, Add	80.05	
For Polystyrene Core, Add	104.76	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	261.91	
For Continuously Welded And Filled Vertical Edge Seam, Add	130.96	
For Steel Stiffened, Add	261.91	
08 13 13 13-0072 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal		
Doors <small>(08 13 13 13)</small>		
08 13 13 13-0073 6'-8" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow		
Metal Doors <small>(08 13 13 13-0072)</small>		
08 13 13 13-0074 EA 2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,045.62	66.68
For 14 Gauge, Level 4 Maximum Duty, Add	364.90	
For Galvanized Steel Door, Add	182.45	
For Type 304 Stainless Steel Door, Add	729.80	
For Type 316 Stainless Steel Door, Add	1,185.93	
For Embossed Panel Door, Add	218.94	
For Baked Enamel Finish, Add	293.68	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-55.62	
For >100, Deduct	-81.76	
For 2" Thick Door, Add	69.47	
For Polystyrene Core, Add	91.23	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	228.06	
For Continuously Welded And Filled Vertical Edge Seam, Add	114.03	
For Steel Stiffened, Add	228.06	
08 13 13 13-0075 EA 2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,045.62	66.68
For 14 Gauge, Level 4 Maximum Duty, Add	364.90	
For Galvanized Steel Door, Add	182.45	
For Type 304 Stainless Steel Door, Add	729.80	
For Type 316 Stainless Steel Door, Add	1,185.93	
For Embossed Panel Door, Add	218.94	
For Baked Enamel Finish, Add	293.68	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-55.62	
For >100, Deduct	-81.76	
For 2" Thick Door, Add	69.47	
For Polystyrene Core, Add	91.23	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	228.06	
For Continuously Welded And Filled Vertical Edge Seam, Add	114.03	
For Steel Stiffened, Add	228.06	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0076	EA	2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,070.34	69.71
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	372.36	
			<i>For Galvanized Steel Door, Add</i>	186.18	
			<i>For Type 304 Stainless Steel Door, Add</i>	744.73	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,210.18	
			<i>For Embossed Panel Door, Add</i>	223.42	
			<i>For Baked Enamel Finish, Add</i>	300.19	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-57.00	
			<i>For >100, Deduct</i>	-83.76	
			<i>For 2" Thick Door, Add</i>	70.98	
			<i>For Polystyrene Core, Add</i>	93.09	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	232.73	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	116.36	
			<i>For Steel Stiffened, Add</i>	232.73	
08 13 13	13-0077	EA	2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,084.23	69.71
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	377.92	
			<i>For Galvanized Steel Door, Add</i>	188.96	
			<i>For Type 304 Stainless Steel Door, Add</i>	755.84	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,228.24	
			<i>For Embossed Panel Door, Add</i>	226.75	
			<i>For Baked Enamel Finish, Add</i>	304.35	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-57.70	
			<i>For >100, Deduct</i>	-84.80	
			<i>For 2" Thick Door, Add</i>	71.98	
			<i>For Polystyrene Core, Add</i>	94.48	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	236.20	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	118.10	
			<i>For Steel Stiffened, Add</i>	236.20	
08 13 13	13-0078	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,092.83	71.23
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	380.15	
			<i>For Galvanized Steel Door, Add</i>	190.07	
			<i>For Type 304 Stainless Steel Door, Add</i>	760.30	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,235.48	
			<i>For Embossed Panel Door, Add</i>	228.09	
			<i>For Baked Enamel Finish, Add</i>	306.48	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-58.20	
			<i>For >100, Deduct</i>	-85.52	
			<i>For 2" Thick Door, Add</i>	72.46	
			<i>For Polystyrene Core, Add</i>	95.04	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	237.59	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	118.80	
			<i>For Steel Stiffened, Add</i>	237.59	
08 13 13	13-0079	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,101.40	72.75
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	382.36	
			<i>For Galvanized Steel Door, Add</i>	191.18	
			<i>For Type 304 Stainless Steel Door, Add</i>	764.73	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,242.68	
			<i>For Embossed Panel Door, Add</i>	229.42	
			<i>For Baked Enamel Finish, Add</i>	308.60	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-58.71	
			<i>For >100, Deduct</i>	-86.24	
			<i>For 2" Thick Door, Add</i>	72.94	
			<i>For Polystyrene Core, Add</i>	95.59	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	238.98	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	119.49	
			<i>For Steel Stiffened, Add</i>	238.98	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0080 EA 3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,173.66	72.75
For 14 Gauge, Level 4 Maximum Duty, Add	411.27	
For Galvanized Steel Door, Add	205.63	
For Type 304 Stainless Steel Door, Add	822.54	
For Type 316 Stainless Steel Door, Add	1,336.62	
For Embossed Panel Door, Add	246.76	
For Baked Enamel Finish, Add	330.27	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-62.32	
For >100, Deduct	-91.66	
For 2" Thick Door, Add	78.18	
For Polystyrene Core, Add	102.82	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	257.04	
For Continuously Welded And Filled Vertical Edge Seam, Add	128.52	
For Steel Stiffened, Add	257.04	
08 13 13 13-0081 EA 3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,207.50	75.78
For 14 Gauge, Level 4 Maximum Duty, Add	422.38	
For Galvanized Steel Door, Add	211.19	
For Type 304 Stainless Steel Door, Add	844.76	
For Type 316 Stainless Steel Door, Add	1,372.74	
For Embossed Panel Door, Add	253.43	
For Baked Enamel Finish, Add	339.52	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-64.16	
For >100, Deduct	-94.35	
For 2" Thick Door, Add	80.35	
For Polystyrene Core, Add	105.60	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	263.99	
For Continuously Welded And Filled Vertical Edge Seam, Add	131.99	
For Steel Stiffened, Add	263.99	
08 13 13 13-0082 EA 4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,330.78	81.84
For 14 Gauge, Level 4 Maximum Duty, Add	466.84	
For Galvanized Steel Door, Add	233.42	
For Type 304 Stainless Steel Door, Add	933.68	
For Type 316 Stainless Steel Door, Add	1,517.23	
For Embossed Panel Door, Add	280.10	
For Baked Enamel Finish, Add	374.68	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-70.63	
For >100, Deduct	-103.90	
For 2" Thick Door, Add	88.71	
For Polystyrene Core, Add	116.71	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	291.78	
For Continuously Welded And Filled Vertical Edge Seam, Add	145.89	
For Steel Stiffened, Add	291.78	
08 13 13 13-0083 7' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0072)		
08 13 13 13-0084 EA 2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,067.27	66.68
For 14 Gauge, Level 4 Maximum Duty, Add	373.56	
For Galvanized Steel Door, Add	186.78	
For Type 304 Stainless Steel Door, Add	747.12	
For Type 316 Stainless Steel Door, Add	1,214.07	
For Embossed Panel Door, Add	224.14	
For Baked Enamel Finish, Add	300.18	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-56.70	
For >100, Deduct	-83.38	
For 2" Thick Door, Add	71.04	
For Polystyrene Core, Add	93.39	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	233.48	
For Continuously Welded And Filled Vertical Edge Seam, Add	116.74	
For Steel Stiffened, Add	233.48	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0085	EA	2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door <i>For 14 Gauge, Level 4 Maximum Duty, Add</i> <i>For Galvanized Steel Door, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel Door, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minute Fire Rated Door, Add</i> <i>For 45 Minute Fire Rated Door, Add</i> <i>For 60 Minute Fire Rated Door, Add</i> <i>For 90 Minute Fire Rated Door, Add</i> <i>For 3 Hour Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Polystyrene Core, Add</i> <i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Continuously Welded And Filled Vertical Edge Seam, Add</i> <i>For Steel Stiffened, Add</i>	1,067.27 373.56 186.78 747.12 1,214.07 224.14 300.18 27.63 41.40 55.27 93.38 131.50 -56.70 -83.38 71.04 93.39 233.48 116.74 233.48	66.68
08 13 13	13-0086	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door <i>For 14 Gauge, Level 4 Maximum Duty, Add</i> <i>For Galvanized Steel Door, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel Door, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minute Fire Rated Door, Add</i> <i>For 45 Minute Fire Rated Door, Add</i> <i>For 60 Minute Fire Rated Door, Add</i> <i>For 90 Minute Fire Rated Door, Add</i> <i>For 3 Hour Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Polystyrene Core, Add</i> <i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Continuously Welded And Filled Vertical Edge Seam, Add</i> <i>For Steel Stiffened, Add</i>	1,092.43 381.20 190.60 762.40 1,238.90 228.72 306.81 27.63 41.40 55.27 93.38 131.50 -58.11 -85.42 72.58 95.30 238.25 119.13 238.25	69.71
08 13 13	13-0087	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door <i>For 14 Gauge, Level 4 Maximum Duty, Add</i> <i>For Galvanized Steel Door, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel Door, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minute Fire Rated Door, Add</i> <i>For 45 Minute Fire Rated Door, Add</i> <i>For 60 Minute Fire Rated Door, Add</i> <i>For 90 Minute Fire Rated Door, Add</i> <i>For 3 Hour Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Polystyrene Core, Add</i> <i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Continuously Welded And Filled Vertical Edge Seam, Add</i> <i>For Steel Stiffened, Add</i>	1,106.65 386.89 193.44 773.78 1,257.39 232.13 311.08 27.63 41.40 55.27 93.38 131.50 -58.82 -86.48 73.61 96.72 241.81 120.90 241.81	69.71
08 13 13	13-0088	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door <i>For 14 Gauge, Level 4 Maximum Duty, Add</i> <i>For Galvanized Steel Door, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel Door, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minute Fire Rated Door, Add</i> <i>For 45 Minute Fire Rated Door, Add</i> <i>For 60 Minute Fire Rated Door, Add</i> <i>For 90 Minute Fire Rated Door, Add</i> <i>For 3 Hour Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Polystyrene Core, Add</i> <i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Continuously Welded And Filled Vertical Edge Seam, Add</i> <i>For Steel Stiffened, Add</i>	1,115.37 389.16 194.58 778.33 1,264.78 233.50 313.24 27.63 41.40 55.27 93.38 131.50 -59.33 -87.21 74.10 97.29 243.23 121.61 243.23	71.23



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0089 EA 3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,124.09	72.75
For 14 Gauge, Level 4 Maximum Duty, Add	391.44	
For Galvanized Steel Door, Add	195.72	
For Type 304 Stainless Steel Door, Add	782.88	
For Type 316 Stainless Steel Door, Add	1,272.18	
For Embossed Panel Door, Add	234.86	
For Baked Enamel Finish, Add	315.40	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-59.84	
For >100, Deduct	-87.94	
For 2" Thick Door, Add	74.59	
For Polystyrene Core, Add	97.86	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	244.65	
For Continuously Welded And Filled Vertical Edge Seam, Add	122.33	
For Steel Stiffened, Add	244.65	
08 13 13 13-0090 EA 3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,198.05	72.75
For 14 Gauge, Level 4 Maximum Duty, Add	421.02	
For Galvanized Steel Door, Add	210.51	
For Type 304 Stainless Steel Door, Add	842.05	
For Type 316 Stainless Steel Door, Add	1,368.33	
For Embossed Panel Door, Add	252.61	
For Baked Enamel Finish, Add	337.59	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-63.54	
For >100, Deduct	-93.49	
For 2" Thick Door, Add	79.95	
For Polystyrene Core, Add	105.26	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	263.14	
For Continuously Welded And Filled Vertical Edge Seam, Add	131.57	
For Steel Stiffened, Add	263.14	
08 13 13 13-0091 EA 3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,232.56	75.78
For 14 Gauge, Level 4 Maximum Duty, Add	432.40	
For Galvanized Steel Door, Add	216.20	
For Type 304 Stainless Steel Door, Add	864.81	
For Type 316 Stainless Steel Door, Add	1,405.31	
For Embossed Panel Door, Add	259.44	
For Baked Enamel Finish, Add	347.04	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-65.42	
For >100, Deduct	-96.23	
For 2" Thick Door, Add	82.16	
For Polystyrene Core, Add	108.10	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	270.25	
For Continuously Welded And Filled Vertical Edge Seam, Add	135.13	
For Steel Stiffened, Add	270.25	
08 13 13 13-0092 EA 4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,358.48	81.84
For 14 Gauge, Level 4 Maximum Duty, Add	477.92	
For Galvanized Steel Door, Add	238.96	
For Type 304 Stainless Steel Door, Add	955.84	
For Type 316 Stainless Steel Door, Add	1,553.24	
For Embossed Panel Door, Add	286.75	
For Baked Enamel Finish, Add	382.99	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-72.02	
For >100, Deduct	-105.98	
For 2" Thick Door, Add	90.72	
For Polystyrene Core, Add	119.48	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	298.70	
For Continuously Welded And Filled Vertical Edge Seam, Add	149.35	
For Steel Stiffened, Add	298.70	
08 13 13 13-0093 7'-2" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0072)</small>		

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13-0094	EA		2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....1,088.92		66.68
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	382.22	
			<i>For Galvanized Steel Door, Add</i>	191.11	
			<i>For Type 304 Stainless Steel Door, Add</i>	764.44	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,242.22	
			<i>For Embossed Panel Door, Add</i>	229.33	
			<i>For Baked Enamel Finish, Add</i>	306.67	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-57.78	
			<i>For >100, Deduct</i>	-85.00	
			<i>For 2" Thick Door, Add</i>	72.61	
			<i>For Polystyrene Core, Add</i>	95.56	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	238.89	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	119.44	
			<i>For Steel Stiffened, Add</i>	238.89	
08 13 13-0095	EA		2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....1,088.92		66.68
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	382.22	
			<i>For Galvanized Steel Door, Add</i>	191.11	
			<i>For Type 304 Stainless Steel Door, Add</i>	764.44	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,242.22	
			<i>For Embossed Panel Door, Add</i>	229.33	
			<i>For Baked Enamel Finish, Add</i>	306.67	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-57.78	
			<i>For >100, Deduct</i>	-85.00	
			<i>For 2" Thick Door, Add</i>	72.61	
			<i>For Polystyrene Core, Add</i>	95.56	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	238.89	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	119.44	
			<i>For Steel Stiffened, Add</i>	238.89	
08 13 13-0096	EA		2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....1,114.52		69.71
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	390.04	
			<i>For Galvanized Steel Door, Add</i>	195.02	
			<i>For Type 304 Stainless Steel Door, Add</i>	780.07	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,267.62	
			<i>For Embossed Panel Door, Add</i>	234.02	
			<i>For Baked Enamel Finish, Add</i>	313.44	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-59.21	
			<i>For >100, Deduct</i>	-87.07	
			<i>For 2" Thick Door, Add</i>	74.18	
			<i>For Polystyrene Core, Add</i>	97.51	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	243.77	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	121.89	
			<i>For Steel Stiffened, Add</i>	243.77	
08 13 13-0097	EA		2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....1,129.07		69.71
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	395.86	
			<i>For Galvanized Steel Door, Add</i>	197.93	
			<i>For Type 304 Stainless Steel Door, Add</i>	791.71	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,286.53	
			<i>For Embossed Panel Door, Add</i>	237.51	
			<i>For Baked Enamel Finish, Add</i>	317.81	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-59.94	
			<i>For >100, Deduct</i>	-88.17	
			<i>For 2" Thick Door, Add</i>	75.23	
			<i>For Polystyrene Core, Add</i>	98.96	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	247.41	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	123.71	
			<i>For Steel Stiffened, Add</i>	247.41	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0098 EA 2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,137.94	71.23
For 14 Gauge, Level 4 Maximum Duty, Add	398.19	
For Galvanized Steel Door, Add	199.10	
For Type 304 Stainless Steel Door, Add	796.38	
For Type 316 Stainless Steel Door, Add	1,294.12	
For Embossed Panel Door, Add	238.92	
For Baked Enamel Finish, Add	320.01	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-60.46	
For >100, Deduct	-88.91	
For 2" Thick Door, Add	75.73	
For Polystyrene Core, Add	99.55	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	248.87	
For Continuously Welded And Filled Vertical Edge Seam, Add	124.44	
For Steel Stiffened, Add	248.87	
08 13 13 13-0099 EA 3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,146.77	72.75
For 14 Gauge, Level 4 Maximum Duty, Add	400.51	
For Galvanized Steel Door, Add	200.26	
For Type 304 Stainless Steel Door, Add	801.02	
For Type 316 Stainless Steel Door, Add	1,301.66	
For Embossed Panel Door, Add	240.31	
For Baked Enamel Finish, Add	322.21	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-60.98	
For >100, Deduct	-89.65	
For 2" Thick Door, Add	76.23	
For Polystyrene Core, Add	100.13	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	250.32	
For Continuously Welded And Filled Vertical Edge Seam, Add	125.16	
For Steel Stiffened, Add	250.32	
08 13 13 13-0100 EA 3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,222.46	72.75
For 14 Gauge, Level 4 Maximum Duty, Add	430.79	
For Galvanized Steel Door, Add	215.39	
For Type 304 Stainless Steel Door, Add	861.58	
For Type 316 Stainless Steel Door, Add	1,400.06	
For Embossed Panel Door, Add	258.47	
For Baked Enamel Finish, Add	344.91	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-64.76	
For >100, Deduct	-95.32	
For 2" Thick Door, Add	81.72	
For Polystyrene Core, Add	107.70	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	269.24	
For Continuously Welded And Filled Vertical Edge Seam, Add	134.62	
For Steel Stiffened, Add	269.24	
08 13 13 13-0101 EA 3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,257.62	75.78
For 14 Gauge, Level 4 Maximum Duty, Add	442.43	
For Galvanized Steel Door, Add	221.21	
For Type 304 Stainless Steel Door, Add	884.86	
For Type 316 Stainless Steel Door, Add	1,437.89	
For Embossed Panel Door, Add	265.46	
For Baked Enamel Finish, Add	354.55	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-66.67	
For >100, Deduct	-98.11	
For 2" Thick Door, Add	83.98	
For Polystyrene Core, Add	110.61	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	276.52	
For Continuously Welded And Filled Vertical Edge Seam, Add	138.26	
For Steel Stiffened, Add	276.52	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0102	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door For 14 Gauge, Level 4 Maximum Duty, Add For Galvanized Steel Door, Add For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel Door, Add For Baked Enamel Finish, Add For 20 Minute Fire Rated Door, Add For 45 Minute Fire Rated Door, Add For 60 Minute Fire Rated Door, Add For 90 Minute Fire Rated Door, Add For 3 Hour Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct For 2" Thick Door, Add For Polystyrene Core, Add For Mineral Core, 250 Degree Maximum Temperature Rise, Add For Continuously Welded And Filled Vertical Edge Seam, Add For Steel Stiffened, Add	1,386.18 489.00 244.50 978.00 1,589.25 293.40 391.30 27.63 41.40 55.27 93.38 131.50 -73.40 -108.06 92.72 122.25 305.63 152.81 305.63	81.84
08 13 13	13-0103		8' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0072)</small>		
08 13 13	13-0104	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door..... For Up To 1' Extra Height, Add For 14 Gauge, Level 4 Maximum Duty, Add For Galvanized Steel Door, Add For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel Door, Add For Baked Enamel Finish, Add For 20 Minute Fire Rated Door, Add For 45 Minute Fire Rated Door, Add For 60 Minute Fire Rated Door, Add For 90 Minute Fire Rated Door, Add For 3 Hour Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct For 2" Thick Door, Add For Polystyrene Core, Add For Mineral Core, 250 Degree Maximum Temperature Rise, Add For Continuously Welded And Filled Vertical Edge Seam, Add For Steel Stiffened, Add	1,267.50 313.81 453.65 226.83 907.30 1,474.37 272.19 360.24 27.63 41.40 55.27 93.38 131.50 -66.71 -98.40 85.56 113.41 283.53 141.77 283.53	66.68
08 13 13	13-0105	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door For Up To 1' Extra Height, Add For 14 Gauge, Level 4 Maximum Duty, Add For Galvanized Steel Door, Add For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel Door, Add For Baked Enamel Finish, Add For 20 Minute Fire Rated Door, Add For 45 Minute Fire Rated Door, Add For 60 Minute Fire Rated Door, Add For 90 Minute Fire Rated Door, Add For 3 Hour Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct For 2" Thick Door, Add For Polystyrene Core, Add For Mineral Core, 250 Degree Maximum Temperature Rise, Add For Continuously Welded And Filled Vertical Edge Seam, Add For Steel Stiffened, Add	1,267.50 313.81 453.65 226.83 907.30 1,474.37 272.19 360.24 27.63 41.40 55.27 93.38 131.50 -66.71 -98.40 85.56 113.41 283.53 141.77 283.53	66.68
08 13 13	13-0106	EA	2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door For Up To 1' Extra Height, Add For 14 Gauge, Level 4 Maximum Duty, Add For Galvanized Steel Door, Add For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel Door, Add For Baked Enamel Finish, Add For 20 Minute Fire Rated Door, Add For 45 Minute Fire Rated Door, Add For 60 Minute Fire Rated Door, Add For 90 Minute Fire Rated Door, Add For 3 Hour Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct For 2" Thick Door, Add For Polystyrene Core, Add For Mineral Core, 250 Degree Maximum Temperature Rise, Add For Continuously Welded And Filled Vertical Edge Seam, Add For Steel Stiffened, Add	1,296.76 320.23 462.93 231.47 925.86 1,504.53 277.76 368.11 27.63 41.40 55.27 93.38 131.50 -68.32 -100.74 87.39 115.73 289.33 144.67 289.33	69.71



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0107 EA 2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,314.04	69.71
For Up To 1' Extra Height, Add	325.01	
For 14 Gauge, Level 4 Maximum Duty, Add	469.84	
For Galvanized Steel Door, Add	234.92	
For Type 304 Stainless Steel Door, Add	939.69	
For Type 316 Stainless Steel Door, Add	1,526.99	
For Embossed Panel Door, Add	281.91	
For Baked Enamel Finish, Add	373.30	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-69.19	
For >100, Deduct	-102.04	
For 2" Thick Door, Add	88.64	
For Polystyrene Core, Add	117.46	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	293.65	
For Continuously Welded And Filled Vertical Edge Seam, Add	146.83	
For Steel Stiffened, Add	293.65	
08 13 13 13-0108 EA 2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,323.97	71.23
For Up To 1' Extra Height, Add	326.92	
For 14 Gauge, Level 4 Maximum Duty, Add	472.60	
For Galvanized Steel Door, Add	236.30	
For Type 304 Stainless Steel Door, Add	945.21	
For Type 316 Stainless Steel Door, Add	1,535.96	
For Embossed Panel Door, Add	283.56	
For Baked Enamel Finish, Add	375.82	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-69.76	
For >100, Deduct	-102.86	
For 2" Thick Door, Add	89.22	
For Polystyrene Core, Add	118.15	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	295.38	
For Continuously Welded And Filled Vertical Edge Seam, Add	147.69	
For Steel Stiffened, Add	295.38	
08 13 13 13-0109 EA 3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,333.91	72.75
For Up To 1' Extra Height, Add	328.84	
For 14 Gauge, Level 4 Maximum Duty, Add	475.37	
For Galvanized Steel Door, Add	237.68	
For Type 304 Stainless Steel Door, Add	950.74	
For Type 316 Stainless Steel Door, Add	1,544.95	
For Embossed Panel Door, Add	285.22	
For Baked Enamel Finish, Add	378.35	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-70.33	
For >100, Deduct	-103.68	
For 2" Thick Door, Add	89.80	
For Polystyrene Core, Add	118.84	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	297.11	
For Continuously Welded And Filled Vertical Edge Seam, Add	148.55	
For Steel Stiffened, Add	297.11	
08 13 13 13-0110 EA 3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,423.73	72.75
For Up To 1' Extra Height, Add	353.69	
For 14 Gauge, Level 4 Maximum Duty, Add	511.30	
For Galvanized Steel Door, Add	255.65	
For Type 304 Stainless Steel Door, Add	1,022.59	
For Type 316 Stainless Steel Door, Add	1,661.71	
For Embossed Panel Door, Add	306.78	
For Baked Enamel Finish, Add	405.30	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-74.82	
For >100, Deduct	-110.42	
For 2" Thick Door, Add	96.31	
For Polystyrene Core, Add	127.82	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	319.56	
For Continuously Welded And Filled Vertical Edge Seam, Add	159.78	
For Steel Stiffened, Add	319.56	

08	08	Openings
	08 10	Doors and Frames
	08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0111	EA	3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door <i>For Up To 1' Extra Height, Add</i> <i>For 1' To 1'-6" Extra Height, Add</i> <i>For 14 Gauge, Level 4 Maximum Duty, Add</i> <i>For Galvanized Steel Door, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel Door, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minute Fire Rated Door, Add</i> <i>For 45 Minute Fire Rated Door, Add</i> <i>For 60 Minute Fire Rated Door, Add</i> <i>For 90 Minute Fire Rated Door, Add</i> <i>For 3 Hour Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Polystyrene Core, Add</i> <i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Continuously Welded And Filled Vertical Edge Seam, Add</i> <i>For Steel Stiffened, Add</i>	1,464.34 363.25 693.02 525.12 262.56 1,050.23 1,706.63 315.07 416.57 27.63 41.40 55.27 93.38 131.50 -77.01 -113.61 98.97 131.28 328.20 164.10 328.20	75.78
08 13 13	13-0112	EA	4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door <i>For Up To 1' Extra Height, Add</i> <i>For 1' To 1'-6" Extra Height, Add</i> <i>For 14 Gauge, Level 4 Maximum Duty, Add</i> <i>For Galvanized Steel Door, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel Door, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minute Fire Rated Door, Add</i> <i>For 45 Minute Fire Rated Door, Add</i> <i>For 60 Minute Fire Rated Door, Add</i> <i>For 90 Minute Fire Rated Door, Add</i> <i>For 3 Hour Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Polystyrene Core, Add</i> <i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Continuously Welded And Filled Vertical Edge Seam, Add</i> <i>For Steel Stiffened, Add</i>	1,614.66 401.49 765.97 580.39 290.20 1,160.78 1,886.27 348.24 459.85 27.63 41.40 55.27 93.38 131.50 -84.83 -125.19 109.29 145.10 362.75 181.37 362.75	81.84
08 13 13 53 Custom Hollow Metal Doors <small>(08 13 13)</small>					
08 13 13	53-0001		Steel 18 Gauge 1-3/4" Unrated Door <small>(08 13 13 53)</small>		
08 13 13	53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door <i>For 16 Gauge Door, Add</i>	2,324.95 20.30	151.55
08 13 13	53-0003	EA	2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door <i>For 16 Gauge Door, Add</i>	2,433.88 20.30	181.86
08 13 73 Sliding Metal Doors <small>(08 13)</small>					
08 13 73	00-0001		Sliding Bypass Mirror Doors <small>(08 13 73)</small> Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.		
08 13 73	00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors	473.54	90.94
08 13 73	00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors	536.40	97.00
08 13 73	00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors	599.26	103.05
08 13 73	00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors	712.83	109.12
08 30 Specialty Doors and Frames <small>(08)</small> Note: Includes caulk, sealant and mounting anchors.					
08 31 Access Doors and Panels <small>(08 30)</small> See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.					
08 31 13 Access Doors and Frames <small>(08 31)</small>					
08 31 13	00-0001		Stainless Steel Access Doors <small>(08 31 13)</small>		
08 31 13	00-0002		Fire Rated Stainless Steel Access Doors <small>(08 31 13 00-0001)</small>		
08 31 13	00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	415.98	71.36
08 31 13	00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	480.94	76.02
08 31 13	00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	557.87	80.41
08 31 13	00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	640.25	84.49
08 31 13	00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	654.28	84.92
08 31 13	00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	845.23	87.56
08 31 13	00-0009		Stainless Steel Access Doors <small>(08 31 13 00-0001)</small>		
08 31 13	00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch	184.17	54.72
08 31 13	00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch	216.14	71.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0012 EA 12" x 18" Stainless Steel Access Door With Cam Latch	295.90	76.02
08 31 13 00-0013 EA 18" x 18" Stainless Steel Access Door With Cam Latch	317.08	80.41
08 31 13 00-0014 EA 24" x 18" Stainless Steel Access Door With Cam Latch	364.01	84.49
08 31 13 00-0015 EA 24" x 24" Stainless Steel Access Door With Cam Latch	409.60	84.92
08 31 13 00-0016 Steel Access Doors <small>(08 31 13)</small>		
Note: Includes paintable powder coated finish.		
08 31 13 00-0017 Insulated Fire Rated Steel Access Doors <small>(08 31 13 00-0016)</small>		
08 31 13 00-0018 EA 12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch.....	287.20	71.80
08 31 13 00-0019 EA 12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	350.64	76.02
08 31 13 00-0020 EA 18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	352.13	80.41
08 31 13 00-0021 EA 24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	414.17	84.92
08 31 13 00-0022 EA 24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch.....	431.45	84.92
08 31 13 00-0023 EA 24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	566.81	87.56
08 31 13 00-0024 EA 24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	649.00	91.20
08 31 13 00-0025 EA 36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	792.04	91.20
08 31 13 00-0026 EA 48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	1,012.81	109.44
08 31 13 00-0027 Steel Access Doors <small>(08 31 13 00-0016)</small>		
08 31 13 00-0028 EA 8" x 8" Steel Access Door With Cam Latch.....	158.87	55.01
08 31 13 00-0029 EA 12" x 12" Steel Access Door With Cam Latch.....	170.06	71.80
08 31 13 00-0030 EA 12" x 18" Steel Access Door With Cam Latch.....	193.20	76.02
08 31 13 00-0031 EA 18" x 18" Steel Access Door With Cam Latch.....	199.49	80.41
08 31 13 00-0032 EA 24" x 18" Steel Access Door With Cam Latch.....	232.73	84.92
08 31 13 00-0033 EA 24" x 24" Steel Access Door With Cam Latch.....	237.50	84.92
08 31 13 00-0034 EA 24" x 36" Steel Access Door With Cam Latch.....	306.62	87.56
08 31 13 00-0035 EA 36" x 36" Steel Access Door With Cam Latch.....	393.46	91.20
08 31 13 00-0036 Steel Recessed Access Doors For Drywall Application <small>(08 31 13)</small>		
Note: Includes paintable powder coated finish.		
08 31 13 00-0037 EA 8" x 8" Recessed Steel Access Door With Cam Latch.....	216.00	54.72
<i>For Recessed Doors In Acoustical Tile, Add</i>		27.79
08 31 13 00-0038 EA 12" x 12" Recessed Steel Access Door With Cam Latch.....	226.70	58.66
<i>For Recessed Doors In Acoustical Tile, Add</i>		30.49
08 31 13 00-0039 EA 12" x 18" Recessed Steel Access Door With Cam Latch.....	243.19	62.01
<i>For Recessed Doors In Acoustical Tile, Add</i>		31.77
08 31 13 00-0040 EA 18" x 18" Recessed Steel Access Door With Cam Latch.....	282.05	65.66
<i>For Recessed Doors In Acoustical Tile, Add</i>		29.92
08 31 13 00-0041 EA 24" x 18" Recessed Steel Access Door With Cam Latch.....	296.87	69.31
<i>For Recessed Doors In Acoustical Tile, Add</i>		31.73
08 31 13 00-0042 EA 24" x 24" Recessed Steel Access Door With Cam Latch.....	322.01	69.31
<i>For Recessed Doors In Acoustical Tile, Add</i>		27.96
08 31 13 00-0043 EA 24" x 36" Recessed Steel Access Door With Cam Latch.....	401.66	87.56
<i>For Recessed Doors In Acoustical Tile, Add</i>		36.06
08 31 13 00-0044 EA 36" x 36" Recessed Steel Access Door With Cam Latch.....	558.22	91.20
<i>For Recessed Doors In Acoustical Tile, Add</i>		16.59
08 31 13 00-0045 Steel Crawl Space Doors And Frames <small>(08 31 13)</small>		
Note: Includes paintable powder coated finish.		
08 31 13 00-0046 EA 24" x 24" Steel Crawl Space Door With Cam Latch.....	251.37	92.36
08 31 13 00-0047 EA 30" x 24" Steel Crawl Space Door With Cam Latch.....	347.04	111.93
08 31 13 00-0048 EA 30" x 30" Steel Crawl Space Door With Cam Latch.....	387.64	121.55
08 33 Coiling Doors and Grilles <small>(08 30)</small>		
08 33 13 Coiling Counter Doors <small>(08 33)</small>		
08 33 13 00-0001 Overhead Rolling Counter Doors <small>(08 33 13)</small>		
08 33 13 00-0002 Galvanized Steel Overhead Rolling Counter Doors <small>(08 33 13 00-0001)</small>		
Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0003 EA 4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	8,515.86	433.81
<i>For Motor Operator (With Safety Reverse), Add</i>		758.45
08 33 13 00-0004 EA 6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	8,966.24	433.81
<i>For Motor Operator (With Safety Reverse), Add</i>		758.45
08 33 13 00-0005 EA 8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	9,696.49	460.92
<i>For Motor Operator (With Safety Reverse), Add</i>		763.92
08 33 13 00-0006 EA 10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	10,356.58	542.26
<i>For Motor Operator (With Safety Reverse), Add</i>		784.89
08 33 13 00-0007 EA 4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	10,542.58	433.81
<i>For Motor Operator (With Safety Reverse), Add</i>		758.45
08 33 13 00-0008 EA 6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	11,000.86	481.96
<i>For Motor Operator (With Safety Reverse), Add</i>		770.50
08 33 13 00-0009 EA 8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	11,274.25	501.27
<i>For Motor Operator (With Safety Reverse), Add</i>		775.32

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0010	EA		10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) <i>For Motor Operator (With Safety Reverse), Add</i>	11,939.66 785.56	542.26
08 33 13 00-0011			Stainless Steel Overhead Rolling Counter Doors <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0012	EA		4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,641.82 758.45	433.81
08 33 13 00-0013	EA		6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,880.37 758.45	433.81
08 33 13 00-0014	EA		8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,160.23 763.92	460.92
08 33 13 00-0015	EA		10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	13,621.86 784.89	542.26
08 33 13 00-0016	EA		4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,668.54 758.45	433.81
08 33 13 00-0017	EA		6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	12,014.23 770.50	481.96
08 33 13 00-0018	EA		8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	12,287.62 775.32	501.27
08 33 13 00-0019	EA		10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	15,767.93 785.56	542.26
08 33 13 00-0020			Aluminum Overhead Rolling Counter Doors <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0021	EA		4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	9,416.62 758.45	433.81
08 33 13 00-0022	EA		6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	9,867.01 758.45	433.81
08 33 13 00-0023	EA		8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	11,047.64 763.92	460.92
08 33 13 00-0024	EA		10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	13,058.88 784.89	542.26
08 33 13 00-0025	EA		4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	11,443.35 758.45	433.81
08 33 13 00-0026	EA		6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	11,901.63 770.50	481.96
08 33 13 00-0027	EA		8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	12,231.32 775.32	501.27
08 33 13 00-0028	EA		10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	15,542.74 785.56	542.26
08 33 13 00-0029			Galvanized Steel Overhead Rolling Counter Fire Doors <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0030	EA		4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	11,218.16 758.45	433.81
08 33 13 00-0031	EA		6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	11,893.74 758.45	433.81
08 33 13 00-0032	EA		8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	12,849.17 763.92	460.92
08 33 13 00-0033	EA		10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	13,734.46 784.89	542.26
08 33 13 00-0034	EA		4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	12,569.31 758.45	433.81
08 33 13 00-0035	EA		6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	13,140.19 770.50	481.96
08 33 13 00-0036	EA		8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	13,638.77 775.32	501.27
08 33 13 00-0037	EA		10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	13,966.39 785.56	542.26
08 33 13 00-0038			Stainless Steel Overhead Rolling Counter Fire Doors <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0039	EA		4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	12,794.50 758.45	433.81
08 33 13 00-0040	EA		6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,596.04 758.45	433.81



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33	13 00-0041	EA	8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,875.90 763.92	460.92
	08 33	13 00-0042	EA	10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	18,238.30 784.89	542.26
	08 33	13 00-0043	EA	4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	13,920.46 758.45	433.81
	08 33	13 00-0044	EA	6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,378.74 770.50	481.96
	08 33	13 00-0045	EA	8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,877.33 775.32	501.27
	08 33	13 00-0046	EA	10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)..... <i>For Motor Operator (With Safety Reverse), Add</i>	18,470.23 785.56	542.26
	08 33	13 00-0047		Integral Frame And Sill, Overhead Rolling Counter Doors <small>(08 33 13)</small>		
	08 33	13 00-0048		Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
	08 33	13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	18,649.50 758.45	433.81
	08 33	13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	19,099.88 758.45	433.81
	08 33	13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	19,604.93 763.92	460.92
	08 33	13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	20,265.03 784.89	542.26
	08 33	13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	19,325.07 758.45	433.81
	08 33	13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	19,895.95 770.50	481.96
	08 33	13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	20,394.53 775.32	501.27
	08 33	13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)..... <i>For Motor Operator (With Safety Reverse), Add</i>	22,748.88 785.56	542.26
	08 33	13 00-0057		Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
	08 33	13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	16,397.58 758.45	433.81
	08 33	13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	16,847.96 758.45	433.81
	08 33	13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	17,353.01 763.92	460.92
	08 33	13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	18,013.11 784.89	542.26
	08 33	13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	18,424.30 758.45	433.81
	08 33	13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	18,995.18 770.50	481.96
	08 33	13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	19,718.95 775.32	501.27
	08 33	13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)..... <i>For Motor Operator (With Safety Reverse), Add</i>	20,271.77 785.56	542.26
	08 33	13 00-0066		Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0067 EA 4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	25,855.64 758.45	433.81
08 33 13 00-0068 EA 6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	28,107.56 758.45	433.81
08 33 13 00-0069 EA 8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	32,666.07 763.92	460.92
08 33 13 00-0070 EA 10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	35,127.70 784.89	542.26
08 33 13 00-0071 EA 4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	29,233.52 758.45	433.81
08 33 13 00-0072 EA 6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	31,605.93 770.50	481.96
08 33 13 00-0073 EA 8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	35,032.01 775.32	501.27
08 33 13 00-0074 EA 10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	39,638.28 785.56	542.26
08 33 13 00-0075 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0076 EA 4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) <i>For Motor Operator (With Safety Reverse), Add</i>	21,802.18 758.45	433.81
08 33 13 00-0077 EA 6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) <i>For Motor Operator (With Safety Reverse), Add</i>	22,252.57 758.45	433.81
08 33 13 00-0078 EA 8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) <i>For Motor Operator (With Safety Reverse), Add</i>	23,208.01 763.92	460.92
08 33 13 00-0079 EA 10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) <i>For Motor Operator (With Safety Reverse), Add</i>	24,994.06 784.89	542.26
08 33 13 00-0080 EA 4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) <i>For Motor Operator (With Safety Reverse), Add</i>	23,153.34 758.45	433.81
08 33 13 00-0081 EA 6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) <i>For Motor Operator (With Safety Reverse), Add</i>	24,624.98 770.50	481.96
08 33 13 00-0082 EA 8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) <i>For Motor Operator (With Safety Reverse), Add</i>	26,024.33 775.32	501.27
08 33 13 00-0083 EA 10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) <i>For Motor Operator (With Safety Reverse), Add</i>	30,630.60 785.56	542.26
08 33 13 00-0084 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0085 EA 4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) <i>For Motor Operator (With Safety Reverse), Add</i>	31,485.44 758.45	433.81
08 33 13 00-0086 EA 6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) <i>For Motor Operator (With Safety Reverse), Add</i>	32,611.40 758.45	433.81
08 33 13 00-0087 EA 8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) <i>For Motor Operator (With Safety Reverse), Add</i>	37,169.91 763.92	460.92
08 33 13 00-0088 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0089 EA 4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) <i>For Motor Operator (With Safety Reverse), Add</i>	23,603.72 758.45	433.81



Openings	08	08
Specialty Doors and Frames	08 30	
Coiling Doors and Grilles	08 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0090 EA 6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661).....	32,611.40	433.81
<i>For Motor Operator (With Safety Reverse), Add</i>	758.45	
08 33 13 00-0091 EA 8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661).....	37,169.91	460.92
<i>For Motor Operator (With Safety Reverse), Add</i>	763.92	
08 33 13 00-0092 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood <small>(08 33 13 00-0047)</small>		
Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0093 EA 4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662).....	20,451.03	433.81
<i>For Motor Operator (With Safety Reverse), Add</i>	758.45	
08 33 13 00-0094 EA 6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662).....	23,153.34	433.81
<i>For Motor Operator (With Safety Reverse), Add</i>	758.45	
08 33 13 00-0095 EA 8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662).....	24,784.35	460.92
<i>For Motor Operator (With Safety Reverse), Add</i>	763.92	
08 33 13 00-0096 EA 10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662).....	27,245.98	542.26
<i>For Motor Operator (With Safety Reverse), Add</i>	784.89	
08 33 16 Coiling Counter Grilles <small>(08 33)</small>		
08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) <small>(08 33 16)</small>		
08 33 16 00-0002 EA 4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,022.38	189.79
<i>For Lexan Lattice Pattern, Add</i>	222.02	
<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	97.89	
<i>For Staggered Brick Pattern, Add</i>	174.28	
08 33 16 00-0003 EA 6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,211.67	189.79
<i>For Lexan Lattice Pattern, Add</i>	250.41	
<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	134.71	
<i>For Staggered Brick Pattern, Add</i>	236.43	
08 33 16 00-0004 EA 8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,583.48	253.02
<i>For Lexan Lattice Pattern, Add</i>	279.07	
<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	171.54	
<i>For Staggered Brick Pattern, Add</i>	298.58	
08 33 16 00-0005 EA 12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,039.02	253.02
<i>For Lexan Lattice Pattern, Add</i>	347.40	
<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	245.18	
<i>For Staggered Brick Pattern, Add</i>	422.88	
08 33 16 00-0006 EA 16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,146.82	379.58
<i>For Lexan Lattice Pattern, Add</i>	459.35	
<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	367.30	
<i>For Staggered Brick Pattern, Add</i>	557.61	
08 33 16 00-0007 EA 18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,699.98	433.81
<i>For Lexan Lattice Pattern, Add</i>	515.32	
<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	367.30	
<i>For Staggered Brick Pattern, Add</i>	557.61	
08 33 16 00-0008 EA 20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,254.60	505.93
<i>For Lexan Lattice Pattern, Add</i>	571.29	
<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	489.42	
<i>For Staggered Brick Pattern, Add</i>	692.35	
08 33 16 00-0009 EA 24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	6,538.62	607.33
<i>For Lexan Lattice Pattern, Add</i>	720.09	
<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	587.31	
<i>For Staggered Brick Pattern, Add</i>	715.93	
08 33 16 00-0010 EA 30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	8,036.95	759.16
<i>For Lexan Lattice Pattern, Add</i>	880.19	
<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	687.42	
<i>For Staggered Brick Pattern, Add</i>	821.81	
08 33 16 00-0011 EA 4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,166.87	189.79
<i>For Lexan Lattice Pattern, Add</i>	243.69	
<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	146.82	
<i>For Staggered Brick Pattern, Add</i>	202.48	
08 33 16 00-0012 EA 6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,438.74	189.79
<i>For Lexan Lattice Pattern, Add</i>	284.47	
<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	220.21	
<i>For Staggered Brick Pattern, Add</i>	275.37	
08 33 16 00-0013 EA 8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,779.86	253.13
<i>For Lexan Lattice Pattern, Add</i>	308.53	
<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	293.59	
<i>For Staggered Brick Pattern, Add</i>	348.27	
08 33 16 00-0014 EA 12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,304.73	253.13
<i>For Lexan Lattice Pattern, Add</i>	387.26	
<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	440.48	
<i>For Staggered Brick Pattern, Add</i>	494.05	

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0015 EA 16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,519.51	379.58
For Lexan Lattice Pattern, Add	515.25	
For Aluminum With Clear Or Anodized Bronze Finish, Add	587.31	
For Staggered Brick Pattern, Add	680.12	
08 33 16 00-0016 EA 18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,126.16	433.81
For Lexan Lattice Pattern, Add	579.24	
For Aluminum With Clear Or Anodized Bronze Finish, Add	587.31	
For Staggered Brick Pattern, Add	680.12	
08 33 16 00-0017 EA 20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,730.41	505.93
For Lexan Lattice Pattern, Add	643.24	
For Aluminum With Clear Or Anodized Bronze Finish, Add	734.14	
For Staggered Brick Pattern, Add	866.20	
08 33 16 00-0018 EA 24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	7,160.22	607.33
For Lexan Lattice Pattern, Add	813.33	
For Aluminum With Clear Or Anodized Bronze Finish, Add	880.96	
For Staggered Brick Pattern, Add	998.55	
08 33 16 00-0019 EA 30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	8,656.06	759.16
For Lexan Lattice Pattern, Add	973.05	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,025.67	
For Staggered Brick Pattern, Add	1,119.44	

08 33 23 Overhead Coiling Doors (08 33)

Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.
Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0951 for forklift.

08 33 23 11 Overhead Coiling Doors (08 33 23)

Note: Excludes lifting equipment (forklift or scissor lift) where required.

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23 11)

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

08 33 23 11-0003 EA 4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,262.46	567.89
08 33 23 11-0004 EA 4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,346.71	601.29
08 33 23 11-0005 EA 5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,344.67	601.29
08 33 23 11-0006 EA 5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,431.60	634.69
08 33 23 11-0007 EA 6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,460.30	651.43
08 33 23 11-0008 EA 6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,580.40	701.51
08 33 23 11-0009 EA 6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,674.94	734.91
08 33 23 11-0010 EA 8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,654.80	734.91
08 33 23 11-0011 EA 8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,702.79	751.62
08 33 23 11-0012 EA 8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,757.27	768.32
08 33 23 11-0013 EA 8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,864.82	801.72
08 33 23 11-0014 EA 10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,754.46	768.32
08 33 23 11-0015 EA 10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,851.42	801.72
08 33 23 11-0016 EA 10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,958.45	835.12
08 33 23 11-0017 EA 10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,046.04	868.54

08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

Note: With curtain hood (barrel cover).

08 33 23 11-0019 EA 8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,652.64	845.15
For Insulated, Add	848.53	
08 33 23 11-0020 EA 8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,724.38	864.37
For Insulated, Add	876.36	
08 33 23 11-0021 EA 8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,937.14	921.98
For Insulated, Add	958.18	
08 33 23 11-0022 EA 8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,115.45	960.40
For Insulated, Add	1,040.05	
08 33 23 11-0023 EA 10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,822.35	883.57
For Insulated, Add	923.95	
08 33 23 11-0024 EA 10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,051.87	960.40
For Insulated, Add	992.36	
08 33 23 11-0025 EA 10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,204.56	998.82
For Insulated, Add	1,055.02	
08 33 23 11-0026 EA 10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,390.72	1,037.23
For Insulated, Add	1,142.78	
08 33 23 11-0027 EA 12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,998.57	921.98
For Insulated, Add	1,004.25	
08 33 23 11-0028 EA 12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,163.29	960.40
For Insulated, Add	1,075.93	
08 33 23 11-0029 EA 12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,404.84	1,037.23
For Insulated, Add	1,153.37	
08 33 23 11-0030 EA 12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,631.35	1,070.63
For Insulated, Add	1,278.16	
08 33 23 11-0031 EA 14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,748.34	1,137.45
For Insulated, Add	1,275.70	
08 33 23 11-0032 EA 14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,064.89	1,204.26
For Insulated, Add	1,422.92	
08 33 23 11-0033 EA 14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,392.53	1,271.06
For Insulated, Add	1,578.46	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0034				22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)		
				Note: With curtain hood (barrel cover).		
08 33 23 11-0035	EA			4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,350.46	760.63
				<i>For Insulated, Add</i>	735.99	
08 33 23 11-0036	EA			4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,517.97	802.90
				<i>For Insulated, Add</i>	804.52	
08 33 23 11-0037	EA			4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,639.53	836.30
				<i>For Insulated, Add</i>	850.60	
08 33 23 11-0038	EA			6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,696.81	887.41
				<i>For Insulated, Add</i>	824.56	
08 33 23 11-0039	EA			6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,958.03	971.93
				<i>For Insulated, Add</i>	906.38	
08 33 23 11-0040	EA			6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,109.56	1,005.33
				<i>For Insulated, Add</i>	974.93	
08 33 23 11-0041	EA			6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,437.09	1,038.74
				<i>For Insulated, Add</i>	1,175.48	
08 33 23 11-0042	EA			6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,798.05	1,088.85
				<i>For Insulated, Add</i>	1,378.56	
08 33 23 11-0043	EA			8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,921.16	950.79
				<i>For Insulated, Add</i>	907.32	
08 33 23 11-0044	EA			8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,149.91	1,014.18
				<i>For Insulated, Add</i>	993.29	
08 33 23 11-0045	EA			8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,327.24	1,056.44
				<i>For Insulated, Add</i>	1,069.20	
08 33 23 11-0046	EA			8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,643.13	1,089.85
				<i>For Insulated, Add</i>	1,261.01	
08 33 23 11-0047	EA			8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,992.40	1,139.96
				<i>For Insulated, Add</i>	1,455.32	
08 33 23 11-0048	EA			10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,429.70	1,098.70
				<i>For Insulated, Add</i>	1,089.04	
08 33 23 11-0049	EA			10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,651.67	1,140.96
				<i>For Insulated, Add</i>	1,198.42	
08 33 23 11-0050	EA			10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,045.95	1,207.77
				<i>For Insulated, Add</i>	1,403.94	
08 33 23 11-0051	EA			10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,507.05	1,307.99
				<i>For Insulated, Add</i>	1,614.47	
08 33 23 11-0052	EA			10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,003.57	1,441.60
				<i>For Insulated, Add</i>	1,806.48	
08 33 23 11-0053	EA			10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,566.92	1,608.63
				<i>For Insulated, Add</i>	2,003.50	
08 33 23 11-0054	EA			10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,197.07	1,809.06
				<i>For Insulated, Add</i>	2,205.53	
08 33 23 11-0055	EA			10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,893.05	2,042.90
				<i>For Insulated, Add</i>	2,411.84	
08 33 23 11-0056	EA			12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,660.88	1,140.96
				<i>For Insulated, Add</i>	1,205.33	
08 33 23 11-0057	EA			12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,876.87	1,177.70
				<i>For Insulated, Add</i>	1,317.72	
08 33 23 11-0058	EA			12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,355.68	1,244.52
				<i>For Insulated, Add</i>	1,586.63	
08 33 23 11-0059	EA			12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,901.29	1,344.73
				<i>For Insulated, Add</i>	1,860.55	
08 33 23 11-0060	EA			12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,465.83	1,478.35
				<i>For Insulated, Add</i>	2,103.56	
08 33 23 11-0061	EA			12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,097.16	1,645.38
				<i>For Insulated, Add</i>	2,351.57	
08 33 23 11-0062	EA			12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,795.31	1,845.81
				<i>For Insulated, Add</i>	2,604.60	
08 33 23 11-0063	EA			12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,627.06	2,113.05
				<i>For Insulated, Add</i>	2,867.64	
08 33 23 11-0064				20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)		
				Note: With curtain hood (barrel cover)		
08 33 23 11-0065	EA			14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,419.23	1,328.53
				<i>For Insulated, Add</i>	1,520.92	
08 33 23 11-0066	EA			14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,792.12	1,395.35
				<i>For Insulated, Add</i>	1,710.39	
08 33 23 11-0067	EA			14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,228.65	1,462.16
				<i>For Insulated, Add</i>	1,947.59	
08 33 23 11-0068	EA			14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,692.20	1,562.38
				<i>For Insulated, Add</i>	2,159.96	
08 33 23 11-0069	EA			14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,244.30	1,695.99
				<i>For Insulated, Add</i>	2,393.65	
08 33 23 11-0070	EA			14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,795.99	1,829.61
				<i>For Insulated, Add</i>	2,627.03	
08 33 23 11-0071	EA			14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,844.37	1,996.64
				<i>For Insulated, Add</i>	3,187.83	
08 33 23 11-0072	EA			14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,959.57	2,197.07
				<i>For Insulated, Add</i>	3,753.65	
08 33 23 11-0073	EA			16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,259.44	1,527.82
				<i>For Insulated, Add</i>	1,882.02	
08 33 23 11-0074	EA			16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,675.12	1,594.63
				<i>For Insulated, Add</i>	2,103.59	

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0075	EA		16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,052.09	1,661.44
			<i>For Insulated, Add</i>	2,296.12	
08 33 23 11-0076	EA		16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,507.06	1,761.65
			<i>For Insulated, Add</i>	2,502.06	
08 33 23 11-0077	EA		16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,061.11	1,895.28
			<i>For Insulated, Add</i>	2,737.21	
08 33 23 11-0078	EA		16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,676.12	2,028.90
			<i>For Insulated, Add</i>	3,018.08	
08 33 23 11-0079	EA		16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,575.70	2,195.92
			<i>For Insulated, Add</i>	3,467.28	
08 33 23 11-0080	EA		16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,547.96	2,396.35
			<i>For Insulated, Add</i>	3,925.89	
08 33 23 11-0081	EA		18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,745.26	1,718.80
			<i>For Insulated, Add</i>	1,988.53	
08 33 23 11-0082	EA		18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,123.79	1,785.61
			<i>For Insulated, Add</i>	2,182.23	
08 33 23 11-0083	EA		18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,722.07	1,885.83
			<i>For Insulated, Add</i>	2,495.65	
08 33 23 11-0084	EA		18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,312.21	2,019.45
			<i>For Insulated, Add</i>	2,757.86	
08 33 23 11-0085	EA		18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,972.15	2,186.48
			<i>For Insulated, Add</i>	3,027.34	
08 33 23 11-0086	EA		18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,699.31	2,386.91
			<i>For Insulated, Add</i>	3,302.12	
08 33 23 11-0087	EA		18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,841.68	2,620.74
			<i>For Insulated, Add</i>	3,843.22	
08 33 23 11-0088	EA		18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,068.71	2,887.99
			<i>For Insulated, Add</i>	4,402.72	
08 33 23 11-0089	EA		20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,577.84	1,976.63
			<i>For Insulated, Add</i>	2,264.90	
08 33 23 11-0090	EA		20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,243.99	2,043.43
			<i>For Insulated, Add</i>	2,674.31	
08 33 23 11-0091	EA		20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,290.36	2,416.76
			<i>For Insulated, Add</i>	2,955.18	
08 33 23 11-0092	EA		20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,026.93	2,516.97
			<i>For Insulated, Add</i>	3,372.32	
08 33 23 11-0093	EA		20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,924.42	2,650.59
			<i>For Insulated, Add</i>	3,865.05	
08 33 23 11-0094	EA		20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,911.23	2,784.22
			<i>For Insulated, Add</i>	4,424.77	
08 33 23 11-0095	EA		20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,969.04	2,951.24
			<i>For Insulated, Add</i>	4,992.65	
08 33 23 11-0096	EA		20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,108.44	3,151.67
			<i>For Insulated, Add</i>	5,576.62	
08 33 23 11-0097	EA		22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,356.28	2,339.92
			<i>For Insulated, Add</i>	2,358.35	
08 33 23 11-0098	EA		22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,125.61	2,440.15
			<i>For Insulated, Add</i>	2,800.05	
08 33 23 11-0099	EA		22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,232.97	2,658.42
			<i>For Insulated, Add</i>	3,335.82	
08 33 23 11-0100	EA		22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,164.47	2,758.64
			<i>For Insulated, Add</i>	3,899.15	
08 33 23 11-0101	EA		22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,165.59	2,892.26
			<i>For Insulated, Add</i>	4,469.61	
08 33 23 11-0102	EA		22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,255.71	3,025.88
			<i>For Insulated, Add</i>	5,106.80	
08 33 23 11-0103	EA		22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,415.56	3,192.91
			<i>For Insulated, Add</i>	5,751.21	
08 33 23 11-0104	EA		22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,636.29	3,393.34
			<i>For Insulated, Add</i>	6,396.17	
08 33 23 11-0105	EA		24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,103.48	2,573.91
			<i>For Insulated, Add</i>	2,602.80	
08 33 23 11-0106	EA		24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,625.98	2,640.72
			<i>For Insulated, Add</i>	2,904.48	
08 33 23 11-0107	EA		24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,686.92	2,707.52
			<i>For Insulated, Add</i>	3,609.99	
08 33 23 11-0108	EA		24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,715.53	2,807.74
			<i>For Insulated, Add</i>	4,246.16	
08 33 23 11-0109	EA		24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,774.51	2,941.37
			<i>For Insulated, Add</i>	4,860.01	
08 33 23 11-0110	EA		24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,921.81	3,074.98
			<i>For Insulated, Add</i>	5,540.09	
08 33 23 11-0111	EA		24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,333.71	3,258.71
			<i>For Insulated, Add</i>	6,350.98	
08 33 23 11-0112	EA		24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	15,775.41	3,442.44
			<i>For Insulated, Add</i>	7,184.22	
08 33 23 11-0113			18 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)		
			Note: With curtain hood (barrel cover).		
08 33 23 11-0114	EA		14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,683.55	1,328.53
			<i>For Insulated, Add</i>	1,719.16	
08 33 23 11-0115	EA		14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,092.34	1,395.35
			<i>For Insulated, Add</i>	1,935.55	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0116	EA			14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,574.30	1,462.16
				<i>For Insulated, Add</i>	2,206.83	
08 33 23 11-0117	EA			14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,077.32	1,562.38
				<i>For Insulated, Add</i>	2,448.80	
08 33 23 11-0118	EA			14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,672.15	1,695.99
				<i>For Insulated, Add</i>	2,714.54	
08 33 23 11-0119	EA			14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,266.51	1,829.61
				<i>For Insulated, Add</i>	2,979.92	
08 33 23 11-0120	EA			14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,422.04	1,996.64
				<i>For Insulated, Add</i>	3,621.09	
08 33 23 11-0121	EA			14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,644.39	2,197.07
				<i>For Insulated, Add</i>	4,267.26	
08 33 23 11-0122	EA			16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,590.00	1,527.82
				<i>For Insulated, Add</i>	2,129.94	
08 33 23 11-0123	EA			16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,048.00	1,594.63
				<i>For Insulated, Add</i>	2,383.25	
08 33 23 11-0124	EA			16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,461.47	1,661.44
				<i>For Insulated, Add</i>	2,603.16	
08 33 23 11-0125	EA			16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,954.62	1,761.65
				<i>For Insulated, Add</i>	2,837.73	
08 33 23 11-0126	EA			16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,551.69	1,895.28
				<i>For Insulated, Add</i>	3,105.15	
08 33 23 11-0127	EA			16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,218.87	2,028.90
				<i>For Insulated, Add</i>	3,425.14	
08 33 23 11-0128	EA			16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,203.28	2,195.92
				<i>For Insulated, Add</i>	3,937.96	
08 33 23 11-0129	EA			16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,261.24	2,396.35
				<i>For Insulated, Add</i>	4,460.85	
08 33 23 11-0130	EA			18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,091.40	1,718.80
				<i>For Insulated, Add</i>	2,248.14	
08 33 23 11-0131	EA			18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,506.67	1,785.61
				<i>For Insulated, Add</i>	2,469.39	
08 33 23 11-0132	EA			18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,164.62	1,885.83
				<i>For Insulated, Add</i>	2,827.56	
08 33 23 11-0133	EA			18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,803.20	2,019.45
				<i>For Insulated, Add</i>	3,126.10	
08 33 23 11-0134	EA			18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,512.02	2,186.48
				<i>For Insulated, Add</i>	3,432.24	
08 33 23 11-0135	EA			18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,288.12	2,386.91
				<i>For Insulated, Add</i>	3,743.73	
08 33 23 11-0136	EA			18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,531.70	2,620.74
				<i>For Insulated, Add</i>	4,360.74	
08 33 23 11-0137	EA			18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,862.61	2,887.99
				<i>For Insulated, Add</i>	4,998.14	
08 33 23 11-0138	EA			20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,971.52	1,976.63
				<i>For Insulated, Add</i>	2,560.16	
08 33 23 11-0139	EA			20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,717.55	2,043.43
				<i>For Insulated, Add</i>	3,029.48	
08 33 23 11-0140	EA			20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,674.45	2,416.76
				<i>For Insulated, Add</i>	3,243.25	
08 33 23 11-0141	EA			20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,470.60	2,516.97
				<i>For Insulated, Add</i>	3,705.07	
08 33 23 11-0142	EA			20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,438.11	2,650.59
				<i>For Insulated, Add</i>	4,250.32	
08 33 23 11-0143	EA			20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,504.88	2,784.22
				<i>For Insulated, Add</i>	4,870.00	
08 33 23 11-0144	EA			20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,643.11	2,951.24
				<i>For Insulated, Add</i>	5,498.20	
08 33 23 11-0145	EA			20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,864.57	3,151.67
				<i>For Insulated, Add</i>	6,143.71	
08 33 23 11-0146	EA			22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,653.66	2,339.92
				<i>For Insulated, Add</i>	2,581.39	
08 33 23 11-0147	EA			22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,486.20	2,440.15
				<i>For Insulated, Add</i>	3,070.49	
08 33 23 11-0148	EA			22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,668.10	2,658.42
				<i>For Insulated, Add</i>	3,662.17	
08 33 23 11-0149	EA			22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,680.82	2,758.64
				<i>For Insulated, Add</i>	4,286.42	
08 33 23 11-0150	EA			22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,763.48	2,892.26
				<i>For Insulated, Add</i>	4,918.03	
08 33 23 11-0151	EA			22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,945.02	3,025.88
				<i>For Insulated, Add</i>	5,623.79	
08 33 23 11-0152	EA			22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,196.64	3,192.91
				<i>For Insulated, Add</i>	6,337.02	
08 33 23 11-0153	EA			22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	15,508.46	3,393.34
				<i>For Insulated, Add</i>	7,050.30	
08 33 23 11-0154	EA			24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,431.88	2,573.91
				<i>For Insulated, Add</i>	2,849.10	
08 33 23 11-0155	EA			24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,997.60	2,640.72
				<i>For Insulated, Add</i>	3,183.19	
08 33 23 11-0156	EA			24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,161.57	2,707.52
				<i>For Insulated, Add</i>	3,965.98	
08 33 23 11-0157	EA			24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,282.20	2,807.74
				<i>For Insulated, Add</i>	4,671.16	

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0158	EA		24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	12,429.15 5,350.99	2,941.37
08 33 23 11-0159	EA		24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	13,674.23 6,104.41	3,074.98
08 33 23 11-0160	EA		24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	15,202.18 7,002.34	3,258.71
08 33 23 11-0161	EA		24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	16,763.25 7,925.10	3,442.44
08 33 23 11-0162			Aluminum Overhead Coiling Doors (Width x Height) <small>(08 33 23 11)</small> Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 23 11-0163			0.04" Aluminum Overhead Coiling Doors <small>(08 33 23 11-0162)</small>		
08 33 23 11-0164	EA		4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,669.52	760.63
08 33 23 11-0165	EA		4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,866.68	802.90
08 33 23 11-0166	EA		4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,353.54	836.30
08 33 23 11-0167	EA		6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,263.21	887.41
08 33 23 11-0168	EA		6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,571.51	971.93
08 33 23 11-0169	EA		6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,777.65	1,005.33
08 33 23 11-0170	EA		6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,025.53	1,038.74
08 33 23 11-0171	EA		6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,309.87	1,088.85
08 33 23 11-0172	EA		8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,561.79	950.79
08 33 23 11-0173	EA		8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,877.11	1,014.18
08 33 23 11-0174	EA		8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,153.14	1,056.44
08 33 23 11-0175	EA		8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,401.25	1,089.85
08 33 23 11-0176	EA		8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,683.74	1,139.96
08 33 23 11-0177	EA		10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,252.38	1,098.70
08 33 23 11-0178	EA		10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,524.07	1,140.96
08 33 23 11-0179	EA		10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,888.47	1,207.77
08 33 23 11-0180	EA		10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,320.97	1,307.99
08 33 23 11-0181	EA		10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,985.06	1,441.60
08 33 23 11-0182	EA		10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,715.87	1,608.63
08 33 23 11-0183	EA		10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,509.69	1,809.06
08 33 23 11-0184	EA		10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	8,371.42	2,042.90
08 33 23 11-0185	EA		12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,519.37	1,140.96
08 33 23 11-0186	EA		12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,044.83	1,177.70
08 33 23 11-0187	EA		12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,530.69	1,244.52
08 33 23 11-0188	EA		12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,085.48	1,344.73
08 33 23 11-0189	EA		12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,832.74	1,478.35
08 33 23 11-0190	EA		12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,648.62	1,645.38
08 33 23 11-0191	EA		12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	8,266.15	1,845.81
08 33 23 11-0192	EA		12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	9,019.73	2,113.05
08 33 23 11-0193			0.05" Aluminum Overhead Coiling Doors <small>(08 33 23 11-0162)</small>		
08 33 23 11-0194	EA		14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,171.92	1,328.53
08 33 23 11-0195	EA		14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,808.52	1,395.35
08 33 23 11-0196	EA		14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,433.23	1,462.16
08 33 23 11-0197	EA		14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,077.09	1,562.38
08 33 23 11-0198	EA		14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,826.49	1,695.99
08 33 23 11-0199	EA		14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,575.85	1,829.61
08 33 23 11-0200	EA		14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,402.46	1,996.64
08 33 23 11-0201	EA		14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,296.00	2,197.07
08 33 23 11-0202	EA		16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,024.39	1,527.82
08 33 23 11-0203	EA		16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,689.26	1,594.63
08 33 23 11-0204	EA		16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,327.33	1,661.44
08 33 23 11-0205	EA		16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,051.58	1,761.65
08 33 23 11-0206	EA		16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,896.21	1,895.28
08 33 23 11-0207	EA		16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,785.46	2,028.90
08 33 23 11-0208	EA		16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,705.80	2,195.92
08 33 23 11-0209	EA		16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,646.85	2,396.35
08 33 23 11-0210	EA		18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,735.27	1,718.80
08 33 23 11-0211	EA		18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,446.28	1,785.61
08 33 23 11-0212	EA		18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,291.62	1,885.83
08 33 23 11-0213	EA		18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,192.22	2,019.45
08 33 23 11-0214	EA		18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,169.11	2,186.48
08 33 23 11-0215	EA		18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,206.90	2,386.91
08 33 23 11-0216	EA		18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,309.99	2,620.74
08 33 23 11-0217	EA		18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	13,485.82	2,887.99
08 33 23 11-0218	EA		20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,697.34	1,976.63
08 33 23 11-0219	EA		20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,421.74	2,043.43
08 33 23 11-0220	EA		20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,608.77	2,143.65
08 33 23 11-0221	EA		20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,459.36	2,277.27
08 33 23 11-0222	EA		20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,516.63	2,444.30
08 33 23 11-0223	EA		20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,667.47	2,644.73
08 33 23 11-0224	EA		20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	13,837.51	2,878.56
08 33 23 11-0225	EA		20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	15,105.63	3,145.81
08 33 23 11-0226	EA		22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,089.01	2,339.92
08 33 23 11-0227	EA		22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,045.40	2,440.15
08 33 23 11-0228	EA		22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,345.17	2,658.42



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				08 33 23 11-0229 EA 22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,389.33	2,758.64
				08 33 23 11-0230 EA 22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,498.85	2,892.26
				08 33 23 11-0231 EA 22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,618.76	3,025.88
				08 33 23 11-0232 EA 22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,748.94	3,192.91
				08 33 23 11-0233 EA 22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,953.36	3,393.34
				08 33 23 11-0234 EA 24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,016.90	2,573.91
				08 33 23 11-0235 EA 24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,604.38	2,640.72
				08 33 23 11-0236 EA 24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,991.00	2,707.52
				08 33 23 11-0237 EA 24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,157.18	2,807.74
				08 33 23 11-0238 EA 24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,329.18	2,941.37
				08 33 23 11-0239 EA 24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,501.20	3,074.98
				08 33 23 11-0240 EA 24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,894.76	3,242.01
				08 33 23 11-0241 EA 24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	18,399.81	3,442.44
08 33 23 11-0242				Overhead Coiling Door Accessories (08 33 23 11)		
			LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	5.19	1.52
			LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	33.12	1.82
			LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	31.59	1.82
			EA	Cylinder Lock For Coiling Doors	270.66	75.78
			EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	1,796.91	242.49
				Note: Includes three button inside station controls and mounting hardware.		
			EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	2,264.87	242.49
				Note: Includes three button inside station controls and mounting hardware.		
			EA	>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	2,126.68	272.80
				Note: Includes three button inside station controls and mounting hardware.		
			EA	>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	2,510.90	272.80
				Note: Includes three button inside station controls and mounting hardware.		
			EA	>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	2,737.25	303.11
				Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
			EA	>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	2,970.34	303.11
				Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
			LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles	109.02	
			EA	Remote Transmitter Kit For Coiling Door Operators	364.98	121.25
08 33 23 11-0255				Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11)		
				Note: Includes storage, cleaning and supply materials.		
			SF	Removal And Reinstallation Of Metal Roll-up Door And Supports	25.99	
08 33 23 13				Overhead Rapid Coiling Doors (08 33 23)		
				Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0951 for forklift.		
08 33 23 13-0001				32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13)		
				Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.		
08 33 23 13-0002				32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0001)		
08 33 23 13-0003				5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
			EA	5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,931.13	443.75
			EA	5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,142.46	464.36
			EA	5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,352.49	484.98
			EA	5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,561.19	505.59
			EA	5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,772.52	526.20
			EA	5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,982.54	546.82
08 33 23 13-0010				6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
			EA	6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,142.46	464.36
			EA	6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,352.49	484.98
			EA	6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,561.19	505.59
			EA	6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,772.52	526.20
			EA	6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,982.54	546.82
			EA	6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,192.57	567.43
08 33 23 13-0017				7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
			EA	7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,352.49	484.98
			EA	7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,561.19	505.59
			EA	7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,772.52	526.20
			EA	7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,982.54	546.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0022 EA 7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,192.57	567.43
08 33 23 13-0023 EA 7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,403.91	588.04
08 33 23 13-0024 8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0025 EA 8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,561.19	505.59
08 33 23 13-0026 EA 8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,772.52	526.20
08 33 23 13-0027 EA 8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,982.54	546.82
08 33 23 13-0028 EA 8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,192.57	567.43
08 33 23 13-0029 EA 8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,403.91	588.04
08 33 23 13-0030 EA 8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,612.61	608.65
08 33 23 13-0031 9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0032 EA 9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,772.52	526.20
08 33 23 13-0033 EA 9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,982.54	546.82
08 33 23 13-0034 EA 9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,192.57	567.43
08 33 23 13-0035 EA 9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,403.91	588.04
08 33 23 13-0036 EA 9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,612.61	608.65
08 33 23 13-0037 EA 9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,823.95	629.26
08 33 23 13-0038 10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0039 EA 10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,982.54	546.82
08 33 23 13-0040 EA 10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,192.57	567.43
08 33 23 13-0041 EA 10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,403.91	588.04
08 33 23 13-0042 EA 10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,612.61	608.65
08 33 23 13-0043 EA 10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,823.95	629.26
08 33 23 13-0044 EA 10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,033.96	649.87
08 33 23 13-0045 Rytec® Bantam® Door Options (08 33 23 13-0001)		
08 33 23 13-0046 SF Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	8.24	
08 33 23 13-0047 SF Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	18.13	
08 33 23 13-0048 LF 31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors	26.37	
Note: Multiply linear foot price x width of door.		
08 33 23 13-0049 EA Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	250.56	
08 33 23 13-0050 EA Roll Cover For Rytec® Bantam® High-Speed Rolling Doors.....	516.87	60.62
08 33 23 13-0051 EA Motor Cover For Rytec® Bantam® High-Speed Rolling Doors	516.87	60.62
08 33 23 13-0052 EA Motor Operator For Rytec® Bantam® High-Speed Rolling Doors	2,121.67	121.25
Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.		
08 33 23 13-0053 EA Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator.....	292.68	60.62
Note: Includes open/close/stop control.		
08 33 23 13-0054 EA Auto Close Feature For Rytec® Bantam® Motor Operator.....	286.09	60.62
08 33 23 13-0055 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0055)		
Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 23 13-0056 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0055)		
08 33 23 13-0057 6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0058 EA 6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,573.49	484.98
08 33 23 13-0059 EA 6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,768.56	505.59
08 33 23 13-0060 EA 6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,991.72	526.20
08 33 23 13-0061 EA 6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,297.90	546.82
08 33 23 13-0062 EA 6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,610.20	567.43
08 33 23 13-0063 EA 6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,127.64	588.04
08 33 23 13-0064 EA 6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,498.54	608.65
08 33 23 13-0065 7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0066 EA 7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,808.85	505.59
08 33 23 13-0067 EA 7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,053.99	526.20
08 33 23 13-0068 EA 7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,358.95	546.82
08 33 23 13-0069 EA 7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,681.02	567.43
08 33 23 13-0070 EA 7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,102.00	588.04
08 33 23 13-0071 EA 7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,607.21	608.65
08 33 23 13-0072 EA 7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,008.64	629.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0073 8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small>		
08 33 23 13-0074 EA 8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,093.06	526.20
08 33 23 13-0075 EA 8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,396.81	546.82
08 33 23 13-0076 EA 8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,731.09	567.43
08 33 23 13-0077 EA 8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,164.27	588.04
08 33 23 13-0078 EA 8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,555.93	608.65
08 33 23 13-0079 EA 8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,105.10	629.26
08 33 23 13-0080 EA 8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,557.81	649.87
08 33 23 13-0081 9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small>		
08 33 23 13-0082 EA 9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,437.10	546.82
08 33 23 13-0083 EA 9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,768.94	567.43
08 33 23 13-0084 EA 9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,202.12	588.04
08 33 23 13-0085 EA 9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,605.99	608.65
08 33 23 13-0086 EA 9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,029.40	629.26
08 33 23 13-0087 EA 9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,468.68	649.87
08 33 23 13-0088 EA 9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,949.47	670.48
08 33 23 13-0089 10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small>		
08 33 23 13-0090 EA 10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,800.69	567.43
08 33 23 13-0091 EA 10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,242.42	588.04
08 33 23 13-0092 EA 10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,642.62	608.65
08 33 23 13-0093 EA 10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,069.69	629.26
08 33 23 13-0094 EA 10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,541.94	649.87
08 33 23 13-0095 EA 10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,646.65	670.48
08 33 23 13-0096 EA 10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,441.26	691.09
08 33 23 13-0097 11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small>		
08 33 23 13-0098 EA 11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,265.62	588.04
08 33 23 13-0099 EA 11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,675.59	608.65
08 33 23 13-0100 EA 11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,107.54	629.26
08 33 23 13-0101 EA 11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,581.01	649.87
08 33 23 13-0102 EA 11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,895.75	670.48
08 33 23 13-0103 EA 11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,507.19	691.09
08 33 23 13-0104 EA 11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	16,009.99	711.70
08 33 23 13-0105 12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small>		
08 33 23 13-0106 EA 12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,686.58	608.65
08 33 23 13-0107 EA 12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,129.52	629.26
08 33 23 13-0108 EA 12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,611.54	649.87
08 33 23 13-0109 EA 12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,937.26	670.48
08 33 23 13-0110 EA 12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,361.89	691.09
08 33 23 13-0111 EA 12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	16,066.16	711.70
08 33 23 13-0112 EA 12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	16,559.16	732.31
08 33 23 13-0113 Rytec® PredaDoor® Door Options <small>(08 33 23 13-0055)</small>		
08 33 23 13-0114 EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	639.33	121.25
08 33 23 13-0115 EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	901.85	121.25
08 33 23 13-0116 SF Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	9.89	
08 33 23 13-0117 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13)</small>		
Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 23 13-0118 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0117)</small>		
08 33 23 13-0119 8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0120	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,760.45	1,091.20
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0121	EA	8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,556.14	1,122.12
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0122	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,251.69	1,153.03
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0123	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,998.54	1,183.96
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0124	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,843.06	1,214.87
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0125	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,294.41	1,245.79
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0126	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,989.96	1,276.71
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0127	EA	8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,613.00	1,309.90
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0128	EA	8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,594.98	1,343.96
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0129	EA	8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,392.81	1,378.90
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0130	EA	8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,377.07	1,414.75
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,200.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
08 33 23	13-0131		9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,556.14	1,122.12
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00	
08 33 23	13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,251.69	1,153.03
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0134	EA			9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,998.54 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,183.96
08 33 23 13-0135	EA			9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,843.06 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,214.87
08 33 23 13-0136	EA			9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,294.41 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,245.79
08 33 23 13-0137	EA			9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,989.96 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,276.71
08 33 23 13-0138	EA			9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,882.10 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,307.62
08 33 23 13-0139	EA			9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,594.98 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,343.96
08 33 23 13-0140	EA			9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,392.81 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,378.90
08 33 23 13-0141	EA			9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,377.07 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,414.75
08 33 23 13-0142	EA			9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,546.50 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,451.53
08 33 23 13-0143				10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23 13-0144	EA			10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,251.69 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,153.03
08 33 23 13-0145	EA			10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,998.54 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,183.96
08 33 23 13-0146	EA			10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,843.06 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,214.87
08 33 23 13-0147	EA			10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,294.41 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,245.79

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0148	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,989.96	1,276.71
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23	13-0149	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,882.10	1,307.62
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23	13-0150	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,725.41	1,338.54
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23	13-0151	EA	10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,391.47	1,378.23
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23	13-0152	EA	10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,375.69	1,414.07
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23	13-0153	EA	10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,545.09	1,450.83
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23	13-0154	EA	10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,534.40	1,488.55
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	

08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 33 23	13-0156	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,998.54	1,183.96
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23	13-0157	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,843.06	1,214.87
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23	13-0158	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,294.41	1,245.79
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23	13-0159	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,989.96	1,276.71
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23	13-0160	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,882.10	1,307.62
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	
08 33 23	13-0161	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,725.41	1,338.54
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,850.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	5,775.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0162	EA		11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,666.39 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,369.45
08 33 23	13-0163	EA		11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,372.38 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,412.41
08 33 23	13-0164	EA		11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,541.69 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,449.13
08 33 23	13-0165	EA		11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,530.92 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,486.81
08 33 23	13-0166	EA		11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,702.79 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,525.46
08 33 23	13-0167			12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23	13-0168	EA		12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,843.06 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,214.87
08 33 23	13-0169	EA		12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,294.41 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,245.79
08 33 23	13-0170	EA		12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,989.96 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,276.71
08 33 23	13-0171	EA		12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,882.10 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,307.62
08 33 23	13-0172	EA		12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,725.41 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,338.54
08 33 23	13-0173	EA		12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,666.39 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,369.45
08 33 23	13-0174	EA		12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,347.29 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,400.38
08 33 23	13-0175	EA		12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,536.61 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,446.59

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0176	EA	12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,525.70	1,484.20
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23	13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,697.43	1,522.79
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23	13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,871.15	1,562.39
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0179 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>					
08 33 23	13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,797.48	1,245.79
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23	13-0181	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,682.29	1,276.71
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23	13-0182	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,521.92	1,307.62
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23	13-0183	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,494.67	1,338.54
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23	13-0184	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,463.73	1,369.45
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23	13-0185	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,187.37	1,400.38
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23	13-0186	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,741.28	1,431.30
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23	13-0187	EA	13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,594.22	1,480.87
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23	13-0188	EA	13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,767.08	1,519.37
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23	13-0189	EA	13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,945.91	1,558.88
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33 23	13-0190	EA	13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,987.00 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,599.41
	08 33 23	13-0191		14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
	08 33 23	13-0192	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,682.29 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,276.71
	08 33 23	13-0193	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,521.92 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,307.62
	08 33 23	13-0194	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,494.67 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,338.54
	08 33 23	13-0195	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,463.73 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,369.45
	08 33 23	13-0196	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,187.37 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,400.38
	08 33 23	13-0197	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,741.28 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,431.30
	08 33 23	13-0198	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,556.50 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,462.21
	08 33 23	13-0199	EA	14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,758.50 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,515.08
	08 33 23	13-0200	EA	14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,937.09 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,554.48
	08 33 23	13-0201	EA	14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,977.96 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,594.89
	08 33 23	13-0202	EA	14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,219.64 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,636.36
	08 33 23	13-0203		15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
	08 33 23	13-0204	EA	15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	23,460.48 675.00 1,100.00 2,750.00	1,276.71

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	24,433.55 675.00 1,100.00 2,750.00	1,307.62
08 33 23	13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	25,402.68 675.00 1,100.00 2,750.00	1,338.54
08 33 23	13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	26,126.51 675.00 1,100.00 2,750.00	1,369.45
08 33 23	13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	26,680.23 675.00 1,100.00 2,750.00	1,400.38
08 33 23	13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	27,495.05 675.00 1,100.00 2,750.00	1,431.30
08 33 23	13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	28,720.01 675.00 1,100.00 2,750.00	1,495.85
08 33 23	13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	29,928.01 675.00 1,100.00 2,750.00	1,549.93
08 33 23	13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	30,968.63 675.00 1,100.00 2,750.00	1,590.22
08 33 23	13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	33,210.07 675.00 1,100.00 2,750.00	1,631.58
08 33 23	13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	34,794.31 675.00 1,100.00 2,750.00	1,674.00
08 33 23	13-0215		16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,490.53 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,336.11
08 33 23	13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,462.53 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,368.47
08 33 23	13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,189.24 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,400.82
08 33 23	13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,745.84 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,433.18
08 33 23	13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,563.54 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,465.53
08 33 23	13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	28,724.11 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,497.89
08 33 23	13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	29,888.64 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,530.24



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33 23	13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,959.33 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,585.57
	08 33 23	13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,200.53 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,626.81
	08 33 23	13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	34,784.52 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,669.09
	08 33 23	13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	36,378.62 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,712.50
08 33 23	13-0227			17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
	08 33 23	13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	25,372.24 675.00 1,100.00 2,750.00	1,366.84
	08 33 23	13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	26,187.47 675.00 1,100.00 2,750.00	1,399.94
	08 33 23	13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	27,170.19 675.00 1,100.00 2,750.00	1,433.04
	08 33 23	13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	28,247.85 675.00 1,100.00 2,750.00	1,466.14
	08 33 23	13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	29,238.48 675.00 1,100.00 2,750.00	1,499.24
	08 33 23	13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	30,702.53 675.00 1,100.00 2,750.00	1,532.34
	08 33 23	13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	32,113.83 675.00 1,100.00 2,750.00	1,565.44
	08 33 23	13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	33,191.02 675.00 1,100.00 2,750.00	1,622.05
	08 33 23	13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	34,774.76 675.00 1,100.00 2,750.00	1,664.21
	08 33 23	13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	36,368.61 675.00 1,100.00 2,750.00	1,707.49
	08 33 23	13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	37,915.91 675.00 1,100.00 2,750.00	1,751.88
08 33 23	13-0239			18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
	08 33 23	13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,439.98 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,398.28

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,511.26	1,432.14
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23	13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,676.16	1,466.00
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23	13-0243	EA	18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,837.10	1,499.86
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23	13-0244	EA	18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,046.85	1,533.73
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23	13-0245	EA	18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,757.70	1,567.58
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23	13-0246	EA	18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,516.02	1,601.45
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23	13-0247	EA	18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,404.61	1,659.35
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23	13-0248	EA	18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,358.62	1,702.50
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23	13-0249	EA	18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,862.14	1,746.76
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23	13-0250	EA	18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,414.12	1,792.17
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23	13-0251		19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0252	EA	19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,507.85	1,430.44
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23	13-0253	EA	19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,674.32	1,465.08
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23	13-0254	EA	19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,836.82	1,499.72
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23	13-0255	EA	19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,048.12	1,534.36
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23	13-0256	EA	19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,760.53	1,569.00
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	



Openings	08	08
Specialty Doors and Frames	08 30	
Coiling Doors and Grilles	08 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0257	EA	19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	34,520.41 675.00 1,100.00 2,750.00	1,603.64
08 33 23	13-0258	EA	19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	35,362.47 675.00 1,100.00 2,750.00	1,638.28
08 33 23	13-0259	EA	19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	36,348.67 675.00 1,100.00 2,750.00	1,697.51
08 33 23	13-0260	EA	19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	37,851.93 675.00 1,100.00 2,750.00	1,741.65
08 33 23	13-0261	EA	19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	39,403.64 675.00 1,100.00 2,750.00	1,786.93
08 33 23	13-0262	EA	19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	40,957.71 675.00 1,100.00 2,750.00	1,833.40
08 33 23	13-0263		20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0264	EA	20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	28,670.84 675.00 1,100.00 2,750.00	1,463.34
08 33 23	13-0265	EA	20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	29,834.93 675.00 1,100.00 2,750.00	1,498.77
08 33 23	13-0266	EA	20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	31,047.83 675.00 1,100.00 2,750.00	1,534.21
08 33 23	13-0267	EA	20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	32,761.83 675.00 1,100.00 2,750.00	1,569.65
08 33 23	13-0268	EA	20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	34,523.31 675.00 1,100.00 2,750.00	1,605.09
08 33 23	13-0269	EA	20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	35,366.96 675.00 1,100.00 2,750.00	1,640.52
08 33 23	13-0270	EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	36,305.55 675.00 1,100.00 2,750.00	1,675.96
08 33 23	13-0271	EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	37,841.74 675.00 1,100.00 2,750.00	1,736.56
08 33 23	13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	39,393.19 675.00 1,100.00 2,750.00	1,781.71
08 33 23	13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	40,946.99 675.00 1,100.00 2,750.00	1,828.03
08 33 23	13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	42,318.57 675.00 1,100.00 2,750.00	1,875.56
08 33 23	13-0275		21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0276	EA	21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	35,708.88 675.00 1,100.00 2,750.00	1,569.50
08 33 23	13-0277	EA	21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	37,424.51 675.00 1,100.00 2,750.00	1,605.75

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0278	EA	21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	39,186.30 675.00 1,100.00 2,750.00	1,642.00
08 33 23	13-0279	EA	21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	40,034.22 675.00 1,100.00 2,750.00	1,678.25
08 33 23	13-0280	EA	21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	40,973.12 675.00 1,100.00 2,750.00	1,714.51
08 33 23	13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	42,512.10 675.00 1,100.00 2,750.00	1,776.51
08 33 23	13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	44,065.63 675.00 1,100.00 2,750.00	1,822.69
08 33 23	13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	45,621.56 675.00 1,100.00 2,750.00	1,870.08
08 33 23	13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	46,995.32 675.00 1,100.00 2,750.00	1,918.70
08 33 23	13-0285		22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	37,057.60 675.00 1,100.00 2,750.00	1,605.60
08 33 23	13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	38,776.22 675.00 1,100.00 2,750.00	1,642.69
08 33 23	13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	40,538.35 675.00 1,100.00 2,750.00	1,679.77
08 33 23	13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	41,386.63 675.00 1,100.00 2,750.00	1,716.86
08 33 23	13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	42,329.84 675.00 1,100.00 2,750.00	1,753.94
08 33 23	13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	43,871.67 675.00 1,100.00 2,750.00	1,817.36
08 33 23	13-0292	EA	22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	45,427.33 675.00 1,100.00 2,750.00	1,864.61
08 33 23	13-0293	EA	22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	46,984.10 675.00 1,100.00 2,750.00	1,913.09
08 33 23	13-0294	EA	22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	48,361.43 675.00 1,100.00 2,750.00	1,962.84
08 33 23	13-0295		23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0296	EA	23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	38,409.30 675.00 1,100.00 2,750.00	1,642.53
08 33 23	13-0297	EA	23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	40,128.31 675.00 1,100.00 2,750.00	1,680.47
08 33 23	13-0298	EA	23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	41,893.47 675.00 1,100.00 2,750.00	1,718.41



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0299	EA			23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	42,743.44 675.00 1,100.00 2,750.00	1,756.35
08 33 23 13-0300	EA			23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	43,687.05 675.00 1,100.00 2,750.00	1,794.28
08 33 23 13-0301	EA			23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	45,233.11 675.00 1,100.00 2,750.00	1,859.16
08 33 23 13-0302	EA			23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	46,789.61 675.00 1,100.00 2,750.00	1,907.50
08 33 23 13-0303	EA			23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	48,349.95 675.00 1,100.00 2,750.00	1,957.09
08 33 23 13-0304	EA			23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	49,729.57 675.00 1,100.00 2,750.00	2,007.97
08 33 23 13-0305				24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23 13-0306	EA			24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	39,761.39 675.00 1,100.00 2,750.00	1,680.31
08 33 23 13-0307	EA			24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	41,482.14 675.00 1,100.00 2,750.00	1,719.11
08 33 23 13-0308	EA			24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	43,250.36 675.00 1,100.00 2,750.00	1,757.93
08 33 23 13-0309	EA			24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	44,102.09 675.00 1,100.00 2,750.00	1,796.73
08 33 23 13-0310	EA			24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	45,046.11 675.00 1,100.00 2,750.00	1,835.55
08 33 23 13-0311	EA			24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	46,593.84 675.00 1,100.00 2,750.00	1,901.92
08 33 23 13-0312	EA			24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	48,153.89 675.00 1,100.00 2,750.00	1,951.37
08 33 23 13-0313	EA			24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	49,717.82 675.00 1,100.00 2,750.00	2,002.11
08 33 23 13-0314	EA			24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	51,097.14 675.00 1,100.00 2,750.00	2,054.16
08 33 23 13-0315				Rytec® Fast-Seal® Door Options <small>(08 33 23 13-0117)</small>		
08 33 23 13-0316	LF			Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	36.63	
08 33 23 13-0317	EA			Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	396.84	
08 33 23 13-0318	EA			>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	659.36	
08 33 23 13-0319	EA			>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	969.65	
08 33 23 13-0320	EA			>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,450.60	
08 33 23 13-0321	EA			One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	232.00	
08 33 23 13-0322	EA			Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	457.89	
				Note: Door must be at least 90" wide.		
08 33 23 13-0323	EA			Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	580.00	
				Note: Door must be at least 102" wide.		
08 33 23 13-0324	EA			Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	915.78	
				Note: Door must be at least 136" wide.		

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0325 EA One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	268.63	
08 33 23 13-0326 EA Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	531.15	
Note: Door must be at least 108" wide.		
08 33 23 13-0327 EA Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	659.36	
Note: Door must be at least 144" wide.		
08 33 23 13-0328 EA Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	1,062.31	
Note: Door must be at least 192" wide.		
08 33 23 13-0329 EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10'	723.90	
For 304 Stainless Steel, Add	115.82	
For 316 Stainless Steel, Add	506.73	
08 33 23 13-0330 EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14'	941.07	
For 304 Stainless Steel, Add	150.57	
For 316 Stainless Steel, Add	658.75	
08 33 23 13-0331 EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18'	1,230.63	
For 304 Stainless Steel, Add	196.90	
For 316 Stainless Steel, Add	861.44	
08 33 23 13-0332 EA Through Wall Brake Release	136.47	
08 33 23 13-0333 EA Explosion Proof Upgrade Package: Control Box, Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons	20,775.93	
For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	-6,200.00	
08 33 23 13-0334 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13)</small>		
Note: Rytec® Powerhouse™, Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lbs polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.		
08 33 23 13-0335 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0334)</small>		
08 33 23 13-0336 8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0337 EA 8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	23,282.01	1,091.20
08 33 23 13-0338 EA 8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	23,499.46	1,122.12
08 33 23 13-0339 EA 8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	23,871.19	1,153.03
08 33 23 13-0340 EA 8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,242.93	1,183.96
08 33 23 13-0341 EA 8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,615.99	1,214.87
08 33 23 13-0342 EA 8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,987.72	1,245.79
08 33 23 13-0343 EA 8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,203.84	1,276.71
08 33 23 13-0344 EA 8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,581.45	1,309.91
08 33 23 13-0345 EA 8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,269.37	1,343.96
08 33 23 13-0346 EA 8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,494.87	1,378.90
08 33 23 13-0347 EA 8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,032.07	1,414.75
08 33 23 13-0348 9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0349 EA 9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	23,499.46	1,122.12
08 33 23 13-0350 EA 9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	23,715.58	1,153.03
08 33 23 13-0351 EA 9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,088.64	1,183.96
08 33 23 13-0352 EA 9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,615.99	1,214.87
08 33 23 13-0353 EA 9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,832.11	1,245.79
08 33 23 13-0354 EA 9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,203.84	1,276.71
08 33 23 13-0355 EA 9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,576.89	1,307.62
08 33 23 13-0356 EA 9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,959.47	1,343.96
08 33 23 13-0357 EA 9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,804.77	1,378.90
08 33 23 13-0358 EA 9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,653.19	1,414.75
08 33 23 13-0359 EA 9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,502.17	1,451.54
08 33 23 13-0360 10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0361 EA 10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,646.60	1,153.03
08 33 23 13-0362 EA 10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,864.05	1,183.96
08 33 23 13-0363 EA 10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,235.79	1,214.87
08 33 23 13-0364 EA 10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,763.13	1,245.79
08 33 23 13-0365 EA 10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,134.86	1,276.71
08 33 23 13-0366 EA 10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,507.91	1,307.62
08 33 23 13-0367 EA 10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,879.66	1,338.54
08 33 23 13-0368 EA 10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,424.54	1,378.22
08 33 23 13-0369 EA 10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,116.00	1,414.07
08 33 23 13-0370 EA 10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,120.55	1,450.83
08 33 23 13-0371 EA 10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,972.73	1,488.55



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

08 33 23 13-0372				11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0373	EA			11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,708.44	1,183.96
08 33 23 13-0374	EA			11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,080.18	1,214.87
08 33 23 13-0375	EA			11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,453.23	1,245.79
08 33 23 13-0376	EA			11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,980.57	1,276.71
08 33 23 13-0377	EA			11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,352.30	1,307.62
08 33 23 13-0378	EA			11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,724.05	1,338.54
08 33 23 13-0379	EA			11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,562.61	1,369.45
08 33 23 13-0380	EA			11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,578.21	1,412.41
08 33 23 13-0381	EA			11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,582.68	1,449.13
08 33 23 13-0382	EA			11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,589.06	1,486.81
08 33 23 13-0383	EA			11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,441.77	1,525.46

08 33 23 13-0384				12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0385	EA			12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	24,925.89	1,214.87
08 33 23 13-0386	EA			12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,297.62	1,245.79
08 33 23 13-0387	EA			12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,669.35	1,276.71
08 33 23 13-0388	EA			12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,196.69	1,307.62
08 33 23 13-0389	EA			12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,724.05	1,338.54
08 33 23 13-0390	EA			12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,716.90	1,369.45
08 33 23 13-0391	EA			12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,709.75	1,400.38
08 33 23 13-0392	EA			12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,733.20	1,446.59
08 33 23 13-0393	EA			12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,893.72	1,484.20
08 33 23 13-0394	EA			12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,901.93	1,522.79
08 33 23 13-0395	EA			12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,912.13	1,562.39

08 33 23 13-0396				13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0397	EA			13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,297.62	1,245.79
08 33 23 13-0398	EA			13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,515.06	1,276.71
08 33 23 13-0399	EA			13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,886.79	1,307.62
08 33 23 13-0400	EA			13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,569.76	1,338.54
08 33 23 13-0401	EA			13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,716.90	1,369.45
08 33 23 13-0402	EA			13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,865.36	1,400.38
08 33 23 13-0403	EA			13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,858.21	1,431.30
08 33 23 13-0404	EA			13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,042.69	1,480.87
08 33 23 13-0405	EA			13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,206.32	1,519.37
08 33 23 13-0406	EA			13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,370.64	1,558.88
08 33 23 13-0407	EA			13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,382.72	1,599.41

08 33 23 13-0408				14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0409	EA			14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,515.06	1,276.71
08 33 23 13-0410	EA			14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	25,731.18	1,307.62
08 33 23 13-0411	EA			14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,258.54	1,338.54
08 33 23 13-0412	EA			14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,251.39	1,369.45
08 33 23 13-0413	EA			14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,709.75	1,400.38
08 33 23 13-0414	EA			14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,858.21	1,431.30
08 33 23 13-0415	EA			14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,160.97	1,462.21
08 33 23 13-0416	EA			14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,352.01	1,515.09
08 33 23 13-0417	EA			14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,517.43	1,554.48
08 33 23 13-0418	EA			14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,683.58	1,594.88
08 33 23 13-0419	EA			14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,008.75	1,636.36

08 33 23 13-0420				15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0421	EA			15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,504.81	1,306.07
08 33 23 13-0422	EA			15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,877.97	1,337.70
08 33 23 13-0423	EA			15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,406.73	1,369.32
08 33 23 13-0424	EA			15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,089.80	1,400.95
08 33 23 13-0425	EA			15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,705.19	1,432.59
08 33 23 13-0426	EA			15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,009.36	1,464.21
08 33 23 13-0427	EA			15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,313.55	1,495.85
08 33 23 13-0428	EA			15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,508.35	1,549.93
08 33 23 13-0429	EA			15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,829.86	1,590.22
08 33 23 13-0430	EA			15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,153.47	1,631.58
08 33 23 13-0431	EA			15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,479.24	1,673.99



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0432			16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0433	EA		16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	26,719.18	1,336.11
08 33 23 13-0434	EA		16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,249.40	1,368.47
08 33 23 13-0435	EA		16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,779.63	1,400.82
08 33 23 13-0436	EA		16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,085.26	1,433.17
08 33 23 13-0437	EA		16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,856.40	1,465.53
08 33 23 13-0438	EA		16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,163.35	1,497.89
08 33 23 13-0439	EA		16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,468.99	1,530.24
08 33 23 13-0440	EA		16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,820.56	1,565.57
08 33 23 13-0441	EA		16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,143.93	1,626.80
08 33 23 13-0442	EA		16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,469.44	1,669.10
08 33 23 13-0443	EA		16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,952.77	1,712.50
08 33 23 13-0444			17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0445	EA		17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,091.85	1,366.84
08 33 23 13-0446	EA		17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,467.95	1,399.94
08 33 23 13-0447	EA		17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,775.07	1,433.04
08 33 23 13-0448	EA		17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,082.19	1,466.14
08 33 23 13-0449	EA		17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,854.82	1,499.24
08 33 23 13-0450	EA		17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,317.55	1,532.34
08 33 23 13-0451	EA		17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,624.68	1,565.44
08 33 23 13-0452	EA		17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,134.42	1,622.05
08 33 23 13-0453	EA		17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,459.69	1,664.21
08 33 23 13-0454	EA		17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,942.76	1,707.49
08 33 23 13-0455	EA		17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,428.08	1,751.89
08 33 23 13-0456			18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0457	EA		18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,464.63	1,398.28
08 33 23 13-0458	EA		18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	27,842.26	1,432.14
08 33 23 13-0459	EA		18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,616.41	1,466.01
08 33 23 13-0460	EA		18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,080.66	1,499.86
08 33 23 13-0461	EA		18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,854.82	1,533.72
08 33 23 13-0462	EA		18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,319.07	1,567.58
08 33 23 13-0463	EA		18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,938.94	1,601.45
08 33 23 13-0464	EA		18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,449.95	1,659.35
08 33 23 13-0465	EA		18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,932.76	1,702.50
08 33 23 13-0466	EA		18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,417.83	1,746.76
08 33 23 13-0467	EA		18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,905.20	1,792.17
08 33 23 13-0468			19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0469	EA		19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,148.75	1,430.43
08 33 23 13-0470	EA		19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	28,683.54	1,465.08
08 33 23 13-0471	EA		19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,614.86	1,499.72
08 33 23 13-0472	EA		19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,080.67	1,534.36
08 33 23 13-0473	EA		19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,011.99	1,569.00
08 33 23 13-0474	EA		19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,477.82	1,603.64
08 33 23 13-0475	EA		19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,097.92	1,638.28
08 33 23 13-0476	EA		19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,612.91	1,697.52
08 33 23 13-0477	EA		19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,252.01	1,741.65
08 33 23 13-0478	EA		19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,739.09	1,786.94
08 33 23 13-0479	EA		19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,384.16	1,833.40
08 33 23 13-0480			20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0481	EA		20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,145.58	1,463.34
08 33 23 13-0482	EA		20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,681.97	1,498.77
08 33 23 13-0483	EA		20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,459.27	1,534.22
08 33 23 13-0484	EA		20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,082.29	1,569.64
08 33 23 13-0485	EA		20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,015.19	1,605.09
08 33 23 13-0486	EA		20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,636.89	1,640.52
08 33 23 13-0487	EA		20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,259.90	1,675.97
08 33 23 13-0488	EA		20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,931.92	1,736.56
08 33 23 13-0489	EA		20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,574.36	1,781.72
08 33 23 13-0490	EA		20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,217.83	1,828.03
08 33 23 13-0491	EA		20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,863.71	1,875.57
08 33 23 13-0492			21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0493	EA		21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,368.51	1,496.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0494 EA 21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,837.54	1,533.24
08 33 23 13-0495 EA 21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,306.57	1,569.50
08 33 23 13-0496 EA 21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,085.50	1,605.75
08 33 23 13-0497 EA 21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,020.04	1,642.00
08 33 23 13-0498 EA 21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,798.98	1,678.25
08 33 23 13-0499 EA 21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,422.30	1,714.51
08 33 23 13-0500 EA 21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,252.72	1,776.51
08 33 23 13-0501 EA 21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,897.24	1,822.70
08 33 23 13-0502 EA 21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,542.84	1,870.08
08 33 23 13-0503 EA 21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,346.51	1,918.70
08 33 23 13-0504 22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0505 EA 22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	29,747.27	1,531.43
08 33 23 13-0506 EA 22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,062.35	1,568.52
08 33 23 13-0507 EA 22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,309.79	1,605.59
08 33 23 13-0508 EA 22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,090.38	1,642.69
08 33 23 13-0509 EA 22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,180.89	1,679.77
08 33 23 13-0510 EA 22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,961.48	1,716.86
08 33 23 13-0511 EA 22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,587.80	1,753.94
08 33 23 13-0512 EA 22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,421.07	1,817.36
08 33 23 13-0513 EA 22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,222.00	1,864.61
08 33 23 13-0514 EA 22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,025.39	1,913.09
08 33 23 13-0515 EA 22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,831.30	1,962.83
08 33 23 13-0516 23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0517 EA 23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	30,904.34	1,566.65
08 33 23 13-0518 EA 23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,065.53	1,604.59
08 33 23 13-0519 EA 23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,159.05	1,642.53
08 33 23 13-0520 EA 23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,096.96	1,680.47
08 33 23 13-0521 EA 23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,189.18	1,718.40
08 33 23 13-0522 EA 23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,971.48	1,756.34
08 33 23 13-0523 EA 23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,909.41	1,794.29
08 33 23 13-0524 EA 23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,745.59	1,859.17
08 33 23 13-0525 EA 23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,548.70	1,907.50
08 33 23 13-0526 EA 23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,509.93	1,957.09
08 33 23 13-0527 EA 23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,318.12	2,007.98
08 33 23 13-0528 24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0529 EA 24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,907.43	1,602.68
08 33 23 13-0530 EA 24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,760.46	1,641.50
08 33 23 13-0531 EA 24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,165.63	1,680.31
08 33 23 13-0532 EA 24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,949.68	1,719.11
08 33 23 13-0533 EA 24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,199.24	1,757.93
08 33 23 13-0534 EA 24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,138.91	1,796.73
08 33 23 13-0535 EA 24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,077.26	1,835.55
08 33 23 13-0536 EA 24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,072.03	1,901.92
08 33 23 13-0537 EA 24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,877.37	1,957.10
08 33 23 13-0538 EA 24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,840.87	2,002.10
08 33 23 13-0539 EA 24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,807.02	2,054.17
08 33 23 13-0540 Rytec® Powerhouse™ Door Options <small>(08 33 23 13-0334)</small>		
08 33 23 13-0541 EA Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,017.65	
08 33 23 13-0542 EA 9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,057.21	
08 33 23 13-0543 EA 10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,096.77	
08 33 23 13-0544 EA 11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,136.34	
08 33 23 13-0545 EA 12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,175.90	
08 33 23 13-0546 EA 13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,215.46	
08 33 23 13-0547 EA 14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,255.02	
08 33 23 13-0548 EA 15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,294.58	
08 33 23 13-0549 EA 16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,334.14	
08 33 23 13-0550 EA 17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,373.71	
08 33 23 13-0551 EA 18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,413.27	
08 33 23 13-0552 EA 19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,452.83	
08 33 23 13-0553 EA 20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,492.39	
08 33 23 13-0554 EA 21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,531.95	
08 33 23 13-0555 EA 22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,571.51	
08 33 23 13-0556 EA 23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,611.08	
08 33 23 13-0557 EA 24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,650.64	
08 33 23 13-0558 EA 11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors	461.55	
08 33 23 13-0559 EA 208-230 Volt Application For Rytec® Powerhouse™ Door	1,134.10	
Note: Includes System 4 Controller In NEMA 4 Enclosure		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0560		Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13) Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 23	13-0561		Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13-0560)		
08 33 23	13-0562		8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23	13-0563	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,224.41	1,454.94
08 33 23	13-0564	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,946.83	1,485.85
08 33 23	13-0565	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,669.25	1,516.77
08 33 23	13-0566	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,392.89	1,547.68
08 33 23	13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,115.31	1,578.60
08 33 23	13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,837.72	1,609.53
08 33 23	13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,880.09	1,640.44
08 33 23	13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,600.19	1,673.25
08 33 23	13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,321.21	1,706.71
08 33 23	13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,043.57	1,740.84
08 33 23	13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,767.28	1,775.66
08 33 23	13-0574		9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23	13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,946.83	1,485.85
08 33 23	13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,669.25	1,516.77
08 33 23	13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,392.89	1,547.68
08 33 23	13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,115.31	1,578.60
08 33 23	13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,837.72	1,609.53
08 33 23	13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,560.15	1,640.44
08 33 23	13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,602.52	1,671.36
08 33 23	13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,313.05	1,704.78
08 33 23	13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,047.53	1,738.88
08 33 23	13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,771.18	1,773.67
08 33 23	13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,496.21	1,809.13
08 33 23	13-0586		10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23	13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,669.25	1,516.77
08 33 23	13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,392.89	1,547.68
08 33 23	13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,115.31	1,578.60
08 33 23	13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,837.72	1,609.53
08 33 23	13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,560.15	1,640.44
08 33 23	13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,282.57	1,671.36
08 33 23	13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,324.93	1,702.27
08 33 23	13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,047.69	1,736.32
08 33 23	13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,771.23	1,771.04
08 33 23	13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,496.16	1,806.48
08 33 23	13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,222.52	1,842.59
08 33 23	13-0598		11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23	13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,392.89	1,547.68
08 33 23	13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,115.31	1,578.60
08 33 23	13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,837.72	1,609.53
08 33 23	13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,560.15	1,640.44
08 33 23	13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,282.57	1,671.36
08 33 23	13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,004.98	1,702.27
08 33 23	13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,046.12	1,733.19
08 33 23	13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,771.45	1,767.86
08 33 23	13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,496.24	1,803.21
08 33 23	13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,222.46	1,839.28
08 33 23	13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,950.12	1,876.07
08 33 23	13-0610		12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23	13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,115.31	1,578.60
08 33 23	13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,837.72	1,609.53
08 33 23	13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,560.15	1,640.44
08 33 23	13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,282.57	1,671.36
08 33 23	13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,004.98	1,702.27
08 33 23	13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,727.40	1,733.19
08 33 23	13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,769.77	1,764.11
08 33 23	13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,495.20	1,799.39
08 33 23	13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,221.26	1,835.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0620 EA 12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,948.77	1,872.09
08 33 23 13-0621 EA 12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,679.06	1,909.53
08 33 23 13-0622 13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0561)</small>		
08 33 23 13-0623 EA 13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,837.72	1,609.53
08 33 23 13-0624 EA 13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,560.15	1,640.44
08 33 23 13-0625 EA 13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,282.57	1,671.36
08 33 23 13-0626 EA 13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,004.98	1,702.27
08 33 23 13-0627 EA 13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,727.40	1,733.19
08 33 23 13-0628 EA 13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,449.82	1,764.11
08 33 23 13-0629 EA 13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,492.19	1,795.02
08 33 23 13-0630 EA 13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,218.95	1,830.93
08 33 23 13-0631 EA 13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,946.27	1,867.54
08 33 23 13-0632 EA 13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,675.07	1,904.90
08 33 23 13-0633 EA 13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,405.35	1,942.99
08 33 23 13-0634 14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0561)</small>		
08 33 23 13-0635 EA 14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,880.09	1,640.44
08 33 23 13-0636 EA 14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,602.52	1,671.36
08 33 23 13-0637 EA 14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,324.93	1,702.27
08 33 23 13-0638 EA 14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,046.12	1,733.19
08 33 23 13-0639 EA 14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,769.77	1,764.11
08 33 23 13-0640 EA 14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,492.19	1,795.02
08 33 23 13-0641 EA 14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,208.50	1,825.95
08 33 23 13-0642 EA 14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,936.12	1,862.46
08 33 23 13-0643 EA 14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,664.69	1,899.71
08 33 23 13-0644 EA 14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,394.77	1,937.71
08 33 23 13-0645 EA 14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,126.38	1,976.45
08 33 23 13-0646 15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0561)</small>		
08 33 23 13-0647 EA 15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,600.19	1,673.25
08 33 23 13-0648 EA 15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,325.26	1,704.78
08 33 23 13-0649 EA 15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,047.69	1,736.32
08 33 23 13-0650 EA 15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,771.45	1,767.86
08 33 23 13-0651 EA 15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,495.20	1,799.39
08 33 23 13-0652 EA 15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,218.95	1,830.93
08 33 23 13-0653 EA 15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,936.12	1,862.46
08 33 23 13-0654 EA 15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,664.69	1,899.71
08 33 23 13-0655 EA 15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,394.77	1,937.71
08 33 23 13-0656 EA 15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,126.38	1,976.45
08 33 23 13-0657 EA 15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,859.52	2,015.99
08 33 23 13-0658 16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0561)</small>		
08 33 23 13-0659 EA 16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,321.21	1,706.71
08 33 23 13-0660 EA 16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,047.53	1,738.88
08 33 23 13-0661 EA 16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,771.23	1,771.04
08 33 23 13-0662 EA 16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,496.24	1,803.21
08 33 23 13-0663 EA 16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,221.26	1,835.38
08 33 23 13-0664 EA 16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,946.27	1,867.54
08 33 23 13-0665 EA 16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,664.69	1,899.71
08 33 23 13-0666 EA 16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,394.77	1,937.71
08 33 23 13-0667 EA 16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,126.38	1,976.45
08 33 23 13-0668 EA 16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,859.52	2,015.99
08 33 23 13-0669 EA 16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,595.56	2,056.31
08 33 23 13-0670 17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0561)</small>		
08 33 23 13-0671 EA 17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,043.57	1,740.84
08 33 23 13-0672 EA 17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,771.18	1,773.67
08 33 23 13-0673 EA 17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,496.16	1,806.48
08 33 23 13-0674 EA 17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,222.46	1,839.28
08 33 23 13-0675 EA 17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,948.77	1,872.09
08 33 23 13-0676 EA 17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,675.07	1,904.90
08 33 23 13-0677 EA 17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,394.77	1,937.71
08 33 23 13-0678 EA 17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,126.38	1,976.45
08 33 23 13-0679 EA 17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,859.52	2,015.99
08 33 23 13-0680 EA 17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,595.56	2,056.31
08 33 23 13-0681 EA 17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,331.90	2,097.44



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0682		18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0561)</small>		
08 33 23	13-0683	EA	18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,913.66	1,775.66
08 33 23	13-0684	EA	18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,641.27	1,809.13
08 33 23	13-0685	EA	18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,368.90	1,842.59
08 33 23	13-0686	EA	18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,095.18	1,876.07
08 33 23	13-0687	EA	18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,824.12	1,909.53
08 33 23	13-0688	EA	18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,550.41	1,942.99
08 33 23	13-0689	EA	18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,272.76	1,976.45
08 33 23	13-0690	EA	18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,005.90	2,015.99
08 33 23	13-0691	EA	18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,740.62	2,056.31
08 33 23	13-0692	EA	18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,476.96	2,097.44
08 33 23	13-0693	EA	18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,214.95	2,139.39
08 33 23	13-0694		19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0561)</small>		
08 33 23	13-0695	EA	19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,856.36	1,811.18
08 33 23	13-0696	EA	19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,586.63	1,845.32
08 33 23	13-0697	EA	19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,314.27	1,879.45
08 33 23	13-0698	EA	19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,043.22	1,913.58
08 33 23	13-0699	EA	19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,772.18	1,947.72
08 33 23	13-0700	EA	19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,501.12	1,981.86
08 33 23	13-0701	EA	19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,223.48	2,015.99
08 33 23	13-0702	EA	19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,958.21	2,056.31
08 33 23	13-0703	EA	19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,694.55	2,097.44
08 33 23	13-0704	EA	19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,432.54	2,139.39
08 33 23	13-0705	EA	19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,173.52	2,182.18
08 33 23	13-0706		20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0561)</small>		
08 33 23	13-0707	EA	20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,018.93	1,847.77
08 33 23	13-0708	EA	20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,751.24	1,881.71
08 33 23	13-0709	EA	20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,479.71	1,916.88
08 33 23	13-0710	EA	20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,210.72	1,952.04
08 33 23	13-0711	EA	20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,940.50	1,987.20
08 33 23	13-0712	EA	20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,670.29	2,021.15
08 33 23	13-0713	EA	20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,394.71	2,056.31
08 33 23	13-0714	EA	20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,131.24	2,097.53
08 33 23	13-0715	EA	20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,868.99	2,139.97
08 33 23	13-0716	EA	20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,609.16	2,182.40
08 33 23	13-0717	EA	20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,350.54	2,226.06
08 33 23	13-0718		Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) <small>(08 33 23 13-0560)</small>		
08 33 23	13-0719		8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) <small>(08 33 23 13-0718)</small>		
08 33 23	13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	25,056.68	969.96
08 33 23	13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	25,607.07	990.57
08 33 23	13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	26,157.48	1,011.18
08 33 23	13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	26,705.44	1,031.79
08 33 23	13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	27,255.83	1,052.40
08 33 23	13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	27,806.23	1,073.01
08 33 23	13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,445.93	1,093.62
08 33 23	13-0727		9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) <small>(08 33 23 13-0718)</small>		
08 33 23	13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	25,607.07	990.57
08 33 23	13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	26,157.48	1,011.18
08 33 23	13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	26,705.44	1,031.79
08 33 23	13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	27,255.83	1,052.40
08 33 23	13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	27,806.23	1,073.01
08 33 23	13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	28,356.62	1,093.62
08 33 23	13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,996.33	1,114.24
08 33 23	13-0735		10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) <small>(08 33 23 13-0718)</small>		
08 33 23	13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	26,157.48	1,011.18
08 33 23	13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	26,705.44	1,031.79
08 33 23	13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	27,255.83	1,052.40
08 33 23	13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	27,806.23	1,073.01
08 33 23	13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	28,356.62	1,093.62
08 33 23	13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	28,907.03	1,114.24



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33 23	13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	34,546.72	1,134.85
08 33 23 13-0743				11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) <small>(08 33 23 13-0718)</small>		
	08 33 23	13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,705.44	1,031.79
	08 33 23	13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,255.83	1,052.40
	08 33 23	13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,806.23	1,073.01
	08 33 23	13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	28,356.62	1,093.62
	08 33 23	13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	28,907.03	1,114.24
	08 33 23	13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	29,457.42	1,134.85
	08 33 23	13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	35,094.68	1,155.46
08 33 23 13-0751				12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) <small>(08 33 23 13-0718)</small>		
	08 33 23	13-0752	EA	12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,255.83	1,052.40
	08 33 23	13-0753	EA	12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,806.23	1,073.01
	08 33 23	13-0754	EA	12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	28,356.62	1,093.62
	08 33 23	13-0755	EA	12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	28,907.03	1,114.24
	08 33 23	13-0756	EA	12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	29,457.42	1,134.85
	08 33 23	13-0757	EA	12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	30,007.82	1,155.46
	08 33 23	13-0758	EA	12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	35,645.08	1,176.08
08 33 23 13-0759				13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) <small>(08 33 23 13-0718)</small>		
	08 33 23	13-0760	EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,806.23	1,073.01
	08 33 23	13-0761	EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	28,356.62	1,093.62
	08 33 23	13-0762	EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	28,907.03	1,114.24
	08 33 23	13-0763	EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	29,457.42	1,134.85
	08 33 23	13-0764	EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	30,007.82	1,155.46
	08 33 23	13-0765	EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	30,558.22	1,176.08
	08 33 23	13-0766	EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	36,195.48	1,196.69
08 33 23 13-0767				14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) <small>(08 33 23 13-0718)</small>		
	08 33 23	13-0768	EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	33,445.93	1,093.62
	08 33 23	13-0769	EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	33,996.33	1,114.24
	08 33 23	13-0770	EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	34,546.72	1,134.85
	08 33 23	13-0771	EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	35,094.68	1,155.46
	08 33 23	13-0772	EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	35,645.08	1,176.08
	08 33 23	13-0773	EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	36,195.48	1,196.69
	08 33 23	13-0774	EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	36,745.87	1,217.30
08 33 23 13-0775				Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) <small>(08 33 23 13-0560)</small>		
08 33 23 13-0776				8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) <small>(08 33 23 13-0775)</small>		
	08 33 23	13-0777	EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,311.81	969.96
	08 33 23	13-0778	EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,862.20	990.57
	08 33 23	13-0779	EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,412.61	1,011.18
	08 33 23	13-0780	EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,961.79	1,031.79
	08 33 23	13-0781	EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,512.19	1,052.40
	08 33 23	13-0782	EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,061.36	1,067.56
	08 33 23	13-0783	EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,611.75	1,073.01
08 33 23 13-0784				9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) <small>(08 33 23 13-0775)</small>		
	08 33 23	13-0785	EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,862.20	990.57
	08 33 23	13-0786	EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,412.61	1,011.18
	08 33 23	13-0787	EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,961.79	1,031.79
	08 33 23	13-0788	EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,512.19	1,052.40
	08 33 23	13-0789	EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,061.36	1,073.01
	08 33 23	13-0790	EA	9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,595.99	1,085.74
	08 33 23	13-0791	EA	9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,146.38	1,093.62
08 33 23 13-0792				10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) <small>(08 33 23 13-0775)</small>		
	08 33 23	13-0793	EA	10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,412.61	1,011.18
	08 33 23	13-0794	EA	10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,961.79	1,031.79
	08 33 23	13-0795	EA	10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,512.19	1,052.40
	08 33 23	13-0796	EA	10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,061.36	1,073.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0797 EA 10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,611.75	1,093.62
08 33 23 13-0798 EA 10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,151.24	1,108.78
08 33 23 13-0799 EA 10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,168.33	1,114.24
08 33 23 13-0800 11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0801 EA 11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,961.79	1,031.79
08 33 23 13-0802 EA 11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,512.19	1,052.40
08 33 23 13-0803 EA 11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,061.36	1,073.01
08 33 23 13-0804 EA 11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,611.75	1,093.62
08 33 23 13-0805 EA 11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,162.16	1,114.24
08 33 23 13-0806 EA 11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,701.63	1,129.39
08 33 23 13-0807 EA 11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,870.13	1,134.85
08 33 23 13-0808 12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0809 EA 12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,512.19	1,052.40
08 33 23 13-0810 EA 12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,061.36	1,073.01
08 33 23 13-0811 EA 12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,611.75	1,093.62
08 33 23 13-0812 EA 12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,162.16	1,114.24
08 33 23 13-0813 EA 12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,712.55	1,134.85
08 33 23 13-0814 EA 12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	28,249.62	1,148.79
08 33 23 13-0815 EA 12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,571.94	1,155.46
08 33 23 13-0816 13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0817 EA 13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,061.36	1,073.01
08 33 23 13-0818 EA 13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,611.75	1,093.62
08 33 23 13-0819 EA 13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,162.16	1,114.24
08 33 23 13-0820 EA 13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,712.55	1,134.85
08 33 23 13-0821 EA 13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	28,262.95	1,155.46
08 33 23 13-0822 EA 13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	28,801.22	1,170.01
08 33 23 13-0823 EA 13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,273.75	1,176.08
08 33 23 13-0824 14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0825 EA 14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,786.46	1,093.62
08 33 23 13-0826 EA 14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,488.28	1,114.24
08 33 23 13-0827 EA 14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,190.08	1,134.85
08 33 23 13-0828 EA 14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,890.66	1,155.46
08 33 23 13-0829 EA 14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,593.70	1,176.08
08 33 23 13-0830 EA 14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,284.59	1,191.22
08 33 23 13-0831 EA 14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,295.50	1,196.69
08 33 23 13-0832 Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0560)		
08 33 23 13-0833 8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0834 EA 8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,065.28	969.96
08 33 23 13-0835 EA 8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,761.90	990.57
08 33 23 13-0836 EA 8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,457.22	1,011.18
08 33 23 13-0837 EA 8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,151.19	1,031.79
08 33 23 13-0838 EA 8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,574.47	1,052.40
08 33 23 13-0839 EA 8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,633.74	1,073.01
08 33 23 13-0840 EA 8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,693.02	1,093.62
08 33 23 13-0841 9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0842 EA 9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,761.90	990.57
08 33 23 13-0843 EA 9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,457.22	1,011.18
08 33 23 13-0844 EA 9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,152.54	1,031.79
08 33 23 13-0845 EA 9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,211.82	1,052.40
08 33 23 13-0846 EA 9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,269.77	1,073.01
08 33 23 13-0847 EA 9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,329.05	1,093.62
08 33 23 13-0848 EA 9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,394.93	1,114.24
08 33 23 13-0849 10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0850 EA 10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,457.22	1,011.18
08 33 23 13-0851 EA 10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,152.54	1,031.79



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0852	EA			10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,847.85	1,052.40
08 33 23 13-0853	EA			10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,907.12	1,073.01
08 33 23 13-0854	EA			10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,965.08	1,093.62
08 33 23 13-0855	EA			10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,024.37	1,114.24
08 33 23 13-0856	EA			10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,096.83	1,134.85
08 33 23 13-0857				11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0858	EA			11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,152.54	1,031.79
08 33 23 13-0859	EA			11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,847.85	1,052.40
08 33 23 13-0860	EA			11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,543.16	1,073.01
08 33 23 13-0861	EA			11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,602.43	1,093.62
08 33 23 13-0862	EA			11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,661.72	1,114.24
08 33 23 13-0863	EA			11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,719.68	1,134.85
08 33 23 13-0864	EA			11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,797.41	1,155.46
08 33 23 13-0865				12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0866	EA			12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,847.85	1,052.40
08 33 23 13-0867	EA			12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,543.16	1,073.01
08 33 23 13-0868	EA			12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,238.46	1,093.62
08 33 23 13-0869	EA			12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,297.75	1,114.24
08 33 23 13-0870	EA			12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,357.03	1,134.85
08 33 23 13-0871	EA			12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,414.98	1,155.46
08 33 23 13-0872	EA			12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	39,500.64	1,176.08
08 33 23 13-0873				13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0874	EA			13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,543.16	1,073.01
08 33 23 13-0875	EA			13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,238.46	1,093.62
08 33 23 13-0876	EA			13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,933.78	1,114.24
08 33 23 13-0877	EA			13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,993.06	1,134.85
08 33 23 13-0878	EA			13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,052.33	1,155.46
08 33 23 13-0879	EA			13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	39,111.62	1,176.08
08 33 23 13-0880	EA			13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	40,202.54	1,196.69
08 33 23 13-0881				14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0882	EA			14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,238.46	1,093.62
08 33 23 13-0883	EA			14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,933.78	1,114.24
08 33 23 13-0884	EA			14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,629.09	1,134.85
08 33 23 13-0885	EA			14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,688.37	1,155.46
08 33 23 13-0886	EA			14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,747.65	1,176.08
08 33 23 13-0887	EA			14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	39,806.93	1,196.69
08 33 23 13-0888	EA			14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	40,897.85	1,217.30
08 33 23 13-0889				Rytec® Spiral® Door Options (08 33 23 13-0560)		
08 33 23 13-0890	EA			Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	396.84	
				Note: Per door price.		
08 33 23 13-0891	EA			Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	268.63	
				Note: Maximum of 4 per door.		
08 33 23 13-0892	EA			>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	396.84	
				Note: Maximum of 4 per door.		
08 33 23 13-0893	EA			Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	268.63	
				Note: Maximum of 4 per door.		
08 33 23 13-0894	EA			>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	396.84	
				Note: Maximum of 4 per door.		
08 33 23 13-0895	EA			Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors.....	780.61	60.62
08 33 23 13-0896	EA			Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	2,220.58	121.25
08 33 23 13-0897	EA			>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	3,936.14	121.25
08 33 23 13-0898	EA			>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	4,467.30	121.25
08 33 23 13-0899	EA			Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors.....	461.55	
08 33 23 13-0900				Activation And Control Box Options For High Speed Doors (08 33 23 13)		
08 33 23 13-0901	EA			Pull Cord For High-Speed Rolling Doors.....	218.93	60.62
08 33 23 13-0902	EA			Emergency Stop, Pushbutton Control For High-Speed Rolling Doors.....	158.30	30.31
08 33 23 13-0903	EA			NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors.....	194.93	30.31
08 33 23 13-0904	EA			On/Off Selector Switch, Remote Control For High-Speed Rolling Doors.....	139.99	30.31
08 33 23 13-0905	EA			On/Off Key Switch, Remote Control For High-Speed Rolling Doors.....	207.14	30.31
08 33 23 13-0906	EA			Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors.....	329.25	30.31
08 33 23 13-0907	EA			Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors.....	359.78	30.31
08 33 23 13-0908	EA			Radio Control For High-Speed Rolling Doors.....	578.70	54.56
				Note: Includes one receiver and two transmitters.		

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0909 EA Floor Loop For High-Speed Rolling Doors Note: Excludes sealant.	821.20	
08 33 23 13-0910 EA Reflective Type Photo Eye For High-Speed Rolling Doors	505.08	54.56
08 33 23 13-0911 EA Thru-Beam Type Photo Eye For High-Speed Rolling Doors	645.86	54.56
08 33 23 13-0912 EA Motion Detector For High-Speed Rolling Doors	536.75	36.37
08 33 23 13-0913 EA Remote Warning Horn For High-Speed Rolling Doors..... Note: Includes wall box and mounting hardware.	389.88	60.62
08 33 23 13-0914 EA Remote Strobe Light For High-Speed Rolling Doors	518.09	60.62
08 33 23 13-0915 EA Remote Warning Horn And Strobe Light For High-Speed Rolling Doors..... Note: Includes wall box and mounting hardware.	585.25	60.62
08 33 23 13-0916 EA Red And Green Red Light For High-Speed Rolling Doors	719.56	60.62
Note: Includes mounting hardware.		
08 33 26 Overhead Coiling Grilles (08 33)		
Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0951 for forklift.		
08 33 26 00-0001 Galvanized Steel Overhead Coiling Grilles (Width x Height) (08 33 26)		
08 33 26 00-0002 EA 4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,490.94 276.11 195.77 265.00	227.75
08 33 26 00-0003 EA 6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,819.38 325.38 293.66 358.90	227.75
08 33 26 00-0004 EA 8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,394.49 387.05 391.54 452.79	284.68
08 33 26 00-0005 EA 12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,868.16 458.10 436.11 640.57	284.68
08 33 26 00-0006 EA 16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,332.46 604.34 783.08 903.35	455.50
08 33 26 00-0007 EA 20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,627.46 750.59 978.85 1,166.12	569.37
08 33 26 00-0008 EA 24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	8,350.15 959.94 1,174.62 1,311.74	683.24
08 33 26 00-0009 EA 30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	10,180.40 1,170.31 1,360.48 1,430.63	835.08
08 33 26 00-0010 EA 4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,729.00 311.82 244.71 314.83	227.75
08 33 26 00-0011 EA 6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,164.29 377.12 367.06 447.08	227.75
08 33 26 00-0012 EA 8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,776.78 444.75 489.43 579.32	284.68
08 33 26 00-0013 EA 12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,369.99 533.73 734.14 843.82	284.68
08 33 26 00-0014 EA 16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,991.76 703.24 978.85 1,163.51	455.50
08 33 26 00-0015 EA 20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	7,441.79 872.74 1,223.56 1,483.19	569.37
08 33 26 00-0016 EA 24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	9,334.04 1,107.52 1,468.46 1,717.65	683.24
08 33 26 00-0017 EA 30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	11,699.63 1,398.20 1,719.35 1,924.15	835.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0018 EA 4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,001.61 352.71 293.66 363.93	227.75
08 33 26 00-0019 EA 6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,080.52 364.55 440.48 533.78	227.75
08 33 26 00-0020 EA 8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,752.85 440.80 587.30 703.62	284.68
08 33 26 00-0021 EA 12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,939.07 618.73 880.93 1,043.32	284.68
08 33 26 00-0022 EA 16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,923.76 843.04 1,174.61 1,450.52	455.50
08 33 26 00-0023 EA 20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,739.15 1,067.34 1,468.27 1,857.71	569.37
08 33 26 00-0024 EA 24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	10,594.84 1,296.64 1,761.93 1,964.27	683.24
08 33 26 00-0025 EA 30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	13,200.64 1,623.35 2,041.81 2,140.09	835.08
08 33 26 00-0026 EA 4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,489.20 425.85 342.47 673.13	227.75
08 33 26 00-0027 EA 6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,021.56 505.71 513.81 826.52	227.75
08 33 26 00-0028 EA 8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,721.34 586.44 685.13 962.42	284.68
08 33 26 00-0029 EA 12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,839.65 754.18 1,027.79 1,220.42	284.68
08 33 26 00-0030 EA 16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,853.65 982.52 1,370.39 1,632.70	455.50
08 33 26 00-0031 EA 20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,695.93 1,210.86 1,712.98 2,044.98	569.37
08 33 26 00-0032 EA 24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,588.22 1,445.65 2,055.58 2,319.23	683.24
08 33 26 00-0033 EA 30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	14,818.97 1,866.10 2,426.63 2,649.83	835.08
08 33 26 00-0034 Coiling Grilles Accessories <small>(08 33 26)</small>		
08 33 26 00-0035 LF For Overhead Framed Rolling Grille Supports.....	116.78	
08 33 36 Side Coiling Grilles <small>(08 33)</small>		
08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) <small>(08 33 36)</small>		
08 33 36 00-0002 EA 12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,270.95 367.69 587.31 640.57	636.83
08 33 36 00-0003 EA 18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,936.45 539.87 900.88 1,025.98	818.05
08 33 36 00-0004 EA 24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,674.27 709.08 1,174.62 1,311.74	1,031.48

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0005	EA		30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	9,163.88	1,138.74
			<i>For Lexan Lattice Pattern, Add</i>	886.36	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,360.48	
			<i>For Staggered Brick Pattern, Add</i>	1,430.63	
08 33 36 00-0006	EA		12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	5,136.38	726.08
			<i>For Lexan Lattice Pattern, Add</i>	459.29	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	734.14	
			<i>For Staggered Brick Pattern, Add</i>	843.82	
08 33 36 00-0007	EA		18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	7,167.57	932.57
			<i>For Lexan Lattice Pattern, Add</i>	675.24	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,081.20	
			<i>For Staggered Brick Pattern, Add</i>	1,281.32	
08 33 36 00-0008	EA		24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	9,161.31	1,175.50
			<i>For Lexan Lattice Pattern, Add</i>	870.24	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,468.46	
			<i>For Staggered Brick Pattern, Add</i>	1,717.65	
08 33 36 00-0009	EA		30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	11,108.43	1,298.16
			<i>For Lexan Lattice Pattern, Add</i>	1,107.62	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,719.35	
			<i>For Staggered Brick Pattern, Add</i>	1,924.15	
08 33 36 00-0010	EA		12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	6,012.73	818.05
			<i>For Lexan Lattice Pattern, Add</i>	551.31	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	880.93	
			<i>For Staggered Brick Pattern, Add</i>	1,043.32	
08 33 36 00-0011	EA		18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	8,405.88	1,050.68
			<i>For Lexan Lattice Pattern, Add</i>	809.00	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,300.71	
			<i>For Staggered Brick Pattern, Add</i>	1,590.79	
08 33 36 00-0012	EA		24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	10,856.51	1,324.73
			<i>For Lexan Lattice Pattern, Add</i>	1,063.63	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,761.93	
			<i>For Staggered Brick Pattern, Add</i>	1,964.27	
08 33 36 00-0013	EA		30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	13,041.18	1,461.38
			<i>For Lexan Lattice Pattern, Add</i>	1,329.53	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,041.81	
			<i>For Staggered Brick Pattern, Add</i>	2,140.09	
08 33 36 00-0014	EA		12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	6,879.66	904.48
			<i>For Lexan Lattice Pattern, Add</i>	644.62	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,027.79	
			<i>For Staggered Brick Pattern, Add</i>	1,220.42	
08 33 36 00-0015	EA		18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	9,643.07	1,161.51
			<i>For Lexan Lattice Pattern, Add</i>	944.37	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,486.55	
			<i>For Staggered Brick Pattern, Add</i>	1,767.48	
08 33 36 00-0016	EA		24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	12,443.86	1,464.41
			<i>For Lexan Lattice Pattern, Add</i>	1,240.90	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,055.58	
			<i>For Staggered Brick Pattern, Add</i>	2,319.23	
08 33 36 00-0017	EA		30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	14,954.32	1,617.00
			<i>For Lexan Lattice Pattern, Add</i>	1,550.32	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,426.63	
			<i>For Staggered Brick Pattern, Add</i>	2,649.83	

08 33 43 Overhead Coiling Smoke Curtains (08 33)

08 33 43 00-0001			Elevator Smoke Guard (08 33 43)		
08 33 43 00-0002	EA		Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400)	14,616.42	636.83
08 33 43 00-0003	EA		Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400)	15,158.14	636.83
08 33 43 00-0004	EA		Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400)	15,699.87	636.83

08 34 Special Function Doors (08 30)

08 34 13 Cold Storage Doors (08 34)

08 34 13 00-0001			Vertical Sliding Cold Storage Doors (08 34 13)		
			Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0002	EA		7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	7,514.79	1,159.55
			<i>For Adjusting Height Of Door To Fit Opening <7' Height, Add</i>	578.65	
08 34 13 00-0003	EA		7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane	9,633.98	1,472.07
			<i>For Adjusting Height Of Door To Fit Opening <7' Height, Add</i>	736.04	
08 34 13 00-0004			Horizontal Sliding Cold Storage Doors (08 34 13)		
			Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0005	EA		6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	6,034.04	926.08
08 34 13 00-0006	EA		7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	6,802.16	1,044.29
08 34 13 00-0007	EA		7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	8,803.59	1,376.24
08 34 13 00-0008	EA		5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,277.36	841.43

08 34 13 00-0009 Swinging Horizontal Hinged Cold Storage Doors (08 34 13)

			Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0010	EA		3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane	3,063.50	547.32



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				08 34 16 Hangar Doors (08 34)		
08 34 16 00-0001	SF			70' To 120' Wide X To 20' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	73.39	17.82
08 34 16 00-0002	SF			120' To 180' Wide X To 20' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	65.68	17.82
08 34 16 00-0003	SF			120' To 180' Wide X 20-40' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	68.19	3.82
08 34 16 00-0004	SF			120' To 180' Wide X 40-60' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	72.37	2.55
08 34 16 00-0005	SF			120' To 180' Wide X 60-80' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	77.12	2.55
08 34 16 00-0006	SF			120' To 180' Wide x >80' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	121.63	2.55
				08 34 23 Sidewalk and Basement Doors (08 34)		
				08 34 23 00-0001 Drainage Doors (08 34 23)		
				08 34 23 00-0002 Single Leaf Aluminum Drainage Doors (08 34 23 00-0001)		
				Note: Bilco - J Series.		
08 34 23 00-0003	EA			2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,205.15	215.94
08 34 23 00-0004	EA			2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,471.55	225.64
08 34 23 00-0005	EA			3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,560.26	230.48
08 34 23 00-0006	EA			3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,715.69	235.33
08 34 23 00-0007	EA			3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,993.10	247.46
08 34 23 00-0008	EA			2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,029.07	241.76
08 34 23 00-0009	EA			3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,252.34	247.46
08 34 23 00-0010	EA			2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,349.73	253.16
08 34 23 00-0011	EA			3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,573.03	258.86
08 34 23 00-0012	EA			3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,980.01	273.40
				08 34 23 00-0013 Double Leaf Aluminum Drainage Doors (08 34 23 00-0001)		
				Note: Bilco - JD Series.		
08 34 23 00-0014	EA			4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,399.41	241.76
08 34 23 00-0015	EA			4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,521.18	258.86
08 34 23 00-0016	EA			4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	3,187.01	287.96
08 34 23 00-0017	EA			5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	3,275.89	287.96
				08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)		
				Note: Bilco - J H2O Series.		
08 34 23 00-0019	EA			2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,893.98	215.94
08 34 23 00-0020	EA			2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,204.83	225.64
08 34 23 00-0021	EA			3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,397.28	230.48
08 34 23 00-0022	EA			3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,708.25	235.33
08 34 23 00-0023	EA			3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,126.40	247.46
				08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)		
				Note: Bilco - JD H2O Series.		
08 34 23 00-0025	EA			4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1ALH2O).....	3,125.29	241.76
08 34 23 00-0026	EA			4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2ALH2O).....	4,165.50	258.86
08 34 23 00-0027	EA			4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3ALH2O).....	5,905.32	287.96
08 34 23 00-0028	EA			5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4ALH2O).....	5,564.61	287.96
				08 34 23 00-0029 Single Leaf Steel Drainage Doors (08 34 23 00-0001)		
				Note: Bilco - J Series.		
08 34 23 00-0030	EA			2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door (Bilco J-1).....	1,643.75	215.94
08 34 23 00-0031	EA			2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-2)	1,726.76	225.64
08 34 23 00-0032	EA			3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-3).....	1,919.78	230.48
08 34 23 00-0033	EA			3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-4).....	2,122.63	235.33
08 34 23 00-0034	EA			3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-5).....	2,463.47	247.46
08 34 23 00-0035	EA			2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-6).....	2,347.44	241.76
08 34 23 00-0036	EA			3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-7).....	2,668.81	247.46
08 34 23 00-0037	EA			2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-8).....	2,657.76	253.16
08 34 23 00-0038	EA			3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-9).....	2,959.60	258.86
08 34 23 00-0039	EA			3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-10).....	3,157.42	273.40
				08 34 23 00-0040 Double Leaf Steel Drainage Doors (08 34 23 00-0001)		
				Note: Bilco - JD Series.		
08 34 23 00-0041	EA			4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1).....	2,875.45	241.76
08 34 23 00-0042	EA			4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2).....	3,018.27	258.86
08 34 23 00-0043	EA			4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3).....	3,756.15	287.96
08 34 23 00-0044	EA			5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4).....	3,863.70	287.96



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 34 23 00-0045	Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA 2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-1H2O).....	2,777.98	215.94
08 34 23 00-0047	EA 2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-2H2O).....	2,939.22	225.64
08 34 23 00-0048	EA 3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-3H2O).....	3,044.28	230.48
08 34 23 00-0049	EA 3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-4H2O).....	3,579.58	235.33
08 34 23 00-0050	EA 3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-5H2O).....	4,213.76	247.46
08 34 23 00-0051	Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA 4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1H2O).....	4,635.47	241.76
08 34 23 00-0053	EA 4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2H2O).....	5,179.18	258.86
08 34 23 00-0054	EA 4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3H2O).....	7,677.08	287.96
08 34 23 00-0055	EA 5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4H2O).....	7,481.53	287.96
08 34 23 00-0056	Single Leaf Aluminum Drainage Door (08 34 23 00-0001) Note: Bilco - J-R (Odor Resistant).		
08 34 23 00-0057	EA 2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-1ALR).....	2,971.36	215.94
08 34 23 00-0058	EA 2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-2ALR).....	3,568.15	225.64
08 34 23 00-0059	EA 3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-3ALR).....	3,796.38	230.48
08 34 23 00-0060	EA 3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-4ALR).....	4,028.91	235.33
08 34 23 00-0061	EA 3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-5ALR).....	4,582.55	247.46
08 34 23 00-0062	Non-Drainage Doors (08 34 23)		
08 34 23 00-0063	Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - Q Series.		
08 34 23 00-0064	EA 2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-1AL).....	1,160.80	215.94
08 34 23 00-0065	EA 2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-2AL).....	1,397.48	225.64
08 34 23 00-0066	EA 2' 6" x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-3AL).....	1,493.68	230.48
08 34 23 00-0067	EA 3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-4AL).....	1,552.78	235.33
08 34 23 00-0068	EA 3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-5AL).....	1,941.25	247.46
08 34 23 00-0069	EA 2' 6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-6AL).....	1,755.06	241.76
08 34 23 00-0070	EA 3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-7AL).....	1,956.07	247.46
08 34 23 00-0071	EA 2' 6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-8AL).....	2,186.64	253.16
08 34 23 00-0072	EA 3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-9AL).....	2,313.89	258.86
08 34 23 00-0073	EA 3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-10AL).....	2,624.81	273.40
08 34 23 00-0074	Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - K Series.		
08 34 23 00-0075	EA 2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-1).....	960.82	215.94
08 34 23 00-0076	EA 2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-2).....	1,145.65	225.64
08 34 23 00-0077	EA 3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-3).....	1,264.07	230.48
08 34 23 00-0078	EA 3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-4).....	1,345.39	235.33
08 34 23 00-0079	EA 3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-5).....	1,556.10	247.46
08 34 23 00-0080	Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - QD Series.		
08 34 23 00-0081	EA 4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco QD-1AL).....	2,214.28	241.76
08 34 23 00-0082	Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - KD Series.		
08 34 23 00-0083	EA 4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	2,128.72	258.86
08 34 23 00-0084	EA 4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco KD-3).....	2,972.33	287.96
08 34 23 00-0085	EA 5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco KD-4).....	3,031.58	287.96
08 34 23 00-0086	Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - T Series.		
08 34 23 00-0087	EA 2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-1).....	1,049.70	215.94
08 34 23 00-0088	EA 2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-2).....	1,219.72	225.64
08 34 23 00-0089	EA 3' x 2' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-3).....	1,301.10	230.48
08 34 23 00-0090	EA 3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-4).....	1,419.46	235.33
08 34 23 00-0091	EA 3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-5).....	1,652.39	247.46
08 34 23 00-0092	Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - TD Series.		
08 34 23 00-0093	EA 4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-2).....	2,254.64	258.86
08 34 23 00-0094	EA 4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-3).....	3,127.87	287.96
08 34 23 00-0095	EA 5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-4).....	3,172.31	287.96
08 34 23 00-0096	Single Leaf Steel Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - Q Series.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0097 EA 2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-1).....	1,135.40	215.94
08 34 23 00-0098 EA 2' 6" x 2' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-2).....	1,267.20	225.64
08 34 23 00-0099 EA 3' x 2' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-3).....	1,421.19	230.48
08 34 23 00-0100 EA 3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-4).....	1,506.66	235.33
08 34 23 00-0101 EA 3' 6" x 3' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-5).....	2,280.95	247.46
08 34 23 00-0102 EA 2' 6" x 4' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door	1,712.00	235.33
08 34 23 00-0103 Double Leaf Steel Non-Drainage Doors (08 34 23 00-0062)		
Note: Bilco - QD Series.		
08 34 23 00-0104 EA 4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco QD-1).....	2,259.44	241.76
08 34 23 00-0105 Basement Doors (08 34 23)		
Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0106 EA 45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series).....	1,579.10	272.80
08 34 23 00-0107 EA 30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series).....	1,303.23	206.72
08 34 23 00-0108 EA 22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series).....	1,358.17	227.33
08 34 23 00-0109 EA 19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series).....	1,451.10	242.49
08 34 23 00-0110 EA 52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series).....	1,607.52	272.80
08 34 49 Radiation Shielding Doors and Frames (08 34)		
08 34 49 13 Neutron Shielding Doors and Frames (08 34 49)		
08 34 49 13-0001 Lead Lined Doors And Frames (08 34 49 13)		
08 34 49 13-0002 SF 1/16" Thick Laminated Lead In Wood Door	123.34	12.13
08 34 49 13-0003 SF 1/8" Thick Laminated Lead In Wood Door	151.25	12.13
08 34 49 13-0004 LF 1/16" Thick Lead Lined Door Frame	133.70	12.13
08 34 49 13-0005 LF 1/8" Thick Lead Lined Door Frame	143.00	12.13
08 34 53 Security Doors and Frames (08 34)		
08 34 53 00-0001 Metal Security Doors, Bullet Resistant (08 34 53)		
Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.		
08 34 53 00-0002 SF Metal Security Door	75.79	8.90
08 34 53 00-0003 EA Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door.....	3,104.71	444.11
08 34 53 00-0004 EA Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door.....	3,681.88	471.43
08 34 53 00-0005 Metal Security Doors (08 34 53)		
Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0006 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O).....	944.88	81.34
Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		
08 34 53 00-0007 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O).....	944.88	81.34
Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.		
08 34 53 00-0008 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O).....	1,336.00	81.34
Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.		
08 34 56 Security Gates (08 34)		
08 34 56 00-0001 Pivoting Double Folding Gate (08 34 56)		
Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002 EA 6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,107.07	230.86
08 34 56 00-0003 EA 8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,243.00	259.72
08 34 56 00-0004 EA 8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,339.84	288.58
08 34 56 00-0005 EA 8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,475.75	317.44
08 34 56 00-0006 EA 10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,249.57	233.75
08 34 56 00-0007 EA 10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,346.63	262.61
08 34 56 00-0008 EA 10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,476.73	291.47
08 34 56 00-0009 EA 10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,579.97	320.32
08 34 56 00-0010 EA 12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,313.98	236.63
08 34 56 00-0011 EA 12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,410.74	265.49
08 34 56 00-0012 EA 12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,488.57	279.92
08 34 56 00-0013 EA 12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,566.72	294.36
08 34 56 00-0014 EA 12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,673.36	323.21
08 34 56 00-0015 EA 14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,437.20	239.52
08 34 56 00-0016 EA 14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,533.62	268.38
08 34 56 00-0017 EA 14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,621.16	282.80
08 34 56 00-0018 EA 14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,729.25	297.24
08 34 56 00-0019 EA 14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,884.18	326.09
08 34 56 00-0020 EA 16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,624.92	245.29
08 34 56 00-0021 EA 16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,746.53	277.03
08 34 56 00-0022 EA 16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,878.87	294.36
08 34 56 00-0023 EA 16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,956.09	303.01
08 34 56 00-0024 Pivoting Single Folding Gate (08 34 56)		
Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		

08	Openings
08 30	Specialty Doors and Frames
08 34	Special Function Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0025	EA		5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	753.45	161.60
08 34 56 00-0026	EA		5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	804.10	167.37
08 34 56 00-0027	EA		5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	854.75	173.14
08 34 56 00-0028	EA		5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	916.98	184.69
08 34 56 00-0029	EA		5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	959.61	196.23
08 34 56 00-0030	EA		6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	803.93	167.37
08 34 56 00-0031	EA		6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	854.83	173.14
08 34 56 00-0032	EA		6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	905.49	178.92
08 34 56 00-0033	EA		6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	967.63	190.46
08 34 56 00-0034	EA		6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,010.55	202.00
08 34 56 00-0035	EA		7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	874.13	173.14
08 34 56 00-0036	EA		7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	925.05	178.92
08 34 56 00-0037	EA		7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	975.62	184.69
08 34 56 00-0038	EA		7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,037.96	196.23
08 34 56 00-0039	EA		7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,100.42	207.77

08 34 56 00-0040 Window Gates, Expands From 2' To 4' (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0041	EA		33" High Window Gate, Up To 4' Wide Opening	305.49	63.49
08 34 56 00-0042	EA		37" High Window Gate, Up To 4' Wide Opening	317.05	69.26
08 34 56 00-0043	EA		40" High Window Gate, Up To 4' Wide Opening	317.05	69.26
08 34 56 00-0044	EA		43" High Window Gate, Up To 4' Wide Opening	329.35	75.03
08 34 56 00-0045	EA		46" High Window Gate, Up To 4' Wide Opening	329.35	75.03
08 34 56 00-0046	EA		49" High Window Gate, Up To 4' Wide Opening	340.90	80.80
08 34 56 00-0047	EA		51" High Window Gate, Up To 4' Wide Opening	340.90	80.80
08 34 56 00-0048	EA		53" High Window Gate, Up To 4' Wide Opening	352.43	86.57
08 34 56 00-0049	EA		55" High Window Gate, Up To 4' Wide Opening	352.43	86.57
08 34 56 00-0050	EA		57" High Window Gate, Up To 4' Wide Opening	363.98	92.34
08 34 56 00-0051	EA		59" High Window Gate, Up To 4' Wide Opening	363.98	92.34

08 34 56 00-0052 Pivoting Door Gate, Expands From 2' To 4' (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0053	EA		61" High Pivoting Door Gate, Up To 4' Wide Opening	375.53	98.12
08 34 56 00-0054	EA		63" High Pivoting Door Gate, Up To 4' Wide Opening	377.91	98.12
08 34 56 00-0055	EA		66" High Pivoting Door Gate, Up To 4' Wide Opening	392.62	103.89
08 34 56 00-0056	EA		71" High Pivoting Door Gate, Up To 4' Wide Opening	407.33	109.66
08 34 56 00-0057	EA		73" High Pivoting Door Gate, Up To 4' Wide Opening	410.50	109.66
08 34 56 00-0058	EA		76" High Pivoting Door Gate, Up To 4' Wide Opening	425.21	115.43
08 34 56 00-0059	EA		79" High Pivoting Door Gate, Up To 4' Wide Opening	428.37	115.43
08 34 56 00-0060	EA		81" High Pivoting Door Gate, Up To 4' Wide Opening	442.10	121.20
08 34 56 00-0061	EA		83" High Pivoting Door Gate, Up To 4' Wide Opening	446.25	121.20

08 34 73 Sound Control Door Assemblies (08 34)

08 34 73 13 Metal Sound Control Door Assemblies (08 34 73)

08 34 73 13-0001 Steel Acoustical Door Assembly (08 34 73 13)

Note: Includes seal.

08 34 73 13-0002 Steel Acoustical Doors (08 34 73 13-0001)

Note: Includes hardware: cam lift hinges and seals. Excludes hardware: locksets, closer, electromagnetic release, etc.

08 34 73 13-0003	EA		3' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated)	3,583.69	218.24
			For 3" x 33" Vision Lite, Add	1,320.95	
			For 20" x 64" Vision Lite, Add	1,413.57	
			For 8' Height, Add	448.48	
			For 14 Gauge, Add	424.87	
			For 45 Minutes Fire Rated, Add	188.83	
			For 60 Minutes Fire Rated, Add	283.25	
			For 90 Minutes Fire Rated, Add	472.08	
			For 120 Minutes Fire Rated, Add	660.91	
			For 45 STC Rating, Deduct	-1,070.05	
			For 48 STC Rating, Deduct	-566.50	
			For 52 STC Rating, Add	440.61	
			For 55 STC Rating, Add	1,195.94	
08 34 73 13-0004	EA		3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated)	3,791.97	227.33
			For 3" x 33" Vision Lite, Add	1,320.95	
			For 20" x 64" Vision Lite, Add	1,413.57	
			For 8' Height, Add	475.57	
			For 14 Gauge, Add	450.54	
			For 45 Minutes Fire Rated, Add	200.24	
			For 60 Minutes Fire Rated, Add	300.36	
			For 90 Minutes Fire Rated, Add	500.60	
			For 120 Minutes Fire Rated, Add	700.84	
			For 45 STC Rating, Deduct	-1,134.69	
			For 48 STC Rating, Deduct	-600.72	
			For 52 STC Rating, Add	467.22	
			For 55 STC Rating, Add	1,268.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0005	EA			4' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	4,018.45	245.52
				For 3" x 33" Vision Lite, Add	1,320.95	
				For 20" x 64" Vision Lite, Add	1,413.57	
				For 8' Height, Add	502.66	
				For 14 Gauge, Add	476.20	
				For 45 Minutes Fire Rated, Add	211.64	
				For 60 Minutes Fire Rated, Add	317.47	
				For 90 Minutes Fire Rated, Add	529.11	
				For 120 Minutes Fire Rated, Add	740.76	
				For 45 STC Rating, Deduct	-1,199.32	
				For 48 STC Rating, Deduct	-634.93	
				For 52 STC Rating, Add	493.84	
				For 55 STC Rating, Add	1,340.42	
08 34 73 13-0006	PR			Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors (Unrated).....	7,123.74	414.66
				For 3" x 33" Windows, Add	2,641.91	
				For 20" x 64" Windows, Add	2,827.13	
				For 8' Height, Add	896.96	
				For 14 Gauge, Add	849.75	
				For 45 Minutes Fire Rated, Add	377.67	
				For 60 Minutes Fire Rated, Add	566.50	
				For 90 Minutes Fire Rated, Add	944.16	
				For 120 Minutes Fire Rated, Add	1,321.83	
				For 45 STC Rating, Deduct	-2,140.11	
				For 48 STC Rating, Deduct	-1,133.00	
				For 52 STC Rating, Add	881.22	
				For 55 STC Rating, Add	2,391.88	
08 34 73 13-0007	PR			Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	7,511.21	418.29
				For 3" x 33" Vision Lite, Add	1,320.95	
				For 20" x 64" Vision Lite, Add	1,413.57	
				For 8' Height, Add	951.13	
				For 14 Gauge, Add	901.08	
				For 45 Minutes Fire Rated, Add	400.48	
				For 60 Minutes Fire Rated, Add	600.72	
				For 90 Minutes Fire Rated, Add	1,001.19	
				For 120 Minutes Fire Rated, Add	1,401.67	
				For 45 STC Rating, Deduct	-2,269.37	
				For 48 STC Rating, Deduct	-1,201.43	
				For 52 STC Rating, Add	934.45	
				For 55 STC Rating, Add	2,536.36	
08 34 73 13-0008				Steel Acoustical Door Frames (08 34 73 13-0001)		
				Note: Includes threshold		
08 34 73 13-0009	EA			3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,462.28	121.25
				For 8' Height, Add	255.28	
				For 45 Minutes Fire Rated, Add	155.39	
				For 60 Minutes Fire Rated, Add	266.37	
				For 90 Minutes Fire Rated, Add	377.36	
				For 120 Minutes Fire Rated, Add	532.75	
08 34 73 13-0010	EA			3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,525.15	121.25
				For 8' Height, Add	262.51	
				For 45 Minutes Fire Rated, Add	159.79	
				For 60 Minutes Fire Rated, Add	273.92	
				For 90 Minutes Fire Rated, Add	388.05	
				For 120 Minutes Fire Rated, Add	547.84	
08 34 73 13-0011	EA			3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,588.03	121.25
				For 8' Height, Add	269.74	
				For 45 Minutes Fire Rated, Add	164.19	
				For 60 Minutes Fire Rated, Add	281.46	
				For 90 Minutes Fire Rated, Add	398.74	
				For 120 Minutes Fire Rated, Add	562.93	
08 34 73 13-0012	EA			3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,650.91	121.25
				For 8' Height, Add	276.97	
				For 45 Minutes Fire Rated, Add	168.59	
				For 60 Minutes Fire Rated, Add	289.01	
				For 90 Minutes Fire Rated, Add	409.43	
				For 120 Minutes Fire Rated, Add	578.02	
08 34 73 13-0013	EA			3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,814.08	133.37
				For 8' Height, Add	292.94	
				For 45 Minutes Fire Rated, Add	178.31	
				For 60 Minutes Fire Rated, Add	305.68	
				For 90 Minutes Fire Rated, Add	433.05	
				For 120 Minutes Fire Rated, Add	611.36	
08 34 73 13-0014	EA			3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,884.27	133.37
				For 8' Height, Add	301.02	
				For 45 Minutes Fire Rated, Add	183.23	
				For 60 Minutes Fire Rated, Add	314.10	
				For 90 Minutes Fire Rated, Add	444.98	
				For 120 Minutes Fire Rated, Add	628.21	
08 34 73 13-0015	EA			3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	2,947.15	133.37
				For 8' Height, Add	308.25	
				For 45 Minutes Fire Rated, Add	187.63	
				For 60 Minutes Fire Rated, Add	321.65	
				For 90 Minutes Fire Rated, Add	455.67	
				For 120 Minutes Fire Rated, Add	643.30	

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0016	EA		3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,025.14	133.37
			<i>For 8' Height, Add</i>	317.22	
			<i>For 45 Minutes Fire Rated, Add</i>	193.09	
			<i>For 60 Minutes Fire Rated, Add</i>	331.01	
			<i>For 90 Minutes Fire Rated, Add</i>	468.93	
			<i>For 120 Minutes Fire Rated, Add</i>	662.02	
08 34 73 13-0017	EA		4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,169.85	139.43
			<i>For 8' Height, Add</i>	332.46	
			<i>For 45 Minutes Fire Rated, Add</i>	202.37	
			<i>For 60 Minutes Fire Rated, Add</i>	346.92	
			<i>For 90 Minutes Fire Rated, Add</i>	491.47	
			<i>For 120 Minutes Fire Rated, Add</i>	693.84	
08 34 73 13-0018	EA		4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,232.72	139.43
			<i>For 8' Height, Add</i>	339.69	
			<i>For 45 Minutes Fire Rated, Add</i>	206.77	
			<i>For 60 Minutes Fire Rated, Add</i>	354.46	
			<i>For 90 Minutes Fire Rated, Add</i>	502.16	
			<i>For 120 Minutes Fire Rated, Add</i>	708.93	
08 34 73 13-0019	EA		4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,295.60	139.43
			<i>For 8' Height, Add</i>	346.93	
			<i>For 45 Minutes Fire Rated, Add</i>	211.17	
			<i>For 60 Minutes Fire Rated, Add</i>	362.01	
			<i>For 90 Minutes Fire Rated, Add</i>	512.85	
			<i>For 120 Minutes Fire Rated, Add</i>	724.02	
08 34 73 13-0020	EA		4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,365.79	139.43
			<i>For 8' Height, Add</i>	355.00	
			<i>For 45 Minutes Fire Rated, Add</i>	216.09	
			<i>For 60 Minutes Fire Rated, Add</i>	370.43	
			<i>For 90 Minutes Fire Rated, Add</i>	524.78	
			<i>For 120 Minutes Fire Rated, Add</i>	740.86	
08 34 73 13-0021	EA		6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,576.63	157.62
			<i>For 8' Height, Add</i>	605.06	
			<i>For 45 Minutes Fire Rated, Add</i>	368.30	
			<i>For 60 Minutes Fire Rated, Add</i>	631.37	
			<i>For 90 Minutes Fire Rated, Add</i>	894.44	
			<i>For 120 Minutes Fire Rated, Add</i>	1,262.73	
08 34 73 13-0022	EA		6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,636.58	157.62
			<i>For 8' Height, Add</i>	611.95	
			<i>For 45 Minutes Fire Rated, Add</i>	372.49	
			<i>For 60 Minutes Fire Rated, Add</i>	638.56	
			<i>For 90 Minutes Fire Rated, Add</i>	904.63	
			<i>For 120 Minutes Fire Rated, Add</i>	1,277.12	
08 34 73 13-0023	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,700.92	157.62
			<i>For 8' Height, Add</i>	619.35	
			<i>For 45 Minutes Fire Rated, Add</i>	377.00	
			<i>For 60 Minutes Fire Rated, Add</i>	646.28	
			<i>For 90 Minutes Fire Rated, Add</i>	915.57	
			<i>For 120 Minutes Fire Rated, Add</i>	1,292.56	
08 34 73 13-0024	EA		6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,766.73	157.62
			<i>For 8' Height, Add</i>	626.92	
			<i>For 45 Minutes Fire Rated, Add</i>	381.60	
			<i>For 60 Minutes Fire Rated, Add</i>	654.18	
			<i>For 90 Minutes Fire Rated, Add</i>	926.75	
			<i>For 120 Minutes Fire Rated, Add</i>	1,308.36	
08 34 73 13-0025	EA		7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,983.35	163.68
			<i>For 8' Height, Add</i>	650.44	
			<i>For 45 Minutes Fire Rated, Add</i>	395.92	
			<i>For 60 Minutes Fire Rated, Add</i>	678.72	
			<i>For 90 Minutes Fire Rated, Add</i>	961.52	
			<i>For 120 Minutes Fire Rated, Add</i>	1,357.44	
08 34 73 13-0026	EA		7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,047.80	163.68
			<i>For 8' Height, Add</i>	657.85	
			<i>For 45 Minutes Fire Rated, Add</i>	400.43	
			<i>For 60 Minutes Fire Rated, Add</i>	686.45	
			<i>For 90 Minutes Fire Rated, Add</i>	972.47	
			<i>For 120 Minutes Fire Rated, Add</i>	1,372.91	
08 34 73 13-0027	EA		7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,116.97	163.68
			<i>For 8' Height, Add</i>	665.81	
			<i>For 45 Minutes Fire Rated, Add</i>	405.27	
			<i>For 60 Minutes Fire Rated, Add</i>	694.75	
			<i>For 90 Minutes Fire Rated, Add</i>	984.23	
			<i>For 120 Minutes Fire Rated, Add</i>	1,389.51	
08 34 73 13-0028	EA		7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,187.71	163.68
			<i>For 8' Height, Add</i>	673.94	
			<i>For 45 Minutes Fire Rated, Add</i>	410.22	
			<i>For 60 Minutes Fire Rated, Add</i>	703.24	
			<i>For 90 Minutes Fire Rated, Add</i>	996.26	
			<i>For 120 Minutes Fire Rated, Add</i>	1,406.48	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0029	EA			3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,708.92	121.25
				For 8' Height, Add	283.64	
				For 45 Minutes Fire Rated, Add	172.65	
				For 60 Minutes Fire Rated, Add	295.97	
				For 90 Minutes Fire Rated, Add	419.29	
				For 120 Minutes Fire Rated, Add	591.94	
08 34 73 13-0030	EA			3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,778.78	121.25
				For 8' Height, Add	291.67	
				For 45 Minutes Fire Rated, Add	177.54	
				For 60 Minutes Fire Rated, Add	304.35	
				For 90 Minutes Fire Rated, Add	431.17	
				For 120 Minutes Fire Rated, Add	608.71	
08 34 73 13-0031	EA			3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,848.65	121.25
				For 8' Height, Add	299.71	
				For 45 Minutes Fire Rated, Add	182.43	
				For 60 Minutes Fire Rated, Add	312.74	
				For 90 Minutes Fire Rated, Add	443.05	
				For 120 Minutes Fire Rated, Add	625.48	
08 34 73 13-0032	EA			3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,918.52	121.25
				For 8' Height, Add	307.74	
				For 45 Minutes Fire Rated, Add	187.32	
				For 60 Minutes Fire Rated, Add	321.12	
				For 90 Minutes Fire Rated, Add	454.93	
				For 120 Minutes Fire Rated, Add	642.25	
08 34 73 13-0033	EA			3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,097.12	133.37
				For 8' Height, Add	325.49	
				For 45 Minutes Fire Rated, Add	198.13	
				For 60 Minutes Fire Rated, Add	339.65	
				For 90 Minutes Fire Rated, Add	481.16	
				For 120 Minutes Fire Rated, Add	679.29	
08 34 73 13-0034	EA			3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,175.11	133.37
				For 8' Height, Add	334.46	
				For 45 Minutes Fire Rated, Add	203.59	
				For 60 Minutes Fire Rated, Add	349.00	
				For 90 Minutes Fire Rated, Add	494.42	
				For 120 Minutes Fire Rated, Add	698.01	
08 34 73 13-0035	EA			3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,244.98	133.37
				For 8' Height, Add	342.50	
				For 45 Minutes Fire Rated, Add	208.48	
				For 60 Minutes Fire Rated, Add	357.39	
				For 90 Minutes Fire Rated, Add	506.30	
				For 120 Minutes Fire Rated, Add	714.78	
08 34 73 13-0036	EA			3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,331.63	133.37
				For 8' Height, Add	352.46	
				For 45 Minutes Fire Rated, Add	214.54	
				For 60 Minutes Fire Rated, Add	367.79	
				For 90 Minutes Fire Rated, Add	521.03	
				For 120 Minutes Fire Rated, Add	735.57	
08 34 73 13-0037	EA			4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,491.07	139.43
				For 8' Height, Add	369.40	
				For 45 Minutes Fire Rated, Add	224.85	
				For 60 Minutes Fire Rated, Add	385.47	
				For 90 Minutes Fire Rated, Add	546.08	
				For 120 Minutes Fire Rated, Add	770.93	
08 34 73 13-0038	EA			4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,560.93	139.43
				For 8' Height, Add	377.44	
				For 45 Minutes Fire Rated, Add	229.74	
				For 60 Minutes Fire Rated, Add	393.85	
				For 90 Minutes Fire Rated, Add	557.95	
				For 120 Minutes Fire Rated, Add	787.70	
08 34 73 13-0039	EA			4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,630.80	139.43
				For 8' Height, Add	385.47	
				For 45 Minutes Fire Rated, Add	234.64	
				For 60 Minutes Fire Rated, Add	402.23	
				For 90 Minutes Fire Rated, Add	569.83	
				For 120 Minutes Fire Rated, Add	804.47	
08 34 73 13-0040	EA			4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,708.79	139.43
				For 8' Height, Add	394.44	
				For 45 Minutes Fire Rated, Add	240.10	
				For 60 Minutes Fire Rated, Add	411.59	
				For 90 Minutes Fire Rated, Add	583.09	
				For 120 Minutes Fire Rated, Add	823.18	
08 34 73 13-0041	EA			6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,161.23	157.62
				For 8' Height, Add	672.29	
				For 45 Minutes Fire Rated, Add	409.22	
				For 60 Minutes Fire Rated, Add	701.52	
				For 90 Minutes Fire Rated, Add	993.82	
				For 120 Minutes Fire Rated, Add	1,403.04	
08 34 73 13-0042	EA			6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,227.84	157.62
				For 8' Height, Add	679.95	
				For 45 Minutes Fire Rated, Add	413.88	
				For 60 Minutes Fire Rated, Add	709.51	
				For 90 Minutes Fire Rated, Add	1,005.14	
				For 120 Minutes Fire Rated, Add	1,419.02	

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0043	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,299.33	157.62
			<i>For 8' Height, Add</i>	688.17	
			<i>For 45 Minutes Fire Rated, Add</i>	418.89	
			<i>For 60 Minutes Fire Rated, Add</i>	718.09	
			<i>For 90 Minutes Fire Rated, Add</i>	1,017.30	
			<i>For 120 Minutes Fire Rated, Add</i>	1,436.18	
08 34 73 13-0044	EA		6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,372.45	157.62
			<i>For 8' Height, Add</i>	696.58	
			<i>For 45 Minutes Fire Rated, Add</i>	424.00	
			<i>For 60 Minutes Fire Rated, Add</i>	726.87	
			<i>For 90 Minutes Fire Rated, Add</i>	1,029.73	
			<i>For 120 Minutes Fire Rated, Add</i>	1,453.73	
08 34 73 13-0045	EA		7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,611.80	163.68
			<i>For 8' Height, Add</i>	722.71	
			<i>For 45 Minutes Fire Rated, Add</i>	439.91	
			<i>For 60 Minutes Fire Rated, Add</i>	754.13	
			<i>For 90 Minutes Fire Rated, Add</i>	1,068.35	
			<i>For 120 Minutes Fire Rated, Add</i>	1,508.27	
08 34 73 13-0046	EA		7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,683.41	163.68
			<i>For 8' Height, Add</i>	730.95	
			<i>For 45 Minutes Fire Rated, Add</i>	444.92	
			<i>For 60 Minutes Fire Rated, Add</i>	762.73	
			<i>For 90 Minutes Fire Rated, Add</i>	1,080.53	
			<i>For 120 Minutes Fire Rated, Add</i>	1,525.45	
08 34 73 13-0047	EA		7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,760.26	163.68
			<i>For 8' Height, Add</i>	739.78	
			<i>For 45 Minutes Fire Rated, Add</i>	450.30	
			<i>For 60 Minutes Fire Rated, Add</i>	771.95	
			<i>For 90 Minutes Fire Rated, Add</i>	1,093.59	
			<i>For 120 Minutes Fire Rated, Add</i>	1,543.90	
08 34 73 13-0048	EA		7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,838.86	163.68
			<i>For 8' Height, Add</i>	748.82	
			<i>For 45 Minutes Fire Rated, Add</i>	455.81	
			<i>For 60 Minutes Fire Rated, Add</i>	781.38	
			<i>For 90 Minutes Fire Rated, Add</i>	1,106.96	
			<i>For 120 Minutes Fire Rated, Add</i>	1,562.76	

08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)**08 34 73 16-0001 Wood Acoustical Door Assembly (08 34 73 16)**

Note: Includes the prefinished door, frame, hinges and seals.

08 34 73 16-0002	EA		3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System (Unrated).....	1,864.32	218.24
			<i>For 20 Minutes Fire Rated, Add</i>	50.00	
			<i>For 45 Minutes Fire Rated, Add</i>	80.00	
			<i>For 60 Minutes Fire Rated, Add</i>	115.00	
			<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0003	EA		3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System (Unrated).....	2,012.03	218.24
			<i>For 20 Minutes Fire Rated, Add</i>	50.00	
			<i>For 45 Minutes Fire Rated, Add</i>	80.00	
			<i>For 60 Minutes Fire Rated, Add</i>	115.00	
			<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0004	EA		3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System (Unrated).....	2,094.09	218.24
			<i>For 20 Minutes Fire Rated, Add</i>	50.00	
			<i>For 45 Minutes Fire Rated, Add</i>	80.00	
			<i>For 60 Minutes Fire Rated, Add</i>	115.00	
			<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0005	EA		3' x 7' x 1-3/4" Thick, STC 31, Wood Acoustical Door System (Unrated).....	2,176.15	218.24
			<i>For 20 Minutes Fire Rated, Add</i>	50.00	
			<i>For 45 Minutes Fire Rated, Add</i>	80.00	
			<i>For 60 Minutes Fire Rated, Add</i>	115.00	
			<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0006	EA		3' x 7' x 1-3/4" Thick, STC 36, Wood Acoustical Door System (Unrated).....	2,537.22	218.24
			<i>For 20 Minutes Fire Rated, Add</i>	50.00	
			<i>For 45 Minutes Fire Rated, Add</i>	80.00	
			<i>For 60 Minutes Fire Rated, Add</i>	115.00	
			<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0007	EA		3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated).....	3,324.99	218.24
08 34 73 16-0008	EA		3' x 7' x 1-3/4" Thick, STC 42, Wood Acoustical Door System (Unrated).....	3,477.62	218.24
			<i>For 20 Minutes Fire Rated, Add</i>	50.00	
			<i>For 45 Minutes Fire Rated, Add</i>	80.00	
			<i>For 60 Minutes Fire Rated, Add</i>	115.00	
			<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0009	EA		3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System (Unrated).....	4,088.15	218.24
			<i>For 20 Minutes Fire Rated, Add</i>	50.00	
			<i>For 45 Minutes Fire Rated, Add</i>	80.00	
			<i>For 60 Minutes Fire Rated, Add</i>	115.00	
			<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0010	EA		3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated).....	4,543.58	218.24



Openings	08	08
Roof Windows and Skylights	08 60	
Special Function Doors	08 34	

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

08 60 Roof Windows and Skylights ⁽⁰⁸⁾

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights ^(08 60)

08 62 23 Tubular Skylights ^(08 62)

08 62 23 00-0001 Aluminum Framed Solar Tube Skylights ^(08 62 23)

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights ^(08 62 23 00-0001)

08 62 23 00-0003	EA 2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,291.67	200.36
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	990.98	
08 62 23 00-0004	EA 3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,363.72	205.37
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	991.98	
08 62 23 00-0005	EA 4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,433.68	210.37
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	992.99	
08 62 23 00-0006	EA 5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,532.59	215.38
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	993.99	
08 62 23 00-0007	EA 6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,619.09	220.40
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	994.99	
08 62 23 00-0008	EA 7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,689.06	225.40
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	995.99	
08 62 23 00-0009	EA 8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,759.02	230.41
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	996.99	
08 62 23 00-0010	EA 9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,874.47	235.42
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	997.99	

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0011	EA		10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,944.44	240.43
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	999.00	
08 62 23 00-0012	EA		11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,016.47	245.44
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,000.00	
08 62 23 00-0013	EA		12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,086.43	250.45
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,001.00	
08 62 23 00-0014	EA		13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,201.88	255.45
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,002.00	
08 62 23 00-0015	EA		14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,271.85	260.47
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,003.00	
08 62 23 00-0016	EA		15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,341.82	265.47
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,004.01	
08 62 23 00-0017	EA		16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,411.78	270.48
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,005.01	
08 62 23 00-0018			31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 62 23 00-0001)</small>		
08 62 23 00-0019	EA		2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,570.75	200.36
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	990.98	
08 62 23 00-0020	EA		3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,669.66	205.37
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	991.98	



Openings	08
Roof Windows and Skylights	08 60
Unit Skylights	08 62

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0021	EA		4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,768.56	210.37
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	992.99	
08 62 23 00-0022	EA		5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,867.47	215.38
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	993.99	
08 62 23 00-0023	EA		6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,028.40	220.40
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	994.99	
08 62 23 00-0024	EA		7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,127.31	225.40
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	995.99	
08 62 23 00-0025	EA		8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,226.21	230.41
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	996.99	
08 62 23 00-0026	EA		9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,387.13	235.42
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	997.99	
08 62 23 00-0027	EA		10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,486.04	240.43
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	999.00	
08 62 23 00-0028	EA		11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,584.95	245.44
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,000.00	
08 62 23 00-0029	EA		12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,683.85	250.45
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,001.00	

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0030	EA		13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,844.78	255.45
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,002.00	
08 62 23 00-0031	EA		14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,943.69	260.47
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,003.00	
08 62 23 00-0032	EA		15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,042.60	265.47
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,004.01	
08 62 23 00-0033	EA		16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,141.50	270.48
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,005.01	
08 62 23 00-0034			55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)		
08 62 23 00-0035	EA		2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,102.50	225.40
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	995.99	
08 62 23 00-0036	EA		3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,240.68	230.41
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	996.99	
08 62 23 00-0037	EA		4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,380.93	235.42
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	997.99	
08 62 23 00-0038	EA		5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,519.12	240.43
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	999.00	
08 62 23 00-0039	EA		6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,739.99	245.44
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,000.00	



Openings	08	08
Roof Windows and Skylights	08 60	
Unit Skylights	08 62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0040	EA		7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,878.17	250.45
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,001.00	
08 62 23 00-0041	EA		8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,016.36	255.45
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,002.00	
08 62 23 00-0042	EA		9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,239.30	260.47
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,003.00	
08 62 23 00-0043	EA		10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,377.48	265.47
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,004.01	
08 62 23 00-0044	EA		11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,515.66	270.48
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,005.01	
08 62 23 00-0045	EA		12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,653.85	275.49
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,006.01	
08 62 23 00-0046	EA		13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,874.72	280.50
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,007.01	
08 62 23 00-0047	EA		14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,012.91	285.51
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,008.01	
08 62 23 00-0048	EA		15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,153.16	290.52
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,009.01	

08 Openings**08 60 Roof Windows and Skylights**

08 62 Unit Skylights



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0049 EA 16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,291.34	295.53
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	1,010.02	

08 63 Metal-Framed Skylights (08 60)**08 63 13 Domed Metal-Framed Skylights** (08 63)

08 63 13 00-0001 Domed Aluminum Framed Skylights (08 63 13)

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0005 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	721.92	135.24
08 63 13 00-0006 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	853.41	145.26
08 63 13 00-0007 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,110.23	160.28
08 63 13 00-0008 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,239.09	170.30
08 63 13 00-0009 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	890.39	145.26
08 63 13 00-0010 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,086.30	160.28
08 63 13 00-0011 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,173.81	170.30
08 63 13 00-0012 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,316.15	180.32
08 63 13 00-0013 EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,507.69	195.35
08 63 13 00-0014 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,106.76	170.30
08 63 13 00-0015 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,189.47	175.31
08 63 13 00-0016 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,319.19	180.32
08 63 13 00-0017 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,417.57	185.33
08 63 13 00-0018 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,556.89	200.36
08 63 13 00-0019 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,725.34	210.37
08 63 13 00-0020 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,287.85	180.32
08 63 13 00-0021 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,393.64	190.34
08 63 13 00-0022 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,549.47	195.35
08 63 13 00-0023 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,637.41	205.37
08 63 13 00-0024 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,858.11	215.38

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0026 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	852.50	135.24
08 63 13 00-0027 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	981.37	145.26
08 63 13 00-0028 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,212.08	160.28
08 63 13 00-0029 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,343.55	170.30
08 63 13 00-0030 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	984.41	145.26
08 63 13 00-0031 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,159.42	160.28
08 63 13 00-0032 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,252.15	170.30



Openings	08	08
Roof Windows and Skylights	08 60	
Metal-Framed Skylights	08 63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0033 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,404.94	180.32
08 63 13 00-0034 EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,559.92	195.35
08 63 13 00-0035 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,179.88	170.30
08 63 13 00-0036 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,273.04	175.31
08 63 13 00-0037 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,363.58	180.32
08 63 13 00-0038 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,467.19	185.33
08 63 13 00-0039 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,583.00	200.36
08 63 13 00-0040 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,754.06	210.37
08 63 13 00-0041 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,374.03	180.32
08 63 13 00-0042 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,487.66	190.34
08 63 13 00-0043 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,604.31	195.35
08 63 13 00-0044 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,697.47	205.37
08 63 13 00-0045 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,897.28	215.38
08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 13 00-0047 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	862.95	135.24
08 63 13 00-0048 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,002.26	145.26
08 63 13 00-0049 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,240.81	160.28
08 63 13 00-0050 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,010.52	145.26
08 63 13 00-0051 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,195.98	160.28
08 63 13 00-0052 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,280.88	170.30
08 63 13 00-0053 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,436.28	180.32
08 63 13 00-0054 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,203.38	170.30
08 63 13 00-0055 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,293.93	175.31
08 63 13 00-0056 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,397.53	180.32
08 63 13 00-0057 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,501.14	185.33
08 63 13 00-0058 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,624.79	200.36
08 63 13 00-0059 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,405.37	180.32
08 63 13 00-0060 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,529.44	190.34
08 63 13 00-0061 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,646.10	195.35
08 63 13 00-0062 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,739.26	205.37
08 63 13 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 13 00-0064 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	881.23	135.24
08 63 13 00-0065 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,030.99	145.26
08 63 13 00-0066 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,266.92	160.28
08 63 13 00-0067 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,437.57	170.30
08 63 13 00-0068 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,036.64	145.26
08 63 13 00-0069 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,219.49	160.28

08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0070	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,306.99	170.30
08 63 13 00-0071	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,475.45	180.32
08 63 13 00-0072	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,232.11	170.30
08 63 13 00-0073	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,322.66	175.31
08 63 13 00-0074	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,434.09	180.32
08 63 13 00-0075	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,540.31	185.33
08 63 13 00-0076	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,666.57	200.36
08 63 13 00-0077	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,444.54	180.32
08 63 13 00-0078	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,568.61	190.34
08 63 13 00-0079	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,687.88	195.35
08 63 13 00-0080	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,786.27	205.37
08 63 13 00-0081			Curb Top Inserts <small>(08 63 13 00-0003)</small> Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.		
08 63 13 00-0082			Single Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0083	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	274.78	65.11
08 63 13 00-0084	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	359.77	75.13
08 63 13 00-0085	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	573.41	100.18
08 63 13 00-0086	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	529.76	90.16
08 63 13 00-0087	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	631.29	100.18
08 63 13 00-0088			Double Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0089	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	359.53	65.11
08 63 13 00-0090	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	523.08	75.13
08 63 13 00-0091	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	869.02	100.18
08 63 13 00-0092	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	843.97	90.16
08 63 13 00-0093	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	1,040.60	100.18
08 63 13 00-0094			Triple Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0095	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	442.22	65.11
08 63 13 00-0096	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	678.12	75.13
08 63 13 00-0097	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	1,232.85	100.18
08 63 13 00-0098	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	1,137.51	90.16
08 63 13 00-0099	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	1,420.96	100.18
08 63 13 00-0100			Pyramid Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>		
08 63 13 00-0101			Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0102	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	674.92	135.24
08 63 13 00-0103	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	817.27	145.26
08 63 13 00-0104	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	1,033.64	170.30
08 63 13 00-0105	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	1,259.12	180.32
08 63 13 00-0106			Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0107	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	878.61	135.24
08 63 13 00-0108	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	1,026.19	145.26
08 63 13 00-0109	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	1,224.28	170.30
08 63 13 00-0110	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	1,434.09	180.32



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

08 63 13 00-0111	Double Hip Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>			
08 63 13 00-0112	Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>			
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.				
08 63 13 00-0113	EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	771.54	135.24	
08 63 13 00-0114	EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,031.89	160.28	
08 63 13 00-0115	EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,197.31	170.30	
08 63 13 00-0116	EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	987.06	160.28	
08 63 13 00-0117	EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,071.96	170.30	
08 63 13 00-0118	EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,258.70	180.32	
08 63 13 00-0119	EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,452.85	195.35	
08 63 13 00-0120	EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,118.96	175.31	
08 63 13 00-0121	EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,217.34	180.32	
08 63 13 00-0122	EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,323.56	185.33	
08 63 13 00-0123	EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,441.98	200.36	
08 63 13 00-0124	EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,667.89	210.37	
08 63 13 00-0125	EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,364.92	190.34	
08 63 13 00-0126	EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,510.30	195.35	
08 63 13 00-0127	EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,611.29	205.37	
08 63 13 00-0128	EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,829.38	215.38	
08 63 13 00-0129	Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>			
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.				
08 63 13 00-0130	EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	860.33	135.24	
08 63 13 00-0131	EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	994.43	145.26	
08 63 13 00-0132	EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,225.14	160.28	
08 63 13 00-0133	EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,002.69	145.26	
08 63 13 00-0134	EA 39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,100.64	155.28	
08 63 13 00-0135	EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,180.32	160.28	
08 63 13 00-0136	EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,265.21	170.30	
08 63 13 00-0137	EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,423.22	180.32	
08 63 13 00-0138	EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,192.94	175.31	
08 63 13 00-0139	EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,283.49	175.31	
08 63 13 00-0140	EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,381.86	180.32	
08 63 13 00-0141	EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,482.86	185.33	
08 63 13 00-0142	EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,603.90	200.36	
08 63 13 00-0143	EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,387.09	180.32	
08 63 13 00-0144	EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,511.16	190.34	
08 63 13 00-0145	EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,625.20	195.35	
08 63 13 00-0146	EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,715.75	205.37	

08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0147			Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0111) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0148	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	986.59	145.26
08 63 13 00-0149	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,259.09	160.28
08 63 13 00-0150	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,209.04	160.28
08 63 13 00-0151	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,299.16	170.30
08 63 13 00-0152	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,465.00	180.32
08 63 13 00-0153	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,314.83	175.31
08 63 13 00-0154	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,421.04	180.32
08 63 13 00-0155	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,529.87	185.33
08 63 13 00-0156	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,645.68	200.36
08 63 13 00-0157	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,558.17	190.34
08 63 13 00-0158	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,677.43	195.35
08 63 13 00-0159	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,773.21	205.37
08 63 13 00-0160			Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0001)		
08 63 13 00-0161			Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0160) Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.		
08 63 13 00-0162			Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0161)		
08 63 13 00-0163			10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0164	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,651.31	200.36
08 63 13 00-0165	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,393.63	190.34
08 63 13 00-0166	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,826.28	200.36
08 63 13 00-0167			25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0168	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,693.30	200.36
08 63 13 00-0169	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,446.06	190.34
08 63 13 00-0170	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,930.95	200.36
08 63 13 00-0171			30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0172	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,993.62	200.36
08 63 13 00-0173	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,741.16	190.34
08 63 13 00-0174	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,226.05	200.36
08 63 13 00-0175			Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0161)		
08 63 13 00-0176			10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0177	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,666.98	200.36
08 63 13 00-0178	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,409.29	190.34
08 63 13 00-0179	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	3,849.79	200.36



Openings	08	08
Roof Windows and Skylights	08 60	
Metal-Framed Skylights	08 63	

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

08 63 13 00-0180	25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0175)</small>		
08 63 13 00-0181	EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,714.19	200.36
08 63 13 00-0182	EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,461.73	190.34
08 63 13 00-0183	EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,957.06	200.36
08 63 13 00-0184	30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0175)</small>		
08 63 13 00-0185	EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,009.29	200.36
08 63 13 00-0186	EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,756.83	190.34
08 63 13 00-0187	EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,252.16	200.36

08 90 Louvers and Vents (08)

08 91 Louvers (08 90)

08 91 13 Motorized Wall Louvers (08 91)

08 91 13 00-0001	Motorized Wall Louver Actuator <small>(08 91 13)</small> See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002	EA 115 Volt Actuator For Adjustable Intake Louver.....	2,074.98	124.19
08 91 13 00-0003	EA 230 Volt Actuator For Adjustable Intake Louver.....	3,172.52	124.19
08 91 13 00-0004	EA 24 Volt Actuator For Adjustable Intake Louver.....	2,231.42	124.19
08 91 13 00-0005	EA 115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	8,673.64	124.19

08 91 16 Operable Wall Louvers (08 91)

08 91 16 00-0001	Adjustable Intake Wall Louvers <small>(08 91 16)</small> See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA 12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	568.07	32.88
	For Flange Frame, Add	50.23	
	For Clear Lacquer Finish, Add	100.46	
	For Baked Enamel Standard Colors, Add	150.70	
	For Anodized Finish, Add	200.93	
	For Kynar® Standard Colors Finish, Add	276.28	
08 91 16 00-0003	EA 12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	709.79	40.18
	For Flange Frame, Add	62.94	
	For Clear Lacquer Finish, Add	125.89	
	For Baked Enamel Standard Colors, Add	188.83	
	For Anodized Finish, Add	251.77	
	For Kynar® Standard Colors Finish, Add	346.19	
08 91 16 00-0004	EA 12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	839.28	47.49
	For Flange Frame, Add	74.43	
	For Clear Lacquer Finish, Add	148.86	
	For Baked Enamel Standard Colors, Add	223.30	
	For Anodized Finish, Add	297.73	
	For Kynar® Standard Colors Finish, Add	409.38	
08 91 16 00-0005	EA 12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	982.23	54.79
	For Flange Frame, Add	87.27	
	For Clear Lacquer Finish, Add	174.53	
	For Baked Enamel Standard Colors, Add	261.80	
	For Anodized Finish, Add	349.06	
	For Kynar® Standard Colors Finish, Add	479.96	
08 91 16 00-0006	EA 12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,106.84	62.10
	For Flange Frame, Add	98.27	
	For Clear Lacquer Finish, Add	196.53	
	For Baked Enamel Standard Colors, Add	294.80	
	For Anodized Finish, Add	393.06	
	For Kynar® Standard Colors Finish, Add	540.46	
08 91 16 00-0007	EA 12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,306.00	69.40
	For Flange Frame, Add	116.72	
	For Clear Lacquer Finish, Add	233.44	
	For Baked Enamel Standard Colors, Add	350.16	
	For Anodized Finish, Add	466.88	
	For Kynar® Standard Colors Finish, Add	641.96	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,488.05	76.71
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	133.46	
		<i>For Clear Lacquer Finish, Add</i>	266.93	
		<i>For Baked Enamel Standard Colors, Add</i>	400.39	
		<i>For Anodized Finish, Add</i>	533.86	
		<i>For Kynar® Standard Colors Finish, Add</i>	734.05	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,652.97	87.67
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	147.76	
		<i>For Clear Lacquer Finish, Add</i>	295.53	
		<i>For Baked Enamel Standard Colors, Add</i>	443.29	
		<i>For Anodized Finish, Add</i>	591.06	
		<i>For Kynar® Standard Colors Finish, Add</i>	812.70	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,764.13	94.96
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	157.42	
		<i>For Clear Lacquer Finish, Add</i>	314.84	
		<i>For Baked Enamel Standard Colors, Add</i>	472.26	
		<i>For Anodized Finish, Add</i>	629.68	
		<i>For Kynar® Standard Colors Finish, Add</i>	865.80	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,903.41	102.27
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	169.89	
		<i>For Clear Lacquer Finish, Add</i>	339.77	
		<i>For Baked Enamel Standard Colors, Add</i>	509.66	
		<i>For Anodized Finish, Add</i>	679.54	
		<i>For Kynar® Standard Colors Finish, Add</i>	934.37	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,025.57	109.58
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	180.64	
		<i>For Clear Lacquer Finish, Add</i>	361.28	
		<i>For Baked Enamel Standard Colors, Add</i>	541.92	
		<i>For Anodized Finish, Add</i>	722.56	
		<i>For Kynar® Standard Colors Finish, Add</i>	993.53	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,181.96	116.88
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	194.82	
		<i>For Clear Lacquer Finish, Add</i>	389.64	
		<i>For Baked Enamel Standard Colors, Add</i>	584.46	
		<i>For Anodized Finish, Add</i>	779.28	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,071.50	
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,332.23	124.19
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	208.39	
		<i>For Clear Lacquer Finish, Add</i>	416.77	
		<i>For Baked Enamel Standard Colors, Add</i>	625.16	
		<i>For Anodized Finish, Add</i>	833.54	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,146.12	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,519.15	135.15
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	224.89	
		<i>For Clear Lacquer Finish, Add</i>	449.77	
		<i>For Baked Enamel Standard Colors, Add</i>	674.66	
		<i>For Anodized Finish, Add</i>	899.54	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,236.87	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,657.17	146.10
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	236.50	
		<i>For Clear Lacquer Finish, Add</i>	472.99	
		<i>For Baked Enamel Standard Colors, Add</i>	709.49	
		<i>For Anodized Finish, Add</i>	945.98	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,300.73	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	637.68	40.18
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	55.73	
		<i>For Clear Lacquer Finish, Add</i>	111.46	
		<i>For Baked Enamel Standard Colors, Add</i>	167.20	
		<i>For Anodized Finish, Add</i>	222.93	
		<i>For Kynar® Standard Colors Finish, Add</i>	306.53	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	805.03	51.14
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	70.28	
		<i>For Clear Lacquer Finish, Add</i>	140.55	
		<i>For Baked Enamel Standard Colors, Add</i>	210.83	
		<i>For Anodized Finish, Add</i>	281.10	
		<i>For Kynar® Standard Colors Finish, Add</i>	386.52	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	944.31	58.45
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	82.74	
		<i>For Clear Lacquer Finish, Add</i>	165.49	
		<i>For Baked Enamel Standard Colors, Add</i>	248.23	
		<i>For Anodized Finish, Add</i>	330.97	
		<i>For Kynar® Standard Colors Finish, Add</i>	455.09	



Openings	08
Louvers and Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0020	EA		18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,175.19	73.06
			<i>For Flange Frame, Add</i>	102.91	
			<i>For Clear Lacquer Finish, Add</i>	205.82	
			<i>For Baked Enamel Standard Colors, Add</i>	308.73	
			<i>For Anodized Finish, Add</i>	411.64	
			<i>For Kynar® Standard Colors Finish, Add</i>	566.00	
08 91 16 00-0021	EA		18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,336.48	80.36
			<i>For Flange Frame, Add</i>	117.58	
			<i>For Clear Lacquer Finish, Add</i>	235.15	
			<i>For Baked Enamel Standard Colors, Add</i>	352.73	
			<i>For Anodized Finish, Add</i>	470.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	646.67	
08 91 16 00-0022	EA		18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,497.75	87.67
			<i>For Flange Frame, Add</i>	132.24	
			<i>For Clear Lacquer Finish, Add</i>	264.48	
			<i>For Baked Enamel Standard Colors, Add</i>	396.73	
			<i>For Anodized Finish, Add</i>	528.97	
			<i>For Kynar® Standard Colors Finish, Add</i>	727.33	
08 91 16 00-0023	EA		18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,690.80	94.96
			<i>For Flange Frame, Add</i>	150.09	
			<i>For Clear Lacquer Finish, Add</i>	300.17	
			<i>For Baked Enamel Standard Colors, Add</i>	450.26	
			<i>For Anodized Finish, Add</i>	600.34	
			<i>For Kynar® Standard Colors Finish, Add</i>	825.47	
08 91 16 00-0024	EA		18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,875.27	105.92
			<i>For Flange Frame, Add</i>	166.34	
			<i>For Clear Lacquer Finish, Add</i>	332.68	
			<i>For Baked Enamel Standard Colors, Add</i>	499.02	
			<i>For Anodized Finish, Add</i>	665.36	
			<i>For Kynar® Standard Colors Finish, Add</i>	914.88	
08 91 16 00-0025	EA		18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,023.07	116.88
			<i>For Flange Frame, Add</i>	178.93	
			<i>For Clear Lacquer Finish, Add</i>	357.86	
			<i>For Baked Enamel Standard Colors, Add</i>	536.79	
			<i>For Anodized Finish, Add</i>	715.72	
			<i>For Kynar® Standard Colors Finish, Add</i>	984.12	
08 91 16 00-0026	EA		18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,164.79	124.19
			<i>For Flange Frame, Add</i>	191.64	
			<i>For Clear Lacquer Finish, Add</i>	383.28	
			<i>For Baked Enamel Standard Colors, Add</i>	574.92	
			<i>For Anodized Finish, Add</i>	766.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,054.03	
08 91 16 00-0027	EA		18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,297.96	131.49
			<i>For Flange Frame, Add</i>	203.50	
			<i>For Clear Lacquer Finish, Add</i>	406.99	
			<i>For Baked Enamel Standard Colors, Add</i>	610.49	
			<i>For Anodized Finish, Add</i>	813.98	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,119.23	
08 91 16 00-0028	EA		18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,470.24	138.80
			<i>For Flange Frame, Add</i>	219.26	
			<i>For Clear Lacquer Finish, Add</i>	438.53	
			<i>For Baked Enamel Standard Colors, Add</i>	657.79	
			<i>For Anodized Finish, Add</i>	877.05	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,205.95	
08 91 16 00-0029	EA		18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,636.39	146.10
			<i>For Flange Frame, Add</i>	234.42	
			<i>For Clear Lacquer Finish, Add</i>	468.84	
			<i>For Baked Enamel Standard Colors, Add</i>	703.25	
			<i>For Anodized Finish, Add</i>	937.67	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,289.30	
08 91 16 00-0030	EA		18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,839.19	157.06
			<i>For Flange Frame, Add</i>	252.51	
			<i>For Clear Lacquer Finish, Add</i>	505.01	
			<i>For Baked Enamel Standard Colors, Add</i>	757.52	
			<i>For Anodized Finish, Add</i>	1,010.03	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,388.79	
08 91 16 00-0031	EA		18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,993.10	168.02
			<i>For Flange Frame, Add</i>	265.71	
			<i>For Clear Lacquer Finish, Add</i>	531.41	
			<i>For Baked Enamel Standard Colors, Add</i>	797.12	
			<i>For Anodized Finish, Add</i>	1,062.82	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,461.38	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0032 EA 24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	713.39	47.49
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	61.84	
For Clear Lacquer Finish, Add	123.69	
For Baked Enamel Standard Colors, Add	185.53	
For Anodized Finish, Add	247.37	
For Kynar® Standard Colors Finish, Add	340.14	
08 91 16 00-0033 EA 24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	905.20	58.45
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	78.83	
For Clear Lacquer Finish, Add	157.66	
For Baked Enamel Standard Colors, Add	236.50	
For Anodized Finish, Add	315.33	
For Kynar® Standard Colors Finish, Add	433.58	
08 91 16 00-0034 EA 24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,121.45	69.40
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	98.27	
For Clear Lacquer Finish, Add	196.53	
For Baked Enamel Standard Colors, Add	294.80	
For Anodized Finish, Add	393.06	
For Kynar® Standard Colors Finish, Add	540.46	
08 91 16 00-0035 EA 24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,323.00	84.02
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	115.50	
For Clear Lacquer Finish, Add	231.00	
For Baked Enamel Standard Colors, Add	346.49	
For Anodized Finish, Add	461.99	
For Kynar® Standard Colors Finish, Add	635.24	
08 91 16 00-0036 EA 24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,500.16	91.32
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	131.75	
For Clear Lacquer Finish, Add	263.51	
For Baked Enamel Standard Colors, Add	395.26	
For Anodized Finish, Add	527.01	
For Kynar® Standard Colors Finish, Add	724.64	
08 91 16 00-0037 EA 24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,687.10	98.62
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	148.99	
For Clear Lacquer Finish, Add	297.97	
For Baked Enamel Standard Colors, Add	446.96	
For Anodized Finish, Add	595.94	
For Kynar® Standard Colors Finish, Add	819.42	
08 91 16 00-0038 EA 24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,918.02	109.58
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	169.89	
For Clear Lacquer Finish, Add	339.77	
For Baked Enamel Standard Colors, Add	509.66	
For Anodized Finish, Add	679.54	
For Kynar® Standard Colors Finish, Add	934.37	
08 91 16 00-0039 EA 24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,113.46	124.19
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	186.51	
For Clear Lacquer Finish, Add	373.02	
For Baked Enamel Standard Colors, Add	559.52	
For Anodized Finish, Add	746.03	
For Kynar® Standard Colors Finish, Add	1,025.79	
08 91 16 00-0040 EA 24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,264.96	131.49
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	200.20	
For Clear Lacquer Finish, Add	400.39	
For Baked Enamel Standard Colors, Add	600.59	
For Anodized Finish, Add	800.78	
For Kynar® Standard Colors Finish, Add	1,101.08	
08 91 16 00-0041 EA 24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,431.06	146.10
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	213.89	
For Clear Lacquer Finish, Add	427.77	
For Baked Enamel Standard Colors, Add	641.66	
For Anodized Finish, Add	855.54	
For Kynar® Standard Colors Finish, Add	1,176.37	
08 91 16 00-0042 EA 24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,585.00	153.41
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	227.82	
For Clear Lacquer Finish, Add	455.64	
For Baked Enamel Standard Colors, Add	683.45	
For Anodized Finish, Add	911.27	
For Kynar® Standard Colors Finish, Add	1,253.00	
08 91 16 00-0043 EA 24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,793.94	160.72
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	247.25	
For Clear Lacquer Finish, Add	494.50	
For Baked Enamel Standard Colors, Add	741.75	
For Anodized Finish, Add	989.00	
For Kynar® Standard Colors Finish, Add	1,359.88	



		Openings	08
		Louvers and Vents	08 90
		Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0044	EA		24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,971.10	168.02
			<i>For Flange Frame, Add</i>	263.51	
			<i>For Clear Lacquer Finish, Add</i>	527.01	
			<i>For Baked Enamel Standard Colors, Add</i>	790.52	
			<i>For Anodized Finish, Add</i>	1,054.02	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,449.28	
08 91 16 00-0045	EA		24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,194.69	178.98
			<i>For Flange Frame, Add</i>	283.67	
			<i>For Clear Lacquer Finish, Add</i>	567.35	
			<i>For Baked Enamel Standard Colors, Add</i>	851.02	
			<i>For Anodized Finish, Add</i>	1,134.69	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,560.20	
08 91 16 00-0046	EA		24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,359.60	189.94
			<i>For Flange Frame, Add</i>	297.97	
			<i>For Clear Lacquer Finish, Add</i>	595.94	
			<i>For Baked Enamel Standard Colors, Add</i>	893.92	
			<i>For Anodized Finish, Add</i>	1,191.89	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,638.85	
08 91 16 00-0047	EA		30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	795.23	54.79
			<i>For Flange Frame, Add</i>	68.57	
			<i>For Clear Lacquer Finish, Add</i>	137.13	
			<i>For Baked Enamel Standard Colors, Add</i>	205.70	
			<i>For Anodized Finish, Add</i>	274.26	
			<i>For Kynar® Standard Colors Finish, Add</i>	377.11	
08 91 16 00-0048	EA		30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,059.08	73.06
			<i>For Flange Frame, Add</i>	91.30	
			<i>For Clear Lacquer Finish, Add</i>	182.60	
			<i>For Baked Enamel Standard Colors, Add</i>	273.89	
			<i>For Anodized Finish, Add</i>	365.19	
			<i>For Kynar® Standard Colors Finish, Add</i>	502.14	
08 91 16 00-0049	EA		30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,257.00	84.02
			<i>For Flange Frame, Add</i>	108.90	
			<i>For Clear Lacquer Finish, Add</i>	217.80	
			<i>For Baked Enamel Standard Colors, Add</i>	326.69	
			<i>For Anodized Finish, Add</i>	435.59	
			<i>For Kynar® Standard Colors Finish, Add</i>	598.94	
08 91 16 00-0050	EA		30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,473.25	94.96
			<i>For Flange Frame, Add</i>	128.33	
			<i>For Clear Lacquer Finish, Add</i>	256.66	
			<i>For Baked Enamel Standard Colors, Add</i>	384.99	
			<i>For Anodized Finish, Add</i>	513.32	
			<i>For Kynar® Standard Colors Finish, Add</i>	705.82	
08 91 16 00-0051	EA		30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,666.30	102.27
			<i>For Flange Frame, Add</i>	146.18	
			<i>For Clear Lacquer Finish, Add</i>	292.35	
			<i>For Baked Enamel Standard Colors, Add</i>	438.53	
			<i>For Anodized Finish, Add</i>	584.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	803.96	
08 91 16 00-0052	EA		30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,866.66	113.23
			<i>For Flange Frame, Add</i>	164.02	
			<i>For Clear Lacquer Finish, Add</i>	328.04	
			<i>For Baked Enamel Standard Colors, Add</i>	492.06	
			<i>For Anodized Finish, Add</i>	656.08	
			<i>For Kynar® Standard Colors Finish, Add</i>	902.10	
08 91 16 00-0053	EA		30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,106.16	120.53
			<i>For Flange Frame, Add</i>	186.51	
			<i>For Clear Lacquer Finish, Add</i>	373.02	
			<i>For Baked Enamel Standard Colors, Add</i>	559.52	
			<i>For Anodized Finish, Add</i>	746.03	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,025.79	
08 91 16 00-0054	EA		30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,311.41	131.49
			<i>For Flange Frame, Add</i>	204.84	
			<i>For Clear Lacquer Finish, Add</i>	409.68	
			<i>For Baked Enamel Standard Colors, Add</i>	614.52	
			<i>For Anodized Finish, Add</i>	819.36	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,126.63	
08 91 16 00-0055	EA		30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,480.01	138.80
			<i>For Flange Frame, Add</i>	220.24	
			<i>For Clear Lacquer Finish, Add</i>	440.48	
			<i>For Baked Enamel Standard Colors, Add</i>	660.72	
			<i>For Anodized Finish, Add</i>	880.96	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,211.32	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,665.67	153.41
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	235.89	
		<i>For Clear Lacquer Finish, Add</i>	471.77	
		<i>For Baked Enamel Standard Colors, Add</i>	707.66	
		<i>For Anodized Finish, Add</i>	943.54	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,297.37	
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,842.81	164.37
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	251.41	
		<i>For Clear Lacquer Finish, Add</i>	502.81	
		<i>For Baked Enamel Standard Colors, Add</i>	754.22	
		<i>For Anodized Finish, Add</i>	1,005.63	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,382.74	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	3,065.19	171.67
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	272.18	
		<i>For Clear Lacquer Finish, Add</i>	544.37	
		<i>For Baked Enamel Standard Colors, Add</i>	816.55	
		<i>For Anodized Finish, Add</i>	1,088.74	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,497.01	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,258.24	178.98
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	290.03	
		<i>For Clear Lacquer Finish, Add</i>	580.06	
		<i>For Baked Enamel Standard Colors, Add</i>	870.08	
		<i>For Anodized Finish, Add</i>	1,160.11	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,595.15	
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	3,492.82	189.94
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	311.29	
		<i>For Clear Lacquer Finish, Add</i>	622.59	
		<i>For Baked Enamel Standard Colors, Add</i>	933.88	
		<i>For Anodized Finish, Add</i>	1,245.18	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,712.12	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	3,679.73	200.90
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	327.79	
		<i>For Clear Lacquer Finish, Add</i>	655.59	
		<i>For Baked Enamel Standard Colors, Add</i>	983.38	
		<i>For Anodized Finish, Add</i>	1,311.18	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,802.87	
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	870.95	62.10
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	74.68	
		<i>For Clear Lacquer Finish, Add</i>	149.35	
		<i>For Baked Enamel Standard Colors, Add</i>	224.03	
		<i>For Anodized Finish, Add</i>	298.70	
		<i>For Kynar® Standard Colors Finish, Add</i>	410.72	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	1,178.81	80.36
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	101.81	
		<i>For Clear Lacquer Finish, Add</i>	203.62	
		<i>For Baked Enamel Standard Colors, Add</i>	305.43	
		<i>For Anodized Finish, Add</i>	407.24	
		<i>For Kynar® Standard Colors Finish, Add</i>	559.95	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,377.94	91.32
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	119.53	
		<i>For Clear Lacquer Finish, Add</i>	239.06	
		<i>For Baked Enamel Standard Colors, Add</i>	358.59	
		<i>For Anodized Finish, Add</i>	478.12	
		<i>For Kynar® Standard Colors Finish, Add</i>	657.42	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,614.97	102.27
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	141.04	
		<i>For Clear Lacquer Finish, Add</i>	282.08	
		<i>For Baked Enamel Standard Colors, Add</i>	423.13	
		<i>For Anodized Finish, Add</i>	564.17	
		<i>For Kynar® Standard Colors Finish, Add</i>	775.73	
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,834.16	111.04
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	161.21	
		<i>For Clear Lacquer Finish, Add</i>	322.42	
		<i>For Baked Enamel Standard Colors, Add</i>	483.62	
		<i>For Anodized Finish, Add</i>	644.83	
		<i>For Kynar® Standard Colors Finish, Add</i>	866.64	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	2,040.16	120.53
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	179.91	
		<i>For Clear Lacquer Finish, Add</i>	359.82	
		<i>For Baked Enamel Standard Colors, Add</i>	539.72	
		<i>For Anodized Finish, Add</i>	719.63	
		<i>For Kynar® Standard Colors Finish, Add</i>	989.49	



Openings	08	08
Louvers and Vents	08 90	
Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0068	EA		36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,307.76	127.84
			<i>For Flange Frame, Add</i>	205.21	
			<i>For Clear Lacquer Finish, Add</i>	410.41	
			<i>For Baked Enamel Standard Colors, Add</i>	615.62	
			<i>For Anodized Finish, Add</i>	820.83	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,128.64	
08 91 16 00-0069	EA		36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,538.68	138.80
			<i>For Flange Frame, Add</i>	226.11	
			<i>For Clear Lacquer Finish, Add</i>	452.21	
			<i>For Baked Enamel Standard Colors, Add</i>	678.32	
			<i>For Anodized Finish, Add</i>	904.43	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,243.59	
08 91 16 00-0070	EA		36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,726.80	149.76
			<i>For Flange Frame, Add</i>	242.73	
			<i>For Clear Lacquer Finish, Add</i>	485.46	
			<i>For Baked Enamel Standard Colors, Add</i>	728.19	
			<i>For Anodized Finish, Add</i>	970.92	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,335.01	
08 91 16 00-0071	EA		36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,919.83	160.72
			<i>For Flange Frame, Add</i>	259.84	
			<i>For Clear Lacquer Finish, Add</i>	519.68	
			<i>For Baked Enamel Standard Colors, Add</i>	779.52	
			<i>For Anodized Finish, Add</i>	1,039.36	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,429.12	
08 91 16 00-0072	EA		36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,118.97	171.67
			<i>For Flange Frame, Add</i>	277.56	
			<i>For Clear Lacquer Finish, Add</i>	555.12	
			<i>For Baked Enamel Standard Colors, Add</i>	832.69	
			<i>For Anodized Finish, Add</i>	1,110.25	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,526.59	
08 91 16 00-0073	EA		36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,362.13	178.98
			<i>For Flange Frame, Add</i>	300.42	
			<i>For Clear Lacquer Finish, Add</i>	600.83	
			<i>For Baked Enamel Standard Colors, Add</i>	901.25	
			<i>For Anodized Finish, Add</i>	1,201.67	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,652.29	
08 91 16 00-0074	EA		36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,569.85	186.29
			<i>For Flange Frame, Add</i>	319.73	
			<i>For Clear Lacquer Finish, Add</i>	639.46	
			<i>For Baked Enamel Standard Colors, Add</i>	959.18	
			<i>For Anodized Finish, Add</i>	1,278.91	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,758.50	
08 91 16 00-0075	EA		36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,834.98	197.24
			<i>For Flange Frame, Add</i>	344.05	
			<i>For Clear Lacquer Finish, Add</i>	688.10	
			<i>For Baked Enamel Standard Colors, Add</i>	1,032.15	
			<i>For Anodized Finish, Add</i>	1,376.20	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,892.27	
08 91 16 00-0076	EA		36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,032.89	208.20
			<i>For Flange Frame, Add</i>	361.65	
			<i>For Clear Lacquer Finish, Add</i>	723.30	
			<i>For Baked Enamel Standard Colors, Add</i>	1,084.95	
			<i>For Anodized Finish, Add</i>	1,446.60	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,989.07	
08 91 16 00-0077	EA		42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	996.78	69.40
			<i>For Flange Frame, Add</i>	85.80	
			<i>For Clear Lacquer Finish, Add</i>	171.60	
			<i>For Baked Enamel Standard Colors, Add</i>	257.39	
			<i>For Anodized Finish, Add</i>	343.19	
			<i>For Kynar® Standard Colors Finish, Add</i>	471.89	
08 91 16 00-0078	EA		42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,271.64	87.67
			<i>For Flange Frame, Add</i>	109.63	
			<i>For Clear Lacquer Finish, Add</i>	219.26	
			<i>For Baked Enamel Standard Colors, Add</i>	328.89	
			<i>For Anodized Finish, Add</i>	438.52	
			<i>For Kynar® Standard Colors Finish, Add</i>	602.97	
08 91 16 00-0079	EA		42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,492.77	98.62
			<i>For Flange Frame, Add</i>	129.55	
			<i>For Clear Lacquer Finish, Add</i>	259.11	
			<i>For Baked Enamel Standard Colors, Add</i>	388.66	
			<i>For Anodized Finish, Add</i>	518.21	
			<i>For Kynar® Standard Colors Finish, Add</i>	712.54	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0080 EA 42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,745.66	113.23
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	151.92	
For Clear Lacquer Finish, Add	303.84	
For Baked Enamel Standard Colors, Add	455.76	
For Anodized Finish, Add	607.68	
For Kynar® Standard Colors Finish, Add	835.55	
08 91 16 00-0081 EA 42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,979.05	120.53
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	173.80	
For Clear Lacquer Finish, Add	347.59	
For Baked Enamel Standard Colors, Add	521.39	
For Anodized Finish, Add	695.19	
For Kynar® Standard Colors Finish, Add	955.88	
08 91 16 00-0082 EA 42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	2,200.21	127.84
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	194.45	
For Clear Lacquer Finish, Add	388.90	
For Baked Enamel Standard Colors, Add	583.36	
For Anodized Finish, Add	777.81	
For Kynar® Standard Colors Finish, Add	1,069.49	
08 91 16 00-0083 EA 42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	2,491.04	135.15
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	222.07	
For Clear Lacquer Finish, Add	444.15	
For Baked Enamel Standard Colors, Add	666.22	
For Anodized Finish, Add	888.30	
For Kynar® Standard Colors Finish, Add	1,221.41	
08 91 16 00-0084 EA 42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,725.61	146.10
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	243.34	
For Clear Lacquer Finish, Add	486.68	
For Baked Enamel Standard Colors, Add	730.02	
For Anodized Finish, Add	973.36	
For Kynar® Standard Colors Finish, Add	1,338.37	
08 91 16 00-0085 EA 42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,936.96	157.06
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	262.28	
For Clear Lacquer Finish, Add	524.57	
For Baked Enamel Standard Colors, Add	786.85	
For Anodized Finish, Add	1,049.14	
For Kynar® Standard Colors Finish, Add	1,442.56	
08 91 16 00-0086 EA 42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	3,134.88	168.02
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	279.88	
For Clear Lacquer Finish, Add	559.77	
For Baked Enamel Standard Colors, Add	839.65	
For Anodized Finish, Add	1,119.54	
For Kynar® Standard Colors Finish, Add	1,539.36	
08 91 16 00-0087 EA 42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	3,351.13	178.98
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	299.32	
For Clear Lacquer Finish, Add	598.63	
For Baked Enamel Standard Colors, Add	897.95	
For Anodized Finish, Add	1,197.27	
For Kynar® Standard Colors Finish, Add	1,646.24	
08 91 16 00-0088 EA 42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	3,612.62	186.29
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	324.01	
For Clear Lacquer Finish, Add	648.01	
For Baked Enamel Standard Colors, Add	972.02	
For Anodized Finish, Add	1,296.02	
For Kynar® Standard Colors Finish, Add	1,782.03	
08 91 16 00-0089 EA 42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,839.90	193.59
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	345.27	
For Clear Lacquer Finish, Add	690.54	
For Baked Enamel Standard Colors, Add	1,035.82	
For Anodized Finish, Add	1,381.09	
For Kynar® Standard Colors Finish, Add	1,899.00	
08 91 16 00-0090 EA 42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	4,136.81	204.55
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	372.77	
For Clear Lacquer Finish, Add	745.54	
For Baked Enamel Standard Colors, Add	1,118.31	
For Anodized Finish, Add	1,491.08	
For Kynar® Standard Colors Finish, Add	2,050.24	
08 91 16 00-0091 EA 42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	4,343.28	215.51
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	391.23	
For Clear Lacquer Finish, Add	782.45	
For Baked Enamel Standard Colors, Add	1,173.68	
For Anodized Finish, Add	1,564.90	
For Kynar® Standard Colors Finish, Add	2,151.74	



Openings	08
Louvers and Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0092 EA 48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,078.62	76.71
For Flange Frame, Add	92.52	
For Clear Lacquer Finish, Add	185.04	
For Baked Enamel Standard Colors, Add	277.56	
For Anodized Finish, Add	370.08	
For Kynar® Standard Colors Finish, Add	508.87	
08 91 16 00-0093 EA 48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,370.59	94.96
For Flange Frame, Add	118.07	
For Clear Lacquer Finish, Add	236.13	
For Baked Enamel Standard Colors, Add	354.20	
For Anodized Finish, Add	472.26	
For Kynar® Standard Colors Finish, Add	649.36	
08 91 16 00-0094 EA 48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,622.25	109.58
For Flange Frame, Add	140.31	
For Clear Lacquer Finish, Add	280.62	
For Baked Enamel Standard Colors, Add	420.93	
For Anodized Finish, Add	561.24	
For Kynar® Standard Colors Finish, Add	771.70	
08 91 16 00-0095 EA 48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,881.27	120.53
For Flange Frame, Add	164.02	
For Clear Lacquer Finish, Add	328.04	
For Baked Enamel Standard Colors, Add	492.06	
For Anodized Finish, Add	656.08	
For Kynar® Standard Colors Finish, Add	902.10	
08 91 16 00-0096 EA 48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,139.10	127.84
For Flange Frame, Add	188.34	
For Clear Lacquer Finish, Add	376.68	
For Baked Enamel Standard Colors, Add	565.02	
For Anodized Finish, Add	753.36	
For Kynar® Standard Colors Finish, Add	1,035.88	
08 91 16 00-0097 EA 48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,388.37	135.15
For Flange Frame, Add	211.81	
For Clear Lacquer Finish, Add	423.61	
For Baked Enamel Standard Colors, Add	635.42	
For Anodized Finish, Add	847.23	
For Kynar® Standard Colors Finish, Add	1,164.94	
08 91 16 00-0098 EA 48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,698.72	146.10
For Flange Frame, Add	240.65	
For Clear Lacquer Finish, Add	481.30	
For Baked Enamel Standard Colors, Add	721.95	
For Anodized Finish, Add	962.60	
For Kynar® Standard Colors Finish, Add	1,323.58	
08 91 16 00-0099 EA 48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,955.29	157.06
For Flange Frame, Add	264.12	
For Clear Lacquer Finish, Add	528.23	
For Baked Enamel Standard Colors, Add	792.35	
For Anodized Finish, Add	1,056.47	
For Kynar® Standard Colors Finish, Add	1,452.64	
08 91 16 00-0100 EA 48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,177.66	168.02
For Flange Frame, Add	284.16	
For Clear Lacquer Finish, Add	568.32	
For Baked Enamel Standard Colors, Add	852.49	
For Anodized Finish, Add	1,136.65	
For Kynar® Standard Colors Finish, Add	1,562.89	
08 91 16 00-0101 EA 48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,403.68	178.98
For Flange Frame, Add	304.57	
For Clear Lacquer Finish, Add	609.14	
For Baked Enamel Standard Colors, Add	913.72	
For Anodized Finish, Add	1,218.29	
For Kynar® Standard Colors Finish, Add	1,675.15	
08 91 16 00-0102 EA 48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,624.82	189.94
For Flange Frame, Add	324.49	
For Clear Lacquer Finish, Add	648.99	
For Baked Enamel Standard Colors, Add	973.48	
For Anodized Finish, Add	1,297.98	
For Kynar® Standard Colors Finish, Add	1,784.72	
08 91 16 00-0103 EA 48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,920.54	197.24
For Flange Frame, Add	352.61	
For Clear Lacquer Finish, Add	705.21	
For Baked Enamel Standard Colors, Add	1,057.82	
For Anodized Finish, Add	1,410.42	
For Kynar® Standard Colors Finish, Add	1,939.33	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,166.14	204.55
			<i>For Flange Frame, Add</i>	375.70	
			<i>For Clear Lacquer Finish, Add</i>	751.41	
			<i>For Baked Enamel Standard Colors, Add</i>	1,127.11	
			<i>For Anodized Finish, Add</i>	1,502.82	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,066.37	
08 91	16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,469.19	211.86
			<i>For Flange Frame, Add</i>	404.55	
			<i>For Clear Lacquer Finish, Add</i>	809.10	
			<i>For Baked Enamel Standard Colors, Add</i>	1,213.64	
			<i>For Anodized Finish, Add</i>	1,618.19	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,225.01	
08 91	16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,696.44	222.81
			<i>For Flange Frame, Add</i>	425.08	
			<i>For Clear Lacquer Finish, Add</i>	850.16	
			<i>For Baked Enamel Standard Colors, Add</i>	1,275.24	
			<i>For Anodized Finish, Add</i>	1,700.32	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,337.95	
08 91	16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,252.09	87.67
			<i>For Flange Frame, Add</i>	107.68	
			<i>For Clear Lacquer Finish, Add</i>	215.35	
			<i>For Baked Enamel Standard Colors, Add</i>	323.03	
			<i>For Anodized Finish, Add</i>	430.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	592.22	
08 91	16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,605.17	105.92
			<i>For Flange Frame, Add</i>	139.33	
			<i>For Clear Lacquer Finish, Add</i>	278.66	
			<i>For Baked Enamel Standard Colors, Add</i>	417.99	
			<i>For Anodized Finish, Add</i>	557.32	
			<i>For Kynar® Standard Colors Finish, Add</i>	766.32	
08 91	16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,881.24	124.19
			<i>For Flange Frame, Add</i>	163.29	
			<i>For Clear Lacquer Finish, Add</i>	326.57	
			<i>For Baked Enamel Standard Colors, Add</i>	489.86	
			<i>For Anodized Finish, Add</i>	653.14	
			<i>For Kynar® Standard Colors Finish, Add</i>	898.07	
08 91	16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,161.08	131.49
			<i>For Flange Frame, Add</i>	189.81	
			<i>For Clear Lacquer Finish, Add</i>	379.62	
			<i>For Baked Enamel Standard Colors, Add</i>	569.42	
			<i>For Anodized Finish, Add</i>	759.23	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,043.94	
08 91	16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,465.35	138.80
			<i>For Flange Frame, Add</i>	218.77	
			<i>For Clear Lacquer Finish, Add</i>	437.55	
			<i>For Baked Enamel Standard Colors, Add</i>	656.32	
			<i>For Anodized Finish, Add</i>	875.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,203.26	
08 91	16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,737.83	146.10
			<i>For Flange Frame, Add</i>	244.56	
			<i>For Clear Lacquer Finish, Add</i>	489.12	
			<i>For Baked Enamel Standard Colors, Add</i>	733.69	
			<i>For Anodized Finish, Add</i>	978.25	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,345.09	
08 91	16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,098.29	157.06
			<i>For Flange Frame, Add</i>	278.42	
			<i>For Clear Lacquer Finish, Add</i>	556.83	
			<i>For Baked Enamel Standard Colors, Add</i>	835.25	
			<i>For Anodized Finish, Add</i>	1,113.67	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,531.29	
08 91	16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,448.98	168.02
			<i>For Flange Frame, Add</i>	311.29	
			<i>For Clear Lacquer Finish, Add</i>	622.59	
			<i>For Baked Enamel Standard Colors, Add</i>	933.88	
			<i>For Anodized Finish, Add</i>	1,245.18	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,712.12	
08 91	16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,711.68	178.98
			<i>For Flange Frame, Add</i>	335.37	
			<i>For Clear Lacquer Finish, Add</i>	670.74	
			<i>For Baked Enamel Standard Colors, Add</i>	1,006.12	
			<i>For Anodized Finish, Add</i>	1,341.49	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,844.55	



Openings	08
Louvers and Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,970.70 359.08 718.16 1,077.25 1,436.33 1,974.95	189.94
08 91	16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,219.98 382.55 765.10 1,147.65 1,530.20 2,104.02	197.24
08 91	16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,549.91 414.08 828.16 1,242.24 1,656.32 2,277.45	204.55
08 91	16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,824.85 440.11 880.23 1,320.34 1,760.46 2,420.63	211.86
08 91	16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,179.23 474.09 948.18 1,422.27 1,896.36 2,607.50	219.16
08 91	16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,444.37 498.41 996.83 1,495.24 1,993.65 2,741.27	230.12
08 91	16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,329.03 113.91 227.82 341.73 455.64 626.50	94.96
08 91	16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,711.41 147.76 295.53 443.29 591.06 812.70	116.88
08 91	16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,993.64 173.06 346.13 519.19 692.26 951.85	131.49
08 91	16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,301.57 202.40 404.79 607.19 809.58 1,113.18	138.80
08 91	16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,624.13 232.46 464.92 697.39 929.85 1,278.54	149.76
08 91	16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,912.52 259.84 519.68 779.52 1,039.36 1,429.12	157.06

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0128 EA 60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	3,298.65	168.02
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	296.26	
For Clear Lacquer Finish, Add	592.52	
For Baked Enamel Standard Colors, Add	888.78	
For Anodized Finish, Add	1,185.04	
For Kynar® Standard Colors Finish, Add	1,629.44	
08 91 16 00-0129 EA 60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	3,659.12	178.98
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	330.12	
For Clear Lacquer Finish, Add	660.23	
For Baked Enamel Standard Colors, Add	990.35	
For Anodized Finish, Add	1,320.46	
For Kynar® Standard Colors Finish, Add	1,815.64	
08 91 16 00-0130 EA 60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	3,940.15	189.94
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	356.03	
For Clear Lacquer Finish, Add	712.05	
For Baked Enamel Standard Colors, Add	1,068.08	
For Anodized Finish, Add	1,424.11	
For Kynar® Standard Colors Finish, Add	1,958.15	
08 91 16 00-0131 EA 60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	4,216.28	200.90
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	381.45	
For Clear Lacquer Finish, Add	762.90	
For Baked Enamel Standard Colors, Add	1,144.35	
For Anodized Finish, Add	1,525.80	
For Kynar® Standard Colors Finish, Add	2,097.97	
08 91 16 00-0132 EA 60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	4,481.44	208.20
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	406.50	
For Clear Lacquer Finish, Add	813.01	
For Baked Enamel Standard Colors, Add	1,219.51	
For Anodized Finish, Add	1,626.02	
For Kynar® Standard Colors Finish, Add	2,235.77	
08 91 16 00-0133 EA 60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	4,839.50	215.51
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	440.85	
For Clear Lacquer Finish, Add	881.70	
For Baked Enamel Standard Colors, Add	1,322.54	
For Anodized Finish, Add	1,763.39	
For Kynar® Standard Colors Finish, Add	2,424.66	
08 91 16 00-0134 EA 60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	5,127.88	222.81
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	468.23	
For Clear Lacquer Finish, Add	936.45	
For Baked Enamel Standard Colors, Add	1,404.68	
For Anodized Finish, Add	1,872.90	
For Kynar® Standard Colors Finish, Add	2,575.24	
08 91 16 00-0135 EA 60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	5,500.59	230.12
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	504.04	
For Clear Lacquer Finish, Add	1,008.07	
For Baked Enamel Standard Colors, Add	1,512.11	
For Anodized Finish, Add	2,016.14	
For Kynar® Standard Colors Finish, Add	2,772.19	
08 91 16 00-0136 EA 60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	5,774.30	237.43
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	529.95	
For Clear Lacquer Finish, Add	1,059.89	
For Baked Enamel Standard Colors, Add	1,589.84	
For Anodized Finish, Add	2,119.78	
For Kynar® Standard Colors Finish, Add	2,914.70	

08 91 16 00-0137 Adjustable Intake Wall Louvers Operators (08 91 16)

08 91 16 00-0138 EA 5' Chain Actuator For Adjustable Intake Louver	337.06	36.53
08 91 16 00-0139 EA Panel Crank For Adjustable Intake Louver	735.65	14.61

08 91 19 Fixed Louvers (08 91)

08 91 19 00-0001 Fixed Intake Wall Louvers (08 91 19)

08 91 19 00-0002 EA 12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	434.85	32.88
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	36.91	
For Clear Lacquer Finish, Add	73.82	
For Baked Enamel Standard Colors, Add	110.73	
For Anodized Finish, Add	147.64	
For Kynar® Standard Colors Finish, Add	203.01	



Openings	08	08
Louvers and Vents	08 90	
Louvers	08 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0003 EA 12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	516.69	40.18
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	43.63	
For Clear Lacquer Finish, Add	87.27	
For Baked Enamel Standard Colors, Add	130.90	
For Anodized Finish, Add	174.53	
For Kynar® Standard Colors Finish, Add	239.98	
08 91 19 00-0004 EA 12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	599.73	47.49
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	50.48	
For Clear Lacquer Finish, Add	100.95	
For Baked Enamel Standard Colors, Add	151.43	
For Anodized Finish, Add	201.91	
For Kynar® Standard Colors Finish, Add	277.62	
08 91 19 00-0005 EA 12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	703.57	54.79
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	59.40	
For Clear Lacquer Finish, Add	118.80	
For Baked Enamel Standard Colors, Add	178.20	
For Anodized Finish, Add	237.60	
For Kynar® Standard Colors Finish, Add	326.69	
08 91 19 00-0006 EA 12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	791.51	62.10
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	66.73	
For Clear Lacquer Finish, Add	133.46	
For Baked Enamel Standard Colors, Add	200.20	
For Anodized Finish, Add	266.93	
For Kynar® Standard Colors Finish, Add	367.03	
08 91 19 00-0007 EA 12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	933.23	69.40
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	79.44	
For Clear Lacquer Finish, Add	158.89	
For Baked Enamel Standard Colors, Add	238.33	
For Anodized Finish, Add	317.77	
For Kynar® Standard Colors Finish, Add	436.94	
08 91 19 00-0008 EA 12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,011.39	76.71
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	85.80	
For Clear Lacquer Finish, Add	171.60	
For Baked Enamel Standard Colors, Add	257.39	
For Anodized Finish, Add	343.19	
For Kynar® Standard Colors Finish, Add	471.89	
08 91 19 00-0009 EA 12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,131.09	87.67
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	95.58	
For Clear Lacquer Finish, Add	191.15	
For Baked Enamel Standard Colors, Add	286.73	
For Anodized Finish, Add	382.30	
For Kynar® Standard Colors Finish, Add	525.67	
08 91 19 00-0010 EA 12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,203.14	94.96
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	101.32	
For Clear Lacquer Finish, Add	202.64	
For Baked Enamel Standard Colors, Add	303.96	
For Anodized Finish, Add	405.28	
For Kynar® Standard Colors Finish, Add	557.26	
08 91 19 00-0011 EA 12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,300.86	102.27
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	109.63	
For Clear Lacquer Finish, Add	219.26	
For Baked Enamel Standard Colors, Add	328.89	
For Anodized Finish, Add	438.52	
For Kynar® Standard Colors Finish, Add	602.97	
08 91 19 00-0012 EA 12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,386.36	109.58
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	116.72	
For Clear Lacquer Finish, Add	233.44	
For Baked Enamel Standard Colors, Add	350.16	
For Anodized Finish, Add	466.88	
For Kynar® Standard Colors Finish, Add	641.96	
08 91 19 00-0013 EA 12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,487.75	116.88
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	125.40	
For Clear Lacquer Finish, Add	250.80	
For Baked Enamel Standard Colors, Add	376.19	
For Anodized Finish, Add	501.59	
For Kynar® Standard Colors Finish, Add	689.69	
08 91 19 00-0014 EA 12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,583.02	124.19
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	133.46	
For Clear Lacquer Finish, Add	266.93	
For Baked Enamel Standard Colors, Add	400.39	
For Anodized Finish, Add	533.86	
For Kynar® Standard Colors Finish, Add	734.05	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0015 EA 12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,668.50	135.15
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	139.82	
For Clear Lacquer Finish, Add	279.64	
For Baked Enamel Standard Colors, Add	419.46	
For Anodized Finish, Add	559.28	
For Kynar® Standard Colors Finish, Add	769.01	
08 91 19 00-0016 EA 12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,782.07	146.10
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	148.99	
For Clear Lacquer Finish, Add	297.97	
For Baked Enamel Standard Colors, Add	446.96	
For Anodized Finish, Add	595.94	
For Kynar® Standard Colors Finish, Add	819.42	
08 91 19 00-0017 EA 18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	505.69	40.18
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	42.53	
For Clear Lacquer Finish, Add	85.07	
For Baked Enamel Standard Colors, Add	127.60	
For Anodized Finish, Add	170.13	
For Kynar® Standard Colors Finish, Add	233.93	
08 91 19 00-0018 EA 18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	607.04	51.14
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	50.48	
For Clear Lacquer Finish, Add	100.95	
For Baked Enamel Standard Colors, Add	151.43	
For Anodized Finish, Add	201.91	
For Kynar® Standard Colors Finish, Add	277.62	
08 91 19 00-0019 EA 18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	703.54	58.45
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	58.67	
For Clear Lacquer Finish, Add	117.33	
For Baked Enamel Standard Colors, Add	176.00	
For Anodized Finish, Add	234.66	
For Kynar® Standard Colors Finish, Add	322.66	
08 91 19 00-0020 EA 18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	881.86	73.06
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	73.58	
For Clear Lacquer Finish, Add	147.15	
For Baked Enamel Standard Colors, Add	220.73	
For Anodized Finish, Add	294.30	
For Kynar® Standard Colors Finish, Add	404.67	
08 91 19 00-0021 EA 18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,011.37	80.36
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	85.07	
For Clear Lacquer Finish, Add	170.13	
For Baked Enamel Standard Colors, Add	255.20	
For Anodized Finish, Add	340.26	
For Kynar® Standard Colors Finish, Add	467.86	
08 91 19 00-0022 EA 18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,126.20	87.67
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	95.09	
For Clear Lacquer Finish, Add	190.17	
For Baked Enamel Standard Colors, Add	285.26	
For Anodized Finish, Add	380.35	
For Kynar® Standard Colors Finish, Add	522.98	
08 91 19 00-0023 EA 18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,208.03	94.96
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	101.81	
For Clear Lacquer Finish, Add	203.62	
For Baked Enamel Standard Colors, Add	305.43	
For Anodized Finish, Add	407.24	
For Kynar® Standard Colors Finish, Add	559.95	
08 91 19 00-0024 EA 18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,344.84	105.92
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	113.30	
For Clear Lacquer Finish, Add	226.60	
For Baked Enamel Standard Colors, Add	339.89	
For Anodized Finish, Add	453.19	
For Kynar® Standard Colors Finish, Add	623.14	
08 91 19 00-0025 EA 18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,441.30	116.88
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	120.75	
For Clear Lacquer Finish, Add	241.51	
For Baked Enamel Standard Colors, Add	362.26	
For Anodized Finish, Add	483.01	
For Kynar® Standard Colors Finish, Add	664.14	
08 91 19 00-0026 EA 18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,565.91	124.19
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	131.75	
For Clear Lacquer Finish, Add	263.51	
For Baked Enamel Standard Colors, Add	395.26	
For Anodized Finish, Add	527.01	
For Kynar® Standard Colors Finish, Add	724.64	



Openings	08
Louvers and Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,661.20	131.49
			<i>For Flange Frame, Add</i>	139.82	
			<i>For Clear Lacquer Finish, Add</i>	279.64	
			<i>For Baked Enamel Standard Colors, Add</i>	419.46	
			<i>For Anodized Finish, Add</i>	559.28	
			<i>For Kynar® Standard Colors Finish, Add</i>	769.01	
08 91	19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,767.47	138.80
			<i>For Flange Frame, Add</i>	148.99	
			<i>For Clear Lacquer Finish, Add</i>	297.97	
			<i>For Baked Enamel Standard Colors, Add</i>	446.96	
			<i>For Anodized Finish, Add</i>	595.94	
			<i>For Kynar® Standard Colors Finish, Add</i>	819.42	
08 91	19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,878.63	146.10
			<i>For Flange Frame, Add</i>	158.64	
			<i>For Clear Lacquer Finish, Add</i>	317.28	
			<i>For Baked Enamel Standard Colors, Add</i>	475.93	
			<i>For Anodized Finish, Add</i>	634.57	
			<i>For Kynar® Standard Colors Finish, Add</i>	872.53	
08 91	19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,977.53	157.06
			<i>For Flange Frame, Add</i>	166.34	
			<i>For Clear Lacquer Finish, Add</i>	332.68	
			<i>For Baked Enamel Standard Colors, Add</i>	499.02	
			<i>For Anodized Finish, Add</i>	665.36	
			<i>For Kynar® Standard Colors Finish, Add</i>	914.88	
08 91	19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,114.34	168.02
			<i>For Flange Frame, Add</i>	177.83	
			<i>For Clear Lacquer Finish, Add</i>	355.66	
			<i>For Baked Enamel Standard Colors, Add</i>	533.49	
			<i>For Anodized Finish, Add</i>	711.32	
			<i>For Kynar® Standard Colors Finish, Add</i>	978.07	
08 91	19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	585.06	47.49
			<i>For Flange Frame, Add</i>	49.01	
			<i>For Clear Lacquer Finish, Add</i>	98.02	
			<i>For Baked Enamel Standard Colors, Add</i>	147.03	
			<i>For Anodized Finish, Add</i>	196.04	
			<i>For Kynar® Standard Colors Finish, Add</i>	269.56	
08 91	19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	697.42	58.45
			<i>For Flange Frame, Add</i>	58.05	
			<i>For Clear Lacquer Finish, Add</i>	116.11	
			<i>For Baked Enamel Standard Colors, Add</i>	174.16	
			<i>For Anodized Finish, Add</i>	232.22	
			<i>For Kynar® Standard Colors Finish, Add</i>	319.30	
08 91	19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	863.56	69.40
			<i>For Flange Frame, Add</i>	72.48	
			<i>For Clear Lacquer Finish, Add</i>	144.95	
			<i>For Baked Enamel Standard Colors, Add</i>	217.43	
			<i>For Anodized Finish, Add</i>	289.90	
			<i>For Kynar® Standard Colors Finish, Add</i>	398.62	
08 91	19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,018.67	84.02
			<i>For Flange Frame, Add</i>	85.07	
			<i>For Clear Lacquer Finish, Add</i>	170.13	
			<i>For Baked Enamel Standard Colors, Add</i>	255.20	
			<i>For Anodized Finish, Add</i>	340.26	
			<i>For Kynar® Standard Colors Finish, Add</i>	467.86	
08 91	19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,165.28	91.32
			<i>For Flange Frame, Add</i>	98.27	
			<i>For Clear Lacquer Finish, Add</i>	196.53	
			<i>For Baked Enamel Standard Colors, Add</i>	294.80	
			<i>For Anodized Finish, Add</i>	393.06	
			<i>For Kynar® Standard Colors Finish, Add</i>	540.46	
08 91	19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,300.89	98.62
			<i>For Flange Frame, Add</i>	110.37	
			<i>For Clear Lacquer Finish, Add</i>	220.73	
			<i>For Baked Enamel Standard Colors, Add</i>	331.10	
			<i>For Anodized Finish, Add</i>	441.46	
			<i>For Kynar® Standard Colors Finish, Add</i>	607.01	
08 91	19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,414.47	109.58
			<i>For Flange Frame, Add</i>	119.53	
			<i>For Clear Lacquer Finish, Add</i>	239.06	
			<i>For Baked Enamel Standard Colors, Add</i>	358.59	
			<i>For Anodized Finish, Add</i>	478.12	
			<i>For Kynar® Standard Colors Finish, Add</i>	657.42	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,565.91	124.19
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	131.75	
			<i>For Clear Lacquer Finish, Add</i>	263.51	
			<i>For Baked Enamel Standard Colors, Add</i>	395.26	
			<i>For Anodized Finish, Add</i>	527.01	
			<i>For Kynar® Standard Colors Finish, Add</i>	724.64	
08 91	19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,666.09	131.49
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	140.31	
			<i>For Clear Lacquer Finish, Add</i>	280.62	
			<i>For Baked Enamel Standard Colors, Add</i>	420.93	
			<i>For Anodized Finish, Add</i>	561.24	
			<i>For Kynar® Standard Colors Finish, Add</i>	771.70	
08 91	19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,830.96	146.10
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	153.88	
			<i>For Clear Lacquer Finish, Add</i>	307.75	
			<i>For Baked Enamel Standard Colors, Add</i>	461.63	
			<i>For Anodized Finish, Add</i>	615.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	846.31	
08 91	19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,934.79	153.41
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	162.80	
			<i>For Clear Lacquer Finish, Add</i>	325.59	
			<i>For Baked Enamel Standard Colors, Add</i>	488.39	
			<i>For Anodized Finish, Add</i>	651.19	
			<i>For Kynar® Standard Colors Finish, Add</i>	895.38	
08 91	19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,069.18	160.72
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	174.78	
			<i>For Clear Lacquer Finish, Add</i>	349.55	
			<i>For Baked Enamel Standard Colors, Add</i>	524.33	
			<i>For Anodized Finish, Add</i>	699.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	961.26	
08 91	19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,201.12	168.02
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	186.51	
			<i>For Clear Lacquer Finish, Add</i>	373.02	
			<i>For Baked Enamel Standard Colors, Add</i>	559.52	
			<i>For Anodized Finish, Add</i>	746.03	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,025.79	
08 91	19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,302.48	178.98
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	194.45	
			<i>For Clear Lacquer Finish, Add</i>	388.90	
			<i>For Baked Enamel Standard Colors, Add</i>	583.36	
			<i>For Anodized Finish, Add</i>	777.81	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,069.49	
08 91	19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,468.62	189.94
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	208.87	
			<i>For Clear Lacquer Finish, Add</i>	417.75	
			<i>For Baked Enamel Standard Colors, Add</i>	626.62	
			<i>For Anodized Finish, Add</i>	835.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,148.81	
08 91	19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	655.90	54.79
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	54.63	
			<i>For Clear Lacquer Finish, Add</i>	109.26	
			<i>For Baked Enamel Standard Colors, Add</i>	163.90	
			<i>For Anodized Finish, Add</i>	218.53	
			<i>For Kynar® Standard Colors Finish, Add</i>	300.48	
08 91	19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	848.86	73.06
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	70.28	
			<i>For Clear Lacquer Finish, Add</i>	140.55	
			<i>For Baked Enamel Standard Colors, Add</i>	210.83	
			<i>For Anodized Finish, Add</i>	281.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	366.52	
08 91	19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	990.56	84.02
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	82.25	
			<i>For Clear Lacquer Finish, Add</i>	164.51	
			<i>For Baked Enamel Standard Colors, Add</i>	246.76	
			<i>For Anodized Finish, Add</i>	329.02	
			<i>For Kynar® Standard Colors Finish, Add</i>	452.40	
08 91	19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,155.48	94.96
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	96.55	
			<i>For Clear Lacquer Finish, Add</i>	193.11	
			<i>For Baked Enamel Standard Colors, Add</i>	289.66	
			<i>For Anodized Finish, Add</i>	386.22	
			<i>For Kynar® Standard Colors Finish, Add</i>	531.05	



Openings	08	08
Louvers and Vents	08 90	
Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,331.42	102.27
			<i>For Flange Frame, Add</i>	112.69	
			<i>For Clear Lacquer Finish, Add</i>	225.37	
			<i>For Baked Enamel Standard Colors, Add</i>	338.06	
			<i>For Anodized Finish, Add</i>	450.75	
			<i>For Kynar® Standard Colors Finish, Add</i>	619.78	
08 91	19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,480.45	113.23
			<i>For Flange Frame, Add</i>	125.40	
			<i>For Clear Lacquer Finish, Add</i>	250.80	
			<i>For Baked Enamel Standard Colors, Add</i>	376.19	
			<i>For Anodized Finish, Add</i>	501.59	
			<i>For Kynar® Standard Colors Finish, Add</i>	689.69	
08 91	19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,591.61	120.53
			<i>For Flange Frame, Add</i>	135.05	
			<i>For Clear Lacquer Finish, Add</i>	270.11	
			<i>For Baked Enamel Standard Colors, Add</i>	405.16	
			<i>For Anodized Finish, Add</i>	540.21	
			<i>For Kynar® Standard Colors Finish, Add</i>	742.79	
08 91	19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,747.97	131.49
			<i>For Flange Frame, Add</i>	148.50	
			<i>For Clear Lacquer Finish, Add</i>	296.99	
			<i>For Baked Enamel Standard Colors, Add</i>	445.49	
			<i>For Anodized Finish, Add</i>	593.99	
			<i>For Kynar® Standard Colors Finish, Add</i>	816.73	
08 91	19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,872.58	138.80
			<i>For Flange Frame, Add</i>	159.50	
			<i>For Clear Lacquer Finish, Add</i>	318.99	
			<i>For Baked Enamel Standard Colors, Add</i>	478.49	
			<i>For Anodized Finish, Add</i>	637.99	
			<i>For Kynar® Standard Colors Finish, Add</i>	877.23	
08 91	19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,063.12	153.41
			<i>For Flange Frame, Add</i>	175.63	
			<i>For Clear Lacquer Finish, Add</i>	351.26	
			<i>For Baked Enamel Standard Colors, Add</i>	526.89	
			<i>For Anodized Finish, Add</i>	702.52	
			<i>For Kynar® Standard Colors Finish, Add</i>	965.97	
08 91	19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,185.26	164.37
			<i>For Flange Frame, Add</i>	185.65	
			<i>For Clear Lacquer Finish, Add</i>	371.30	
			<i>For Baked Enamel Standard Colors, Add</i>	556.96	
			<i>For Anodized Finish, Add</i>	742.61	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,021.09	
08 91	19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,328.20	171.67
			<i>For Flange Frame, Add</i>	198.49	
			<i>For Clear Lacquer Finish, Add</i>	396.97	
			<i>For Baked Enamel Standard Colors, Add</i>	595.46	
			<i>For Anodized Finish, Add</i>	793.94	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,091.67	
08 91	19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,469.92	178.98
			<i>For Flange Frame, Add</i>	211.20	
			<i>For Clear Lacquer Finish, Add</i>	422.39	
			<i>For Baked Enamel Standard Colors, Add</i>	633.59	
			<i>For Anodized Finish, Add</i>	844.78	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,161.58	
08 91	19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,589.62	189.94
			<i>For Flange Frame, Add</i>	220.97	
			<i>For Clear Lacquer Finish, Add</i>	441.95	
			<i>For Baked Enamel Standard Colors, Add</i>	662.92	
			<i>For Anodized Finish, Add</i>	883.90	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,215.36	
08 91	19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,777.75	200.90
			<i>For Flange Frame, Add</i>	237.60	
			<i>For Clear Lacquer Finish, Add</i>	475.19	
			<i>For Baked Enamel Standard Colors, Add</i>	712.79	
			<i>For Anodized Finish, Add</i>	950.38	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,306.78	
08 91	19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	727.96	62.10
			<i>For Flange Frame, Add</i>	60.38	
			<i>For Clear Lacquer Finish, Add</i>	120.75	
			<i>For Baked Enamel Standard Colors, Add</i>	181.13	
			<i>For Anodized Finish, Add</i>	241.51	
			<i>For Kynar® Standard Colors Finish, Add</i>	332.07	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	955.15	80.36
			<i>For Flange Frame, Add</i>	79.44	
			<i>For Clear Lacquer Finish, Add</i>	158.89	
			<i>For Baked Enamel Standard Colors, Add</i>	238.33	
			<i>For Anodized Finish, Add</i>	317.77	
			<i>For Kynar® Standard Colors Finish, Add</i>	436.94	
08 91	19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,104.17	91.32
			<i>For Flange Frame, Add</i>	92.15	
			<i>For Clear Lacquer Finish, Add</i>	184.31	
			<i>For Baked Enamel Standard Colors, Add</i>	276.46	
			<i>For Anodized Finish, Add</i>	368.62	
			<i>For Kynar® Standard Colors Finish, Add</i>	506.85	
08 91	19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,281.31	102.27
			<i>For Flange Frame, Add</i>	107.68	
			<i>For Clear Lacquer Finish, Add</i>	215.35	
			<i>For Baked Enamel Standard Colors, Add</i>	323.03	
			<i>For Anodized Finish, Add</i>	430.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	592.22	
08 91	19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,479.72	111.04
			<i>For Flange Frame, Add</i>	125.76	
			<i>For Clear Lacquer Finish, Add</i>	251.53	
			<i>For Baked Enamel Standard Colors, Add</i>	377.29	
			<i>For Anodized Finish, Add</i>	503.06	
			<i>For Kynar® Standard Colors Finish, Add</i>	691.70	
08 91	19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,634.39	120.53
			<i>For Flange Frame, Add</i>	139.33	
			<i>For Clear Lacquer Finish, Add</i>	278.66	
			<i>For Baked Enamel Standard Colors, Add</i>	417.99	
			<i>For Anodized Finish, Add</i>	557.32	
			<i>For Kynar® Standard Colors Finish, Add</i>	766.32	
08 91	19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,767.55	127.84
			<i>For Flange Frame, Add</i>	151.19	
			<i>For Clear Lacquer Finish, Add</i>	302.37	
			<i>For Baked Enamel Standard Colors, Add</i>	453.56	
			<i>For Anodized Finish, Add</i>	604.74	
			<i>For Kynar® Standard Colors Finish, Add</i>	831.52	
08 91	19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,945.91	138.80
			<i>For Flange Frame, Add</i>	166.83	
			<i>For Clear Lacquer Finish, Add</i>	333.66	
			<i>For Baked Enamel Standard Colors, Add</i>	500.49	
			<i>For Anodized Finish, Add</i>	667.32	
			<i>For Kynar® Standard Colors Finish, Add</i>	917.57	
08 91	19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,081.48	149.76
			<i>For Flange Frame, Add</i>	178.20	
			<i>For Clear Lacquer Finish, Add</i>	356.39	
			<i>For Baked Enamel Standard Colors, Add</i>	534.59	
			<i>For Anodized Finish, Add</i>	712.79	
			<i>For Kynar® Standard Colors Finish, Add</i>	980.08	
08 91	19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,295.28	160.72
			<i>For Flange Frame, Add</i>	197.39	
			<i>For Clear Lacquer Finish, Add</i>	394.77	
			<i>For Baked Enamel Standard Colors, Add</i>	592.16	
			<i>For Anodized Finish, Add</i>	789.54	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,085.62	
08 91	19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,436.98	171.67
			<i>For Flange Frame, Add</i>	209.36	
			<i>For Clear Lacquer Finish, Add</i>	418.73	
			<i>For Baked Enamel Standard Colors, Add</i>	628.09	
			<i>For Anodized Finish, Add</i>	837.45	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,151.50	
08 91	19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,589.70	178.98
			<i>For Flange Frame, Add</i>	223.17	
			<i>For Clear Lacquer Finish, Add</i>	446.35	
			<i>For Baked Enamel Standard Colors, Add</i>	669.52	
			<i>For Anodized Finish, Add</i>	892.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,227.46	
08 91	19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,748.53	186.29
			<i>For Flange Frame, Add</i>	237.60	
			<i>For Clear Lacquer Finish, Add</i>	475.19	
			<i>For Baked Enamel Standard Colors, Add</i>	712.79	
			<i>For Anodized Finish, Add</i>	950.38	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,306.78	



Openings	08
Louvers and Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,885.33	197.24
			<i>For Flange Frame, Add</i>	249.08	
			<i>For Clear Lacquer Finish, Add</i>	498.17	
			<i>For Baked Enamel Standard Colors, Add</i>	747.25	
			<i>For Anodized Finish, Add</i>	996.34	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,369.96	
08 91	19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,097.91	208.20
			<i>For Flange Frame, Add</i>	268.15	
			<i>For Clear Lacquer Finish, Add</i>	536.30	
			<i>For Baked Enamel Standard Colors, Add</i>	804.45	
			<i>For Anodized Finish, Add</i>	1,072.60	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,474.83	
08 91	19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	846.45	69.40
			<i>For Flange Frame, Add</i>	70.77	
			<i>For Clear Lacquer Finish, Add</i>	141.53	
			<i>For Baked Enamel Standard Colors, Add</i>	212.30	
			<i>For Anodized Finish, Add</i>	283.06	
			<i>For Kynar® Standard Colors Finish, Add</i>	389.21	
08 91	19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,038.20	87.67
			<i>For Flange Frame, Add</i>	86.29	
			<i>For Clear Lacquer Finish, Add</i>	172.57	
			<i>For Baked Enamel Standard Colors, Add</i>	258.86	
			<i>For Anodized Finish, Add</i>	345.15	
			<i>For Kynar® Standard Colors Finish, Add</i>	474.58	
08 91	19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,203.11	98.62
			<i>For Flange Frame, Add</i>	100.59	
			<i>For Clear Lacquer Finish, Add</i>	201.17	
			<i>For Baked Enamel Standard Colors, Add</i>	301.76	
			<i>For Anodized Finish, Add</i>	402.35	
			<i>For Kynar® Standard Colors Finish, Add</i>	553.23	
08 91	19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,407.12	113.23
			<i>For Flange Frame, Add</i>	118.07	
			<i>For Clear Lacquer Finish, Add</i>	236.13	
			<i>For Baked Enamel Standard Colors, Add</i>	354.20	
			<i>For Anodized Finish, Add</i>	472.26	
			<i>For Kynar® Standard Colors Finish, Add</i>	649.36	
08 91	19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,622.17	120.53
			<i>For Flange Frame, Add</i>	138.11	
			<i>For Clear Lacquer Finish, Add</i>	276.22	
			<i>For Baked Enamel Standard Colors, Add</i>	414.33	
			<i>For Anodized Finish, Add</i>	552.44	
			<i>For Kynar® Standard Colors Finish, Add</i>	759.60	
08 91	19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,794.44	127.84
			<i>For Flange Frame, Add</i>	153.88	
			<i>For Clear Lacquer Finish, Add</i>	307.75	
			<i>For Baked Enamel Standard Colors, Add</i>	461.63	
			<i>For Anodized Finish, Add</i>	615.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	846.31	
08 91	19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,943.49	135.15
			<i>For Flange Frame, Add</i>	167.32	
			<i>For Clear Lacquer Finish, Add</i>	334.64	
			<i>For Baked Enamel Standard Colors, Add</i>	501.96	
			<i>For Anodized Finish, Add</i>	669.28	
			<i>For Kynar® Standard Colors Finish, Add</i>	920.25	
08 91	19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,121.84	146.10
			<i>For Flange Frame, Add</i>	182.96	
			<i>For Clear Lacquer Finish, Add</i>	365.93	
			<i>For Baked Enamel Standard Colors, Add</i>	548.89	
			<i>For Anodized Finish, Add</i>	731.85	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,006.30	
08 91	19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,274.53	157.06
			<i>For Flange Frame, Add</i>	196.04	
			<i>For Clear Lacquer Finish, Add</i>	392.08	
			<i>For Baked Enamel Standard Colors, Add</i>	588.12	
			<i>For Anodized Finish, Add</i>	784.16	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,078.23	
08 91	19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,511.56	168.02
			<i>For Flange Frame, Add</i>	217.55	
			<i>For Clear Lacquer Finish, Add</i>	435.10	
			<i>For Baked Enamel Standard Colors, Add</i>	652.66	
			<i>For Anodized Finish, Add</i>	870.21	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,196.54	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,664.25	178.98
			<i>For Flange Frame, Add</i>	230.63	
			<i>For Clear Lacquer Finish, Add</i>	461.26	
			<i>For Baked Enamel Standard Colors, Add</i>	691.89	
			<i>For Anodized Finish, Add</i>	922.52	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,268.46	
08 91	19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,836.53	186.29
			<i>For Flange Frame, Add</i>	246.40	
			<i>For Clear Lacquer Finish, Add</i>	492.79	
			<i>For Baked Enamel Standard Colors, Add</i>	739.19	
			<i>For Anodized Finish, Add</i>	985.58	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,355.18	
08 91	19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,010.02	193.59
			<i>For Flange Frame, Add</i>	262.28	
			<i>For Clear Lacquer Finish, Add</i>	524.57	
			<i>For Baked Enamel Standard Colors, Add</i>	786.85	
			<i>For Anodized Finish, Add</i>	1,049.14	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,442.56	
08 91	19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,171.27	204.55
			<i>For Flange Frame, Add</i>	276.22	
			<i>For Clear Lacquer Finish, Add</i>	552.43	
			<i>For Baked Enamel Standard Colors, Add</i>	828.65	
			<i>For Anodized Finish, Add</i>	1,104.87	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,519.19	
08 91	19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,399.74	215.51
			<i>For Flange Frame, Add</i>	296.87	
			<i>For Clear Lacquer Finish, Add</i>	593.74	
			<i>For Baked Enamel Standard Colors, Add</i>	890.62	
			<i>For Anodized Finish, Add</i>	1,187.49	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,632.80	
08 91	19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	925.84	76.71
			<i>For Flange Frame, Add</i>	77.24	
			<i>For Clear Lacquer Finish, Add</i>	154.49	
			<i>For Baked Enamel Standard Colors, Add</i>	231.73	
			<i>For Anodized Finish, Add</i>	308.97	
			<i>For Kynar® Standard Colors Finish, Add</i>	424.84	
08 91	19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,134.70	94.96
			<i>For Flange Frame, Add</i>	94.48	
			<i>For Clear Lacquer Finish, Add</i>	188.95	
			<i>For Baked Enamel Standard Colors, Add</i>	283.43	
			<i>For Anodized Finish, Add</i>	377.90	
			<i>For Kynar® Standard Colors Finish, Add</i>	519.62	
08 91	19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,328.92	109.58
			<i>For Flange Frame, Add</i>	110.98	
			<i>For Clear Lacquer Finish, Add</i>	221.95	
			<i>For Baked Enamel Standard Colors, Add</i>	332.93	
			<i>For Anodized Finish, Add</i>	443.90	
			<i>For Kynar® Standard Colors Finish, Add</i>	610.37	
08 91	19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,529.28	120.53
			<i>For Flange Frame, Add</i>	128.82	
			<i>For Clear Lacquer Finish, Add</i>	257.64	
			<i>For Baked Enamel Standard Colors, Add</i>	386.46	
			<i>For Anodized Finish, Add</i>	515.28	
			<i>For Kynar® Standard Colors Finish, Add</i>	708.51	
08 91	19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,774.88	127.84
			<i>For Flange Frame, Add</i>	151.92	
			<i>For Clear Lacquer Finish, Add</i>	303.84	
			<i>For Baked Enamel Standard Colors, Add</i>	455.76	
			<i>For Anodized Finish, Add</i>	607.68	
			<i>For Kynar® Standard Colors Finish, Add</i>	835.55	
08 91	19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,974.05	135.15
			<i>For Flange Frame, Add</i>	170.38	
			<i>For Clear Lacquer Finish, Add</i>	340.75	
			<i>For Baked Enamel Standard Colors, Add</i>	511.13	
			<i>For Anodized Finish, Add</i>	681.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	937.06	
08 91	19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,138.95	146.10
			<i>For Flange Frame, Add</i>	184.67	
			<i>For Clear Lacquer Finish, Add</i>	369.35	
			<i>For Baked Enamel Standard Colors, Add</i>	554.02	
			<i>For Anodized Finish, Add</i>	738.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,015.71	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0099	EA		48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,397.97	157.06
				Note: Includes bird screen.		
				For Flange Frame, Add	208.39	
				For Clear Lacquer Finish, Add	416.77	
				For Baked Enamel Standard Colors, Add	625.16	
				For Anodized Finish, Add	833.54	
				For Kynar® Standard Colors Finish, Add	1,146.12	
08 91	19 00-0100	EA		48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,511.56	168.02
				Note: Includes bird screen.		
				For Flange Frame, Add	217.55	
				For Clear Lacquer Finish, Add	435.10	
				For Baked Enamel Standard Colors, Add	652.66	
				For Anodized Finish, Add	870.21	
				For Kynar® Standard Colors Finish, Add	1,196.54	
08 91	19 00-0101	EA		48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,764.47	178.98
				Note: Includes bird screen.		
				For Flange Frame, Add	240.65	
				For Clear Lacquer Finish, Add	481.30	
				For Baked Enamel Standard Colors, Add	721.95	
				For Anodized Finish, Add	962.60	
				For Kynar® Standard Colors Finish, Add	1,323.58	
08 91	19 00-0102	EA		48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,940.39	189.94
				Note: Includes bird screen.		
				For Flange Frame, Add	256.05	
				For Clear Lacquer Finish, Add	512.10	
				For Baked Enamel Standard Colors, Add	768.15	
				For Anodized Finish, Add	1,024.20	
				For Kynar® Standard Colors Finish, Add	1,408.28	
08 91	19 00-0103	EA		48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,132.22	197.24
				Note: Includes bird screen.		
				For Flange Frame, Add	273.77	
				For Clear Lacquer Finish, Add	547.55	
				For Baked Enamel Standard Colors, Add	821.32	
				For Anodized Finish, Add	1,095.09	
				For Kynar® Standard Colors Finish, Add	1,505.75	
08 91	19 00-0104	EA		48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,324.05	204.55
				Note: Includes bird screen.		
				For Flange Frame, Add	291.50	
				For Clear Lacquer Finish, Add	582.99	
				For Baked Enamel Standard Colors, Add	874.49	
				For Anodized Finish, Add	1,165.98	
				For Kynar® Standard Colors Finish, Add	1,603.22	
08 91	19 00-0105	EA		48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,484.10	211.86
				Note: Includes bird screen.		
				For Flange Frame, Add	306.04	
				For Clear Lacquer Finish, Add	612.08	
				For Baked Enamel Standard Colors, Add	918.12	
				For Anodized Finish, Add	1,224.16	
				For Kynar® Standard Colors Finish, Add	1,683.21	
08 91	19 00-0106	EA		48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,746.79	222.81
				Note: Includes bird screen.		
				For Flange Frame, Add	330.12	
				For Clear Lacquer Finish, Add	660.23	
				For Baked Enamel Standard Colors, Add	990.35	
				For Anodized Finish, Add	1,320.46	
				For Kynar® Standard Colors Finish, Add	1,815.64	
08 91	19 00-0107	EA		54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,025.98	87.67
				Note: Includes bird screen.		
				For Flange Frame, Add	85.07	
				For Clear Lacquer Finish, Add	170.13	
				For Baked Enamel Standard Colors, Add	255.20	
				For Anodized Finish, Add	340.26	
				For Kynar® Standard Colors Finish, Add	467.86	
08 91	19 00-0108	EA		54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,259.29	105.92
				Note: Includes bird screen.		
				For Flange Frame, Add	104.74	
				For Clear Lacquer Finish, Add	209.49	
				For Baked Enamel Standard Colors, Add	314.23	
				For Anodized Finish, Add	418.97	
				For Kynar® Standard Colors Finish, Add	576.09	
08 91	19 00-0109	EA		54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,474.25	124.19
				Note: Includes bird screen.		
				For Flange Frame, Add	122.59	
				For Clear Lacquer Finish, Add	245.17	
				For Baked Enamel Standard Colors, Add	367.76	
				For Anodized Finish, Add	490.35	
				For Kynar® Standard Colors Finish, Add	674.23	
08 91	19 00-0110	EA		54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,688.09	131.49
				Note: Includes bird screen.		
				For Flange Frame, Add	142.51	
				For Clear Lacquer Finish, Add	285.02	
				For Baked Enamel Standard Colors, Add	427.53	
				For Anodized Finish, Add	570.04	
				For Kynar® Standard Colors Finish, Add	783.80	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0111 EA 54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,981.36	138.80
Note: Includes bird screen.		
For Flange Frame, Add	170.38	
For Clear Lacquer Finish, Add	340.75	
For Baked Enamel Standard Colors, Add	511.13	
For Anodized Finish, Add	681.50	
For Kynar® Standard Colors Finish, Add	937.06	
08 91 19 00-0112 EA 54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,185.40	146.10
Note: Includes bird screen.		
For Flange Frame, Add	189.32	
For Clear Lacquer Finish, Add	378.64	
For Baked Enamel Standard Colors, Add	567.96	
For Anodized Finish, Add	757.28	
For Kynar® Standard Colors Finish, Add	1,041.25	
08 91 19 00-0113 EA 54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,378.42	157.06
Note: Includes bird screen.		
For Flange Frame, Add	206.43	
For Clear Lacquer Finish, Add	412.86	
For Baked Enamel Standard Colors, Add	619.29	
For Anodized Finish, Add	825.72	
For Kynar® Standard Colors Finish, Add	1,135.37	
08 91 19 00-0114 EA 54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,660.66	168.02
Note: Includes bird screen.		
For Flange Frame, Add	232.46	
For Clear Lacquer Finish, Add	464.92	
For Baked Enamel Standard Colors, Add	697.39	
For Anodized Finish, Add	929.85	
For Kynar® Standard Colors Finish, Add	1,278.54	
08 91 19 00-0115 EA 54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,859.80	178.98
Note: Includes bird screen.		
For Flange Frame, Add	250.18	
For Clear Lacquer Finish, Add	500.37	
For Baked Enamel Standard Colors, Add	750.55	
For Anodized Finish, Add	1,000.74	
For Kynar® Standard Colors Finish, Add	1,376.01	
08 91 19 00-0116 EA 54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,155.50	189.94
Note: Includes bird screen.		
For Flange Frame, Add	277.56	
For Clear Lacquer Finish, Add	555.12	
For Baked Enamel Standard Colors, Add	832.69	
For Anodized Finish, Add	1,110.25	
For Kynar® Standard Colors Finish, Add	1,526.59	
08 91 19 00-0117 EA 54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,346.10	197.24
Note: Includes bird screen.		
For Flange Frame, Add	295.16	
For Clear Lacquer Finish, Add	590.32	
For Baked Enamel Standard Colors, Add	885.48	
For Anodized Finish, Add	1,180.64	
For Kynar® Standard Colors Finish, Add	1,623.39	
08 91 19 00-0118 EA 54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,563.60	204.55
Note: Includes bird screen.		
For Flange Frame, Add	315.45	
For Clear Lacquer Finish, Add	630.90	
For Baked Enamel Standard Colors, Add	946.35	
For Anodized Finish, Add	1,261.80	
For Kynar® Standard Colors Finish, Add	1,734.98	
08 91 19 00-0119 EA 54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,772.54	211.86
Note: Includes bird screen.		
For Flange Frame, Add	334.88	
For Clear Lacquer Finish, Add	669.77	
For Baked Enamel Standard Colors, Add	1,004.65	
For Anodized Finish, Add	1,339.53	
For Kynar® Standard Colors Finish, Add	1,841.86	
08 91 19 00-0120 EA 54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,946.03	219.16
Note: Includes bird screen.		
For Flange Frame, Add	350.77	
For Clear Lacquer Finish, Add	701.54	
For Baked Enamel Standard Colors, Add	1,052.31	
For Anodized Finish, Add	1,403.08	
For Kynar® Standard Colors Finish, Add	1,929.24	
08 91 19 00-0121 EA 54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,251.50	230.12
Note: Includes bird screen.		
For Flange Frame, Add	379.13	
For Clear Lacquer Finish, Add	758.25	
For Baked Enamel Standard Colors, Add	1,137.38	
For Anodized Finish, Add	1,516.50	
For Kynar® Standard Colors Finish, Add	2,085.19	
08 91 19 00-0122 EA 60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,102.92	94.96
Note: Includes bird screen.		
For Flange Frame, Add	91.30	
For Clear Lacquer Finish, Add	182.60	
For Baked Enamel Standard Colors, Add	273.89	
For Anodized Finish, Add	365.19	
For Kynar® Standard Colors Finish, Add	502.14	



Openings	08	08
Louvers and Vents	08 90	
Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,360.64 112.69 225.37 338.06 450.75 619.78	116.88
08 91	19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,580.53 131.75 263.51 395.26 527.01 724.64	131.49
08 91	19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,827.36 154.98 309.95 464.93 619.90 852.36	138.80
08 91	19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,134.03 183.45 366.90 550.36 733.81 1,008.99	149.76
08 91	19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,362.53 204.84 409.68 614.52 819.36 1,126.63	157.06
08 91	19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,564.11 222.81 445.61 668.42 891.23 1,225.44	168.02
08 91	19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,865.91 250.80 501.59 752.39 1,003.18 1,379.37	178.98
08 91	19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,079.72 269.98 539.97 809.95 1,079.94 1,484.91	189.94
08 91	19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,399.85 299.81 599.61 899.42 1,199.22 1,648.93	200.90
08 91	19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,602.68 318.63 637.26 955.88 1,274.51 1,752.45	208.20
08 91	19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,833.62 340.26 680.52 1,020.78 1,361.04 1,871.43	215.51
08 91	19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,059.68 361.41 722.81 1,084.22 1,445.62 1,987.73	222.81

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,251.50	230.12
			<i>For Flange Frame, Add</i>	379.13	
			<i>For Clear Lacquer Finish, Add</i>	758.25	
			<i>For Baked Enamel Standard Colors, Add</i>	1,137.38	
			<i>For Anodized Finish, Add</i>	1,516.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,085.19	
08 91	19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,570.43	237.43
			<i>For Flange Frame, Add</i>	409.56	
			<i>For Clear Lacquer Finish, Add</i>	819.12	
			<i>For Baked Enamel Standard Colors, Add</i>	1,228.68	
			<i>For Anodized Finish, Add</i>	1,638.24	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,252.57	
08 91	19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,270.31	102.27
			<i>For Flange Frame, Add</i>	106.58	
			<i>For Clear Lacquer Finish, Add</i>	213.15	
			<i>For Baked Enamel Standard Colors, Add</i>	319.73	
			<i>For Anodized Finish, Add</i>	426.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	586.17	
08 91	19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,570.80	124.19
			<i>For Flange Frame, Add</i>	132.24	
			<i>For Clear Lacquer Finish, Add</i>	264.48	
			<i>For Baked Enamel Standard Colors, Add</i>	396.73	
			<i>For Anodized Finish, Add</i>	528.97	
			<i>For Kynar® Standard Colors Finish, Add</i>	727.33	
08 91	19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,830.96	146.10
			<i>For Flange Frame, Add</i>	153.88	
			<i>For Clear Lacquer Finish, Add</i>	307.75	
			<i>For Baked Enamel Standard Colors, Add</i>	461.63	
			<i>For Anodized Finish, Add</i>	615.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	846.31	
08 91	19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,099.79	153.41
			<i>For Flange Frame, Add</i>	179.30	
			<i>For Clear Lacquer Finish, Add</i>	358.59	
			<i>For Baked Enamel Standard Colors, Add</i>	537.89	
			<i>For Anodized Finish, Add</i>	717.19	
			<i>For Kynar® Standard Colors Finish, Add</i>	986.13	
08 91	19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,456.61	160.72
			<i>For Flange Frame, Add</i>	213.52	
			<i>For Clear Lacquer Finish, Add</i>	427.04	
			<i>For Baked Enamel Standard Colors, Add</i>	640.55	
			<i>For Anodized Finish, Add</i>	854.07	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,174.35	
08 91	19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,705.89	168.02
			<i>For Flange Frame, Add</i>	236.99	
			<i>For Clear Lacquer Finish, Add</i>	473.97	
			<i>For Baked Enamel Standard Colors, Add</i>	710.96	
			<i>For Anodized Finish, Add</i>	947.94	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,303.42	
08 91	19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,946.58	178.98
			<i>For Flange Frame, Add</i>	258.86	
			<i>For Clear Lacquer Finish, Add</i>	517.72	
			<i>For Baked Enamel Standard Colors, Add</i>	776.59	
			<i>For Anodized Finish, Add</i>	1,035.45	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,423.74	
08 91	19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,228.83	189.94
			<i>For Flange Frame, Add</i>	284.90	
			<i>For Clear Lacquer Finish, Add</i>	569.79	
			<i>For Baked Enamel Standard Colors, Add</i>	854.69	
			<i>For Anodized Finish, Add</i>	1,139.58	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,566.92	
08 91	19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,468.29	200.90
			<i>For Flange Frame, Add</i>	306.65	
			<i>For Clear Lacquer Finish, Add</i>	613.30	
			<i>For Baked Enamel Standard Colors, Add</i>	919.95	
			<i>For Anodized Finish, Add</i>	1,226.60	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,686.58	
08 91	19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,836.07	215.51
			<i>For Flange Frame, Add</i>	340.51	
			<i>For Clear Lacquer Finish, Add</i>	681.01	
			<i>For Baked Enamel Standard Colors, Add</i>	1,021.52	
			<i>For Anodized Finish, Add</i>	1,362.02	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,872.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0147 EA 66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,066.98	226.47
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	361.41	
<i>For Clear Lacquer Finish, Add</i>	722.81	
<i>For Baked Enamel Standard Colors, Add</i>	1,084.22	
<i>For Anodized Finish, Add</i>	1,445.62	
<i>For Kynar® Standard Colors Finish, Add</i>	1,987.73	
08 91 19 00-0148 EA 66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,311.35	233.77
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	384.38	
<i>For Clear Lacquer Finish, Add</i>	768.76	
<i>For Baked Enamel Standard Colors, Add</i>	1,153.15	
<i>For Anodized Finish, Add</i>	1,537.53	
<i>For Kynar® Standard Colors Finish, Add</i>	2,114.10	
08 91 19 00-0149 EA 66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,560.63	241.08
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	407.85	
<i>For Clear Lacquer Finish, Add</i>	815.70	
<i>For Baked Enamel Standard Colors, Add</i>	1,223.54	
<i>For Anodized Finish, Add</i>	1,631.39	
<i>For Kynar® Standard Colors Finish, Add</i>	2,243.16	
08 91 19 00-0150 EA 66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,776.90	248.38
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	428.01	
<i>For Clear Lacquer Finish, Add</i>	856.03	
<i>For Baked Enamel Standard Colors, Add</i>	1,284.04	
<i>For Anodized Finish, Add</i>	1,712.06	
<i>For Kynar® Standard Colors Finish, Add</i>	2,354.08	
08 91 19 00-0151 EA 66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,132.51	255.69
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	462.11	
<i>For Clear Lacquer Finish, Add</i>	924.23	
<i>For Baked Enamel Standard Colors, Add</i>	1,386.34	
<i>For Anodized Finish, Add</i>	1,848.46	
<i>For Kynar® Standard Colors Finish, Add</i>	2,541.63	
08 91 19 00-0152 EA 72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,341.14	109.58
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	112.20	
<i>For Clear Lacquer Finish, Add</i>	224.40	
<i>For Baked Enamel Standard Colors, Add</i>	336.59	
<i>For Anodized Finish, Add</i>	448.79	
<i>For Kynar® Standard Colors Finish, Add</i>	617.09	
08 91 19 00-0153 EA 72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,656.31	131.49
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	139.33	
<i>For Clear Lacquer Finish, Add</i>	278.66	
<i>For Baked Enamel Standard Colors, Add</i>	417.99	
<i>For Anodized Finish, Add</i>	557.32	
<i>For Kynar® Standard Colors Finish, Add</i>	766.32	
08 91 19 00-0154 EA 72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,929.90	153.41
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	162.31	
<i>For Clear Lacquer Finish, Add</i>	324.62	
<i>For Baked Enamel Standard Colors, Add</i>	486.92	
<i>For Anodized Finish, Add</i>	649.23	
<i>For Kynar® Standard Colors Finish, Add</i>	892.69	
08 91 19 00-0155 EA 72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,221.93	164.37
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	189.32	
<i>For Clear Lacquer Finish, Add</i>	378.64	
<i>For Baked Enamel Standard Colors, Add</i>	567.96	
<i>For Anodized Finish, Add</i>	757.28	
<i>For Kynar® Standard Colors Finish, Add</i>	1,041.25	
08 91 19 00-0156 EA 72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,604.42	171.67
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	226.11	
<i>For Clear Lacquer Finish, Add</i>	452.21	
<i>For Baked Enamel Standard Colors, Add</i>	678.32	
<i>For Anodized Finish, Add</i>	904.43	
<i>For Kynar® Standard Colors Finish, Add</i>	1,243.59	
08 91 19 00-0157 EA 72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,867.14	178.98
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	250.92	
<i>For Clear Lacquer Finish, Add</i>	501.84	
<i>For Baked Enamel Standard Colors, Add</i>	752.75	
<i>For Anodized Finish, Add</i>	1,003.67	
<i>For Kynar® Standard Colors Finish, Add</i>	1,380.05	
08 91 19 00-0158 EA 72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,123.72	189.94
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	274.38	
<i>For Clear Lacquer Finish, Add</i>	548.77	
<i>For Baked Enamel Standard Colors, Add</i>	823.15	
<i>For Anodized Finish, Add</i>	1,097.54	
<i>For Kynar® Standard Colors Finish, Add</i>	1,509.11	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,414.55	197.24
			<i>For Flange Frame, Add</i>	302.01	
			<i>For Clear Lacquer Finish, Add</i>	604.01	
			<i>For Baked Enamel Standard Colors, Add</i>	906.02	
			<i>For Anodized Finish, Add</i>	1,208.02	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,661.03	
08 91	19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,665.01	208.20
			<i>For Flange Frame, Add</i>	324.86	
			<i>For Clear Lacquer Finish, Add</i>	649.72	
			<i>For Baked Enamel Standard Colors, Add</i>	974.58	
			<i>For Anodized Finish, Add</i>	1,299.44	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,786.74	
08 91	19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,066.98	226.47
			<i>For Flange Frame, Add</i>	361.41	
			<i>For Clear Lacquer Finish, Add</i>	722.81	
			<i>For Baked Enamel Standard Colors, Add</i>	1,084.22	
			<i>For Anodized Finish, Add</i>	1,445.62	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,987.73	
08 91	19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,321.10	237.43
			<i>For Flange Frame, Add</i>	384.63	
			<i>For Clear Lacquer Finish, Add</i>	769.25	
			<i>For Baked Enamel Standard Colors, Add</i>	1,153.88	
			<i>For Anodized Finish, Add</i>	1,538.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,115.44	
08 91	19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,572.82	244.73
			<i>For Flange Frame, Add</i>	408.34	
			<i>For Clear Lacquer Finish, Add</i>	816.67	
			<i>For Baked Enamel Standard Colors, Add</i>	1,225.01	
			<i>For Anodized Finish, Add</i>	1,633.35	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,245.85	
08 91	19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,828.20	252.04
			<i>For Flange Frame, Add</i>	432.41	
			<i>For Clear Lacquer Finish, Add</i>	864.83	
			<i>For Baked Enamel Standard Colors, Add</i>	1,297.24	
			<i>For Anodized Finish, Add</i>	1,729.66	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,378.28	
08 91	19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	5,067.70	259.34
			<i>For Flange Frame, Add</i>	454.90	
			<i>For Clear Lacquer Finish, Add</i>	909.81	
			<i>For Baked Enamel Standard Colors, Add</i>	1,364.71	
			<i>For Anodized Finish, Add</i>	1,819.61	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,501.97	
08 91	19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	5,446.53	266.65
			<i>For Flange Frame, Add</i>	491.32	
			<i>For Clear Lacquer Finish, Add</i>	982.65	
			<i>For Baked Enamel Standard Colors, Add</i>	1,473.97	
			<i>For Anodized Finish, Add</i>	1,965.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,702.28	
08 91	19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,426.64	116.88
			<i>For Flange Frame, Add</i>	119.29	
			<i>For Clear Lacquer Finish, Add</i>	238.57	
			<i>For Baked Enamel Standard Colors, Add</i>	357.86	
			<i>For Anodized Finish, Add</i>	477.15	
			<i>For Kynar® Standard Colors Finish, Add</i>	656.08	
08 91	19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,750.36	138.80
			<i>For Flange Frame, Add</i>	147.28	
			<i>For Clear Lacquer Finish, Add</i>	294.55	
			<i>For Baked Enamel Standard Colors, Add</i>	441.83	
			<i>For Anodized Finish, Add</i>	589.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	810.01	
08 91	19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,030.07	160.72
			<i>For Flange Frame, Add</i>	170.86	
			<i>For Clear Lacquer Finish, Add</i>	341.73	
			<i>For Baked Enamel Standard Colors, Add</i>	512.59	
			<i>For Anodized Finish, Add</i>	683.46	
			<i>For Kynar® Standard Colors Finish, Add</i>	939.75	
08 91	19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,341.65	171.67
			<i>For Flange Frame, Add</i>	199.83	
			<i>For Clear Lacquer Finish, Add</i>	399.66	
			<i>For Baked Enamel Standard Colors, Add</i>	599.49	
			<i>For Anodized Finish, Add</i>	799.32	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,099.07	



	Openings	08
	Louvers and Vents	08 90
	Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,746.14 238.82 477.64 716.45 955.27 1,313.50	178.98
08 91	19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,019.86 264.73 529.46 794.19 1,058.92 1,456.01	186.29
08 91	19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,294.77 290.03 580.06 870.08 1,160.11 1,595.15	197.24
08 91	19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,602.71 319.36 638.72 958.08 1,277.44 1,756.49	204.55
08 91	19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,871.51 344.05 688.10 1,032.15 1,376.20 1,892.27	215.51
08 91	19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,299.13 383.16 766.32 1,149.48 1,532.64 2,107.38	233.77
08 91	19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,565.49 407.60 815.21 1,222.81 1,630.42 2,241.82	244.73
08 91	19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,844.07 433.27 866.54 1,299.81 1,733.08 2,382.99	255.69
08 91	19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,099.45 457.35 914.69 1,372.04 1,829.39 2,515.41	263.00
08 91	19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,354.84 481.43 962.85 1,444.28 1,925.70 2,647.84	270.30
08 91	19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,758.11 520.29 1,040.58 1,560.87 2,081.16 2,861.60	277.61
08 91	19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,496.25 124.79 249.57 374.36 499.15 686.33	124.19

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,833.40	146.10
			<i>For Flange Frame, Add</i>	154.12	
			<i>For Clear Lacquer Finish, Add</i>	308.24	
			<i>For Baked Enamel Standard Colors, Add</i>	462.36	
			<i>For Anodized Finish, Add</i>	616.48	
			<i>For Kynar® Standard Colors Finish, Add</i>	847.65	
08 91	19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,142.45	168.02
			<i>For Flange Frame, Add</i>	180.64	
			<i>For Clear Lacquer Finish, Add</i>	361.28	
			<i>For Baked Enamel Standard Colors, Add</i>	541.92	
			<i>For Anodized Finish, Add</i>	722.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	993.53	
08 91	19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,463.81	178.98
			<i>For Flange Frame, Add</i>	210.59	
			<i>For Clear Lacquer Finish, Add</i>	421.17	
			<i>For Baked Enamel Standard Colors, Add</i>	631.76	
			<i>For Anodized Finish, Add</i>	842.34	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,158.22	
08 91	19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,893.97	186.29
			<i>For Flange Frame, Add</i>	252.14	
			<i>For Clear Lacquer Finish, Add</i>	504.28	
			<i>For Baked Enamel Standard Colors, Add</i>	756.42	
			<i>For Anodized Finish, Add</i>	1,008.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,386.77	
08 91	19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,183.57	193.59
			<i>For Flange Frame, Add</i>	279.64	
			<i>For Clear Lacquer Finish, Add</i>	559.28	
			<i>For Baked Enamel Standard Colors, Add</i>	838.92	
			<i>For Anodized Finish, Add</i>	1,118.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,538.01	
08 91	19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,464.60	204.55
			<i>For Flange Frame, Add</i>	305.55	
			<i>For Clear Lacquer Finish, Add</i>	611.10	
			<i>For Baked Enamel Standard Colors, Add</i>	916.65	
			<i>For Anodized Finish, Add</i>	1,222.20	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,680.53	
08 91	19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,796.98	211.86
			<i>For Flange Frame, Add</i>	337.33	
			<i>For Clear Lacquer Finish, Add</i>	674.65	
			<i>For Baked Enamel Standard Colors, Add</i>	1,011.98	
			<i>For Anodized Finish, Add</i>	1,349.31	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,855.30	
08 91	19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,079.23	222.81
			<i>For Flange Frame, Add</i>	363.36	
			<i>For Clear Lacquer Finish, Add</i>	726.72	
			<i>For Baked Enamel Standard Colors, Add</i>	1,090.08	
			<i>For Anodized Finish, Add</i>	1,453.44	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,998.48	
08 91	19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,532.52	241.08
			<i>For Flange Frame, Add</i>	405.04	
			<i>For Clear Lacquer Finish, Add</i>	810.07	
			<i>For Baked Enamel Standard Colors, Add</i>	1,215.11	
			<i>For Anodized Finish, Add</i>	1,620.15	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,227.70	
08 91	19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,808.65	252.04
			<i>For Flange Frame, Add</i>	430.46	
			<i>For Clear Lacquer Finish, Add</i>	860.92	
			<i>For Baked Enamel Standard Colors, Add</i>	1,291.38	
			<i>For Anodized Finish, Add</i>	1,721.84	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,367.52	
08 91	19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	5,111.67	263.00
			<i>For Flange Frame, Add</i>	458.57	
			<i>For Clear Lacquer Finish, Add</i>	917.14	
			<i>For Baked Enamel Standard Colors, Add</i>	1,375.71	
			<i>For Anodized Finish, Add</i>	1,834.28	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,522.13	
08 91	19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	5,435.50	270.30
			<i>For Flange Frame, Add</i>	489.49	
			<i>For Clear Lacquer Finish, Add</i>	978.98	
			<i>For Baked Enamel Standard Colors, Add</i>	1,468.47	
			<i>For Anodized Finish, Add</i>	1,957.96	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,692.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0195 EA 84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,727.55	277.61
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	517.24	
<i>For Clear Lacquer Finish, Add</i>	1,034.47	
<i>For Baked Enamel Standard Colors, Add</i>	1,551.71	
<i>For Anodized Finish, Add</i>	2,068.94	
<i>For Kynar® Standard Colors Finish, Add</i>	2,844.79	
08 91 19 00-0196 EA 84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	6,161.37	284.90
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	559.16	
<i>For Clear Lacquer Finish, Add</i>	1,118.31	
<i>For Baked Enamel Standard Colors, Add</i>	1,677.47	
<i>For Anodized Finish, Add</i>	2,236.62	
<i>For Kynar® Standard Colors Finish, Add</i>	3,075.36	
08 91 19 00-0197 EA 90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,587.83	135.15
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	131.75	
<i>For Clear Lacquer Finish, Add</i>	263.51	
<i>For Baked Enamel Standard Colors, Add</i>	395.26	
<i>For Anodized Finish, Add</i>	527.01	
<i>For Kynar® Standard Colors Finish, Add</i>	724.64	
08 91 19 00-0198 EA 90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,929.87	157.06
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	161.58	
<i>For Clear Lacquer Finish, Add</i>	323.15	
<i>For Baked Enamel Standard Colors, Add</i>	484.73	
<i>For Anodized Finish, Add</i>	646.30	
<i>For Kynar® Standard Colors Finish, Add</i>	888.66	
08 91 19 00-0199 EA 90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,251.15	178.98
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	189.32	
<i>For Clear Lacquer Finish, Add</i>	378.64	
<i>For Baked Enamel Standard Colors, Add</i>	567.96	
<i>For Anodized Finish, Add</i>	757.28	
<i>For Kynar® Standard Colors Finish, Add</i>	1,041.25	
08 91 19 00-0200 EA 90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,582.28	189.94
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	220.24	
<i>For Clear Lacquer Finish, Add</i>	440.48	
<i>For Baked Enamel Standard Colors, Add</i>	660.72	
<i>For Anodized Finish, Add</i>	880.96	
<i>For Kynar® Standard Colors Finish, Add</i>	1,211.32	
08 91 19 00-0201 EA 90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	3,041.78	197.24
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	264.73	
<i>For Clear Lacquer Finish, Add</i>	529.46	
<i>For Baked Enamel Standard Colors, Add</i>	794.19	
<i>For Anodized Finish, Add</i>	1,058.92	
<i>For Kynar® Standard Colors Finish, Add</i>	1,456.01	
08 91 19 00-0202 EA 90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,341.16	204.55
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	293.21	
<i>For Clear Lacquer Finish, Add</i>	586.41	
<i>For Baked Enamel Standard Colors, Add</i>	879.62	
<i>For Anodized Finish, Add</i>	1,172.82	
<i>For Kynar® Standard Colors Finish, Add</i>	1,612.63	
08 91 19 00-0203 EA 90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,627.10	211.86
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	320.34	
<i>For Clear Lacquer Finish, Add</i>	640.68	
<i>For Baked Enamel Standard Colors, Add</i>	961.02	
<i>For Anodized Finish, Add</i>	1,281.36	
<i>For Kynar® Standard Colors Finish, Add</i>	1,761.86	
08 91 19 00-0204 EA 90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,977.81	219.16
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	353.95	
<i>For Clear Lacquer Finish, Add</i>	707.90	
<i>For Baked Enamel Standard Colors, Add</i>	1,061.85	
<i>For Anodized Finish, Add</i>	1,415.80	
<i>For Kynar® Standard Colors Finish, Add</i>	1,946.72	
08 91 19 00-0205 EA 90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,274.73	230.12
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	381.45	
<i>For Clear Lacquer Finish, Add</i>	762.90	
<i>For Baked Enamel Standard Colors, Add</i>	1,144.35	
<i>For Anodized Finish, Add</i>	1,525.80	
<i>For Kynar® Standard Colors Finish, Add</i>	2,097.97	
08 91 19 00-0206 EA 90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,753.68	248.38
Note: Includes bird screen.		
<i>For Flange Frame, Add</i>	425.69	
<i>For Clear Lacquer Finish, Add</i>	851.38	
<i>For Baked Enamel Standard Colors, Add</i>	1,277.08	
<i>For Anodized Finish, Add</i>	1,702.77	
<i>For Kynar® Standard Colors Finish, Add</i>	2,341.31	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,042.03 452.34 904.67 1,357.01 1,809.34 2,487.85	259.34
08 91	19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,371.95 483.14 966.27 1,449.41 1,932.54 2,657.25	270.30
08 91	19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,715.33 516.01 1,032.03 1,548.04 2,064.05 2,838.07	277.61
08 91	19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	6,007.35 543.02 1,086.05 1,629.07 2,172.09 2,986.63	288.56
08 91	19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	6,466.85 587.51 1,175.02 1,762.54 2,350.05 3,231.32	295.86
08 91	19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,667.19 137.50 275.00 412.49 549.99 756.24	146.10
08 91	19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,021.45 168.54 337.08 505.62 674.16 926.98	168.02
08 91	19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,358.62 197.87 395.75 593.62 791.50 1,088.31	189.94
08 91	19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,708.08 230.63 461.26 691.89 922.52 1,268.46	200.90
08 91	19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,182.24 276.58 553.17 829.75 1,106.34 1,521.21	208.20
08 91	19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,531.74 310.07 620.14 930.22 1,240.29 1,705.40	215.51
08 91	19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,836.01 339.04 678.08 1,017.11 1,356.15 1,864.71	222.81



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 91	19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,169.62 370.94 741.88 1,112.81 1,483.75 2,040.16	230.12
	08 91	19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,478.77 400.39 800.79 1,201.18 1,601.57 2,202.16	237.43
	08 91	19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,993.18 448.18 896.36 1,344.54 1,792.72 2,465.00	255.69
	08 91	19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,976.23 344.29 688.59 1,032.88 1,377.18 1,893.62	266.65
	08 91	19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,628.55 507.34 1,014.67 1,522.01 2,029.34 2,790.34	277.61
	08 91	19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,984.16 541.44 1,082.87 1,624.31 2,165.74 2,977.89	284.90
	08 91	19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	6,290.85 569.91 1,139.82 1,709.74 2,279.65 3,134.52	295.86
	08 91	19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	6,785.76 617.21 1,234.42 1,851.63 2,468.84 3,394.66	306.82
	08 91	19 00-0227		Gable Louver Vents <small>(08 91 19)</small> Note: 1" deep, residential/light commercial grade louvers.		
	08 91	19 00-0228		Aluminum Gable Louver Vents <small>(08 91 19 00-0227)</small> Note: Includes screen.		
	08 91	19 00-0229		Rectangular Aluminum Gable Louver Vents <small>(08 91 19 00-0228)</small> Note: Includes screen.		
	08 91	19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent	262.61	11.53
	08 91	19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent	287.26	13.24
	08 91	19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent	331.42	14.94
	08 91	19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent	363.51	15.88
	08 91	19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent	415.10	16.82
	08 91	19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent	464.24	20.18
	08 91	19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent	537.94	25.22
	08 91	19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent	599.37	29.43
	08 91	19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent	685.35	35.32
	08 91	19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent	857.31	47.08
	08 91	19 00-0240		Square Aluminum Gable Louver Vents <small>(08 91 19 00-0228)</small> Note: Includes screen.		
	08 91	19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent	240.36	10.61
	08 91	19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent	297.64	13.45
	08 91	19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent	373.26	15.87
	08 91	19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent	476.52	21.02
	08 91	19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent	611.64	30.27
	08 91	19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent	771.24	41.18



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0247	EA		48" x 48" Square Fixed Aluminum Gable Louver Vent.....	955.58	53.81
08 91 19 00-0248			Round Aluminum Gable Louver Vents (08 91 19 00-0228)		
			Note: Includes screen.		
08 91 19 00-0249	EA		12" Diameter Round Fixed Aluminum Gable Louver Vent.....	240.36	10.61
08 91 19 00-0250	EA		18" Diameter Round Fixed Aluminum Gable Louver Vent.....	297.64	13.45
08 91 19 00-0251	EA		24" Diameter Round Fixed Aluminum Gable Louver Vent.....	373.26	15.87
08 91 19 00-0252	EA		30" Diameter Round Fixed Aluminum Gable Louver Vent.....	476.52	21.02
08 91 19 00-0253	EA		36" Diameter Round Fixed Aluminum Gable Louver Vent.....	611.64	30.27
08 91 19 00-0254	EA		42" Diameter Round Fixed Aluminum Gable Louver Vent.....	771.33	41.20
08 91 19 00-0255			Octagonal Aluminum Gable Louver Vents (08 91 19 00-0228)		
			Note: Includes screen.		
08 91 19 00-0256	EA		12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	240.36	10.61
08 91 19 00-0257	EA		12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	262.61	11.53
08 91 19 00-0258	EA		12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	287.26	13.24
08 91 19 00-0259	EA		18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	297.64	13.45
08 91 19 00-0260	EA		18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	331.42	14.94
08 91 19 00-0261	EA		18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	363.51	15.88
08 91 19 00-0262	EA		24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	373.26	15.87
08 91 19 00-0263	EA		24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	415.10	16.82
08 91 19 00-0264	EA		24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	464.24	20.18
08 91 19 00-0265	EA		30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	476.52	21.02
08 91 19 00-0266	EA		30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	537.94	25.22
08 91 19 00-0267	EA		30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	599.37	29.43
08 91 19 00-0268	EA		36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	611.64	30.27
08 91 19 00-0269	EA		36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	685.35	35.32
08 91 19 00-0270	EA		36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	759.05	40.36
08 91 19 00-0271	EA		42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	771.33	41.20
08 91 19 00-0272	EA		42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	857.31	47.08
08 91 19 00-0273	EA		48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	955.58	53.81
08 91 19 00-0274			Round Top Aluminum Gable Louver Vents (08 91 19 00-0228)		
			Note: Includes screen.		
08 91 19 00-0275	EA		12" x 12" Round Top Fixed Aluminum Gable Louver Vent.....	240.36	10.61
08 91 19 00-0276	EA		12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	262.61	11.53
08 91 19 00-0277	EA		12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	287.26	13.24
08 91 19 00-0278	EA		18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	297.64	13.45
08 91 19 00-0279	EA		18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	331.42	14.94
08 91 19 00-0280	EA		18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	363.51	15.88
08 91 19 00-0281	EA		24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	373.26	15.87
08 91 19 00-0282	EA		24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	415.10	16.82
08 91 19 00-0283	EA		24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	464.24	20.18
08 91 19 00-0284	EA		30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	476.52	21.02
08 91 19 00-0285	EA		30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	537.94	25.22
08 91 19 00-0286	EA		30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	599.37	29.43
08 91 19 00-0287	EA		36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	611.64	30.27
08 91 19 00-0288	EA		36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	685.35	35.32
08 91 19 00-0289	EA		36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	759.05	40.36
08 91 19 00-0290	EA		42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	771.33	41.20
08 91 19 00-0291	EA		42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	857.31	47.08
08 91 19 00-0292	EA		48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	955.58	53.81
08 91 19 00-0293			Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)		
			Note: Includes screen.		
08 91 19 00-0294	EA		36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	501.95	13.24
08 91 19 00-0295	EA		36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	568.43	15.87
08 91 19 00-0296	EA		48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	610.28	16.82
08 91 19 00-0297	EA		48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	698.45	20.18
08 91 19 00-0298	EA		48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	779.04	21.02
08 91 19 00-0299	EA		60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	635.53	25.22
08 91 19 00-0300	EA		60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	745.75	29.43
08 91 19 00-0301	EA		60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	845.86	30.27
08 91 19 00-0302	EA		60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	958.60	35.32
08 91 19 00-0303	EA		72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	759.05	40.36
08 91 19 00-0304	EA		72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	878.68	41.20
08 91 19 00-0305	EA		72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	1,013.45	47.08
08 91 19 00-0306	EA		72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	1,150.76	53.81
08 91 19 00-0307	EA		72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	1,291.96	61.84
08 91 19 00-0308			Vinyl Gable Louver Vents (08 91 19 00-0227)		
			Note: Includes screen.		
08 91 19 00-0309	EA		12" x 12" Square Fixed Vinyl Gable Louver Vent.....	76.94	10.61
08 91 19 00-0310	EA		12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	93.23	11.53
08 91 19 00-0311	EA		18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	127.34	14.94
08 91 19 00-0312	EA		24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	175.11	16.82



Openings	08	08
Louvers and Vents	08 90	
Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent.....	123.48	13.45
08 91	19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent.....	142.64	15.87
08 91	19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent.....	201.37	21.02
08 91	19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent.....	294.39	30.27
08 91	19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	123.48	13.45
08 91	19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	139.84	14.94
08 91	19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	180.87	16.82
08 91	19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	256.61	25.22
08 91	19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	613.48	40.36
08 91	19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	121.02	13.24
08 91	19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	168.94	16.82
08 91	19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	174.54	20.18
08 91	19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	404.41	25.22
08 91	19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	404.41	25.22
08 91	19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	404.41	25.22
08 91	19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	404.41	25.22
08 91	19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	404.41	25.22
08 91	19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	449.86	40.36
08 91	19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	449.86	40.36
08 91	19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	449.86	40.36
08 91	19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	449.86	40.36

08 95 Vents (08 90)

08 95 13 Soffit Vents (08 95)

08 95 13 00-0001 Aluminum Soffit Vents (08 95 13)

08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent.....	9.16	3.36
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent.....	16.57	6.58
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish.....	26.75	8.77
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish.....	27.67	8.77

08 95 13 00-0006 Vinyl Soffit Vents (08 95 13)

08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White.....	6.78	2.83
		<i>For Colors, Add</i>	<i>0.11</i>	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White.....	6.67	2.83
		<i>For Colors, Add</i>	<i>0.10</i>	

08 95 16 Wall Vents (08 95)

08 95 16 00-0001 Foundation Vents (08 95 16)

08 95 16 00-0002	SI	Galvanized Steel Foundation Vent.....	0.53	0.21
08 95 16 00-0003	SI	Aluminum Foundation Vent.....	0.98	0.21
08 95 16 00-0004	SI	Stainless Steel Foundation Vent.....	0.91	0.21
08 95 16 00-0005	SI	Plastic Foundation Vent.....	0.60	0.21

END OF SECTION 08

08	08	Openings
	08 90	Louvers and Vents
	08 95	Vents



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

THIS PAGE INTENTIONALLY LEFT BLANK



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

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

09 Finishes

09 50 Ceilings⁽⁰⁹⁾

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings^(09 50)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings^(09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels^(09 51 13)

09 51 13 00-0002 Fiberglass Acoustical Panels^(09 51 13 00-0001)

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0003	SF 2' x 2' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	7.14	0.48
	For Up To 50, Add	1.70	
	For >50 To 200, Add	1.03	
	For >200 To 500, Add	0.44	
	For >2,500 To 4,000, Deduct	-0.18	
	For >4,000 To 5,000, Deduct	-0.36	
	For >5,000, Deduct	-0.58	
	For Individual Room Quantities <495, Add	1.03	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0004	SF 2' x 4' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	7.10	0.48
	For Up To 50, Add	1.70	
	For >50 To 200, Add	1.03	
	For >200 To 500, Add	0.43	
	For >2,500 To 4,000, Deduct	-0.18	
	For >4,000 To 5,000, Deduct	-0.36	
	For >5,000, Deduct	-0.57	
	For Individual Room Quantities <495, Add	1.03	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0005	SF 2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	7.56	0.60
	For Up To 50, Add	1.81	
	For >50 To 200, Add	1.10	
	For >200 To 500, Add	0.46	
	For >2,500 To 4,000, Deduct	-0.19	
	For >4,000 To 5,000, Deduct	-0.38	
	For >5,000, Deduct	-0.61	
	For Individual Room Quantities <495, Add	1.10	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0006	SF 2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	7.63	0.60
	For Up To 50, Add	1.82	
	For >50 To 200, Add	1.10	
	For >200 To 500, Add	0.47	
	For >2,500 To 4,000, Deduct	-0.19	
	For >4,000 To 5,000, Deduct	-0.38	
	For >5,000, Deduct	-0.61	
	For Individual Room Quantities <495, Add	1.10	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0007	SF 2' x 2' x 1" Thick, Square or Beveled Tegular Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3352, 3354, and 3355).....	7.83	0.60
	For Up To 50, Add	1.85	
	For >50 To 200, Add	1.12	
	For >200 To 500, Add	0.48	
	For >2,500 To 4,000, Deduct	-0.20	
	For >4,000 To 5,000, Deduct	-0.39	
	For >5,000, Deduct	-0.63	
	For Individual Room Quantities <495, Add	1.12	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0008	SF 2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3353)	7.82	0.60
	For Up To 50, Add	1.85	
	For >50 To 200, Add	1.12	
	For >200 To 500, Add	0.48	
	For >2,500 To 4,000, Deduct	-0.20	
	For >4,000 To 5,000, Deduct	-0.39	
	For >5,000, Deduct	-0.63	
	For Individual Room Quantities <495, Add	1.12	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.13	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0009	SF		2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	8.14	0.60
			For Up To 50, Add	1.90	
			For >50 To 200, Add	1.15	
			For >200 To 500, Add	0.49	
			For >2,500 To 4,000, Deduct	-0.20	
			For >4,000 To 5,000, Deduct	-0.41	
			For >5,000, Deduct	-0.65	
			For Individual Room Quantities <495, Add	1.15	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0010	SF		2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	8.13	0.60
			For Up To 50, Add	1.90	
			For >50 To 200, Add	1.15	
			For >200 To 500, Add	0.49	
			For >2,500 To 4,000, Deduct	-0.20	
			For >4,000 To 5,000, Deduct	-0.41	
			For >5,000, Deduct	-0.65	
			For Individual Room Quantities <495, Add	1.15	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0011			Mineral Fiber Panels <small>(09 51 13)</small>		
09 51 13 00-0012			Mineral Fiber Acoustical Ceiling Panels <small>(09 51 13 00-0011)</small>		
			Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0013	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega).....	2.70	0.48
			For Up To 50, Add	1.04	
			For >50 To 200, Add	0.59	
			For >200 To 500, Add	0.21	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.24	
			For Individual Room Quantities <495, Add	0.59	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0014	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega).....	2.69	0.72
			For Up To 50, Add	1.04	
			For >50 To 200, Add	0.59	
			For >200 To 500, Add	0.21	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.24	
			For Individual Room Quantities <495, Add	0.59	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0015	SF		2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.96	0.48
			For Up To 50, Add	1.08	
			For >50 To 200, Add	0.61	
			For >200 To 500, Add	0.23	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.26	
			For Individual Room Quantities <495, Add	0.61	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0016	SF		2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.96	0.48
			For Up To 50, Add	1.08	
			For >50 To 200, Add	0.61	
			For >200 To 500, Add	0.23	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.26	
			For Individual Room Quantities <495, Add	0.61	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0017	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard).....	3.17	0.72
			For Up To 50, Add	1.11	
			For >50 To 200, Add	0.63	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.16	
			For >5,000, Deduct	-0.28	
			For Individual Room Quantities <495, Add	0.63	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	



		Finishes	09
		Ceilings	09 50
		Acoustical Ceilings	09 51

09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51	13 00-0018	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard).....	3.17	0.72
			<i>For Up To 50, Add</i>	1.11	
			<i>For >50 To 200, Add</i>	0.63	
			<i>For >200 To 500, Add</i>	0.24	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.16	
			<i>For >5,000, Deduct</i>	-0.28	
			<i>For Individual Room Quantities <495, Add</i>	0.63	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51	13 00-0019	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard).....	3.44	0.72
			<i>For Up To 50, Add</i>	1.15	
			<i>For >50 To 200, Add</i>	0.66	
			<i>For >200 To 500, Add</i>	0.25	
			<i>For >2,500 To 4,000, Deduct</i>	-0.09	
			<i>For >4,000 To 5,000, Deduct</i>	-0.17	
			<i>For >5,000, Deduct</i>	-0.30	
			<i>For Individual Room Quantities <495, Add</i>	0.66	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51	13 00-0020	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer).....	2.94	0.48
			<i>For Up To 50, Add</i>	1.07	
			<i>For >50 To 200, Add</i>	0.61	
			<i>For >200 To 500, Add</i>	0.23	
			<i>For >2,500 To 4,000, Deduct</i>	-0.07	
			<i>For >4,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.26	
			<i>For Individual Room Quantities <495, Add</i>	0.61	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51	13 00-0021	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer).....	2.93	0.72
			<i>For Up To 50, Add</i>	1.07	
			<i>For >50 To 200, Add</i>	0.61	
			<i>For >200 To 500, Add</i>	0.23	
			<i>For >2,500 To 4,000, Deduct</i>	-0.07	
			<i>For >4,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.26	
			<i>For Individual Room Quantities <495, Add</i>	0.61	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51	13 00-0022	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer).....	3.34	0.48
			<i>For Up To 50, Add</i>	1.13	
			<i>For >50 To 200, Add</i>	0.65	
			<i>For >200 To 500, Add</i>	0.25	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.17	
			<i>For >5,000, Deduct</i>	-0.29	
			<i>For Individual Room Quantities <495, Add</i>	0.65	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51	13 00-0023	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	2.70	0.48
			<i>For Up To 50, Add</i>	1.04	
			<i>For >50 To 200, Add</i>	0.59	
			<i>For >200 To 500, Add</i>	0.21	
			<i>For >2,500 To 4,000, Deduct</i>	-0.07	
			<i>For >4,000 To 5,000, Deduct</i>	-0.14	
			<i>For >5,000, Deduct</i>	-0.24	
			<i>For Individual Room Quantities <495, Add</i>	0.59	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51	13 00-0024	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	2.69	0.48
			<i>For Up To 50, Add</i>	1.04	
			<i>For >50 To 200, Add</i>	0.59	
			<i>For >200 To 500, Add</i>	0.21	
			<i>For >2,500 To 4,000, Deduct</i>	-0.07	
			<i>For >4,000 To 5,000, Deduct</i>	-0.13	
			<i>For >5,000, Deduct</i>	-0.24	
			<i>For Individual Room Quantities <495, Add</i>	0.59	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0025	SF		2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	2.96	0.48
			For Up To 50, Add	1.08	
			For >50 To 200, Add	0.61	
			For >200 To 500, Add	0.23	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.26	
			For Individual Room Quantities <495, Add	0.61	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0026	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	2.72	0.48
			For Up To 50, Add	1.04	
			For >50 To 200, Add	0.59	
			For >200 To 500, Add	0.22	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.24	
			For Individual Room Quantities <495, Add	0.59	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0027	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	2.72	0.48
			For Up To 50, Add	1.04	
			For >50 To 200, Add	0.59	
			For >200 To 500, Add	0.22	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.24	
			For Individual Room Quantities <495, Add	0.59	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0028	SF		2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.09	0.48
			For Up To 50, Add	1.10	
			For >50 To 200, Add	0.63	
			For >200 To 500, Add	0.23	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.27	
			For Individual Room Quantities <495, Add	0.63	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0029	SF		2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.09	0.48
			For Up To 50, Add	1.10	
			For >50 To 200, Add	0.63	
			For >200 To 500, Add	0.23	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.27	
			For Individual Room Quantities <495, Add	0.63	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0030	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.24	0.48
			For Up To 50, Add	1.12	
			For >50 To 200, Add	0.64	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.16	
			For >5,000, Deduct	-0.28	
			For Individual Room Quantities <495, Add	0.64	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0031	SF		2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.78	0.48
			For Up To 50, Add	1.20	
			For >50 To 200, Add	0.69	
			For >200 To 500, Add	0.27	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.19	
			For >5,000, Deduct	-0.32	
			For Individual Room Quantities <495, Add	0.69	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0032 SF 2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.16	0.48
For Up To 50, Add	1.11	
For >50 To 200, Add	0.63	
For >200 To 500, Add	0.24	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.16	
For >5,000, Deduct	-0.28	
For Individual Room Quantities <495, Add	0.63	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.71	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0033 SF 2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.80	0.48
For Up To 50, Add	1.20	
For >50 To 200, Add	0.70	
For >200 To 500, Add	0.27	
For >2,500 To 4,000, Deduct	-0.10	
For >4,000 To 5,000, Deduct	-0.19	
For >5,000, Deduct	-0.32	
For Individual Room Quantities <495, Add	0.70	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.71	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0034 SF 30" x 60" x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	2.98	0.48
For Up To 50, Add	1.08	
For >50 To 200, Add	0.61	
For >200 To 500, Add	0.23	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.15	
For >5,000, Deduct	-0.26	
For Individual Room Quantities <495, Add	0.61	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.71	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0035 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard).....	3.24	0.72
For Up To 50, Add	1.12	
For >50 To 200, Add	0.64	
For >200 To 500, Add	0.24	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.16	
For >5,000, Deduct	-0.28	
For Individual Room Quantities <495, Add	0.64	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.71	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0036 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard).....	3.19	0.72
For Up To 50, Add	1.11	
For >50 To 200, Add	0.64	
For >200 To 500, Add	0.24	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.16	
For >5,000, Deduct	-0.28	
For Individual Room Quantities <495, Add	0.64	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.71	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0037 SF 2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard).....	3.56	0.72
For Up To 50, Add	1.17	
For >50 To 200, Add	0.67	
For >200 To 500, Add	0.26	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.31	
For Individual Room Quantities <495, Add	0.67	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.71	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0038 SF 2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard).....	3.56	0.72
For Up To 50, Add	1.17	
For >50 To 200, Add	0.67	
For >200 To 500, Add	0.26	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.31	
For Individual Room Quantities <495, Add	0.67	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.71	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0039 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard Fine Fissured).....	8.25	0.85
For Vertical Application, Add	0.71	
For Ceilings >10' High, Add	0.12	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0040	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.41	0.48
			<i>For Up To 50, Add</i>	1.14	
			<i>For >50 To 200, Add</i>	0.66	
			<i>For >200 To 500, Add</i>	0.25	
			<i>For >2,500 To 4,000, Deduct</i>	-0.09	
			<i>For >4,000 To 5,000, Deduct</i>	-0.17	
			<i>For >5,000, Deduct</i>	-0.30	
			<i>For Individual Room Quantities <495, Add</i>	0.66	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0041	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.40	0.48
			<i>For Up To 50, Add</i>	1.14	
			<i>For >50 To 200, Add</i>	0.66	
			<i>For >200 To 500, Add</i>	0.25	
			<i>For >2,500 To 4,000, Deduct</i>	-0.09	
			<i>For >4,000 To 5,000, Deduct</i>	-0.17	
			<i>For >5,000, Deduct</i>	-0.29	
			<i>For Individual Room Quantities <495, Add</i>	0.66	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0042	SF		2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.96	0.48
			<i>For Up To 50, Add</i>	1.23	
			<i>For >50 To 200, Add</i>	0.71	
			<i>For >200 To 500, Add</i>	0.28	
			<i>For >2,500 To 4,000, Deduct</i>	-0.10	
			<i>For >4,000 To 5,000, Deduct</i>	-0.20	
			<i>For >5,000, Deduct</i>	-0.34	
			<i>For Individual Room Quantities <495, Add</i>	0.71	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0043	SF		2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	3.63	0.48
			<i>For Up To 50, Add</i>	1.18	
			<i>For >50 To 200, Add</i>	0.68	
			<i>For >200 To 500, Add</i>	0.26	
			<i>For >2,500 To 4,000, Deduct</i>	-0.09	
			<i>For >4,000 To 5,000, Deduct</i>	-0.18	
			<i>For >5,000, Deduct</i>	-0.31	
			<i>For Individual Room Quantities <495, Add</i>	0.68	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0044	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	3.58	0.48
			<i>For Up To 50, Add</i>	1.17	
			<i>For >50 To 200, Add</i>	0.67	
			<i>For >200 To 500, Add</i>	0.26	
			<i>For >2,500 To 4,000, Deduct</i>	-0.09	
			<i>For >4,000 To 5,000, Deduct</i>	-0.18	
			<i>For >5,000, Deduct</i>	-0.31	
			<i>For Individual Room Quantities <495, Add</i>	0.67	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0045	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	3.59	0.48
			<i>For Up To 50, Add</i>	1.17	
			<i>For >50 To 200, Add</i>	0.68	
			<i>For >200 To 500, Add</i>	0.26	
			<i>For >2,500 To 4,000, Deduct</i>	-0.09	
			<i>For >4,000 To 5,000, Deduct</i>	-0.18	
			<i>For >5,000, Deduct</i>	-0.31	
			<i>For Individual Room Quantities <495, Add</i>	0.68	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0046	SF		2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	3.76	0.48
			<i>For Up To 50, Add</i>	1.20	
			<i>For >50 To 200, Add</i>	0.69	
			<i>For >200 To 500, Add</i>	0.27	
			<i>For >2,500 To 4,000, Deduct</i>	-0.09	
			<i>For >4,000 To 5,000, Deduct</i>	-0.19	
			<i>For >5,000, Deduct</i>	-0.32	
			<i>For Individual Room Quantities <495, Add</i>	0.69	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	



		Finishes	09
		Ceilings	09 50
		Acoustical Ceilings	09 51

09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51	13 00-0047	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.90	0.48
			For Up To 50, Add	1.22	
			For >50 To 200, Add	0.71	
			For >200 To 500, Add	0.27	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.20	
			For >5,000, Deduct	-0.33	
			For Individual Room Quantities <495, Add	0.71	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0048	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard).....	4.10	0.48
			For Up To 50, Add	1.25	
			For >50 To 200, Add	0.73	
			For >200 To 500, Add	0.28	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.21	
			For >5,000, Deduct	-0.35	
			For Individual Room Quantities <495, Add	0.73	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0049	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard).....	4.07	0.48
			For Up To 50, Add	1.24	
			For >50 To 200, Add	0.72	
			For >200 To 500, Add	0.28	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.20	
			For >5,000, Deduct	-0.34	
			For Individual Room Quantities <495, Add	0.72	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0050	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa).....	3.96	0.72
			For Up To 50, Add	1.23	
			For >50 To 200, Add	0.71	
			For >200 To 500, Add	0.28	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.20	
			For >5,000, Deduct	-0.34	
			For Individual Room Quantities <495, Add	0.71	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0051	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa).....	3.96	0.72
			For Up To 50, Add	1.23	
			For >50 To 200, Add	0.71	
			For >200 To 500, Add	0.28	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.20	
			For >5,000, Deduct	-0.34	
			For Individual Room Quantities <495, Add	0.71	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0052	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa).....	4.27	0.48
			For Up To 50, Add	1.27	
			For >50 To 200, Add	0.74	
			For >200 To 500, Add	0.29	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.21	
			For >5,000, Deduct	-0.36	
			For Individual Room Quantities <495, Add	0.74	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0053	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa).....	4.18	0.48
			For Up To 50, Add	1.26	
			For >50 To 200, Add	0.73	
			For >200 To 500, Add	0.29	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.21	
			For >5,000, Deduct	-0.35	
			For Individual Room Quantities <495, Add	0.73	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0054	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus).....	5.08	0.72
			<i>For Up To 50, Add</i>	1.39	
			<i>For >50 To 200, Add</i>	0.82	
			<i>For >200 To 500, Add</i>	0.33	
			<i>For >2,500 To 4,000, Deduct</i>	-0.13	
			<i>For >4,000 To 5,000, Deduct</i>	-0.25	
			<i>For >5,000, Deduct</i>	-0.42	
			<i>For Individual Room Quantities <495, Add</i>	0.82	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0055	SF		2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus).....	5.04	0.72
			<i>For Up To 50, Add</i>	1.39	
			<i>For >50 To 200, Add</i>	0.82	
			<i>For >200 To 500, Add</i>	0.33	
			<i>For >2,500 To 4,000, Deduct</i>	-0.13	
			<i>For >4,000 To 5,000, Deduct</i>	-0.25	
			<i>For >5,000, Deduct</i>	-0.42	
			<i>For Individual Room Quantities <495, Add</i>	0.82	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0056	SF		2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.08	0.72
			<i>For Up To 50, Add</i>	1.39	
			<i>For >50 To 200, Add</i>	0.82	
			<i>For >200 To 500, Add</i>	0.33	
			<i>For >2,500 To 4,000, Deduct</i>	-0.13	
			<i>For >4,000 To 5,000, Deduct</i>	-0.25	
			<i>For >5,000, Deduct</i>	-0.42	
			<i>For Individual Room Quantities <495, Add</i>	0.82	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0057	SF		2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.04	0.72
			<i>For Up To 50, Add</i>	1.39	
			<i>For >50 To 200, Add</i>	0.82	
			<i>For >200 To 500, Add</i>	0.33	
			<i>For >2,500 To 4,000, Deduct</i>	-0.13	
			<i>For >4,000 To 5,000, Deduct</i>	-0.25	
			<i>For >5,000, Deduct</i>	-0.42	
			<i>For Individual Room Quantities <495, Add</i>	0.82	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0058	SF		2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus Second Look).....	5.56	0.48
			<i>For Up To 50, Add</i>	1.47	
			<i>For >50 To 200, Add</i>	0.87	
			<i>For >200 To 500, Add</i>	0.36	
			<i>For >2,500 To 4,000, Deduct</i>	-0.14	
			<i>For >4,000 To 5,000, Deduct</i>	-0.28	
			<i>For >5,000, Deduct</i>	-0.46	
			<i>For Individual Room Quantities <495, Add</i>	0.87	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0059	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra).....	5.52	0.72
			<i>For Up To 50, Add</i>	1.46	
			<i>For >50 To 200, Add</i>	0.87	
			<i>For >200 To 500, Add</i>	0.36	
			<i>For >2,500 To 4,000, Deduct</i>	-0.14	
			<i>For >4,000 To 5,000, Deduct</i>	-0.28	
			<i>For >5,000, Deduct</i>	-0.45	
			<i>For Individual Room Quantities <495, Add</i>	0.87	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0060	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra).....	5.50	0.72
			<i>For Up To 50, Add</i>	1.46	
			<i>For >50 To 200, Add</i>	0.87	
			<i>For >200 To 500, Add</i>	0.35	
			<i>For >2,500 To 4,000, Deduct</i>	-0.14	
			<i>For >4,000 To 5,000, Deduct</i>	-0.28	
			<i>For >5,000, Deduct</i>	-0.45	
			<i>For Individual Room Quantities <495, Add</i>	0.87	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	



		Finishes	09
		Ceilings	09 50
		Acoustical Ceilings	09 51

09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51	13 00-0061	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	5.93	0.48
			For Up To 50, Add	1.52	
			For >50 To 200, Add	0.91	
			For >200 To 500, Add	0.38	
			For >2,500 To 4,000, Deduct	-0.15	
			For >4,000 To 5,000, Deduct	-0.30	
			For >5,000, Deduct	-0.48	
			For Individual Room Quantities <495, Add	0.91	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0062	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	5.93	0.48
			For Up To 50, Add	1.52	
			For >50 To 200, Add	0.91	
			For >200 To 500, Add	0.38	
			For >2,500 To 4,000, Deduct	-0.15	
			For >4,000 To 5,000, Deduct	-0.30	
			For >5,000, Deduct	-0.48	
			For Individual Room Quantities <495, Add	0.91	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0063	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	5.54	0.48
			For Up To 50, Add	1.46	
			For >50 To 200, Add	0.87	
			For >200 To 500, Add	0.36	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.28	
			For >5,000, Deduct	-0.46	
			For Individual Room Quantities <495, Add	0.87	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0064	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	5.54	0.48
			For Up To 50, Add	1.46	
			For >50 To 200, Add	0.87	
			For >200 To 500, Add	0.36	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.28	
			For >5,000, Deduct	-0.46	
			For Individual Room Quantities <495, Add	0.87	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0065	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	5.54	0.48
			For Up To 50, Add	1.46	
			For >50 To 200, Add	0.87	
			For >200 To 500, Add	0.36	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.28	
			For >5,000, Deduct	-0.46	
			For Individual Room Quantities <495, Add	0.87	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0066	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	5.54	0.48
			For Up To 50, Add	1.46	
			For >50 To 200, Add	0.87	
			For >200 To 500, Add	0.36	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.28	
			For >5,000, Deduct	-0.46	
			For Individual Room Quantities <495, Add	0.87	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.71	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0067	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	5.95	0.60
			For Up To 50, Add	1.57	
			For >50 To 200, Add	0.94	
			For >200 To 500, Add	0.38	
			For >2,500 To 4,000, Deduct	-0.15	
			For >4,000 To 5,000, Deduct	-0.30	
			For >5,000, Deduct	-0.49	
			For Individual Room Quantities <495, Add	0.94	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.77	
			For Ceilings >10' High, Add	0.13	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0068	SF		2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC).....	5.95	0.60
			<i>For Up To 50, Add</i>	1.57	
			<i>For >50 To 200, Add</i>	0.94	
			<i>For >200 To 500, Add</i>	0.38	
			<i>For >2,500 To 4,000, Deduct</i>	-0.15	
			<i>For >4,000 To 5,000, Deduct</i>	-0.30	
			<i>For >5,000, Deduct</i>	-0.49	
			<i>For Individual Room Quantities <495, Add</i>	0.94	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.77	
			<i>For Ceilings >10' High, Add</i>	0.13	
09 51 13 00-0069	SF		2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	5.95	0.60
			<i>For Up To 50, Add</i>	1.57	
			<i>For >50 To 200, Add</i>	0.94	
			<i>For >200 To 500, Add</i>	0.38	
			<i>For >2,500 To 4,000, Deduct</i>	-0.15	
			<i>For >4,000 To 5,000, Deduct</i>	-0.30	
			<i>For >5,000, Deduct</i>	-0.49	
			<i>For Individual Room Quantities <495, Add</i>	0.94	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.77	
			<i>For Ceilings >10' High, Add</i>	0.13	
09 51 13 00-0070	SF		2' x 4' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	5.95	0.60
			<i>For Up To 50, Add</i>	1.57	
			<i>For >50 To 200, Add</i>	0.94	
			<i>For >200 To 500, Add</i>	0.38	
			<i>For >2,500 To 4,000, Deduct</i>	-0.15	
			<i>For >4,000 To 5,000, Deduct</i>	-0.30	
			<i>For >5,000, Deduct</i>	-0.49	
			<i>For Individual Room Quantities <495, Add</i>	0.94	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.77	
			<i>For Ceilings >10' High, Add</i>	0.13	
09 51 13 00-0071	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.21	0.48
			<i>For Up To 50, Add</i>	1.56	
			<i>For >50 To 200, Add</i>	0.94	
			<i>For >200 To 500, Add</i>	0.39	
			<i>For >2,500 To 4,000, Deduct</i>	-0.16	
			<i>For >4,000 To 5,000, Deduct</i>	-0.31	
			<i>For >5,000, Deduct</i>	-0.51	
			<i>For Individual Room Quantities <495, Add</i>	0.94	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0072	SF		2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.22	0.48
			<i>For Up To 50, Add</i>	1.57	
			<i>For >50 To 200, Add</i>	0.94	
			<i>For >200 To 500, Add</i>	0.39	
			<i>For >2,500 To 4,000, Deduct</i>	-0.16	
			<i>For >4,000 To 5,000, Deduct</i>	-0.31	
			<i>For >5,000, Deduct</i>	-0.51	
			<i>For Individual Room Quantities <495, Add</i>	0.94	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0073	SF		2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™).....	6.21	0.48
			<i>For Up To 50, Add</i>	1.56	
			<i>For >50 To 200, Add</i>	0.94	
			<i>For >200 To 500, Add</i>	0.39	
			<i>For >2,500 To 4,000, Deduct</i>	-0.16	
			<i>For >4,000 To 5,000, Deduct</i>	-0.31	
			<i>For >5,000, Deduct</i>	-0.51	
			<i>For Individual Room Quantities <495, Add</i>	0.94	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0074	SF		2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC).....	7.04	0.48
			<i>For Up To 50, Add</i>	1.74	
			<i>For >50 To 200, Add</i>	1.04	
			<i>For >200 To 500, Add</i>	0.44	
			<i>For >2,500 To 4,000, Deduct</i>	-0.18	
			<i>For >4,000 To 5,000, Deduct</i>	-0.35	
			<i>For >5,000, Deduct</i>	-0.57	
			<i>For Individual Room Quantities <495, Add</i>	1.04	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.77	
			<i>For Ceilings >10' High, Add</i>	0.13	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0075 SF 2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC).....	6.95	0.48
For Up To 50, Add	1.72	
For >50 To 200, Add	1.04	
For >200 To 500, Add	0.43	
For >2,500 To 4,000, Deduct	-0.17	
For >4,000 To 5,000, Deduct	-0.35	
For >5,000, Deduct	-0.56	
For Individual Room Quantities <495, Add	1.04	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.77	
For Ceilings >10' High, Add	0.13	
09 51 13 00-0076 SF 2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC).....	7.00	0.48
For Up To 50, Add	1.73	
For >50 To 200, Add	1.04	
For >200 To 500, Add	0.44	
For >2,500 To 4,000, Deduct	-0.18	
For >4,000 To 5,000, Deduct	-0.35	
For >5,000, Deduct	-0.57	
For Individual Room Quantities <495, Add	1.04	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.77	
For Ceilings >10' High, Add	0.13	
09 51 13 00-0077 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL).....	6.55	0.48
For Up To 50, Add	1.61	
For >50 To 200, Add	0.97	
For >200 To 500, Add	0.41	
For >2,500 To 4,000, Deduct	-0.16	
For >4,000 To 5,000, Deduct	-0.33	
For >5,000, Deduct	-0.53	
For Individual Room Quantities <495, Add	0.97	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.71	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0078 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL).....	6.43	0.48
For Up To 50, Add	1.60	
For >50 To 200, Add	0.96	
For >200 To 500, Add	0.40	
For >2,500 To 4,000, Deduct	-0.16	
For >4,000 To 5,000, Deduct	-0.32	
For >5,000, Deduct	-0.52	
For Individual Room Quantities <495, Add	0.96	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.71	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0079 SF 2' x 2' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	7.11	0.60
For Up To 50, Add	1.75	
For >50 To 200, Add	1.05	
For >200 To 500, Add	0.44	
For >2,500 To 4,000, Deduct	-0.18	
For >4,000 To 5,000, Deduct	-0.36	
For >5,000, Deduct	-0.58	
For Individual Room Quantities <495, Add	1.05	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.77	
For Ceilings >10' High, Add	0.13	
09 51 13 00-0080 SF 2' x 4' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	7.11	0.60
For Up To 50, Add	1.75	
For >50 To 200, Add	1.05	
For >200 To 500, Add	0.44	
For >2,500 To 4,000, Deduct	-0.18	
For >4,000 To 5,000, Deduct	-0.36	
For >5,000, Deduct	-0.58	
For Individual Room Quantities <495, Add	1.05	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.77	
For Ceilings >10' High, Add	0.13	
09 51 13 00-0081 SF 2' x 2' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	7.11	0.48
For Up To 50, Add	1.75	
For >50 To 200, Add	1.05	
For >200 To 500, Add	0.44	
For >2,500 To 4,000, Deduct	-0.18	
For >4,000 To 5,000, Deduct	-0.36	
For >5,000, Deduct	-0.58	
For Individual Room Quantities <495, Add	1.05	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.77	
For Ceilings >10' High, Add	0.13	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0082	SF		2' x 4' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	7.11	0.60
			<i>For Up To 50, Add</i>	1.75	
			<i>For >50 To 200, Add</i>	1.05	
			<i>For >200 To 500, Add</i>	0.44	
			<i>For >2,500 To 4,000, Deduct</i>	-0.18	
			<i>For >4,000 To 5,000, Deduct</i>	-0.36	
			<i>For >5,000, Deduct</i>	-0.58	
			<i>For Individual Room Quantities <495, Add</i>	1.05	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.77	
			<i>For Ceilings >10' High, Add</i>	0.13	
09 51 13 00-0083	SF		20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2617).....	2.64	0.48
			<i>For Individual Room Quantities <495, Add</i>	0.58	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0084	SF		20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2627).....	2.71	0.48
			<i>For Individual Room Quantities <495, Add</i>	0.59	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0085	SF		2' x 4' x 3/4" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ Illusion Basic Two 2742).....	3.99	0.48
			<i>For Individual Room Quantities <495, Add</i>	0.72	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.71	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0086			Wood Fiber Panels <small>(09 51 13)</small>		
09 51 13 00-0087	SF		2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	6.09	0.72
			<i>For Up To 50, Add</i>	1.78	
			<i>For >50 To 200, Add</i>	1.04	
			<i>For >200 To 500, Add</i>	0.41	
			<i>For >2,500 To 4,000, Deduct</i>	-0.15	
			<i>For >4,000 To 5,000, Deduct</i>	-0.30	
			<i>For >5,000, Deduct</i>	-0.51	
			<i>For Individual Room Quantities <495, Add</i>	1.04	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Ceilings >10' High, Add</i>	0.16	
09 51 13 00-0088	SF		2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	5.87	0.72
			<i>For Up To 50, Add</i>	1.66	
			<i>For >50 To 200, Add</i>	0.98	
			<i>For >200 To 500, Add</i>	0.39	
			<i>For >2,500 To 4,000, Deduct</i>	-0.15	
			<i>For >4,000 To 5,000, Deduct</i>	-0.29	
			<i>For >5,000, Deduct</i>	-0.49	
			<i>For Individual Room Quantities <495, Add</i>	0.98	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Ceilings >10' High, Add</i>	0.15	
09 51 13 00-0089	SF		2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	7.84	0.72
			<i>For Up To 50, Add</i>	2.04	
			<i>For >50 To 200, Add</i>	1.22	
			<i>For >200 To 500, Add</i>	0.50	
			<i>For >2,500 To 4,000, Deduct</i>	-0.20	
			<i>For >4,000 To 5,000, Deduct</i>	-0.39	
			<i>For >5,000, Deduct</i>	-0.64	
			<i>For Individual Room Quantities <495, Add</i>	1.22	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Ceilings >10' High, Add</i>	0.16	
09 51 13 00-0090	SF		2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	7.62	0.72
			<i>For Up To 50, Add</i>	1.92	
			<i>For >50 To 200, Add</i>	1.15	
			<i>For >200 To 500, Add</i>	0.48	
			<i>For >2,500 To 4,000, Deduct</i>	-0.19	
			<i>For >4,000 To 5,000, Deduct</i>	-0.38	
			<i>For >5,000, Deduct</i>	-0.62	
			<i>For Individual Room Quantities <495, Add</i>	1.15	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Ceilings >10' High, Add</i>	0.15	
09 51 13 00-0091	SF		2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels.....	9.53	0.72
			<i>For Up To 50, Add</i>	2.29	
			<i>For >50 To 200, Add</i>	1.39	
			<i>For >200 To 500, Add</i>	0.58	
			<i>For >2,500 To 4,000, Deduct</i>	-0.24	
			<i>For >4,000 To 5,000, Deduct</i>	-0.48	
			<i>For >5,000, Deduct</i>	-0.77	
			<i>For Individual Room Quantities <495, Add</i>	1.39	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Ceilings >10' High, Add</i>	0.16	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0092 SF 2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels.....	9.31	0.72
For Up To 50, Add	2.17	
For >50 To 200, Add	1.32	
For >200 To 500, Add	0.56	
For >2,500 To 4,000, Deduct	-0.23	
For >4,000 To 5,000, Deduct	-0.47	
For >5,000, Deduct	-0.75	
For Individual Room Quantities <495, Add	1.32	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.15	
09 51 13 00-0093 SF 2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels.....	7.11	0.72
For Up To 50, Add	1.93	
For >50 To 200, Add	1.14	
For >200 To 500, Add	0.46	
For >2,500 To 4,000, Deduct	-0.18	
For >4,000 To 5,000, Deduct	-0.36	
For >5,000, Deduct	-0.59	
For Individual Room Quantities <495, Add	1.14	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.16	
09 51 13 00-0094 SF 2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels.....	6.89	0.72
For Up To 50, Add	1.81	
For >50 To 200, Add	1.08	
For >200 To 500, Add	0.44	
For >2,500 To 4,000, Deduct	-0.17	
For >4,000 To 5,000, Deduct	-0.34	
For >5,000, Deduct	-0.57	
For Individual Room Quantities <495, Add	1.08	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.15	
09 51 13 00-0095 Removal And Reinstallation Of Acoustical Ceiling Panels (09 51 13)		
Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0096 SF Removal And Reinstallation Of Acoustical Panels Only.....	2.48	
For Up To 50, Add	1.36	
For >50 To 200, Add	0.74	
For >200 To 500, Add	0.25	
For >2,500 To 4,000, Deduct	-0.06	
For >4,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.25	
For Ceilings >10' High, Add	0.19	
09 51 23 Acoustical Tile Ceilings (09 51)		
Note: Includes fastening with staples and/or adhesive.		
09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0002 SF 12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile.....	6.13	1.34
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	2.13	
For >50 To 200, Add	1.22	
For >200 To 500, Add	0.46	
For >2,500, Deduct	-0.31	
For Ceilings >10' High, Add	0.23	
09 51 23 00-0003 SF 12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile.....	7.29	1.34
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	2.31	
For >50 To 200, Add	1.34	
For >200 To 500, Add	0.52	
For >2,500, Deduct	-0.36	
For Placing Tiles In Suspended Ceiling System, Deduct	-0.50	
For Ceilings >10' High, Add	0.23	
09 51 23 00-0004 SF 12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile.....	8.22	1.34
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	2.45	
For >50 To 200, Add	1.43	
For >200 To 500, Add	0.56	
For >2,500, Deduct	-0.41	
For Placing Tiles In Suspended Ceiling System, Deduct	-0.50	
For Ceilings >10' High, Add	0.23	
09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0006 SF 12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile.....	5.65	1.34
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	2.06	
For >50 To 200, Add	1.17	
For >200 To 500, Add	0.43	
For >2,500, Deduct	-0.28	
For Ceilings >10' High, Add	0.23	
09 51 33 Acoustical Metal Pan Ceilings (09 51)		
09 51 33 13 Acoustical Snap-in Metal Pan Ceilings (09 51 33)		

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0001 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)		
09 51 33 13-0002 SF 24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	22.51	1.06
09 51 33 13-0003 SF 24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	24.09	1.06
09 51 33 13-0004 Aluminum, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)		
09 51 33 13-0005 SF 24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.76	1.21
09 51 33 13-0006 SF 24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	28.48	1.21
09 51 33 13-0007 SF 24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	55.79	1.21
09 51 33 13-0008 SF 24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	25.23	1.21
09 51 33 13-0009 SF 24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.70	1.21
09 51 33 13-0010 SF 24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	27.75	1.21
09 51 33 13-0011 SF 24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	55.37	1.21
09 51 33 13-0012 SF 24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	25.03	1.21
09 51 33 13-0013 SF 30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	22.83	1.21
09 51 33 13-0014 SF 30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	30.05	1.21
09 51 33 13-0015 SF 30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	61.55	1.21
09 51 33 13-0016 SF 30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.73	1.21
09 51 33 13-0017 SF 30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	24.19	1.21
09 51 33 13-0018 SF 30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	30.78	1.21
09 51 33 13-0019 SF 30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	63.64	1.21
09 51 33 13-0020 SF 30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	30.47	1.21
09 51 33 13-0021 SF 12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	20.63	1.21
09 51 33 13-0022 SF 12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	33.82	1.21
09 51 33 13-0023 SF 12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	60.19	1.21
09 51 33 13-0024 SF 12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.00	1.21
09 51 33 13-0025 SF 12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	22.20	1.21
09 51 33 13-0026 SF 12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	34.23	1.21
09 51 33 13-0027 SF 12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	62.39	1.21
09 51 33 13-0028 SF 12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.94	1.21
09 51 33 13-0029 SF 24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.32	1.21
09 51 33 13-0030 SF 24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	25.11	1.21
09 51 33 13-0031 SF 24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	52.32	1.21
09 51 33 13-0032 SF 24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	23.85	1.21
09 51 33 13-0033 SF 24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.36	1.21
09 51 33 13-0034 SF 24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	24.90	1.21
09 51 33 13-0035 SF 24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	52.42	1.21
09 51 33 13-0036 SF 24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	23.85	1.21
09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)		
09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)		
09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)		
09 51 33 23-0003 SF 24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	17.52	0.91
09 51 33 23-0004 SF 24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	19.87	0.91
09 51 33 23-0005 SF 24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	29.29	0.91
09 51 33 23-0006 SF 24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	24.84	0.91



		Finishes	09
		Ceilings	09 50
		Acoustical Ceilings	09 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0007 SF 24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	26.68	0.91
09 51 33 23-0008 SF 24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	42.11	0.91
09 51 33 23-0009 SF 30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	26.27	0.91
09 51 33 23-0010 SF 30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	32.63	0.91
09 51 33 23-0011 SF 48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	26.41	0.91
09 51 33 23-0012 SF 48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	32.82	0.91
09 51 33 23-0013 SF 12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	26.54	0.91
09 51 33 23-0014 SF 12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	32.69	0.91
09 51 33 23-0015 SF 24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	26.54	0.91
09 51 33 23-0016 SF 24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	32.95	0.91
09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)		
09 51 33 23-0018 SF 24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	22.67	0.91
09 51 33 23-0019 SF 24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	27.06	0.91
09 51 33 23-0020 SF 24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	29.05	0.91
09 51 33 23-0021 SF 24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	27.27	0.91
09 51 33 23-0022 SF 24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	28.00	0.91
09 51 33 23-0023 SF 24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	29.68	0.91
09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)		
09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)		
09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)		
09 51 33 33-0003 SF 24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.49	0.91
09 51 33 33-0004 SF 24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.59	0.91
09 51 33 33-0005 SF 24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	26.33	0.91
09 51 33 33-0006 SF 24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.79	0.91
09 51 33 33-0007 SF 24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	21.31	0.91
09 51 33 33-0008 SF 24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	28.74	0.91
09 53 Acoustical Ceiling Suspension Assemblies (09 50)		
09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)		
09 53 23 00-0001 Ceiling Suspension Systems (09 53 23)		
Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.		
09 53 23 00-0002 SF 1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	4.47	0.60
Note: Excludes ceiling tile.		
For Fastening To Concrete, Add	1.43	
For Fastening To Steel, Add	1.55	
For Vertical Application, Add	2.30	
For Individual Room Quantities <495, Add	0.49	
Note: For use with projects >500 SF		
For Up To 50, Add	1.72	
For >50 To 200, Add	0.97	
For >200 To 500, Add	0.36	
For >2,500 To 4,000, Deduct	-0.10	
For >4,000 To 5,000, Deduct	-0.19	
For >5,000, Deduct	-0.27	
For Ceilings >10' High, Add	0.20	

09 Finishes

09 50 Ceilings

09 53 Acoustical Ceiling Suspension Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0003	SF		1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.62	0.60
			For UL Listed (Fire Guard), Add	0.21	
			For 1-1/2" Wide Faced Grid, Add	0.40	
			For Fastening To Concrete, Add	1.39	
			For Fastening To Steel, Add	1.51	
			For Vertical Application, Add	1.93	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.40	
			Note: For use with projects >500 SF		
			For Aluminum T-Bar System, Add	0.64	
			For Up To 50, Add	1.42	
			For >50 To 200, Add	0.80	
			For >200 To 500, Add	0.29	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.22	
			For Ceilings >10' High, Add	0.17	
09 53 23 00-0004	SF		2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.05	0.60
			For UL Listed (Fire Guard), Add	0.15	
			For 1-1/2" Wide Faced Grid, Add	0.29	
			For Fastening To Concrete, Add	1.37	
			For Fastening To Steel, Add	1.49	
			For Vertical Application, Add	1.77	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.35	
			Note: For use with projects >500 SF		
			For Aluminum T-Bar System, Add	0.46	
			For Up To 50, Add	1.27	
			For >50 To 200, Add	0.71	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.19	
			For Black Grid, Add	0.13	
			For Ceilings >10' High, Add	0.15	
			For Concealed Spline Grid, Add	0.46	
09 53 23 00-0005	SF		2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.54	0.60
			For UL Listed (Fire Guard), Add	0.13	
			For 1-1/2" Wide Faced Grid, Add	0.24	
			For Fastening To Concrete, Add	1.34	
			For Fastening To Steel, Add	1.46	
			For Vertical Application, Add	1.70	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.30	
			Note: For use with projects >500 SF		
			For Aluminum T-Bar System, Add	0.38	
			For Up To 50, Add	1.06	
			For >50 To 200, Add	0.59	
			For >200 To 500, Add	0.21	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.16	
			For Black Grid, Add	0.11	
			For Ceilings >10' High, Add	0.13	
			For Concealed Spline Grid, Add	0.38	
09 53 23 00-0006	SF		1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.23	0.60
			For UL Listed (Fire Guard), Add	0.12	
			For 1-1/2" Wide Faced Grid, Add	0.22	
			For Fastening To Concrete, Add	1.32	
			For Fastening To Steel, Add	1.44	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.26	
			Note: For use with projects >500 SF		
			For Aluminum T-Bar System, Add	0.35	
			For Up To 50, Add	0.92	
			For >50 To 200, Add	0.52	
			For >200 To 500, Add	0.18	
			For >2,500 To 4,000, Deduct	-0.05	
			For >4,000 To 5,000, Deduct	-0.10	
			For >5,000, Deduct	-0.14	
			For Ceilings >10' High, Add	0.11	
09 53 23 00-0007	SF		2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	3.27	0.60
			For UL Listed (Fire Guard), Add	0.19	
			For Fastening To Concrete, Add	1.37	
			For Fastening To Steel, Add	1.49	
			For Vertical Application, Add	1.77	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.37	
			Note: For use with projects >500 SF		
			For Up To 50, Add	1.30	
			For >50 To 200, Add	0.73	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.20	
			For Black Grid, Add	0.16	
			For Ceilings >10' High, Add	0.15	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceiling Suspension Assemblies	09 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0008 SF 2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	2.71	0.60
For UL Listed (Fire Guard), Add	0.15	
For Fastening To Concrete, Add	1.34	
For Fastening To Steel, Add	1.46	
For Vertical Application, Add	1.70	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.31	
Note: For use with projects >500 SF		
For Up To 50, Add	1.09	
For >50 To 200, Add	0.61	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.06	
For >4,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.17	
For Black Grid, Add	0.13	
For Ceilings >10' High, Add	0.13	
09 53 23 00-0009 Ceiling Suspension System Accessories (09 53 23)		
09 53 23 00-0010 LF Pencil Rod Support For Suspended Ceiling with Accessories.....	1.47	
09 53 23 00-0011 LF 1" x 1/8" Flat Bar Bracing For Suspended Ceiling.....	3.59	1.70
For 304 Stainless Steel, Add	2.96	
For 316 Stainless Steel, Add	3.33	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.64	
09 53 23 00-0012 LF 1" x 3/16" Flat Bar Bracing For Suspended Ceiling.....	5.12	1.82
For 304 Stainless Steel, Add	4.50	
For 316 Stainless Steel, Add	5.06	
For Aluminum, Add	0.28	
For Galvanized Steel, Add	0.98	
09 53 23 00-0013 LF 1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling.....	7.16	1.94
For 304 Stainless Steel, Add	9.01	
For 316 Stainless Steel, Add	10.11	
For Aluminum, Add	0.57	
For Galvanized Steel, Add	1.96	
09 53 23 00-0014 EA 2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee.....	7.22	0.35
Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
09 53 23 00-0015 EA Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum.....	30.79	9.11
Note: Includes vertical center strut and four 12 gauge diagonal wires.		
09 53 23 00-0016 EA Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure.....	75.81	24.64
09 53 23 00-0017 EA >30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure.....	78.46	25.11
09 53 23 00-0018 EA >48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure.....	87.36	25.11
09 53 23 00-0019 Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly (09 53 23)		
Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 53 23 00-0020 SF Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4'.....	3.35	
Note: Suspension system tie wire, wall angles and bracing to remain in place.		
For Up To 50, Add	1.84	
For >50 To 200, Add	1.01	
For >200 To 500, Add	0.34	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.17	
For >5,000, Deduct	-0.25	
For Ceilings >10' High, Add	0.25	
09 53 23 00-0021 SF Removal And Reinstallation Of Grid System Only.....	1.46	
Note: Suspension system tie wire, wall angles and bracing to remain in place.		
For Up To 50, Add	0.80	
For >50 To 200, Add	0.44	
For >200 To 500, Add	0.15	
For >2,500 To 4,000, Deduct	-0.04	
For >4,000 To 5,000, Deduct	-0.07	
For >5,000, Deduct	-0.11	
For Ceilings >10' High, Add	0.11	
09 54 Specialty Ceilings (09 50)		
09 54 16 Luminous Ceilings (09 54)		
09 54 16 00-0001 Translucent Ceiling Panels (09 54 16)		
09 54 16 00-0002 SF 2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel.....	3.59	0.60
For Ceilings >10' High, Add	0.10	
For >100 To 200, Deduct	-0.15	
For >200 To 300, Deduct	-0.40	
For >300, Deduct	-0.69	
09 54 23 Linear Metal Ceilings (09 54)		
09 54 23 00-0001 Linear Ceiling Systems (09 54 23)		

09	09 Finishes
	09 50 Ceilings
	09 54 Specialty Ceilings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems <small>(09 54 23 00-0001)</small>		
Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.		
09 54 23 00-0003 SF 4" Panel Width, 0.032" Aluminum, Linear Ceiling System.....	22.53	2.62
For Up To 50, Add	5.89	
For >50 To 200, Add	3.51	
For >200 To 500, Add	1.44	
For >2,500, Deduct	-1.13	
For Ceilings >10' High, Add	0.47	
For Linear Ceiling Systems Without Filler Strips, Deduct	-4.02	
For Curved Ceilings, Add	1.48	
09 54 23 00-0004 SF 8" Panel Width, 0.032" Aluminum, Linear Ceiling System.....	18.23	2.62
For Up To 50, Add	5.19	
For >50 To 200, Add	3.05	
For >200 To 500, Add	1.22	
For >2,500, Deduct	-0.91	
For Ceilings >10' High, Add	0.46	
For Linear Ceiling Systems Without Filler Strips, Deduct	-2.00	
For Curved Ceilings, Add	1.45	
09 54 23 00-0005 SF 12" Panel Width, 0.032" Aluminum, Linear Ceiling System.....	16.56	2.62
For Up To 50, Add	4.89	
For >50 To 200, Add	2.86	
For >200 To 500, Add	1.13	
For >2,500, Deduct	-0.83	
For Ceilings >10' High, Add	0.45	
For Linear Ceiling Systems Without Filler Strips, Deduct	-1.33	
For Curved Ceilings, Add	1.43	
09 54 23 00-0006 Tin Ceilings <small>(09 54 23)</small>		
09 54 23 00-0007 SF 2' x 2' Tin Ceiling Embossed Panels.....	22.21	4.06
For Up To 50, Add	5.29	
For >50 To 200, Add	3.20	
For >200 To 500, Add	1.36	
For >2,500, Deduct	-1.11	
For Ceilings >10' High, Add	0.37	
09 54 23 00-0008 SF 12" x 12" Tin Ceiling Embossed Plates.....	32.76	2.62
For Up To 50, Add	6.97	
For >50 To 200, Add	4.31	
For >200 To 500, Add	1.90	
For >2,500, Deduct	-1.64	
For Ceilings >10' High, Add	0.39	
09 54 23 00-0009 SF 12" x 24" Tin Ceiling Embossed Plates.....	23.98	2.62
For Up To 50, Add	5.66	
For >50 To 200, Add	3.43	
For >200 To 500, Add	1.46	
For >2,500, Deduct	-1.20	
For Ceilings >10' High, Add	0.39	
09 54 23 00-0010 SF 24" x 24" Tin Ceiling Embossed Plates.....	22.03	2.62
For Up To 50, Add	5.21	
For >50 To 200, Add	3.16	
For >200 To 500, Add	1.34	
For >2,500, Deduct	-1.10	
For Ceilings >10' High, Add	0.36	
09 54 23 00-0011 SF 24" x 48" Tin Ceiling Embossed Plates.....	19.22	1.96
For Up To 50, Add	4.55	
For >50 To 200, Add	2.75	
For >200 To 500, Add	1.17	
For >2,500, Deduct	-0.96	
For Ceilings >10' High, Add	0.31	
09 54 23 00-0012 LF 3" Or 4" Wide Embossed Molding.....	15.27	3.93
09 54 23 00-0013 LF 6" Wide Embossed Molding.....	19.05	4.58
09 54 23 00-0014 LF 12" Wide Embossed Molding.....	25.53	5.37
09 54 23 00-0015 EA 3", 4" Or 6" Wide Embossed Cross, Tee Or Ell.....	44.33	12.42
09 54 23 00-0016 EA 12" Wide Embossed Cross, Tee Or Ell.....	61.26	14.52

09 57 Special Function Ceilings (09 50)

09 57 63 High Impact Ceilings (09 57)

09 57 63 00-0001 High Impact Ceilings (09 57 63)

09 57 63 00-0002 SF Polyvinyl Chloride Face High Impact Ceiling Panels.....	9.51	1.21
For Ceilings >10' High, Add	0.15	
09 57 63 00-0003 EA High Impact Clips.....	5.00	0.97
For Ceilings >10' High, Add	0.23	

09 80 Acoustic Treatment (09)

09 81 Acoustic Insulation (09 80)

09 81 16 Acoustic Blanket Insulation (09 81)



Finishes	09	
Acoustic Treatment	09 80	9
Acoustic Insulation	09 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) _(09 81 16)		
09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) _(09 81 16 00-0001)		
09 81 16 00-0003 SF 1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.08	0.36
09 81 16 00-0004 SF 2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.23	0.36
09 81 16 00-0005 SF 2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.45	0.36
09 81 16 00-0006 SF 3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.62	0.36
09 81 16 00-0007 SF 3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.84	0.36
09 81 16 00-0008 SF 4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.05	0.36
09 81 16 00-0009 SF 5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.33	0.36
09 81 16 00-0010 SF 6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.65	0.36
09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) _(09 81 16 00-0001)		
09 81 16 00-0012 SF 1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.03	0.36
09 81 16 00-0013 Sound Attenuation Batts _(09 81 16)		
Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.		
09 81 16 00-0014 SF 2-1/2" Thick, Unfaced Sound Attenuation Batt	1.29	0.48
09 81 16 00-0015 SF 3-1/2" Thick, Unfaced Sound Attenuation Batt	1.38	0.48
09 81 16 00-0016 SF 3-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.44	0.48
09 81 16 00-0017 SF 5-1/2" Thick, Unfaced Sound Attenuation Batt	1.60	0.48
09 81 16 00-0018 SF 5-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.65	0.48
09 81 16 00-0019 SF 6-1/4" Thick, Unfaced Sound Attenuation Batt	1.63	0.48
09 81 16 00-0020 SF 6-1/4" Thick, Kraft Faced Sound Attenuation Batt	1.69	0.48
09 84 Acoustic Room Components _(09 80)		
09 84 13 Fixed Sound-Absorptive Panels _(09 84)		
09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets _(09 84 13)		
Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system. See CSI section 09 53 23 00-0000 for suspended ceiling support.		
09 84 13 00-0002 SF 3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	11.44	2.42
09 84 13 00-0003 SF 1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	16.65	2.42
09 84 13 00-0004 Sound Absorbing Acoustical Wall Panel System _(09 84 13)		
09 84 13 00-0005 Fiberglass, Sound Absorbing Wall Panel System _(09 84 13 00-0004)		
Note: Includes molding and mounting hardware for flush mount. All panels are 3/4" thick.		
09 84 13 00-0006 SF Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Tek-Wall)	19.49	2.73
09 84 13 00-0007 SF Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Adorn)	23.60	2.73
09 84 13 00-0008 Sound Absorbing Panel, Eggcrate Style _(09 84 13)		
Note: Ceiling or wall hung back.		
09 84 13 00-0009 SF 2" Thick Polyurethane Sound Wave (Eggcrate Style)	10.90	
For Pyramid Style, Add		
	1.18	
09 84 13 00-0010 SF 3" Thick Polyurethane Sound Wave (Eggcrate Style)	14.10	
For Pyramid Style, Add		
	1.18	
09 84 13 00-0011 SF 4" Thick Polyurethane Sound Wave (Eggcrate Style)	18.02	
For Pyramid Style, Add		
	1.18	
09 84 13 00-0012 SF 2" Thick Melamine Sound Wave (Eggcrate Style)	13.66	
For Eggcrate Style With Hypalon Coating, Add		
	1.97	
For Pyramid Style, Add		
	2.05	
For Pyramid Style With Hypalon Coating, Add		
	4.02	
09 84 13 00-0013 SF 3" Thick Melamine Sound Wave (Eggcrate Style)	26.68	
For Eggcrate Style With Hypalon Coating, Add		
	1.97	
For Pyramid Style, Add		
	0.42	
For Pyramid Style With Hypalon Coating, Add		
	2.40	
09 84 13 00-0014 SF 4" Thick Melamine Sound Wave (Eggcrate Style)	33.86	
For Eggcrate Style With Hypalon Coating, Add		
	1.97	
For Pyramid Style, Add		
	0.42	
For Pyramid Style With Hypalon Coating, Add		
	2.40	
09 84 13 00-0015 Sound Deadening Fiberboard _(09 84 13)		
09 84 13 00-0016 SF 1/2" Sound Deadening Fiberboard	1.75	0.60
For Horizontal Installation Up To 10' High, Add		
	0.38	
For Horizontal Installation >10' High, Add		
	0.56	
For Walls >10' High, Add		
	0.09	
For Up To 128, Add		
	0.57	
For >128 To 320, Add		
	0.34	

09	09	Finishes
	09 80	Acoustic Treatment
	09 84	Acoustic Room Components



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

END OF SECTION 09



Specialties	10	10
Operation and Maintenance of Specialties	10 01	
Operation and Maintenance of Safety Specialties	10 01 40	

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

10 Specialties

10 01 Operation and Maintenance of Specialties ⁽¹⁰⁾

10 01 40 Operation and Maintenance of Safety Specialties ^(10 01)

10 01 40 00-0001	Recharge Existing Portable Fire Extinguishers ^(10 01 40)		
	Note: Includes removal, filling, testing, certification and reinstallation.		
10 01 40 00-0002	Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0003	EA Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher	17.27	
10 01 40 00-0004	EA Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher	19.19	
10 01 40 00-0005	EA Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher	19.96	
10 01 40 00-0006	EA Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher	22.59	
10 01 40 00-0007	EA Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher	26.10	
10 01 40 00-0008	Recharge Dry Chemical, Class ABC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0009	EA Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher	20.84	
10 01 40 00-0010	EA Recharge 5 LB Dry Chemical Portable Fire Extinguisher	25.22	
10 01 40 00-0011	EA Recharge 10 LB Dry Chemical Portable Fire Extinguisher	35.64	
10 01 40 00-0012	EA Recharge 20 LB Dry Chemical Portable Fire Extinguisher	56.26	
10 01 40 00-0013	Recharge Other Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0014	EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher.....	20.62	
10 01 40 00-0015	EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher.....	146.94	
10 01 40 00-0016	EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher.....	205.72	
10 01 40 00-0017	EA Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher.....	84.70	

10 40 Safety Specialties ⁽¹⁰⁾

10 41 Emergency Access And Information Cabinets ^(10 40)

10 41 13 Fire Department Plan Cabinets ^(10 41)

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) ^(10 41 13)

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,648.93	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Back Key Hook Panel, Add</i>	59.52	
		<i>For Swing Key Hook Panel, Add</i>	158.52	
		<i>For Non-Locking Weather Housing, Add</i>	398.55	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,748.33	39.38
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Back Key Hook Panel, Add</i>	59.52	
		<i>For Swing Key Hook Panel, Add</i>	158.52	
		<i>For Second Swing Key Hook Panel, Add</i>	125.52	
		<i>For Non-Locking Weather Housing, Add</i>	398.55	

10 41 16 Emergency Key Cabinets ^(10 41)

10 41 16 00-0001 Emergency Key Cabinets (Knox) ^(10 41 16)

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	823.95	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....	724.55	39.38
		<i>For Lift-Off Door, Deduct</i>	-40.00	
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	62.59	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	119.00	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	968.07	39.38
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	62.59	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	130.00	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	1,030.19	39.38
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	62.59	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	135.00	

10	10	Specialties
	10 40	Safety Specialties
	10 41	Emergency Access And Information Cabinets



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

10 44 Fire Protection Specialties (10 40)

10 44 13 Fire Protection Cabinets (10 44)

10 44 13 00-0001	EA	Fire Extinguisher Cabinets <small>(10 44 13)</small>		
10 44 13 00-0002	EA	Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small>		
10 44 13 00-0003	EA	Steel Door And Trim, Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0002)</small>		
<small>Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.</small>				
10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	387.57	49.70
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	393.93	49.70
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	395.20	49.70
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	434.60	49.70
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	537.56	49.70
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	551.55	49.70

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

<small>Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.</small>				
10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	389.61	49.70
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	395.39	49.70
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	405.01	49.70
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	421.38	49.70
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	471.95	49.70
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	487.35	49.70

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

<small>Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.</small>				
10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	501.61	49.70
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	512.95	49.70
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	518.62	49.70
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	557.37	49.70
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	635.34	49.70
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	658.96	49.70

10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

<small>Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.</small>				
10 44 13 00-0025	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	986.22	49.70
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	992.65	49.70
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,123.76	49.70

10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

<small>Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.</small>				
10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	470.19	49.70
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	518.50	49.70

10 44 13 00-0031 Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)

10 44 13 00-0032 Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)

<small>Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.</small>				
10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	421.89	49.70
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	434.60	49.70
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	435.87	49.70
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	479.09	49.70
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	565.53	49.70
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	579.51	49.70

10 44 13 00-0039 Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)

<small>Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.</small>				
10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	432.47	49.70
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	446.91	49.70
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	455.58	49.70
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	471.95	49.70
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	528.76	49.70
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	542.24	49.70

10 44 13 00-0046 Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)

<small>Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.</small>				
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	551.23	49.70
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	564.46	49.70
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	570.13	49.70



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0050 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	599.43	49.70
10 44 13 00-0051 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	672.19	49.70
10 44 13 00-0052 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	688.26	49.70
10 44 13 00-0053 Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,214.98	49.70
10 44 13 00-0055 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,220.38	49.70
10 44 13 00-0056 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,383.22	49.70
10 44 13 00-0057 Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058 EA 10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	515.95	49.70
10 44 13 00-0059 EA 14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	561.71	49.70
10 44 13 00-0060 Surface Mounted Fire Extinguisher Cabinets (10 44 13 00-0001)		
10 44 13 00-0061 Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	411.72	49.70
10 44 13 00-0063 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	419.35	49.70
10 44 13 00-0064 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	480.36	49.70
10 44 13 00-0065 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	555.36	49.70
10 44 13 00-0066 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	575.70	49.70
10 44 13 00-0067 Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	523.94	49.70
10 44 13 00-0069 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	536.46	49.70
10 44 13 00-0070 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	564.38	49.70
10 44 13 00-0071 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	619.27	49.70
10 44 13 00-0072 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	642.38	49.70
10 44 13 00-0073 Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	633.45	49.70
10 44 13 00-0075 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	651.40	49.70
10 44 13 00-0076 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	695.82	49.70
10 44 13 00-0077 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	781.81	49.70
10 44 13 00-0078 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	808.27	49.70
10 44 13 00-0079 Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	1,378.14	49.70
10 44 13 00-0081 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	1,539.74	49.70
10 44 13 00-0082 Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060)		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083 EA 13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	487.99	49.70
10 44 13 00-0084 EA 17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	543.92	49.70
10 44 13 00-0085 EA 31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	739.67	49.70
10 44 13 00-0086 Fire Extinguisher Cabinet Accessories (10 44 13 00-0001)		
10 44 13 00-0087 EA Standard Break Glass Cylinder Lock Mechanism	40.06	15.15
10 44 13 00-0088 EA Breaker Bar And Chain For Break Glass Cabinets	36.65	15.15
10 44 13 00-0089 EA Replacement Of Standard Pull Handle.....	34.57	
10 44 13 00-0090 EA Fire Extinguisher Cabinet Battery Operated Alarm	104.51	30.30
10 44 13 00-0091 EA Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	222.35	
10 44 13 00-0092 EA Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	244.58	
10 44 13 00-0093 EA Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	333.52	
10 44 13 00-0094 EA Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	455.82	
10 44 13 00-0095 EA Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	533.64	
10 44 13 00-0096 EA Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets.....	128.96	
10 44 13 00-0097 EA Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	133.41	
10 44 13 00-0098 EA Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets.....	177.88	
10 44 13 00-0099 EA Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets.....	322.41	
10 44 13 00-0100 EA Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets.....	326.85	

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0101	EA		Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets.....	106.67	
10 44 13 00-0102	EA		Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	112.00	
10 44 13 00-0103	EA		Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	151.11	
10 44 13 00-0104	EA		Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	266.67	
10 44 13 00-0105	EA		Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	270.23	
10 44 13 00-0106			Fire Hose Cabinets <small>(10 44 13)</small>		
			Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107			Recessed Fire Hose Cabinets <small>(10 44 13 00-0106)</small>		
10 44 13 00-0108			Steel Door And Trim, Recessed Fire Hose Cabinets <small>(10 44 13 00-0107)</small>		
			Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA		34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	670.15	196.32
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0110	EA		34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	679.50	196.32
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0111	EA		38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	687.31	196.32
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0112	EA		38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	695.11	196.32
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0113	EA		30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	704.46	196.32
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0114	EA		38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	729.40	196.32
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0115	EA		23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	737.20	196.32
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0116			Aluminum Door And Trim, Recessed Fire Hose Cabinets <small>(10 44 13 00-0107)</small>		
			Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117	EA		34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	720.53	196.32
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0118	EA		30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	735.94	196.32
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0119	EA		34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	737.94	196.32
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0120	EA		38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	744.35	196.32
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0121	EA		38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	752.76	196.32
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0122	EA		38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	776.58	196.32
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0123	EA		23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	800.40	196.32
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0124			Stainless Steel Door And Trim, Recessed Fire Hose Cabinets <small>(10 44 13 00-0107)</small>		
			Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125	EA		23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	854.26	196.32
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0126	EA		34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	926.35	196.32
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0127	EA		34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	933.28	196.32
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0128	EA		38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	955.46	196.32
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0129	EA		38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	962.39	196.32
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0130	EA		30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	998.44	196.32
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0131	EA		38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,034.48	196.32
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0132			Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0106)</small>		
10 44 13 00-0133			Steel Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small>		
			Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	695.11	196.32
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0135	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	704.46	196.32
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0136	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	712.25	196.32
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0137	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	721.60	196.32
			<i>For Solid Steel Door, Deduct</i>	-8.60	



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44	13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	729.40 -8.60	196.32
10 44	13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	754.34 -8.60	196.32
10 44	13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	763.70 -8.60	196.32
10 44	13 00-0141		Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small> Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44	13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	735.94 6.50	196.32
10 44	13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	752.76 6.50	196.32
10 44	13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	755.16 6.50	196.32
10 44	13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	759.76 6.50	196.32
10 44	13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	768.17 6.50	196.32
10 44	13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	791.99 6.50	196.32
10 44	13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	815.82 6.50	196.32
10 44	13 00-0149		Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small> Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44	13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	897.24 -7.70	196.32
10 44	13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	976.26 -7.70	196.32
10 44	13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	983.19 -7.70	196.32
10 44	13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,005.37 -7.70	196.32
10 44	13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,012.30 -7.70	196.32
10 44	13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,048.34 -7.70	196.32
10 44	13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,084.39 -7.70	196.32
10 44	13 00-0157		Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0106)</small>		
10 44	13 00-0158		Steel Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small> Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44	13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	704.46 -8.60	196.32
10 44	13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	712.25 -8.60	196.32
10 44	13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	721.60 -8.60	196.32
10 44	13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	729.40 -8.60	196.32
10 44	13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	737.20 -8.60	196.32
10 44	13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	763.70 -8.60	196.32
10 44	13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	771.50 -8.60	196.32
10 44	13 00-0166		Aluminum Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small> Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44	13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	776.58 6.50	196.32
10 44	13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	791.99 6.50	196.32
10 44	13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	796.00 6.50	196.32
10 44	13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	800.40 6.50	196.32
10 44	13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	807.41 6.50	196.32
10 44	13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	832.63 6.50	196.32
10 44	13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	848.05 6.50	196.32

10	10	Specialties
	10 40	Safety Specialties
	10 44	Fire Protection Specialties



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

10 44 13 00-0174	Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0174)</small>		
	Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175	EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	955.46	196.32
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0176	EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,185.58	196.32
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0177	EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,243.81	196.32
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0178	EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,257.67	196.32
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0179	EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,271.53	196.32
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0180	EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,329.76	196.32
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0181	EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,401.84	196.32
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	

10 44 16 Fire Extinguishers (10 44)

10 44 16 13 Portable Fire Extinguishers (10 44 16)

Note: Includes filling, certification, bracket, hardware and mounting on wall.

10 44 16 13-0001	Carbon Dioxide Type, Class BC Portable Fire Extinguisher <small>(10 44 16 13)</small>		
10 44 16 13-0002	EA 2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	199.86	15.75
	<i>For >5 To 10, Deduct</i>	-5.95	
	<i>For >10, Deduct</i>	-11.91	
	<i>For Placement In Cabinet, Deduct</i>	-40.40	
10 44 16 13-0003	EA 5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	290.00	18.18
	<i>For >5 To 10, Deduct</i>	-9.84	
	<i>For >10, Deduct</i>	-19.68	
	<i>For Placement In Cabinet, Deduct</i>	-46.62	
10 44 16 13-0004	EA 10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	377.22	23.03
	<i>For >5 To 10, Deduct</i>	-12.80	
	<i>For >10, Deduct</i>	-25.60	
	<i>For Placement In Cabinet, Deduct</i>	-60.60	
10 44 16 13-0005	EA 15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	464.61	29.08
	<i>For >5 To 10, Deduct</i>	-15.66	
	<i>For >10, Deduct</i>	-31.31	
	<i>For Placement In Cabinet, Deduct</i>	-75.75	
10 44 16 13-0006	EA 20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	515.77	29.08
	<i>For >5 To 10, Deduct</i>	-18.21	
	<i>For >10, Deduct</i>	-36.43	
	<i>For Placement In Cabinet, Deduct</i>	-75.75	
10 44 16 13-0007	EA 50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,637.65	46.05
	<i>For >5 To 10, Deduct</i>	-69.76	
	<i>For >10, Deduct</i>	-139.53	
10 44 16 13-0008	EA 100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	3,192.80	46.05
	<i>For >5 To 10, Deduct</i>	-147.52	
	<i>For >10, Deduct</i>	-295.04	

10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher (10 44 16 13)

10 44 16 13-0010	EA 2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher	126.20	15.75
	<i>For >5 To 10, Deduct</i>	-2.27	
	<i>For >10, Deduct</i>	-4.54	
	<i>For Placement In Cabinet, Deduct</i>	-40.40	
10 44 16 13-0011	EA 5 LB Dry Chemical, Type ABC Portable Fire Extinguisher	157.62	18.18
	<i>For >5 To 10, Deduct</i>	-3.22	
	<i>For >10, Deduct</i>	-6.44	
	<i>For Placement In Cabinet, Deduct</i>	-46.62	
10 44 16 13-0012	EA 10 LB Dry Chemical, Type ABC Portable Fire Extinguisher	223.70	23.03
	<i>For >5 To 10, Deduct</i>	-5.13	
	<i>For >10, Deduct</i>	-10.25	
	<i>For Placement In Cabinet, Deduct</i>	-60.60	
10 44 16 13-0013	EA 20 LB Dry Chemical, Type ABC Portable Fire Extinguisher	312.81	29.08
	<i>For >5 To 10, Deduct</i>	-8.07	
	<i>For >10, Deduct</i>	-16.13	
	<i>For Placement In Cabinet, Deduct</i>	-75.75	
10 44 16 13-0014	EA 50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	1,959.34	46.05
	<i>For >5 To 10, Deduct</i>	-85.85	
	<i>For >10, Deduct</i>	-171.70	
10 44 16 13-0015	EA 125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,899.66	46.05
	<i>For >5 To 10, Deduct</i>	-132.86	
	<i>For >10, Deduct</i>	-265.73	

10 44 16 13-0016 Other Portable Fire Extinguishers (10 44 16 13)



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0017 EA 2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher.....	225.28	18.18
Note: Stainless steel.		
For >5 To 10, Deduct	-6.60	
For >10, Deduct	-13.21	
For Placement In Cabinet, Deduct	-46.62	
10 44 16 13-0018 EA 1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	342.08	29.08
Note: Stainless steel.		
For >5 To 10, Deduct	-9.53	
For >10, Deduct	-19.06	
For Placement In Cabinet, Deduct	-75.75	
10 44 16 13-0019 EA 2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	362.83	29.08
Note: Stainless steel.		
For >5 To 10, Deduct	-10.57	
For >10, Deduct	-21.13	
For Placement In Cabinet, Deduct	-75.75	
10 44 16 13-0020 EA 30 LB Dry Powder, Class D Portable Fire Extinguisher.....	506.26	29.08
Note: Yellow steel.		
For >5 To 10, Deduct	-17.74	
For >10, Deduct	-35.48	
10 44 16 13-0021 Fire Extinguisher Backboards <small>(10 44 16 13)</small>		
10 44 16 13-0022 Fire Extinguisher Backboards <small>(10 44 16 13-0021)</small>		
Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0023 EA Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard.....	138.07	20.75
10 44 16 13-0024 EA Relocate Fire Extinguisher Wood Backboard, Any Size.....	183.09	
Note: Includes storage and cleaning.		
10 44 16 13-0025 Inspections And Testing <small>(10 44 16 13)</small>		
10 44 16 13-0026 EA On Site Fire Extinguisher Annual Inspection (Tag).....	9.52	
10 44 16 13-0027 EA On Site Fire Extinguisher Hydrotest.....	14.00	
10 44 19 Fire Blankets <small>(10 44)</small>		
10 44 19 00-0001 EA Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB).....	474.15	49.70
Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
10 44 19 00-0002 EA Drop Type Fire Blanket Cabinet (JL Industries 2FB).....	353.39	49.70
Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		

END OF SECTION 10

10	10	Specialties
	10 40	Safety Specialties
	10 44	Fire Protection Specialties



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

THIS PAGE INTENTIONALLY LEFT BLANK



	Equipment	11	
	Commercial Equipment	11 20	11
	Retail and Service Equipment	11 21	

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

11 Equipment

11 20 Commercial Equipment ⁽¹¹⁾

11 21 Retail and Service Equipment ^(11 20)

11 21 63 Refrigerated Display Equipment ^(11 21)

11 21 63 00-0001 Dairy Products ^(11 21 63)

11 21 63 00-0002 Refrigerated Dairy Case ^(11 21 63 00-0001)

11 21 63 00-0003	LF	Refrigerated Case, Dairy, Multi-Deck.....	2,564.11	441.62
		<i>For Rear Sliding Doors, Add</i>	19.95	

11 21 63 00-0004 Refrigerated Milk Unit ^(11 21 63 00-0001)

11 21 63 00-0005	EA	46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit.....	12,999.36	320.93
------------------	----	---	-----------	--------

11 21 63 00-0006 Refrigerated Ice Cream And Milk Dispenser ^(11 21 63 00-0001)

11 21 63 00-0007	EA	63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser.....	14,413.41	352.44
------------------	----	--	-----------	--------

11 21 63 00-0008 Ice Cream Dispenser ^(11 21 63 00-0001)

11 21 63 00-0009	EA	46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser.....	12,037.89	296.75
------------------	----	---	-----------	--------

11 21 63 00-0010 Drop-In Ice Cream Freezer ^(11 21 63 00-0001)

11 21 63 00-0011	EA	27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer.....	3,002.00	73.85
11 21 63 00-0012	EA	30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer.....	3,922.92	96.57

11 21 63 00-0013 Ice Cream Cabinets ^(11 21 63 00-0001)

11 21 63 00-0014	EA	46" x 32" x 42", 24 Gallon Ice Cream Cabinet.....	9,402.68	230.80
11 21 63 00-0015	EA	68" x 32" x 42", 48 Gallon Ice Cream Cabinet.....	13,393.19	333.09

11 21 63 00-0016 Delicatessen Case, Service Deli ^(11 21 63)

11 21 63 00-0017	LF	Delicatessen Case, Single-Deck.....	2,578.69	368.02
11 21 63 00-0018	LF	Delicatessen Case, Multi-Deck.....	2,864.03	441.62
11 21 63 00-0019	EA	Delicatessen Case, 3 Shelf, 32" x 23" x 23".....	3,441.36	85.45

11 21 63 00-0020 Meat Case ^(11 21 63)

11 21 63 00-0021	LF	Meat Case, Single - Deck.....	1,853.99	441.62
11 21 63 00-0022	LF	Meat Case, Multi - Deck.....	2,011.31	441.62

11 21 63 00-0023 Produce Case ^(11 21 63)

11 21 63 00-0024	LF	Single Deck Produce Case.....	1,937.15	441.62
11 21 63 00-0025	LF	Multi-Deck Produce Case.....	2,143.99	441.62

11 21 63 00-0026 Bottle Coolers ^(11 21 63)

11 21 63 00-0027	EA	Bottle Cooler, 6' Long.....	7,254.36	1,472.07
11 21 63 00-0028	EA	Bottle Cooler, 10' Long.....	10,877.34	2,208.10

11 21 63 00-0029 Cold Pan Units ^(11 21 63)

11 21 63 00-0030	EA	5" x 48", Iced, Cold Pan Units.....	4,812.43	117.52
11 21 63 00-0031	EA	5" x 72", Iced, Cold Pan Units.....	6,685.78	164.42
11 21 63 00-0032	EA	8" x 72", Iced, Cold Pan Units.....	7,905.14	194.47
11 21 63 00-0033	EA	5" x 48", Mechanical, Cold Pan Units.....	8,126.40	200.91
11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units.....	8,845.18	216.88
11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units.....	10,510.28	256.31

11 21 63 00-0036 Cold Cabinets (Insulated) ^(11 21 63)

11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet.....	4,370.98	101.70
------------------	----	--	----------	--------

11 30 Residential Equipment ⁽¹¹⁾

11 32 Unit Kitchens ^(11 30)

11 32 13 Metal Unit Kitchens ^(11 32)

11	11	Equipment
	11 30	Residential Equipment
	11 32	Unit Kitchens



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

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001			30" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0002	EA		30" Compact Unit Kitchen With Refrigerator, Range And Sink	2,659.05	735.80
			<i>For Gas Unit, Add</i>	251.70	
11 32 13 00-0003	EA		30" Compact Unit Kitchen With Refrigerator And Sink.....	2,178.11	515.06
11 32 13 00-0004	EA		30" Compact Unit Kitchen With Refrigerator And Range	1,970.52	441.48
11 32 13 00-0005	EA		30" Compact Unit Kitchen Cabinet For Upper Wall Section.....	605.28	363.60
11 32 13 00-0006	EA		30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,168.54	242.39
			<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0007	EA		30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	72.10	17.22
11 32 13 00-0008	EA		30" Compact Unit Kitchen Stainless Steel Shield For Side Wall	65.41	17.22
11 32 13 00-0009			42" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0010	EA		42" Compact Unit Kitchen With Refrigerator, Range And Sink	3,060.78	809.39
			<i>For Gas Unit, Add</i>	297.24	
11 32 13 00-0011	EA		42" Compact Unit Kitchen With Refrigerator And Sink.....	2,710.07	662.22
11 32 13 00-0012	EA		42" Compact Unit Kitchen Cabinet For Upper Wall Section.....	754.46	206.04
11 32 13 00-0013	EA		42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,350.99	272.69
			<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0014	EA		42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	85.78	17.22
11 32 13 00-0015	EA		42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	72.60	17.22
11 32 13 00-0016			54" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0017	EA		54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	4,094.39	1,030.13
			<i>For Gas Unit, Add</i>	408.13	
11 32 13 00-0018	EA		54" Compact Unit Kitchen Cabinet For Upper Wall Section.....	927.87	121.20
11 32 13 00-0019	EA		54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,502.22	303.00
			<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0020	EA		54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	99.40	17.22
11 32 13 00-0021	EA		54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	75.86	17.22
11 32 13 00-0022			60" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0023	EA		60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink.....	4,322.10	1,103.70
			<i>For Gas Unit, Add</i>	427.58	
11 32 13 00-0024	EA		60" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,109.49	303.00
11 32 13 00-0025	EA		60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	105.04	17.22
11 32 13 00-0026	EA		60" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	75.86	17.22
11 32 13 00-0027			72" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0028	EA		72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	4,630.38	1,177.29
			<i>For Gas Unit, Add</i>	459.10	
11 32 13 00-0029	EA		72" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,351.53	363.60
11 32 13 00-0030	EA		72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	122.13	21.53
11 32 13 00-0031	EA		72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	79.77	21.53

11 40 Foodservice Equipment (11)

11 41 Foodservice Storage Equipment (11 40)

11 41 13 Refrigerated Food Storage Cases (11 41)

11 41 13 00-0001			Frozen Food Cases <small>(11 41 13)</small>		
11 41 13 00-0002	LF		Chest Type Frozen Food Case.....	1,922.46	441.62
11 41 13 00-0003	LF		Reach-in Frozen Food Case (Glass Door).....	3,791.00	441.62
11 41 13 00-0004	LF		Island Type Frozen Food Case.....	2,252.32	441.62
11 41 13 00-0005	LF		Multi-Deck Frozen Food Case	3,631.36	441.62

11 41 13 00-0006			Reach-In Refrigerators <small>(11 41 13)</small>		
11 41 13 00-0007	EA		Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	5,921.81	198.96
11 41 13 00-0008	EA		Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	7,294.67	250.94
11 41 13 00-0009	EA		Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator	9,741.83	277.23
11 41 13 00-0010	EA		Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	5,781.49	198.96
11 41 13 00-0011	EA		Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	7,521.17	250.94
11 41 13 00-0012	EA		Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator	9,999.04	277.23
11 41 13 00-0013	EA		Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	7,110.59	198.96
11 41 13 00-0014	EA		Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	9,617.27	250.94
11 41 13 00-0015	EA		Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator	7,843.30	198.96
11 41 13 00-0016	EA		Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator	11,298.73	250.94

11 41 13 00-0017			Reach-In Freezers <small>(11 41 13)</small>		
11 41 13 00-0018	EA		Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	6,658.98	199.20
11 41 13 00-0019	EA		Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer	8,828.88	250.58



Equipment	11	
Foodservice Equipment	11 40	↑
Foodservice Storage Equipment	11 41	

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

11 41 23 Walk-In-Coolers (11 41)

11 41 23 00-0001	Walk-In Refrigerated Boxes (11 41 23)		
	Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.		
11 41 23 00-0002	Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001)		
	Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0003	EA 6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,804.83	1,464.71
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,462.88	
11 41 23 00-0004	EA 6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,268.94	1,647.80
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,767.97	
11 41 23 00-0005	EA 6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,864.13	1,830.89
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,855.74	
11 41 23 00-0006	EA 6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,225.33	2,197.07
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,074.37	
11 41 23 00-0007	EA 6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,965.18	2,563.25
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,387.33	
11 41 23 00-0008	EA 6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,387.22	2,929.43
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,620.16	
11 41 23 00-0009	EA 6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,786.07	3,295.61
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,847.98	
11 41 23 00-0010	EA 8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,222.56	1,830.89
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,945.34	
11 41 23 00-0011	EA 8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,193.33	2,013.98
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,127.19	
11 41 23 00-0012	EA 8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,675.93	2,380.17
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,375.25	
11 41 23 00-0013	EA 8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,563.90	2,746.34
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,725.53	
11 41 23 00-0014	EA 8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,066.04	3,112.52
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,979.37	
11 41 23 00-0015	EA 8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,611.89	3,478.70
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,243.20	
11 41 23 00-0016	EA 8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,111.94	3,844.88
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,497.04	
11 41 23 00-0017	EA 8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,654.46	4,211.05
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,759.56	
11 41 23 00-0018	EA 8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,161.84	4,577.23
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,014.72	
11 41 23 00-0019	Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001)		
	Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0020	EA 10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,640.13	2,197.07
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,428.07	
11 41 23 00-0021	EA 10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,240.18	2,563.25
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,706.08	
11 41 23 00-0022	EA 10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,902.92	2,929.43
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,999.08	
11 41 23 00-0023	EA 10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,482.56	3,295.61
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,272.11	
11 41 23 00-0024	EA 10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,163.68	3,661.79
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,571.41	
11 41 23 00-0025	EA 10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,746.92	4,027.97
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,843.12	
11 41 23 00-0026	EA 10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,431.74	4,394.14
	<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,144.00	

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0027	EA	10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,004.38	4,760.32
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,415.45	
11 41 23 00-0028	EA	10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,690.71	5,126.50
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,714.76	
11 41 23 00-0029	EA	10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,274.69	5,492.68
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,987.78	
11 41 23 00-0030	EA	10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,203.16	6,041.94
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,287.35	
11 41 23 00-0031	EA	10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,009.43	6,591.21
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,558.80	
11 41 23 00-0032	EA	12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,683.34	2,746.34
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,005.39	
11 41 23 00-0033	EA	12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,500.80	3,112.52
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,338.06	
11 41 23 00-0034	EA	12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,188.55	3,478.70
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,637.37	
11 41 23 00-0035	EA	12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,997.63	3,844.88
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,968.47	
11 41 23 00-0036	EA	12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,693.61	4,211.05
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,269.35	
11 41 23 00-0037	EA	12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,503.71	4,577.23
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,600.18	
11 41 23 00-0038	EA	12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,183.89	4,943.41
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,899.49	
11 41 23 00-0039	EA	12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,006.84	5,309.59
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,232.16	
11 41 23 00-0040	EA	12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,818.70	5,767.31
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,531.47	
11 41 23 00-0041	EA	12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,874.61	6,316.58
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,862.57	
11 41 23 00-0042	EA	12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,808.25	6,865.84
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,163.45	
11 41 23 00-0043	EA	12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,856.05	7,415.12
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,494.28	
11 41 23 00-0044	EA	12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,777.97	7,964.39
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,793.59	
11 41 23 00-0045		Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046	EA	14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,501.35	3,295.61
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,026.80	
11 41 23 00-0047	EA	14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,504.10	3,661.79
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,406.52	
11 41 23 00-0048	EA	14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,661.26	4,027.97
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,821.71	
11 41 23 00-0049	EA	14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,662.46	4,394.14
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,201.68	
11 41 23 00-0050	EA	14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,803.75	4,760.32
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,615.29	
11 41 23 00-0051	EA	14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,819.07	5,126.50
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,996.85	
11 41 23 00-0052	EA	14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,965.40	5,492.68
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,410.46	
11 41 23 00-0053	EA	14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,215.51	6,041.94
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,790.43	



Equipment	11	
Foodservice Equipment	11 40	↑
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0054 EA 14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,596.74	6,591.21
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,205.62	
11 41 23 00-0055 EA 14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,877.24	7,140.49
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,585.34	
11 41 23 00-0056 EA 14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,244.38	7,689.75
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,999.21	
11 41 23 00-0057 EA 14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,507.35	8,147.47
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,380.50	
11 41 23 00-0058 Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small>		
<small>Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.</small>		
11 41 23 00-0059 EA 16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,530.41	3,844.88
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,851.66	
11 41 23 00-0060 EA 16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,819.22	4,211.05
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,300.75	
11 41 23 00-0061 EA 16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,037.15	4,577.23
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,733.54	
11 41 23 00-0062 EA 16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,322.76	4,943.41
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,184.21	
11 41 23 00-0063 EA 16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,546.19	5,309.59
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,617.00	
11 41 23 00-0064 EA 16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,957.18	5,767.31
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,066.09	
11 41 23 00-0065 EA 16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,426.18	6,316.58
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,500.46	
11 41 23 00-0066 EA 16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,952.64	6,865.84
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,949.55	
11 41 23 00-0067 EA 16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,408.28	7,415.12
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,382.34	
11 41 23 00-0068 EA 16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,935.63	7,964.39
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,833.00	
11 41 23 00-0069 EA 18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,653.26	4,394.14
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,699.38	
11 41 23 00-0070 EA 18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,994.26	4,760.32
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,162.92	
11 41 23 00-0071 EA 18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,450.00	5,126.50
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,654.58	
11 41 23 00-0072 EA 18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,790.78	5,492.68
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,116.80	
11 41 23 00-0073 EA 18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,492.87	6,041.94
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,609.77	
11 41 23 00-0074 EA 18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,062.25	6,591.21
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,072.00	
11 41 23 00-0075 EA 18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,790.52	7,140.49
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,563.66	
11 41 23 00-0076 EA 18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,356.32	7,689.75
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,027.20	
11 41 23 00-0077 EA 18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	49,060.76	8,239.02
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,518.85	
11 41 23 00-0078 EA 18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	51,864.92	8,910.34
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,981.08	
11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small>		
<small>Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.</small>		
11 41 23 00-0080 EA 6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,185.33	1,464.71
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,558.01	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0081	EA		6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,416.09	1,647.80
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,804.76	
11 41 23 00-0082	EA		6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,347.64	1,830.89
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,976.61	
11 41 23 00-0083	EA		6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,780.32	2,197.07
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,213.11	
11 41 23 00-0084	EA		6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,551.70	2,563.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,533.96	
11 41 23 00-0085	EA		6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,045.21	2,929.43
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,784.65	
11 41 23 00-0086	EA		6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,475.60	3,295.61
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,020.37	
11 41 23 00-0087	EA		8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,746.01	1,830.89
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,076.21	
11 41 23 00-0088	EA		8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,748.31	2,013.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,265.93	
11 41 23 00-0089	EA		8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,302.39	2,380.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,531.86	
11 41 23 00-0090	EA		8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,221.90	2,746.34
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,890.03	
11 41 23 00-0091	EA		8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,795.51	3,112.52
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,161.74	
11 41 23 00-0092	EA		8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,372.89	3,478.70
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,433.45	
11 41 23 00-0093	EA		8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,944.42	3,844.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,705.16	
11 41 23 00-0094	EA		8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,518.47	4,211.05
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,975.56	
11 41 23 00-0095	EA		8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,097.33	4,577.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,248.59	
11 41 23 00-0096			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> <small>Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.</small>		
11 41 23 00-0097	EA		10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,226.65	2,197.07
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,574.70	
11 41 23 00-0098	EA		10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,898.18	2,563.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,870.58	
11 41 23 00-0099	EA		10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,592.45	2,929.43
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,171.46	
11 41 23 00-0100	EA		10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,243.57	3,295.61
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,462.36	
11 41 23 00-0101	EA		10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,956.21	3,661.79
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,769.54	
11 41 23 00-0102	EA		10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,610.94	4,027.97
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,059.13	
11 41 23 00-0103	EA		10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,327.29	4,394.14
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,367.89	
11 41 23 00-0104	EA		10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,971.40	4,760.32
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,657.21	
11 41 23 00-0105	EA		10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,689.26	5,126.50
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,964.39	
11 41 23 00-0106	EA		10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,344.72	5,492.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,255.29	
11 41 23 00-0107	EA		10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,304.73	6,041.94
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,562.74	



Equipment	11	
Foodservice Equipment	11 40	↑
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0108 EA 10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,182.47	6,499.66
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,852.06	
11 41 23 00-0109 EA 12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,412.81	2,746.34
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,187.76	
11 41 23 00-0110 EA 12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,261.80	3,112.52
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,528.31	
11 41 23 00-0111 EA 12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,021.03	3,478.70
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,845.49	
11 41 23 00-0112 EA 12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,861.65	3,844.88
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,184.47	
11 41 23 00-0113 EA 12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,629.10	4,211.05
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,503.22	
11 41 23 00-0114 EA 12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,470.73	4,577.23
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,841.94	
11 41 23 00-0115 EA 12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,222.38	4,943.41
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,159.11	
11 41 23 00-0116 EA 12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,076.87	5,309.59
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,499.67	
11 41 23 00-0117 EA 12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,960.20	5,767.31
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,816.84	
11 41 23 00-0118 EA 12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,047.65	6,316.58
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,155.83	
11 41 23 00-0119 EA 12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,052.76	6,865.84
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,474.58	
11 41 23 00-0120 EA 12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,132.10	7,415.12
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,813.30	
11 41 23 00-0121 EA 12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,125.49	7,964.39
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,130.47	
11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small>		
<i>Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.</i>		
11 41 23 00-0123 EA 14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,293.89	3,295.61
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,224.94	
11 41 23 00-0124 EA 14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,368.12	3,661.79
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,622.52	
11 41 23 00-0125 EA 14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,556.80	4,027.97
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,045.59	
11 41 23 00-0126 EA 14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,629.48	4,394.14
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,443.44	
11 41 23 00-0127 EA 14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,802.30	4,760.32
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,864.93	
11 41 23 00-0128 EA 14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,889.10	5,126.50
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,264.35	
11 41 23 00-0129 EA 14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,066.96	5,492.68
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,685.85	
11 41 23 00-0130 EA 14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,388.55	6,041.94
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,083.69	
11 41 23 00-0131 EA 14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,801.31	6,591.21
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,506.77	
11 41 23 00-0132 EA 14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,153.29	7,140.49
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,904.35	
11 41 23 00-0133 EA 14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,551.96	7,689.75
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,326.11	
11 41 23 00-0134 EA 14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,886.41	8,239.02
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,725.27	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



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

11 41 23 00-0135	Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small>				
Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.					
11 41 23 00-0136	EA	16' x 16'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,465.90	3,844.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,085.53	
11 41 23 00-0137	EA	16' x 18'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,786.24	4,211.05
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,542.50	
11 41 23 00-0138	EA	16' x 20'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,075.65	4,577.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,993.17	
11 41 23 00-0139	EA	16' x 22'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,392.79	4,943.41
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,451.71	
11 41 23 00-0140	EA	16' x 24'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,687.70	5,309.59
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,902.38	
11 41 23 00-0141	EA	16' x 26'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,130.22	5,767.31
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,359.35	
11 41 23 00-0142	EA	16' x 28'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,670.70	6,316.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,811.59	
11 41 23 00-0143	EA	16' x 30'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,228.69	6,865.84
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,268.56	
11 41 23 00-0144	EA	16' x 32'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,755.80	7,415.12
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,719.22	
11 41 23 00-0145	EA	16' x 34'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	47,314.69	7,964.39
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,177.77	
11 41 23 00-0146	EA	18' x 18'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,651.82	4,394.14
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,949.02	
11 41 23 00-0147	EA	18' x 20'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,064.29	4,760.32
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,430.43	
11 41 23 00-0148	EA	18' x 22'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,551.56	5,126.50
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,929.97	
11 41 23 00-0149	EA	18' x 24'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,963.82	5,492.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,410.06	
11 41 23 00-0150	EA	18' x 26'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,697.45	6,041.94
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,910.92	
11 41 23 00-0151	EA	18' x 28'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,338.29	6,591.21
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,391.01	
11 41 23 00-0152	EA	18' x 30'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,098.10	7,140.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,690.55	
11 41 23 00-0153	EA	18' x 32'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	47,735.38	7,689.75
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,371.96	
11 41 23 00-0154	EA	18' x 34'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	50,471.35	8,239.02
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,871.50	
11 41 23 00-0155	EA	18' x 36'	Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	53,346.99	8,910.34
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,351.60	

11 41 23 00-0156	Walk-In Refrigerated Unit Metal Price Add-Ons <small>(11 41 23 00-0001)</small>				
11 41 23 00-0157	SF		Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®.....	0.45	
11 41 23 00-0158	SF		Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®.....	0.83	
11 41 23 00-0159	SF		Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®.....	1.16	
11 41 23 00-0160	SF		Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®.....	8.20	
11 41 23 00-0161	SF		Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®.....	10.72	
11 41 23 00-0162	SF		Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®.....	1.32	
11 41 23 00-0163	SF		Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®.....	3.25	
11 41 23 00-0164	SF		Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®.....	4.20	
11 41 23 00-0165	SF		Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®.....	4.41	
11 41 23 00-0166	SF		Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor.....	-5.92	
11 41 23 00-0167	SF		Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor.....	2.47	
11 41 23 00-0168	SF		Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor.....	6.42	
11 41 23 00-0169	SF		Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor.....	5.63	
11 41 23 00-0170	SF		Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor.....	18.24	

11 41 23 00-0171	Air Cooled Condensing Units For Walk-In Coolers And Freezers <small>(11 41 23)</small>				
------------------	--	--	--	--	--



Equipment	11	
Foodservice Equipment	11 40	↑
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0172 Medium Temperature Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0173 208/230 Volt, 1 Phase <small>(11 41 23 00-0172)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0174 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,594.45	203.23
11 41 23 00-0175 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,859.08	237.11
11 41 23 00-0176 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,598.17	270.97
11 41 23 00-0177 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,041.80	304.85
11 41 23 00-0178 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,656.72	338.72
11 41 23 00-0179 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,489.22	406.46
11 41 23 00-0180 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,151.31	474.20
11 41 23 00-0181 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,899.82	541.95
11 41 23 00-0182 208/230 Volt, 3 Phase <small>(11 41 23 00-0172)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,606.00	270.97
11 41 23 00-0184 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,041.80	304.85
11 41 23 00-0185 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,727.21	338.72
11 41 23 00-0186 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,405.30	406.46
11 41 23 00-0187 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,151.31	474.20
11 41 23 00-0188 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,802.48	541.95
11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0190 208/230 Volt, 1 Phase <small>(11 41 23 00-0189)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,779.92	203.23
11 41 23 00-0192 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,170.51	237.11
11 41 23 00-0193 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,807.90	270.97
11 41 23 00-0194 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,024.48	304.85
11 41 23 00-0195 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,400.92	338.72
11 41 23 00-0196 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,165.37	406.46
11 41 23 00-0197 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,195.61	474.20
11 41 23 00-0198 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,791.87	541.95
11 41 23 00-0199 208/230 Volt, 3 Phase <small>(11 41 23 00-0189)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,776.95	270.97
11 41 23 00-0201 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,037.02	304.85
11 41 23 00-0202 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,466.16	338.72
11 41 23 00-0203 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,103.47	406.46
11 41 23 00-0204 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,214.85	474.20
11 41 23 00-0205 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,714.91	541.95
11 41 23 00-0206 Low Temperature Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207 208/230 Volt, 1 Phase <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,210.95	203.23
11 41 23 00-0209 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,411.81	237.11
11 41 23 00-0210 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,676.49	270.97
11 41 23 00-0211 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,066.42	304.85
11 41 23 00-0212 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,601.90	338.72
11 41 23 00-0213 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,796.91	406.46
11 41 23 00-0214 208/230 Volt, 3 Phase <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,684.32	270.97
11 41 23 00-0216 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,066.42	304.85
11 41 23 00-0217 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,674.63	338.72
11 41 23 00-0218 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,716.35	406.46
11 41 23 00-0219 Low Temperature Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220 208/230 Volt, 1 Phase <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,428.18	203.23

11	11 Equipment
	11 40 Foodservice Equipment
	11 41 Foodservice Storage Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0222 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,515.13	237.11
11 41 23 00-0223 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,773.60	270.97
11 41 23 00-0224 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,181.73	304.85
11 41 23 00-0225 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,657.71	338.72
11 41 23 00-0226 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,385.36	406.46
11 41 23 00-0227 208/230 Volt, 3 Phase <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,925.00	270.97
11 41 23 00-0229 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,256.18	304.85
11 41 23 00-0230 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,717.94	338.72
11 41 23 00-0231 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,324.29	406.46
11 41 23 00-0232 Medium Temperature Semi-Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233 208/230 Volt, 1 Phase <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,937.19	270.97
11 41 23 00-0235 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,571.71	541.95
11 41 23 00-0236 208/230 Volt, 3 Phase <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,941.66	270.97
11 41 23 00-0238 EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,209.73	338.72
11 41 23 00-0239 EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,245.02	406.46
11 41 23 00-0240 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	13,389.33	541.95
11 41 23 00-0241 Medium Temperature Semi-Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242 208/230 Volt, 1 Phase <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,996.94	270.97
11 41 23 00-0244 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	12,240.59	541.95
11 41 23 00-0245 208/230 Volt, 3 Phase <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,005.30	270.97
11 41 23 00-0247 EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,922.03	338.72
11 41 23 00-0248 EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,466.47	406.46
11 41 23 00-0249 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,095.48	541.95
11 41 23 00-0250 Low Temperature Semi-Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251 208/230 Volt, 1 Phase <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,061.88	237.11
11 41 23 00-0253 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,480.97	270.97
11 41 23 00-0254 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,601.52	304.85
11 41 23 00-0255 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,802.74	338.72
11 41 23 00-0256 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,123.34	406.46
11 41 23 00-0257 208/230 Volt, 3 Phase <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,030.55	237.11
11 41 23 00-0259 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,476.49	270.97
11 41 23 00-0260 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,559.00	304.85
11 41 23 00-0261 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,728.89	338.72



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0262 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,730.61	406.46
11 41 23 00-0263 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	14,978.16	474.20
11 41 23 00-0264 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	15,827.38	609.69
11 41 23 00-0265 EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	22,768.57	711.31
11 41 23 00-0266 Low Temperature Semi-Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267 208/230 Volt, 1 Phase <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,105.67	237.11
11 41 23 00-0269 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,368.32	270.97
11 41 23 00-0270 EA 1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,239.02	304.85
11 41 23 00-0271 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,159.99	338.72
11 41 23 00-0272 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,956.63	406.46
11 41 23 00-0273 208/230 Volt, 3 Phase <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,032.06	237.11
11 41 23 00-0275 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,371.67	270.97
11 41 23 00-0276 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,226.47	304.85
11 41 23 00-0277 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,098.10	338.72
11 41 23 00-0278 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,691.48	406.46
11 41 23 00-0279 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	12,587.86	474.20
11 41 23 00-0280 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	13,364.68	609.69
11 41 23 00-0281 EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	18,702.17	711.31
11 41 23 00-0282 Walk-In Refrigerated Boxes Accessories <small>(11 41 23)</small>		
11 41 23 00-0283 Accessories <small>(11 41 23 00-0282)</small>		
11 41 23 00-0284 EA Super Door Package, For 36" Or 42" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	671.95	
11 41 23 00-0285 EA Super Door Package, For 48" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	870.61	
11 41 23 00-0286 EA Super Door Package, For 60" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	870.61	
11 41 23 00-0287 EA 14" x 24" Observation Window, Heated.....	939.89	
11 41 23 00-0288 EA Heated Air Vent, Kason.....	388.06	
11 41 23 00-0289 EA Heated Air Vent, Bally Polyvinyl Chloride (PVC).....	813.76	
11 41 23 00-0290 EA Interior Ramps For 36" Or 42" Wide Doors.....	1,120.61	
11 41 23 00-0291 EA Interior Ramps For 48" Wide Doors.....	1,220.47	
11 41 23 00-0292 EA Interior Ramps For 60" Wide Doors.....	1,336.09	
11 41 23 00-0293 EA Exterior Ramps For 36" Or 42" Wide Doors.....	483.64	
11 41 23 00-0294 EA Exterior Ramps For 48" Wide Doors.....	845.22	
11 41 23 00-0295 EA Exterior Ramps For 60" Wide Doors.....	845.22	
11 41 23 00-0296 EA Field Installed Extra Vapor-Proof Lights.....	136.74	
11 41 23 00-0297 EA Field Installed Fluorescent Lights, 48", 2 Tubes.....	511.98	
11 41 23 00-0298 EA Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted).....	1,090.09	
11 41 23 00-0299 EA Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted).....	1,143.70	
11 41 23 00-0300 EA Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted).....	564.54	
11 41 23 00-0301 EA Locking Devices, 36" Or 42" Wide Locking Bar.....	334.35	
11 41 23 00-0302 EA Locking Devices, 48" Wide Locking Bar.....	376.39	
11 41 23 00-0303 EA Locking Devices, 60" Wide Locking Bar.....	376.39	
11 41 23 00-0304 EA Locking Devices, Mortise Dead Bolt (Cooler).....	641.27	
11 41 23 00-0305 EA Locking Devices, Mortise Dead Bolt (Freezer).....	780.02	
11 41 23 00-0306 EA Blast Freezer Kit, For 36" Or 42" Wide Doors.....	1,250.95	
11 41 23 00-0307 EA Blast Freezer Kit, For 48" Wide Doors.....	1,318.22	
11 41 23 00-0308 EA Blast Freezer Kit, For 60" Wide Doors.....	1,353.96	
11 41 23 00-0309 EA Hardware Options, Polished For 36" Or 42" Door.....	57.81	
11 41 23 00-0310 EA Hardware Options, Polished For 48" Or 60" Door.....	47.30	
11 41 23 00-0311 EA Hardware Options, Chrome For 36" Or 42" Door.....	146.10	
11 41 23 00-0312 EA Hardware Options, Chrome For 48" Or 60" Door.....	78.83	
11 41 23 00-0313 EA Hardware Options, Positive Latch, 36" Or 42" Door.....	198.69	
11 41 23 00-0314 EA Hardware Options, Strap Hinges, 36" Or 42" Door.....	148.23	
11 41 23 00-0315 EA 4" Scream Door.....	432.20	
11 41 23 00-0316 EA Doors Cut For Tile.....	507.88	
11 41 23 00-0317 EA 84" High Doors (36" Wide).....	507.88	
11 41 23 00-0318 EA Doors Raised Or Lowered In Panel.....	1,063.92	
11 41 23 00-0319 EA 57-1/2" Door Section.....	351.27	
11 41 23 00-0320 EA 3 Way, Interior And Exterior, Light Switches.....	276.54	
11 41 23 00-0321 EA 3 Way (1 Side Only) Light Switch.....	141.32	
11 41 23 00-0322 EA Structural Support, 5" Reinforcing Ceilings (Every 23").....	244.97	
11 41 23 00-0323 EA Structural Support, 6" Reinforcing Ceilings (Every 23").....	303.84	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0324	LF		Structural Support, Self-Supporting Standard Angle.....	33.34	
11 41 23 00-0325	LF		Structural Support, Self-Supporting 6" Channel.....	42.01	
11 41 23 00-0326	LF		Structural Support, Self-Supporting 8" Channel.....	59.09	
11 41 23 00-0327	LF		Structural Support, Self-Supporting 10" Channel.....	91.93	
11 41 23 00-0328	LF		Structural Support, Suspended Ceiling Support.....	18.61	
11 41 23 00-0329	LF		Factory Prepared Opening, Foam Cut Opening.....	6.76	
11 41 23 00-0330	LF		Factory Prepared Opening, Metal Capped Opening.....	18.39	
11 41 23 00-0331	LF		Factory Prepared Opening, Wood Framed Opening.....	28.01	
11 41 23 00-0332	LF		Factory Prepared Opening, Metal Capped Wood Framed Opening.....	28.38	
11 41 23 00-0333	LF		Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer).....	96.89	
11 41 23 00-0334	SF		Outdoor Weather Roofs, Aluminum Roof Caps.....	38.13	
11 41 23 00-0335	SF		Outdoor Weather Roofs, Membrane Roof Caps.....	5.78	
11 41 23 00-0336	SF		Outdoor Weather Roofs, Painted Aluminum Roofs.....	47.36	
11 41 23 00-0337	SF		1/8" Aluminum Tread Plate.....	92.48	
11 41 23 00-0338	SF		3/16" Aluminum Tread Plate.....	112.55	
11 41 23 00-0339	EA		Digitemp Display Thermometer (Indoor Exterior Wall).....	255.89	
11 41 23 00-0340	EA		4-1/2" Dial Type Thermometer With 5' Cap Tube.....	231.71	
11 41 23 00-0341	EA		6" Dial Type Thermometer With 5' Cap Tube.....	705.76	
11 41 23 00-0342	EA		2" Dial Type Thermometer (Standard).....	92.97	
11 41 23 00-0343	LF		Extra Capillary Tubing.....	9.78	
11 41 23 00-0344			Partition Wall For Walk-In Refrigerated Boxes <small>(11 41 23 00-0282)</small>		
			Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.		
11 41 23 00-0345	EA		5'-10" Length Partition Wall, 7'-2"/7'-6" High.....	2,514.39	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	119.62	
11 41 23 00-0346	EA		6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	2,737.02	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	130.44	
11 41 23 00-0347	EA		7'-9" Length Partition Wall, 7'-2"/7'-6" High.....	2,816.70	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	134.12	
11 41 23 00-0348	EA		8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,043.54	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	145.16	
11 41 23 00-0349	EA		9'-8" Length Partition Wall, 7'-2"/7'-6" High.....	2,984.47	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	141.90	
11 41 23 00-0350	EA		10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,206.05	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	152.67	
11 41 23 00-0351	EA		11'-7" Length Partition Wall, 7'-2"/7'-6" High.....	3,275.22	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	155.83	
11 41 23 00-0352	EA		12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,589.30	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	171.23	
11 41 23 00-0353	EA		13'-6" Length Partition Wall, 7'-2"/7'-6" High.....	3,454.56	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	164.18	
11 41 23 00-0354	EA		14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,677.19	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	175.01	
11 41 23 00-0355	EA		15'-5" Length Partition Wall, 7'-2"/7'-6" High.....	3,762.12	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	178.95	
11 41 23 00-0356	EA		16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High.....	3,985.80	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	189.83	
11 41 23 00-0357	EA		17'-4" Length Partition Wall, 7'-2"/7'-6" High.....	4,582.75	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	219.37	
11 41 23 00-0358	EA		5'-10" Length Partition Wall, 8'-2"/8'-6" High.....	2,739.32	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	130.86	
11 41 23 00-0359	EA		6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	2,928.32	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	140.01	
11 41 23 00-0360	EA		7'-9" Length Partition Wall, 8'-2"/8'-6" High.....	3,021.67	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	144.37	
11 41 23 00-0361	EA		8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	3,272.68	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	156.62	
11 41 23 00-0362	EA		9'-8" Length Partition Wall, 8'-2"/8'-6" High.....	3,201.00	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	152.73	
11 41 23 00-0363	EA		10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	3,450.96	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	164.92	



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0364	EA		11'-7" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,545.36	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	169.33	
11 41 23 00-0365	EA		12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,795.31	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	181.53	
11 41 23 00-0366	EA		13'-6" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,723.64	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	177.64	
11 41 23 00-0367	EA		14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,973.60	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	189.83	
11 41 23 00-0368	EA		15'-5" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	4,067.99	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	194.25	
11 41 23 00-0369	EA		16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	4,317.95	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	206.44	
11 41 23 00-0370	EA		17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	4,246.27	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	202.55	
11 41 23 00-0371			Glass Doors For Walk-In Refrigerated Boxes <small>(11 41 23 00-0282)</small> Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0372	EA		23" x 67" Glass Door, Displayrite, Coolrite Model	1,043.75	
11 41 23 00-0373	EA		23" x 73" Glass Door, Displayrite, Coolrite Model	1,140.45	
11 41 23 00-0374	EA		30" x 67" Glass Door, Displayrite, Coolrite Model	1,149.91	
11 41 23 00-0375	EA		30" x 73" Glass Door, Displayrite, Coolrite Model	1,271.84	
11 41 23 00-0376	EA		23" x 67" Glass Door, Displayrite, Freezerite Model	1,395.87	
11 41 23 00-0377	EA		23" x 73" Glass Door, Displayrite, Freezerite Model	1,484.17	
11 41 23 00-0378	EA		30" x 67" Glass Door, Displayrite, Freezerite Model	1,489.42	
11 41 23 00-0379	EA		30" x 73" Glass Door, Displayrite, Freezerite Model	1,733.28	
11 41 23 00-0380	EA		24" x 67" Glass Door, Anthony Model 101	1,419.00	
11 41 23 00-0381	EA		26" x 67" Glass Door, Anthony Model 101	1,757.46	
11 41 23 00-0382	EA		30" x 67" Glass Door, Anthony Model 101	1,876.23	
11 41 23 00-0383	EA		30x75 Glass Door, Anthony Model 101	1,916.17	
11 41 23 00-0384	EA		24" x 67" Glass Door, Anthony Model 101	2,161.08	
11 41 23 00-0385	EA		26" x 67" Glass Door, Anthony Model 101	2,398.63	
11 41 23 00-0386	EA		30" x 67" Glass Door, Anthony Model 101	2,442.78	
11 41 23 00-0387	EA		30" x 75" Glass Door, Anthony Model 101	2,605.70	
11 41 23 00-0388	EA		23" x 67" Glass Door, Anthony Model 401	1,120.48	
11 41 23 00-0389	EA		26-3/4" x 67" Glass Door, Anthony Model 401	1,180.40	
11 41 23 00-0390	EA		30-1/4" x 67" Glass Door, Anthony Model 401	1,587.18	
11 41 23 00-0391	EA		30-1/4" x 75" Glass Door, Anthony Model 401	1,361.19	
11 41 23 00-0392	EA		23" x 67" Glass Door, Anthony Model 401	1,511.50	
11 41 23 00-0393	EA		26-3/4" x 67" Glass Door, Anthony Model 401	1,581.92	
11 41 23 00-0394	EA		30-1/4" x 67" Glass Door, Anthony Model 401	1,587.18	
11 41 23 00-0395	EA		30-1/4" x 75" Glass Door, Anthony Model 401	1,889.90	
11 41 23 00-0396			Modular Wire Shelving For Walk-In Refrigerated Boxes <small>(11 41 23 00-0282)</small>		
11 41 23 00-0397	EA		14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	415.28 402.00	
11 41 23 00-0398	EA		14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	438.20 402.00	
11 41 23 00-0399	EA		14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	486.35 402.00	
11 41 23 00-0400	EA		14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	513.49 402.00	
11 41 23 00-0401	EA		14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	559.32 402.00	
11 41 23 00-0402	EA		18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	476.04 402.00	
11 41 23 00-0403	EA		18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	489.51 402.00	
11 41 23 00-0404	EA		18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	538.71 402.00	
11 41 23 00-0405	EA		18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	563.73 402.00	
11 41 23 00-0406	EA		18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	642.15 402.00	
11 41 23 00-0407	EA		21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	517.89 402.00	
11 41 23 00-0408	EA		21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	526.10 402.00	
11 41 23 00-0409	EA		21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	596.32 402.00	
11 41 23 00-0410	EA		21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	602.42 402.00	
11 41 23 00-0411	EA		21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	691.36 402.00	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0412	EA		14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	360.62	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0413	EA		14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	379.34	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0414	EA		14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	414.88	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0415	EA		14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	425.19	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0416	EA		14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	483.64	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0417	EA		18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	396.16	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0418	EA		18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	424.34	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0419	EA		18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	449.37	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0420	EA		18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	457.57	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0421	EA		18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	535.99	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0422	EA		21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	433.80	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0423	EA		21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	451.47	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0424	EA		21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	483.85	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0425	EA		21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	502.56	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0426	EA		21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	583.09	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0427	EA		14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	1,815.11	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0428	EA		14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,024.39	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0429	EA		14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,065.54	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0430	EA		14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,106.68	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0431	EA		14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,546.27	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0432	EA		18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	1,905.29	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0433	EA		18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,023.50	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0434	EA		18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,239.80	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0435	EA		18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,329.98	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0436	EA		18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,846.64	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0437	EA		21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,058.53	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0438	EA		21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,246.81	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0439	EA		21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,463.10	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0440	EA		21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	2,553.27	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0441	EA		21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts.....	3,238.10	
			<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0442	EA		14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	490.36	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0443	EA		14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	528.00	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0444	EA		14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	570.88	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0445	EA		14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	610.62	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0446	EA		14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	662.77	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0447	EA		18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	575.30	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0448	EA		18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	590.86	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0449	EA		18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	649.51	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0450	EA		18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	680.85	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0451	EA		18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	775.03	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0452	EA		21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	625.54	
			<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0453	EA		21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts.....	646.36	
			<i>For Cantilever Shelving, Add</i>	472.00	



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0454	EA		21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	712.38 472.00	
11 41 23 00-0455	EA		21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	728.99 472.00	
11 41 23 00-0456	EA		21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	833.70 472.00	
11 41 23 00-0457	EA		14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	424.14 472.00	
11 41 23 00-0458	EA		14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	446.01 472.00	
11 41 23 00-0459	EA		14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	488.90 472.00	
11 41 23 00-0460	EA		14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	500.25 472.00	
11 41 23 00-0461	EA		14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	570.27 472.00	
11 41 23 00-0462	EA		18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	476.49 472.00	
11 41 23 00-0463	EA		18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	508.87 472.00	
11 41 23 00-0464	EA		18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	575.93 472.00	
11 41 23 00-0465	EA		18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	573.63 472.00	
11 41 23 00-0466	EA		18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	640.49 472.00	
11 41 23 00-0467	EA		21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	521.48 472.00	
11 41 23 00-0468	EA		21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	542.30 472.00	
11 41 23 00-0469	EA		21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	582.04 472.00	
11 41 23 00-0470	EA		21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	602.86 472.00	
11 41 23 00-0471	EA		21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	701.26 472.00	
11 41 23 00-0472	EA		14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,215.28 472.00	
11 41 23 00-0473	EA		14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,475.36 472.00	
11 41 23 00-0474	EA		14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,525.25 472.00	
11 41 23 00-0475	EA		14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,575.14 472.00	
11 41 23 00-0476	EA		14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,121.58 472.00	
11 41 23 00-0477	EA		18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,326.47 472.00	
11 41 23 00-0478	EA		18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,472.70 472.00	
11 41 23 00-0479	EA		18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,741.54 472.00	
11 41 23 00-0480	EA		18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,852.75 472.00	
11 41 23 00-0481	EA		18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,495.52 472.00	
11 41 23 00-0482	EA		21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,516.49 472.00	
11 41 23 00-0483	EA		21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,750.30 472.00	
11 41 23 00-0484	EA		21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,019.15 472.00	
11 41 23 00-0485	EA		21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,130.34 472.00	
11 41 23 00-0486	EA		21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,983.32 472.00	

11 41 31 Non-Refrigerated Storage Equipment (11 41)

11 41 31 00-0001			Wall Cabinets <small>(11 41 31)</small>		
11 41 31 00-0002	EA		48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	2,274.26	94.65
11 41 31 00-0003	EA		72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	3,000.82	124.95
11 41 31 00-0004	EA		72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	3,444.29	143.25
11 41 31 00-0005	EA		72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	2,204.28	91.38
11 41 31 00-0006			Mobile Sheet Pan Truck <small>(11 41 31)</small>		
11 41 31 00-0007	EA		2 Level Mobile Sheet Pan Truck	214.07	9.23

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 31 00-0008			Pot And Utensil Rack <small>(11 41 31)</small>		
11 41 31 00-0009	EA		70" Bench Type Pot And Utensil Rack.....	625.09	28.14
11 41 31 00-0010	EA		94" Bench Type Pot And Utensil Rack.....	724.11	31.80
11 41 31 00-0011	EA		94" Ceiling Type Pot And Utensil Rack.....	860.97	38.10
11 41 31 00-0012	EA		96" Wall Type Pot And Utensil Rack.....	468.26	20.81
11 41 31 00-0013			Tray And Silverware Cart <small>(11 41 31)</small>		
11 41 31 00-0014	EA		33" x 22-1/2" x 42" Tray And Silverware Cart.....	2,160.94	94.96
11 41 31 00-0015			Flat Top Utility Units <small>(11 41 31)</small>		
11 41 31 00-0016	EA		39" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,473.42	64.92
11 41 31 00-0017	EA		79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,974.38	86.76
11 41 33			Foodservice Shelving <small>(11 41)</small>		
11 41 33 00-0001			Shelving/Racks <small>(11 41 33)</small>		
11 41 33 00-0002			Chrome Shelving Units <small>(11 41 33 00-0001)</small>		
11 41 33 00-0003			54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit <small>(11 41 33 00-0002)</small>		
11 41 33 00-0004	EA		14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	347.15	34.70
11 41 33 00-0005	EA		14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	367.02	34.98
11 41 33 00-0006	EA		14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	391.70	35.27
11 41 33 00-0007	EA		14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	406.88	35.57
11 41 33 00-0008	EA		14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	436.21	35.85
11 41 33 00-0009	EA		14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	460.98	36.14
11 41 33 00-0010	EA		14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	480.85	36.42
11 41 33 00-0011	EA		14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	525.40	36.99
11 41 33 00-0012	EA		18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	381.27	34.98
11 41 33 00-0013	EA		18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	396.45	35.27
11 41 33 00-0014	EA		18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	411.66	35.57
11 41 33 00-0015	EA		18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	455.34	35.85
11 41 33 00-0016	EA		18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	484.77	36.14
11 41 33 00-0017	EA		18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	523.67	36.42
11 41 33 00-0018	EA		18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	538.77	36.71
11 41 33 00-0019	EA		18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	592.96	37.28
11 41 33 00-0020	EA		21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	401.24	35.27
11 41 33 00-0021	EA		21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	435.35	35.57
11 41 33 00-0022	EA		21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	460.12	35.85
11 41 33 00-0023	EA		21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	489.46	36.14
11 41 33 00-0024	EA		21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	509.42	36.42
11 41 33 00-0025	EA		21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	557.90	36.71
11 41 33 00-0026	EA		21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	582.55	36.99
11 41 33 00-0027	EA		21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	646.19	37.57
11 41 33 00-0028	EA		24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	445.01	35.57
11 41 33 00-0029	EA		24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	464.91	35.85
11 41 33 00-0030	EA		24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	479.99	36.14
11 41 33 00-0031	EA		24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	518.99	36.42
11 41 33 00-0032	EA		24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	543.65	36.71
11 41 33 00-0033	EA		24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	592.11	36.99
11 41 33 00-0034	EA		24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	626.22	37.28
11 41 33 00-0035	EA		24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	708.98	37.85
11 41 33 00-0036	EA		30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	598.23	35.85
11 41 33 00-0037	EA		30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	675.14	36.14
11 41 33 00-0038	EA		30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	723.70	36.42
11 41 33 00-0039	EA		30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	834.10	36.71
11 41 33 00-0040	EA		36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	663.50	36.99
11 41 33 00-0041	EA		36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	735.84	37.28
11 41 33 00-0042	EA		36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	827.04	37.57
11 41 33 00-0043	EA		36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	974.67	38.14
11 41 33 00-0044			63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit <small>(11 41 33 00-0002)</small>		
11 41 33 00-0045	EA		14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	351.84	34.70
11 41 33 00-0046	EA		14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	371.71	34.98
11 41 33 00-0047	EA		14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	396.36	35.27
11 41 33 00-0048	EA		14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	411.56	35.57
11 41 33 00-0049	EA		14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	440.90	35.85
11 41 33 00-0050	EA		14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	465.65	36.14
11 41 33 00-0051	EA		14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	485.54	36.42
11 41 33 00-0052	EA		14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	530.06	36.99
11 41 33 00-0053	EA		18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	385.93	34.98
11 41 33 00-0054	EA		18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	401.14	35.27
11 41 33 00-0055	EA		18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	416.35	35.57
11 41 33 00-0056	EA		18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	460.00	35.85
11 41 33 00-0057	EA		18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	489.46	36.14



	Equipment	11
	Foodservice Equipment	11 40
	Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0058	EA		18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	528.33	36.42
11 41 33 00-0059	EA		18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	543.45	36.71
11 41 33 00-0060	EA		18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	551.37	37.28
11 41 33 00-0061	EA		21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	405.92	35.27
11 41 33 00-0062	EA		21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	440.04	35.57
11 41 33 00-0063	EA		21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	464.79	35.85
11 41 33 00-0064	EA		21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	494.12	36.14
11 41 33 00-0065	EA		21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	514.11	36.42
11 41 33 00-0066	EA		21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	562.56	36.71
11 41 33 00-0067	EA		21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	587.23	36.99
11 41 33 00-0068	EA		21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	650.88	37.57
11 41 33 00-0069	EA		24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	449.70	35.57
11 41 33 00-0070	EA		24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	469.57	35.85
11 41 33 00-0071	EA		24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	484.68	36.14
11 41 33 00-0072	EA		24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	523.67	36.42
11 41 33 00-0073	EA		24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	548.33	36.71
11 41 33 00-0074	EA		24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	596.77	36.99
11 41 33 00-0075	EA		24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	630.88	37.28
11 41 33 00-0076	EA		24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	713.66	37.85
11 41 33 00-0077	EA		30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	602.89	35.85
11 41 33 00-0078	EA		30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	679.83	36.14
11 41 33 00-0079	EA		30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	728.36	36.42
11 41 33 00-0080	EA		30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	838.76	36.71
11 41 33 00-0081	EA		36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	668.17	36.99
11 41 33 00-0082	EA		36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	740.51	37.28
11 41 33 00-0083	EA		36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	831.78	37.57
11 41 33 00-0084	EA		36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	979.33	38.14
11 41 33 00-0085			66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)		
11 41 33 00-0086	EA		14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	354.28	34.70
11 41 33 00-0087	EA		14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	374.15	34.98
11 41 33 00-0088	EA		14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	398.80	35.27
11 41 33 00-0089	EA		14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	414.00	35.57
11 41 33 00-0090	EA		14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	443.34	35.85
11 41 33 00-0091	EA		14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	468.09	36.14
11 41 33 00-0092	EA		14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	487.98	36.42
11 41 33 00-0093	EA		14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	532.50	36.99
11 41 33 00-0094	EA		18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	388.40	34.98
11 41 33 00-0095	EA		18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	403.58	35.27
11 41 33 00-0096	EA		18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	418.79	35.57
11 41 33 00-0097	EA		18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	462.47	35.85
11 41 33 00-0098	EA		18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	491.90	36.14
11 41 33 00-0099	EA		18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	530.77	36.42
11 41 33 00-0100	EA		18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	545.89	36.71
11 41 33 00-0101	EA		18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	600.09	37.28
11 41 33 00-0102	EA		21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	408.36	35.27
11 41 33 00-0103	EA		21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	442.48	35.57
11 41 33 00-0104	EA		21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	467.23	35.85
11 41 33 00-0105	EA		21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	496.56	36.14
11 41 33 00-0106	EA		21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	516.55	36.42
11 41 33 00-0107	EA		21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	565.00	36.71
11 41 33 00-0108	EA		21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	589.67	36.99
11 41 33 00-0109	EA		21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	653.32	37.57
11 41 33 00-0110	EA		24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	452.14	35.57
11 41 33 00-0111	EA		24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	472.01	35.85
11 41 33 00-0112	EA		24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	487.12	36.14
11 41 33 00-0113	EA		24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	526.11	36.42
11 41 33 00-0114	EA		24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	550.77	36.71
11 41 33 00-0115	EA		24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	599.24	36.99
11 41 33 00-0116	EA		24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	633.32	37.28
11 41 33 00-0117	EA		24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	716.10	37.85
11 41 33 00-0118	EA		30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	605.33	35.85
11 41 33 00-0119	EA		30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	682.26	36.14
11 41 33 00-0120	EA		30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	730.83	36.42
11 41 33 00-0121	EA		30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	841.20	36.71
11 41 33 00-0122	EA		36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	670.61	36.99
11 41 33 00-0123	EA		36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	742.95	37.28
11 41 33 00-0124	EA		36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	834.19	37.57
11 41 33 00-0125	EA		36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	981.77	38.14
11 41 33 00-0126			74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)		
11 41 33 00-0127	EA		14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	361.38	34.70
11 41 33 00-0128	EA		14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	381.27	34.98
11 41 33 00-0129	EA		14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	405.92	35.27
11 41 33 00-0130	EA		14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	421.13	35.57
11 41 33 00-0131	EA		14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	450.46	35.85
11 41 33 00-0132	EA		14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	475.21	36.14
11 41 33 00-0133	EA		14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	495.10	36.42
11 41 33 00-0134	EA		14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	539.63	36.99

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	395.50	34.98
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	410.70	35.27
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	425.91	35.57
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	469.57	35.85
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	499.00	36.14
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	537.90	36.42
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	553.02	36.71
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	607.19	37.28
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	415.49	35.27
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	449.60	35.57
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	474.35	35.85
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	503.69	36.14
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	523.67	36.42
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	572.12	36.71
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	596.77	36.99
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	660.44	37.57
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	459.26	35.57
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	479.13	35.85
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	494.24	36.14
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	533.21	36.42
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	557.90	36.71
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	606.34	36.99
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	640.44	37.28
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	723.23	37.85
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	612.45	35.85
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	689.39	36.14
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	737.93	36.42
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	848.33	36.71
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	677.73	36.99
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	750.07	37.28
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	841.34	37.57
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	988.89	38.14

11 41 33 00-0167 86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	380.41	34.70
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	400.28	34.98
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	424.93	35.27
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	440.14	35.57
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	469.47	35.85
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	494.24	36.14
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	514.11	36.42
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	558.66	36.99
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	414.53	34.98
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	429.71	35.27
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	444.92	35.57
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	488.60	35.85
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	518.03	36.14
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	556.93	36.42
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	572.03	36.71
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	626.22	37.28
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	434.49	35.27
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	468.61	35.57
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	493.38	35.85
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	522.69	36.14
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	542.68	36.42
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	591.15	36.71
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	615.80	36.99
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	679.45	37.57
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	478.27	35.57
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	498.14	35.85
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	513.25	36.14
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	552.25	36.42
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	576.90	36.71
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	625.37	36.99
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	659.45	37.28
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	742.24	37.85
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	631.46	35.85
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	708.40	36.14
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	756.96	36.42
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	867.33	36.71
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	696.74	36.99
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	769.08	37.28
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	860.37	37.57
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	1,007.90	38.14

11 41 33 00-0208 96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41 33 00-0209	EA	14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	450.65	34.70
11 41 33 00-0210	EA	14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	475.27	34.98
11 41 33 00-0211	EA	14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	505.89	35.27



Equipment	11	
Foodservice Equipment	11 40	↕
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0212 EA 14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	524.67	35.57
11 41 33 00-0213 EA 14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	561.13	35.85
11 41 33 00-0214 EA 14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	591.86	36.14
11 41 33 00-0215 EA 14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	616.49	36.42
11 41 33 00-0216 EA 14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	671.74	36.99
11 41 33 00-0217 EA 18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	493.07	34.98
11 41 33 00-0218 EA 18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	511.85	35.27
11 41 33 00-0219 EA 18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	530.63	35.57
11 41 33 00-0220 EA 18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	585.01	35.85
11 41 33 00-0221 EA 18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	621.60	36.14
11 41 33 00-0222 EA 18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	670.01	36.42
11 41 33 00-0223 EA 18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	688.66	36.71
11 41 33 00-0224 EA 18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	755.96	37.28
11 41 33 00-0225 EA 21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	517.84	35.27
11 41 33 00-0226 EA 21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	560.27	35.57
11 41 33 00-0227 EA 21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	591.00	35.85
11 41 33 00-0228 EA 21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	627.44	36.14
11 41 33 00-0229 EA 21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	652.21	36.42
11 41 33 00-0230 EA 21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	712.57	36.71
11 41 33 00-0231 EA 21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	743.18	36.99
11 41 33 00-0232 EA 21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	822.31	37.57
11 41 33 00-0233 EA 24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	572.34	35.57
11 41 33 00-0234 EA 24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	596.97	35.85
11 41 33 00-0235 EA 24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	615.63	36.14
11 41 33 00-0236 EA 24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	664.17	36.42
11 41 33 00-0237 EA 24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	694.77	36.71
11 41 33 00-0238 EA 24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	755.11	36.99
11 41 33 00-0239 EA 24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	797.53	37.28
11 41 33 00-0240 EA 24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	900.58	37.85
11 41 33 00-0241 EA 30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	763.62	35.85
11 41 33 00-0242 EA 30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	859.56	36.14
11 41 33 00-0243 EA 30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	920.03	36.42
11 41 33 00-0244 EA 30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,057.82	36.71
11 41 33 00-0245 EA 36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	844.35	36.99
11 41 33 00-0246 EA 36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	934.57	37.28
11 41 33 00-0247 EA 36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,048.44	37.57
11 41 33 00-0248 EA 36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,232.44	38.14
11 41 33 00-0249 Galvanized Shelving Units (11 41 33 00-0001)		
11 41 33 00-0250 54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0251 EA 14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	381.09	34.70
11 41 33 00-0252 EA 14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	401.33	34.98
11 41 33 00-0253 EA 14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	426.53	35.27
11 41 33 00-0254 EA 14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	446.78	35.57
11 41 33 00-0255 EA 14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	476.83	35.85
11 41 33 00-0256 EA 14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	501.92	36.14
11 41 33 00-0257 EA 14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	527.11	36.42
11 41 33 00-0258 EA 14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	567.62	36.99
11 41 33 00-0259 EA 18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	415.88	34.98
11 41 33 00-0260 EA 18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	431.39	35.27
11 41 33 00-0261 EA 18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	461.33	35.57
11 41 33 00-0262 EA 18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	496.22	35.85
11 41 33 00-0263 EA 18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	526.25	36.14
11 41 33 00-0264 EA 18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	565.89	36.42
11 41 33 00-0265 EA 18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	595.95	36.71
11 41 33 00-0266 EA 18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	641.46	37.28
11 41 33 00-0267 EA 21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	436.22	35.27
11 41 33 00-0268 EA 21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	475.97	35.57
11 41 33 00-0269 EA 21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	501.06	35.85
11 41 33 00-0270 EA 21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	531.11	36.14
11 41 33 00-0271 EA 21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	551.36	36.42
11 41 33 00-0272 EA 21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	605.65	36.71
11 41 33 00-0273 EA 21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	630.84	36.99
11 41 33 00-0274 EA 21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	705.37	37.57
11 41 33 00-0275 EA 24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	485.67	35.57
11 41 33 00-0276 EA 24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	505.91	35.85
11 41 33 00-0277 EA 24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	521.42	36.14
11 41 33 00-0278 EA 24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	561.05	36.42
11 41 33 00-0279 EA 24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	605.65	36.71
11 41 33 00-0280 EA 24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	655.07	36.99
11 41 33 00-0281 EA 24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	694.80	37.28
11 41 33 00-0282 EA 24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	783.98	37.85
11 41 33 00-0283 63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0284 EA 14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	390.78	34.70
11 41 33 00-0285 EA 14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	411.03	34.98
11 41 33 00-0286 EA 14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	436.22	35.27
11 41 33 00-0287 EA 14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	456.47	35.57

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0288	EA		14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	486.53	35.85
11 41 33 00-0289	EA		14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	511.61	36.14
11 41 33 00-0290	EA		14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	536.81	36.42
11 41 33 00-0291	EA		14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	577.31	36.99
11 41 33 00-0292	EA		18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	425.58	34.98
11 41 33 00-0293	EA		18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	441.08	35.27
11 41 33 00-0294	EA		18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	471.02	35.57
11 41 33 00-0295	EA		18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	505.91	35.85
11 41 33 00-0296	EA		18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	535.95	36.14
11 41 33 00-0297	EA		18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	575.58	36.42
11 41 33 00-0298	EA		18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	605.65	36.71
11 41 33 00-0299	EA		18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	651.08	37.28
11 41 33 00-0300	EA		21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	445.92	35.27
11 41 33 00-0301	EA		21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	485.67	35.57
11 41 33 00-0302	EA		21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	510.75	35.85
11 41 33 00-0303	EA		21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	540.80	36.14
11 41 33 00-0304	EA		21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	561.05	36.42
11 41 33 00-0305	EA		21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	615.34	36.71
11 41 33 00-0306	EA		21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	640.54	36.99
11 41 33 00-0307	EA		21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	715.06	37.57
11 41 33 00-0308	EA		24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	495.36	35.57
11 41 33 00-0309	EA		24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	515.61	35.85
11 41 33 00-0310	EA		24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	531.11	36.14
11 41 33 00-0311	EA		24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	570.75	36.42
11 41 33 00-0312	EA		24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	615.34	36.71
11 41 33 00-0313	EA		24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	664.76	36.99
11 41 33 00-0314	EA		24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	704.50	37.28
11 41 33 00-0315	EA		24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	793.68	37.85
11 41 33 00-0316 74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)					
11 41 33 00-0317	EA		14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	400.47	34.70
11 41 33 00-0318	EA		14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	420.72	34.98
11 41 33 00-0319	EA		14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	445.92	35.27
11 41 33 00-0320	EA		14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	466.16	35.57
11 41 33 00-0321	EA		14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	496.22	35.85
11 41 33 00-0322	EA		14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	521.30	36.14
11 41 33 00-0323	EA		14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	546.50	36.42
11 41 33 00-0324	EA		14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	587.00	36.99
11 41 33 00-0325	EA		18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	435.27	34.98
11 41 33 00-0326	EA		18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	450.78	35.27
11 41 33 00-0327	EA		18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	480.72	35.57
11 41 33 00-0328	EA		18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	515.61	35.85
11 41 33 00-0329	EA		18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	545.64	36.14
11 41 33 00-0330	EA		18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	585.27	36.42
11 41 33 00-0331	EA		18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	615.34	36.71
11 41 33 00-0332	EA		18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	660.77	37.28
11 41 33 00-0333	EA		21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	455.61	35.27
11 41 33 00-0334	EA		21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	495.36	35.57
11 41 33 00-0335	EA		21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	520.44	35.85
11 41 33 00-0336	EA		21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	550.50	36.14
11 41 33 00-0337	EA		21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	570.75	36.42
11 41 33 00-0338	EA		21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	625.03	36.71
11 41 33 00-0339	EA		21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	650.23	36.99
11 41 33 00-0340	EA		21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	724.76	37.57
11 41 33 00-0341	EA		24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	505.05	35.57
11 41 33 00-0342	EA		24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	525.30	35.85
11 41 33 00-0343	EA		24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	540.80	36.14
11 41 33 00-0344	EA		24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	580.44	36.42
11 41 33 00-0345	EA		24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	625.03	36.71
11 41 33 00-0346	EA		24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	674.45	36.99
11 41 33 00-0347	EA		24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	714.19	37.28
11 41 33 00-0348	EA		24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	803.37	37.85
11 41 33 00-0349 86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)					
11 41 33 00-0350	EA		14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	424.81	34.70
11 41 33 00-0351	EA		14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	445.06	34.98
11 41 33 00-0352	EA		14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	470.25	35.27
11 41 33 00-0353	EA		14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	490.50	35.57
11 41 33 00-0354	EA		14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	520.56	35.85
11 41 33 00-0355	EA		14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	545.64	36.14
11 41 33 00-0356	EA		14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	570.84	36.42
11 41 33 00-0357	EA		14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	611.34	36.99
11 41 33 00-0358	EA		18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	459.61	34.98
11 41 33 00-0359	EA		18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	475.11	35.27
11 41 33 00-0360	EA		18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	505.05	35.57
11 41 33 00-0361	EA		18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	539.94	35.85
11 41 33 00-0362	EA		18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	569.98	36.14
11 41 33 00-0363	EA		18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	609.61	36.42
11 41 33 00-0364	EA		18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	639.68	36.71



Equipment	11	
Foodservice Equipment	11 40	⇩
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0365 EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	685.11	37.28
11 41 33 00-0366 EA 21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	479.95	35.27
11 41 33 00-0367 EA 21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	519.70	35.57
11 41 33 00-0368 EA 21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	544.78	35.85
11 41 33 00-0369 EA 21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	574.84	36.14
11 41 33 00-0370 EA 21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	595.08	36.42
11 41 33 00-0371 EA 21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	649.37	36.71
11 41 33 00-0372 EA 21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	674.57	36.99
11 41 33 00-0373 EA 21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	749.09	37.57
11 41 33 00-0374 EA 24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	529.39	35.57
11 41 33 00-0375 EA 24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	549.64	35.85
11 41 33 00-0376 EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	565.14	36.14
11 41 33 00-0377 EA 24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	604.78	36.42
11 41 33 00-0378 EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	649.37	36.71
11 41 33 00-0379 EA 24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	698.79	36.99
11 41 33 00-0380 EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	738.53	37.28
11 41 33 00-0381 EA 24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	827.71	37.85
11 41 33 00-0382 54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0383 EA 18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	738.20	35.57
11 41 33 00-0384 EA 18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	812.82	36.14
11 41 33 00-0385 EA 18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	911.69	36.71
11 41 33 00-0386 EA 18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	971.68	37.28
11 41 33 00-0387 EA 24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	807.89	36.14
11 41 33 00-0388 EA 24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	935.94	36.71
11 41 33 00-0389 EA 24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	1,034.79	37.28
11 41 33 00-0390 EA 24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	1,182.22	37.85
11 41 33 00-0391 63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0392 EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	747.90	35.57
11 41 33 00-0393 EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	822.54	36.14
11 41 33 00-0394 EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	921.39	36.71
11 41 33 00-0395 EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	981.37	37.28
11 41 33 00-0396 EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	817.59	36.14
11 41 33 00-0397 EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	945.63	36.71
11 41 33 00-0398 EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	1,044.49	37.28
11 41 33 00-0399 EA 24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	1,191.92	37.85
11 41 33 00-0400 74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0401 EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	757.59	35.57
11 41 33 00-0402 EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	832.23	36.14
11 41 33 00-0403 EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	931.10	36.71
11 41 33 00-0404 EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	991.07	37.28
11 41 33 00-0405 EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	827.28	36.14
11 41 33 00-0406 EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	955.33	36.71
11 41 33 00-0407 EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	1,054.18	37.28
11 41 33 00-0408 EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	1,201.63	37.85
11 41 33 00-0409 86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0410 EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	781.93	35.57
11 41 33 00-0411 EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	856.55	36.14
11 41 33 00-0412 EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	955.42	36.71
11 41 33 00-0413 EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	1,015.41	37.28
11 41 33 00-0414 EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	851.62	36.14
11 41 33 00-0415 EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	979.66	36.71
11 41 33 00-0416 EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	1,078.52	37.28
11 41 33 00-0417 EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	1,225.95	37.85
11 41 33 00-0418 Stainless Steel Shelving Unit (11 41 33 00-0001)		
11 41 33 00-0419 63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0420 EA 18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	829.18	35.57
11 41 33 00-0421 EA 18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	967.27	36.14
11 41 33 00-0422 EA 18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,141.84	36.71
11 41 33 00-0423 EA 18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,324.65	37.28
11 41 33 00-0424 EA 24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	978.85	36.14
11 41 33 00-0425 EA 24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,137.29	36.71
11 41 33 00-0426 EA 24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,344.98	37.28
11 41 33 00-0427 EA 24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,619.39	37.85
11 41 33 00-0428 74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0429 EA 18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	858.20	35.57
11 41 33 00-0430 EA 18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	996.29	36.14

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0431 EA 18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,174.98	36.71
11 41 33 00-0432 EA 18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,353.65	37.28
11 41 33 00-0433 EA 24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,007.87	36.14
11 41 33 00-0434 EA 24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,166.29	36.71
11 41 33 00-0435 EA 24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,373.98	37.28
11 41 33 00-0436 EA 24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,648.40	37.85
11 41 33 00-0437 86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0438 EA 18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	887.20	35.57
11 41 33 00-0439 EA 18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,025.30	36.14
11 41 33 00-0440 EA 18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,203.99	36.71
11 41 33 00-0441 EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,382.67	37.28
11 41 33 00-0442 EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,036.88	36.14
11 41 33 00-0443 EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,195.31	36.71
11 41 33 00-0444 EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,403.00	37.28
11 41 33 00-0445 EA 24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,677.41	37.85
11 41 33 00-0446 63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0447 EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,578.55	35.57
11 41 33 00-0448 EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,747.66	36.14
11 41 33 00-0449 EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,972.34	36.71
11 41 33 00-0450 EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,107.83	37.28
11 41 33 00-0451 EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,895.92	36.14
11 41 33 00-0452 EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,237.66	36.71
11 41 33 00-0453 EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,486.75	37.28
11 41 33 00-0454 EA 24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,859.53	37.85
11 41 33 00-0455 74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0456 EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,627.11	35.57
11 41 33 00-0457 EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,799.17	36.14
11 41 33 00-0458 EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,027.83	36.71
11 41 33 00-0459 EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,165.62	37.28
11 41 33 00-0460 EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,944.50	36.14
11 41 33 00-0461 EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,286.22	36.71
11 41 33 00-0462 EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,538.05	37.28
11 41 33 00-0463 EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,915.02	37.85
11 41 33 00-0464 86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0465 EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,675.69	35.57
11 41 33 00-0466 EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,846.81	36.14
11 41 33 00-0467 EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,074.27	36.71
11 41 33 00-0468 EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,211.42	37.28
11 41 33 00-0469 EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,993.06	36.14
11 41 33 00-0470 EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,334.80	36.71
11 41 33 00-0471 EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,585.07	37.28
11 41 33 00-0472 EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,959.59	37.85
11 41 33 00-0473 Galvanized Steel Dunnage Rack (11 41 33 00-0001)		
11 41 33 00-0474 EA 18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	254.55	25.58
11 41 33 00-0475 EA 18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	268.37	26.29
11 41 33 00-0476 EA 18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	284.15	27.00
11 41 33 00-0477 EA 18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	313.54	27.71
11 41 33 00-0478 EA 18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	339.04	28.42
11 41 33 00-0479 EA 24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	274.01	25.58
11 41 33 00-0480 EA 24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	299.50	26.29
11 41 33 00-0481 EA 24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	315.28	27.00
11 41 33 00-0482 EA 24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	342.73	27.71
11 41 33 00-0483 EA 24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	374.06	28.42
11 41 33 00-0484 Stainless Steel Dunnage Rack (11 41 33 00-0001)		
11 41 33 00-0485 EA 18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	689.66	27.00
11 41 33 00-0486 EA 18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	865.60	27.71
11 41 33 00-0487 EA 18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,465.62	28.42
11 41 33 00-0488 EA 24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	754.72	27.00
11 41 33 00-0489 EA 24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	940.93	27.71
11 41 33 00-0490 EA 24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,598.59	28.42
11 41 33 00-0491 Mobile Racks (11 41 33 00-0001)		
11 41 33 00-0492 EA Mobile Rack With Pan Slide	1,809.07	43.06
11 41 33 00-0493 Can Racks (11 41 33 00-0001)		



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0494 EA 27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack Note: 156 #10 cans capacity	3,894.65	43.06
11 42 Food Preparation Equipment (11 40)		
11 42 13 Food Preparation Appliances (11 42)		
11 42 13 00-0001 Vertical Cutter Mixers (11 42 13)		
11 42 13 00-0002 EA Bench Type Mixers, 25 Quart	10,714.09	268.86
11 42 13 00-0003 EA Bench Type Mixers, 40 Quart	12,382.87	298.74
11 42 13 00-0004 EA Bench Type Mixers, 80 Quart	15,398.64	430.18
11 42 13 00-0005 EA Bench Type Mixers, 130 Quart	17,229.10	537.72
11 42 13 00-0006 Choppers (11 42 13)		
11 42 13 00-0007 EA Choppers, 5 LB	2,769.87	238.99
11 42 13 00-0008 EA Choppers, 16 LB	4,056.56	310.69
11 42 13 00-0009 EA Choppers, 35 LB - 40 LB	7,742.96	382.37
11 42 13 00-0010 EA Choppers, 35 LB - 40 LB/Min, 2 HP	6,405.54	339.72
11 42 13 00-0011 EA Choppers, 35 LB - 40 LB/Min, 3 HP	7,248.56	339.72
11 42 13 00-0012 Stand Model Mixer (11 42 13)		
11 42 13 00-0013 EA 10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10)	1,300.48	96.59
11 42 13 00-0014 EA 20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20)	1,617.30	96.59
11 42 13 00-0015 EA 10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10)	4,265.94	96.59
11 42 13 00-0016 EA 20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1)	9,033.05	113.52
11 42 13 00-0017 Floor Model Mixer (11 42 13)		
11 42 13 00-0018 EA 30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30)	3,359.83	96.59
11 42 13 00-0019 EA 40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40)	4,648.61	107.34
11 42 13 00-0020 EA 60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60)	8,002.04	120.75
11 42 13 00-0021 EA 30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1)	17,147.81	113.52
11 42 13 00-0022 EA 40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1)	21,048.08	116.50
11 42 13 00-0023 EA 60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1)	26,801.03	119.49
11 42 13 00-0024 EA 80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1)	39,572.95	149.36
11 42 13 00-0025 EA 140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1)	50,691.45	191.19
11 42 13 00-0026 Slicers (11 42 13)		
11 42 13 00-0027 EA 1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312)	715.14	30.19
11 42 13 00-0028 EA 1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512)	1,041.23	30.19
11 42 13 00-0029 EA 1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN)	1,499.58	30.19
11 42 13 00-0030 EA 1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A)	2,547.22	30.19
11 42 13 00-0031 EA 3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A)	2,809.13	30.19
11 42 13 00-0032 EA 1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11)	6,580.22	30.19
11 42 13 00-0033 Peelers (11 42 13)		
11 42 13 00-0034 EA 22 Lb, 120 Voltage, Potato Peeler (Sammic PI-10)	3,605.30	194.18
11 42 13 00-0035 EA 44 Lb, 120 Voltage, Potato Peeler (Sammic PI-20)	4,168.32	226.44
11 42 13 00-0036 EA 66 Lb, 120 Voltage, Potato Peeler (Sammic PI-30)	6,430.75	258.94
11 42 13 00-0037 EA 20 Lb, 115 Voltage, Potato Peeler (Hobart 6115)	5,726.48	194.18
11 42 13 00-0038 EA 40 Lb, 115 Voltage, Potato Peeler (Hobart 6430-1)	11,558.99	226.44
11 42 13 00-0039 EA 60 Lb, 115 Voltage, Potato Peeler (Hobart 6460-1)	12,312.93	258.94
11 42 13 00-0040 Proof Boxes (11 42 13)		
11 42 13 00-0041 EA 30-1/2" x 22-1/2", Stainless Steel Proof Box	3,238.42	94.96
11 42 13 00-0042 EA 30-1/2" x 45", Stainless Steel Proof Box	5,418.94	159.15
11 42 13 00-0043 EA 30-1/2" x 45", Galvanized Proof Box	3,316.09	72.25
11 42 13 00-0044 Non-Insulated Heated Proof Cabinet (11 42 13)		
11 42 13 00-0045 EA Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet	2,061.46	91.00
11 42 13 00-0046 EA Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet	2,211.26	97.30
11 42 13 00-0047 EA Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet	2,047.45	90.27
11 42 13 00-0048 EA Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet	2,170.02	95.69

11	11 Equipment
	11 40 Foodservice Equipment
	11 42 Food Preparation Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0049			Insulated Heated Proof Cabinet <small>(11 42 13)</small>		
11 42 13 00-0050	EA		3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet.....	3,328.37	138.65
11 42 13 00-0051	EA		3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet.....	3,478.20	144.95
11 42 13 00-0052			Pass-Thru Hot Food Holding Cabinet <small>(11 42 13)</small>		
11 42 13 00-0053	EA		Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	7,316.18	250.94
11 42 13 00-0054	EA		Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	7,779.88	250.94
11 42 13 00-0055	EA		Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	9,920.17	262.88
11 42 13 00-0056	EA		Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	10,867.40	262.88
11 42 16 Food Preparation Surfaces <small>(11 42)</small>					
11 42 16 00-0001			Tables <small>(11 42 16)</small>		
11 42 16 00-0002			Baker's Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0003	EA		4' Open Base Baker's Table.....	891.06	61.81
11 42 16 00-0004	EA		10' Open Base Baker's Table.....	1,748.85	121.20
11 42 16 00-0005	EA		10' Undershelf Baker's Table.....	2,157.80	149.56
11 42 16 00-0006	EA		10' Three Drawers Baker's Table.....	2,314.37	160.59
11 42 16 00-0007	EA		10' Bins Baker's Table.....	3,405.06	236.34
11 42 16 00-0008	EA		10' Bins And Drawers Baker's Table.....	5,346.88	370.99
11 42 16 00-0009			Preparation Table, Stainless Steel, With Undershelf <small>(11 42 16 00-0001)</small>		
11 42 16 00-0010	EA		30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf.....	1,180.76	32.60
11 42 16 00-0011	EA		30" x 72" Marine Edge Stainless Steel Preparation Table With Undershelf.....	1,272.75	39.14
11 42 16 00-0012	EA		36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf.....	1,923.38	53.21
11 42 16 00-0013			Preparation Table, Stainless Steel, With Open Front <small>(11 42 16 00-0001)</small>		
11 42 16 00-0014	EA		30" X 72" Round Edge Stainless Steel Preparation Table With Open Front.....	1,243.28	34.29
11 42 16 00-0015	EA		36" X 96" Round Edge Stainless Steel Preparation Table With Open Front.....	1,597.96	44.11
11 42 16 00-0016	EA		36" X 96" Square Edge Stainless Steel Preparation Table With Open Front.....	1,372.64	37.94
11 42 16 00-0017	EA		36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front.....	1,652.22	45.69
11 42 16 00-0018	EA		Roller Utility Drawers Stainless Steel Preparation Table With Open Front.....	333.77	9.21
11 42 16 00-0019			Mobile Tables <small>(11 42 16 00-0001)</small>		
11 42 16 00-0020	EA		21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	3,158.98	29.20
11 42 16 00-0021	EA		32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	1,707.90	35.03
11 42 16 00-0022	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top.....	1,422.76	39.38
11 42 16 00-0023			Hot Food Tables, Stainless Steel, Gas Or Electric <small>(11 42 16 00-0001)</small>		
11 42 16 00-0024	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables.....	2,541.02	70.30
11 42 16 00-0025	EA		32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables.....	2,061.08	56.96
11 42 16 00-0026	EA		Full Size Pan With Cover Stainless Steel Hot Food Tables.....	171.08	4.73
11 42 16 00-0027	EA		Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables.....	250.30	6.91
11 42 16 00-0028	EA		58-1/2", 4 Openings Stainless Steel Hot Food Tables.....	5,055.34	148.74
11 42 16 00-0029	EA		114-1/2", 8 Openings Stainless Steel Hot Food Tables.....	10,057.50	296.75
11 42 16 00-0030			Basic Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0031	LF		Table, Basic.....	295.38	23.94
11 42 16 00-0032			Table With Sink <small>(11 42 16)</small>		
11 42 16 00-0033	LF		Table With Sink.....	396.68	56.50
11 42 23 Food Preparation Scullery Sinks <small>(11 42)</small>					
11 42 23 00-0001			Stainless Steel Scullery Sinks <small>(11 42 23)</small>		
			Note: Excludes faucet. See CSI section 22 42 39 00-0071 for service sink faucets.		
11 42 23 00-0002	EA		Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard.....	2,553.83	237.11
			<i>For Additional Drain Board, Add</i>	228.29	
11 42 23 00-0003	EA		Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard.....	3,574.75	270.97
			<i>For Additional Drain Board, Add</i>	323.60	
11 42 23 00-0004	EA		Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard.....	4,707.15	270.97
			<i>For Additional Drain Board, Add</i>	430.07	
11 42 23 00-0005	EA		Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard.....	6,717.23	270.97
			<i>For Additional Drain Board, Add</i>	617.53	
11 42 23 00-0006	EA		Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard.....	4,174.95	270.97
11 42 23 00-0007	EA		Stainless Steel Scullery Sink, Double 24" x 24" x 14" Compartment And Drainboards (Elkay WNSF8248LR).....	5,286.75	270.97
			<i>For Additional Drain Board, Add</i>	494.80	

11 44 Food Cooking Equipment (11 40)



	Equipment	11
	Foodservice Equipment	11 40
	Food Cooking Equipment	11 44

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

11 44 13 Commercial Ranges (11 44)

11 44 13 00-0001	Range (11 44 13)		
11 44 13 00-0002	EA Heavy Duty Range, With 34" Open Top Oven.....	3,222.86	119.49
11 44 13 00-0003	EA Range With Fry Top.....	3,222.86	119.49
11 44 13 00-0004	EA Steel Finish Fry Top.....	6,900.90	178.63
11 44 13 00-0005	EA Stainless Top Only Fry Top.....	6,897.61	176.59
11 44 13 00-0006	EA Stainless Top And 2 Sides Fry Top.....	7,970.57	205.61
11 44 13 00-0007	EA Gas Range, Vulcan #260L.....	7,197.23	183.18
	Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.		
11 44 13 00-0008	EA 48" Range With Casters (Vulcan 48C-4B24GN).....	14,509.68	86.13

11 44 16 Commercial Ovens (11 44)

11 44 16 00-0001	Bake Oven (11 44 16)		
11 44 16 00-0002	EA 55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....	17,778.43	439.90
11 44 16 00-0003	EA 55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....	17,778.43	439.90
11 44 16 00-0004	EA 74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736).....	24,025.41	439.90
11 44 16 00-0005	EA 74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736).....	24,025.41	439.90
11 44 16 00-0006	EA 55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836).....	34,250.02	502.75
11 44 16 00-0007	EA 55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836).....	34,250.02	502.75

11 44 16 00-0008 Rapid-Cook Countertop Bake Ovens (11 44 16)

11 44 16 00-0009	EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1).....	9,729.07	21.53
11 44 16 00-0010	EA 800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM).....	5,770.62	21.53
11 44 16 00-0011	EA 4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H).....	4,543.87	21.53
11 44 16 00-0012	EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1).....	6,931.62	21.53
11 44 16 00-0013	EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5).....	7,214.54	21.53
11 44 16 00-0014	EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2).....	7,214.54	21.53
11 44 16 00-0015	EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500).....	7,214.54	21.53
11 44 16 00-0016	EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500).....	7,214.54	21.53
11 44 16 00-0017	EA 800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500).....	7,214.54	21.53
11 44 16 00-0018	EA 1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1).....	13,428.10	21.53
11 44 16 00-0019	EA 6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S).....	12,449.05	21.53
11 44 16 00-0020	EA 4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V).....	6,646.36	21.53
11 44 16 00-0021	EA 3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14).....	5,431.35	21.53
11 44 16 00-0022	EA 4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19).....	5,906.79	21.53
11 44 16 00-0023	EA 6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601).....	14,132.45	21.53
11 44 16 00-0024	EA 5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT).....	12,615.74	21.53
11 44 16 00-0025	EA 1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC).....	8,821.63	21.53
11 44 16 00-0026	EA 9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5).....	17,761.03	21.53
11 44 16 00-0027	EA 9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5).....	17,761.03	21.53
11 44 16 00-0028	EA 9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch).....	18,418.43	21.53
11 44 16 00-0029	EA 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL).....	18,418.43	21.53
11 44 16 00-0030	EA 1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1).....	9,763.12	21.53
11 44 16 00-0031	EA 5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1).....	9,729.07	21.53
11 44 16 00-0032	EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400).....	11,869.13	21.53
11 44 16 00-0033	EA 4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104).....	10,338.34	21.53
11 44 16 00-0034	EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI).....	11,552.17	21.53
11 44 16 00-0035	EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH).....	12,114.48	21.53
11 44 16 00-0036	EA 4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH).....	10,725.73	21.53

11	Equipment
11 40	Foodservice Equipment
11 44	Food Cooking Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0037 EA 6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER)	13,040.70	21.53
11 44 16 00-0038 EA 6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH).....	13,621.79	21.53
11 44 16 00-0039 EA 2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2).....	10,291.38	21.53
11 44 16 00-0040 EA 2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK)	9,880.51	21.53
11 44 16 00-0041 EA 2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED).....	9,880.51	21.53
11 44 16 00-0042 EA 1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK)	10,408.77	21.53
11 44 16 00-0043 EA 1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED).....	10,408.77	21.53
11 44 16 00-0044 EA 4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1).....	11,311.52	21.53
11 44 16 00-0045 EA 8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	15,157.28	21.53
11 44 16 00-0046 EA 8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	15,157.28	21.53
11 44 16 00-0047 EA 8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	15,791.20	21.53
11 44 16 00-0048 EA 8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	15,791.20	21.53
11 44 16 00-0049 EA 10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1).....	14,207.58	21.53
11 44 16 00-0050 EA 5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1).....	10,678.78	21.53
11 44 16 00-0051 Combination Ovens <small>(11 44 16)</small> Note: Convection, steam and combination modes.		
11 44 16 00-0052 EA 35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven.....	23,507.61	209.11
11 44 16 00-0053 EA 35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven	38,536.03	238.99
11 44 16 00-0054 EA 35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven.....	31,846.68	238.99
11 44 16 00-0055 EA 35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven.....	76,781.14	298.74
11 44 16 00-0056 EA 35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven.....	58,311.28	298.74
11 44 16 00-0057 Countertop Electric Convection Type Ovens <small>(11 44 16)</small>		
11 44 16 00-0058 EA 1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14)	292.26	10.77
11 44 16 00-0059 EA 1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16)	476.24	10.77
11 44 16 00-0060 EA 2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28).....	561.92	10.77
11 44 16 00-0061 EA 2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32).....	724.36	10.77
11 44 16 00-0062 EA 3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38)	1,319.99	10.77
11 44 16 00-0063 EA 3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46).....	1,536.58	10.77
11 44 16 00-0064 EA 1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q)	259.77	10.77
11 44 16 00-0065 EA 1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H)	433.04	10.77
11 44 16 00-0066 EA 1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17).....	1,243.15	10.77
11 44 16 00-0067 EA 1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703)	1,130.63	10.77
11 44 16 00-0068 EA 2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701).....	1,538.53	10.77
11 44 16 00-0069 EA 5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702)	2,497.26	10.77
11 44 16 00-0070 Electric Convection Type Ovens <small>(11 44 16)</small>		
11 44 16 00-0071 EA 11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100).....	3,547.94	43.07
11 44 16 00-0072 EA 22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK).....	7,037.17	86.13
11 44 16 00-0073 EA 22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK).....	7,037.17	86.13
11 44 16 00-0074 EA 22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK).....	7,037.17	86.13
11 44 16 00-0075 EA 22 kW, 208 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK).....	7,037.17	86.13
11 44 16 00-0076 EA 24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3).....	11,601.22	86.13
11 44 16 00-0077 EA 12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC55ED-11D1 208/3).....	5,800.60	43.07



Equipment	11	
Foodservice Equipment	11 40	↑
Food Cooking Equipment	11 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0078 EA 12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1)	5,800.60	43.07
11 44 16 00-0079 EA 12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3)	6,365.27	43.07
11 44 16 00-0080 EA 12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1)	5,800.60	43.07
11 44 16 00-0081 EA 12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3)	5,800.60	43.07
11 44 16 00-0082 EA 25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3)	12,730.56	86.13
11 44 16 00-0083 EA 11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E)	5,416.63	43.07
11 44 16 00-0084 EA 22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E)	10,833.26	86.13
11 44 16 00-0085 EA 24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1)	11,601.22	86.13
11 44 16 00-0086 EA 21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1)	14,671.30	86.13
11 44 16 00-0087 Natural Gas Convection Type Ovens (11 44 16)		
11 44 16 00-0088 EA 54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N)	3,910.08	43.07
11 44 16 00-0089 EA 108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N)	7,755.30	86.13
11 44 16 00-0090 EA 100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT)	13,362.32	86.13
11 44 16 00-0091 EA 100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD)	12,796.79	86.13
11 44 16 00-0092 EA 100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	11,948.50	86.13
11 44 16 00-0093 EA 50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K)	6,681.15	43.07
11 44 16 00-0094 EA 120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G)	6,767.29	86.13
11 44 16 00-0095 EA 120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S)	18,666.61	86.13
11 44 16 00-0096 EA 50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	5,974.25	43.07
11 44 16 00-0097 EA 100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES)	16,372.91	86.13
11 44 16 00-0098 EA 120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20)	24,323.53	86.13
11 44 16 00-0099 EA 120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS)	18,666.61	86.13
11 44 16 00-0100 EA 100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G)	15,291.76	86.13
11 44 16 00-0101 EA 90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES)	13,611.81	86.13
11 44 16 00-0102 EA 50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC55GDN)	6,398.39	43.07
11 44 16 00-0103 Broiler, Without Oven (11 44 16)		
11 44 16 00-0104 EA 69" x 26" x 39" Broiler Without Oven	8,957.38	191.19
11 44 16 00-0105 EA Conveyor Broiler	7,960.02	221.90
11 44 16 00-0106 Oven Stands (11 44 16)		
11 44 16 00-0107 EA Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand)	1,861.46	
11 44 16 00-0108 Triple Conveyor Oven (11 44 16)		
11 44 16 00-0109 EA 30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3)	49,412.20	172.27
11 44 16 00-0110 EA 30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3)	49,412.20	172.27
11 44 16 00-0111 EA 22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3)	100,841.72	172.27
11 44 16 00-0112 EA 22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3)	91,324.36	172.27

11	11 Equipment
	11 40 Foodservice Equipment
	11 44 Food Cooking Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0113	EA		22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	91,324.36	172.27
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0114	EA		330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3)	100,841.72	172.27
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0115	EA		330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3)	100,841.72	172.27
			Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 19 Commercial Cooking Equipment (11 44)					
11 44 19 00-0001 Drop-In Electric Griddle (11 44 19)					
11 44 19 00-0002	EA		24" Wide x 24" Deep, Drop-In Electric Griddle.....	4,163.51	164.31
11 44 19 00-0003	EA		36" Wide x 24" Deep, Drop-In Electric Griddle.....	5,900.99	164.31
11 44 19 00-0004	EA		48" Wide x 24" Deep, Drop-In Electric Griddle.....	6,751.36	179.24
11 44 19 00-0005	EA		60" Wide x 24" Deep, Drop-In Electric Griddle.....	8,068.27	179.24
11 44 19 00-0006	EA		72" Wide x 24" Deep, Drop-In Electric Griddle.....	10,330.69	194.18
11 44 19 00-0007 Countertop Griddle (11 44 19)					
11 44 19 00-0008	EA		16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N)	572.86	160.00
11 44 19 00-0009	EA		24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N)	704.86	160.00
11 44 19 00-0010	EA		30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N)	781.86	160.00
11 44 19 00-0011	EA		36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N)	978.77	160.00
11 44 19 00-0012	EA		24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716)	1,060.72	160.00
11 44 19 00-0013	EA		36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717)	1,354.75	160.00
11 44 19 00-0014 Panini Sandwich Grill (11 44 19)					
11 44 19 00-0015	EA		3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S)	559.96	86.13
11 44 19 00-0016	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78).....	432.84	86.13
11 44 19 00-0017	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S)	432.84	86.13
11 44 19 00-0018	EA		1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG).....	432.84	86.13
11 44 19 00-0019	EA		2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B)	869.95	86.13
11 44 19 00-0020 Electric Countertop Fryer, With Submerger (11 44 19)					
11 44 19 00-0021	EA		30 LB Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202).....	851.12	86.13
11 44 19 00-0022	EA		30 LB Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710).....	1,846.95	86.13
11 44 19 00-0023	EA		30 LB Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F).....	6,823.00	86.13
11 44 19 00-0024 Electric Floor Fryer, With Submerger (11 44 19)					
11 44 19 00-0025	EA		50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	6,566.12	238.99
11 44 19 00-0026	EA		50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	6,888.79	238.99
11 44 19 00-0027	EA		85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	21,875.35	310.69
11 44 19 00-0028	EA		85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	22,404.86	310.69
11 44 19 00-0029 Kettles, Steam Jacketed (11 44 19)					
11 44 19 00-0030	EA		5 Gallon Kettle, With Stand.....	4,991.99	109.91
11 44 19 00-0031	EA		20 Gallon Kettle With Steam Jacket.....	17,222.83	146.54
11 44 19 00-0032	EA		40 Gallon Kettle With Steam Jacket.....	17,805.33	161.20
11 44 19 00-0033	EA		60 Gallon Kettle With Steam Jacket.....	21,554.42	175.85
11 44 19 00-0034 Steamers, Electric (11 44 19)					
11 44 19 00-0035 Cooking Equipment/ Steamers (11 44 19 00-0034)					
11 44 19 00-0036	EA		3 Pan, Electric Countertop Convection Steamer.....	8,993.55	250.94
11 44 19 00-0037	EA		5 Pan, Electric Countertop Convection Steamer.....	11,827.77	262.88
11 44 19 00-0038	EA		3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	8,326.11	250.94
11 44 19 00-0039	EA		5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	12,115.96	262.88
11 44 19 00-0040 Braising Pans (11 44 19)					
11 44 19 00-0041	EA		24" x 24", 240 Volt, Tilting Braising Pan.....	10,655.49	255.43
11 44 19 00-0042	EA		24" x 31", 240 Volt, Tilting Braising Pan.....	11,244.25	268.61
11 44 19 00-0043	EA		24" x 41", 240 Volt, Tilting Braising Pan.....	11,975.99	286.05
11 44 19 00-0044	EA		24" x 24", 62,000 BTU/Hour, Tilting Braising Pan.....	13,890.71	333.09
11 44 19 00-0045	EA		24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	14,363.69	343.35
11 44 19 00-0046	EA		24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	14,921.54	352.44
11 44 19 00-0047 Toasters (11 44 19)					
11 44 19 00-0048	EA		Bun Toaster 3.2 KW.....	2,100.19	47.27
11 44 19 00-0049	EA		Bun Toaster 4.3 KW.....	2,292.09	51.51



Equipment	11
Foodservice Equipment	11 40
Food Cooking Equipment	11 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44	19 00-0050	EA	Pop-Up Toaster, 2 Slot	605.64	129.41
11 44	19 00-0051	EA	Conveyor Toaster	1,030.15	194.18
11 44	19 00-0052		Microwave Ovens ^(11 44 19)		
11 44	19 00-0053	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD)	203.30	10.77
11 44	19 00-0054	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB)	223.49	10.77
11 44	19 00-0055	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS)	290.82	10.77
11 44	19 00-0056	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D)	371.61	10.77
11 44	19 00-0057	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T)	465.86	10.77
11 44	19 00-0058	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS)	290.82	10.77
11 44	19 00-0059	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS)	339.97	10.77
11 44	19 00-0060	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE)	603.22	10.77
11 44	19 00-0061	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS)	736.53	10.77
11 44	19 00-0062	EA	120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy Duty Commercial Microwave With Push Button Controls (Amana HDC12A2)	1,548.47	10.77
11 44	19 00-0063	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830)	425.21	10.77
11 44	19 00-0064	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819)	580.40	10.77
11 44	19 00-0065	EA	120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90)	445.68	10.77
11 44	19 00-0066	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F)	391.82	10.77
11 44	19 00-0067	EA	120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F)	760.76	10.77
11 44	19 00-0068	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025)	351.43	10.77
11 44	19 00-0069	EA	120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T)	733.83	10.77
11 44	19 00-0070	EA	120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy Duty Stainless Steel Microwave (Solwave MWHD12)	814.62	10.77
11 44	19 00-0071	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523)	1,368.04	10.77
11 44	19 00-0072	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521)	1,269.74	10.77
11 44	19 00-0073	EA	120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS)	1,494.61	10.77
11 44	19 00-0074	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521)	1,400.36	10.77
11 44	19 00-0075	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523)	1,572.71	10.77
11 44	19 00-0076	EA	208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180)	4,244.86	10.77
11 44	19 00-0077	EA	208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-through Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280)	5,626.38	10.77
11 44	19 00-0078	EA	208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS)	1,754.49	10.77
11 44	19 00-0079	EA	208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy Duty, 2 Pan Programmable Microwave (Amana AMSO22)	5,474.90	10.77
11 44	19 00-0080	EA	208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana AOC24)	3,378.38	10.77
11 44	19 00-0081	EA	208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy Duty Microwave (Solwave MWHD18)	908.88	10.77
11 44	19 00-0082	EA	208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T)	962.74	10.77
11 44	19 00-0083	EA	208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21)	1,030.07	10.77
11 44	19 00-0084	EA	208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC17S2)	2,481.60	10.77
11 44	19 00-0085	EA	208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T)	828.09	10.77
11 44	19 00-0086	EA	208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana HDC182)	1,815.08	10.77
11 44	19 00-0087	EA	208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815)	1,827.20	10.77
11 44	19 00-0088	EA	208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120)	1,704.67	10.77
11 44	19 00-0089	EA	208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave (Amana HDC212)	1,899.91	10.77
11 44	19 00-0090	EA	208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Panasonic NE-21521)	1,718.13	10.77
11 44	19 00-0091	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC22S2)	3,099.65	10.77

11	11 Equipment
	11 40 Foodservice Equipment
	11 44 Food Cooking Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0092 EA 208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC30S2)	4,069.14	10.77
11 44 19 00-0093 Ceramic Broiler On Storage Base With Doors (11 44 19)		
11 44 19 00-0094 EA Standard Finish Ceramic Boiler On Storage Base With Doors	8,779.31	209.41
11 44 19 00-0095 EA Stainless Steel Front Ceramic Boiler On Storage Base With Doors	8,779.31	209.41
11 44 19 00-0096 EA Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	10,911.86	261.44
11 44 19 00-0097 Gas Countertop Hot Plate (11 44 19)		
11 44 19 00-0098 EA 2 Burners Gas Countertop Hot Plate	1,119.28	26.67
11 46 Food Dispensing Equipment (11 40)		
11 46 13 Bar Equipment (11 46)		
11 46 13 00-0001 Soft Serve Machines (11 46 13)		
11 46 13 00-0002 EA Soft Serve Machines, Medium	12,056.66	141.24
11 46 13 00-0003 EA Soft Serve Machines, Large	20,312.06	172.55
11 46 13 00-0004 Salad Bars (11 46 13)		
11 46 13 00-0005 EA 96" Refrigerated Salad Bar With Light 54" Height	18,309.61	567.86
11 46 13 00-0006 EA 96" Refrigerated Salad Bar Without Light 54" Height	16,780.62	567.86
11 46 13 00-0007 EA 96" Iced Salad Bar Without Light 54" Height	11,824.95	311.99
11 46 13 00-0008 EA 79" Iced Salad Bar Without Light 54" Height	9,349.20	256.31
11 46 13 00-0009 EA 79" Refrigerated Salad Bar Without Light 54" Height	14,206.98	376.03
11 46 13 00-0010 EA 114" Iced Salad Bar 34" Height	15,672.42	333.09
11 46 13 00-0011 EA Salad Bar Tray Fixed	1,534.09	56.42
11 46 13 00-0012 EA Salad Bar Tray Hinged	1,630.90	56.42
11 46 16 Service Line Equipment (11 46)		
11 46 16 00-0001 Food Warmer Holding Station (11 46 16)		
11 46 16 00-0002 EA Food Warmer Station And Heat Lamp	775.98	17.45
11 46 16 00-0003 Reach-In Food Warmers (11 46 16)		
11 46 16 00-0004 EA One Drawer, 16 Roll Capacity Food Warmer	1,669.86	37.57
11 46 16 00-0005 EA Three Drawer, 36 Roll Capacity Food Warmer	3,821.37	86.05
11 46 16 00-0006 Hot Cabinets With Top Wells Electric (11 46 16)		
11 46 16 00-0007 EA 2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	8,976.67	209.41
11 46 16 00-0008 EA 3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	12,825.44	300.12
11 46 16 00-0009 Portable Hot Food Units (11 46 16)		
11 46 16 00-0010 EA 46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030)	4,971.31	
11 46 16 00-0011 EA 60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040)	5,693.78	
11 46 16 00-0012 EA 74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050)	6,436.16	
11 46 16 00-0013 Stationary Hot Food Units (11 46 16)		
11 46 16 00-0014 EA 46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203)	1,521.46	42.65
11 46 16 00-0015 EA 61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204)	2,039.83	49.09
11 46 16 00-0016 EA 76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205)	2,538.24	62.87
11 46 16 00-0017 Serving Counters (11 46 16)		
11 46 16 00-0018 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	127.06	48.75
11 46 16 00-0019 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	165.43	74.68
11 46 16 00-0020 Drop-In Equipment (11 46 16)		
11 46 16 00-0021 EA Hot Food Well, Rectangular	586.36	155.34
11 46 16 00-0022 EA Hot Food Well, Circular	543.29	155.34
11 46 16 00-0023 EA Refrigerated Well, 2 Compartment	2,468.75	155.34
11 46 16 00-0024 EA Refrigerated Well, 3 Compartment	2,805.39	172.55
11 46 16 00-0025 EA Refrigerated Well, 4 Compartment	3,187.66	194.18
11 46 16 00-0026 EA Frost Cold Plate	2,089.69	172.55
11 46 16 00-0027 Beverage Dispensing (11 46 16)		



Equipment	11	
Foodservice Equipment	11 40	11
Food Dispensing Equipment	11 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0028 EA Coffee Urn, Twin 3 Gallon.....	3,422.28	262.82
11 46 16 00-0029 EA Coffee Urn, Twin 6 Gallon.....	4,870.88	367.90
11 46 16 00-0030 EA Coffee Brewer, 5 Burner.....	1,494.73	262.82
11 46 16 00-0031 EA Hot Chocolate Dispenser.....	1,434.30	216.48
11 46 16 00-0032 EA Iced Tea Brewer.....	2,048.10	216.48
11 46 16 00-0033 EA Juice Dispenser (Concentrate).....	1,551.27	344.86
11 46 16 00-0034 EA Jet Spray Dispenser.....	2,144.15	345.22
11 46 16 00-0035 EA Milk Dispenser, Bulk, 2 Flavor.....	1,762.40	194.18
11 46 16 00-0036 EA Milk Dispenser, Bulk, 3 Flavor.....	2,376.21	194.18
11 46 16 00-0037 Dish Dispensers (11 46 16)		
11 46 16 00-0038 EA Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2).....	1,890.73	30.19
11 46 16 00-0039 EA 12" Diameter, Drop-in, Dish Dispenser.....	677.48	30.75
11 46 16 00-0040 EA Drop-in, Cup And Glass Dispenser.....	1,156.06	95.60
11 46 16 00-0041 EA Drop-in, Disposable Cup Dispenser.....	419.96	21.53
11 46 16 00-0042 Tray And Silver Dispensers (11 46 16)		
11 46 16 00-0043 EA Tray And Silver Dispensers Mobile.....	2,640.41	21.53
11 46 16 00-0044 Condiment Dispensers (11 46 16)		
11 46 16 00-0045 EA Butter Pat Dispenser.....	155.05	26.95
11 46 16 00-0046 EA Bread Dispenser, Counter Top.....	437.19	26.95
11 46 16 00-0047 Sandwich Rack Warmer (11 46 16)		
11 46 16 00-0048 EA 18 Compartment, 2 Tier Sandwich Rack Warmer.....	3,347.53	139.26
11 46 16 00-0049 Mobile Bread Counter (11 46 16)		
11 46 16 00-0050 EA Mobile Bread And Roll Counter.....	7,681.96	313.06
11 46 16 00-0051 Open Service Stand (11 46 16)		
11 46 16 00-0052 EA 6' Open Service Stand.....	2,990.59	131.16
11 46 16 00-0053 LF Each Additional Foot Over 6 Foot Add.....	409.06	17.73
11 46 16 00-0054 Mobile Serving Stand Unit (11 46 16)		
11 46 16 00-0055 EA 36" Mobile Serving Stand Unit.....	2,616.85	125.44
11 46 16 00-0056 EA 96" Mobile Serving Stand Unit.....	4,293.04	188.02
11 46 16 00-0057 Reach-In Heated Cabinets (11 46 16)		
11 46 16 00-0058 EA Heated Cabinet, Reach-in, 1 Compartment.....	5,244.11	199.20
11 46 16 00-0059 EA Heated Cabinet, Reach-in, 2 Compartment.....	7,543.67	250.58
11 46 16 00-0060 EA Heated Cabinet, 1 Compartment, Pass-Through Roll-In.....	5,486.40	199.20
11 46 16 00-0061 EA Heated Cabinet, Pass-Through, Roll-In 2 Compartment.....	7,895.79	250.58
11 46 16 00-0062 Mobile Heated Cabinets (11 46 16)		
11 46 16 00-0063 EA Mobile, Heated Cabinet.....	5,814.93	53.83
11 46 19 Soda Fountain Equipment (11 46)		
11 46 19 00-0001 Carbonated Beverage Dispensing (11 46 19)		
11 46 19 00-0002 EA Carbonated Beverage Dispenser.....	3,790.07	485.50
11 46 19 00-0003 EA Carbonated Beverage Dispenser With 90 LB Ice.....	5,940.31	554.81
11 46 19 00-0004 EA Carbonated Beverage Dispenser With 150 LB Ice.....	10,840.12	776.70
11 46 19 00-0005 Beverage Chilling Systems (11 46 19)		
11 46 19 00-0006 EA Beverage Chiller, Small.....	10,793.33	451.58
11 46 19 00-0007 EA Beverage Chiller, Large.....	20,234.81	677.43
11 46 83 Ice Machines (11 46)		
11 46 83 00-0001 Undercounter Ice Machines With Bin (11 46 83)		
11 46 83 00-0002 EA 53 LB/Day, Air Cooled Undercounter Octagonal Cube Ice Machine With 25 LB Capacity Bin (Manitowoc SM-50A 115/60/1).....	2,401.90	21.53
11 46 83 00-0003 EA 85 LB/Day, Air Cooled Undercounter Pearl/Nugget Ice Machine With 22 LB Capacity Bin (Ice-O-Matic GEMU090).....	3,917.06	209.11
11 46 83 00-0004 EA 137 LB/Day, Air Cooled Undercounter Half Dice Cube Ice Machine With 90 LB Capacity Bin (Manitowoc UYF0140A).....	2,997.65	209.11
11 46 83 00-0005 EA 100 LB/Day, Undercounter, Air Cooled Ice Machine With 57 LB Capacity Bin (Scotsman CU0920MA).....	2,927.34	209.11
11 46 83 00-0006 EA 227 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2024SA).....	3,152.97	224.05

11	11 Equipment
	11 40 Foodservice Equipment
	11 46 Food Dispensing Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 83 00-0007 EA 282 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2724SA)	3,519.69	224.05
11 46 83 00-0008 Ice Cube Maker <small>(11 46 83)</small>		
11 46 83 00-0009 EA 320 LB/Day, Modular Ice Maker Without Bin	4,012.65	224.05
11 46 83 00-0010 EA 451 LB/Day, Modular Ice Maker Without Bin	4,359.60	238.99
11 46 83 00-0011 EA 600 LB/Day, Modular Ice Maker Without Bin	4,984.60	238.99
11 46 83 00-0012 EA 901 LB/Day, Modular Ice Maker Without Bin	7,109.83	253.92
11 46 83 00-0013 EA 1301 LB/Day, Modular Ice Maker Without Bin	8,061.30	253.92
11 46 83 00-0014 EA 1601 LB/Day, Modular Ice Maker Without Bin	9,711.03	268.86
11 46 83 00-0015 EA 1900 LB/Day, Modular Ice Maker Without Bin	10,722.18	268.86
11 46 83 00-0016 Ice Flakers <small>(11 46 83)</small>		
11 46 83 00-0017 EA 300 LB/Day, Ice Flakers.....	8,130.23	736.03
11 46 83 00-0018 EA 600 LB/Day, Ice Flakers.....	14,744.92	1,177.66
11 46 83 00-0019 EA 1,000 LB/Day, Ice Flakers.....	18,208.82	1,619.28
11 46 83 00-0020 EA 2,000 LB/Day, Ice Flakers.....	22,272.89	1,766.49
11 46 83 00-0021 Ice Storage Bins <small>(11 46 83)</small>		
11 46 83 00-0022 EA 260 LB Capacity, Stainless Steel Ice Storage Bin.....	1,565.40	129.20
11 46 83 00-0023 EA 360 LB Capacity, Stainless Steel Ice Storage Bin.....	1,718.16	129.20
11 46 83 00-0024 EA 550 LB Capacity, Stainless Steel Ice Storage Bin.....	2,147.07	139.96
11 46 83 00-0025 EA 660 LB Capacity, Stainless Steel Ice Storage Bin.....	2,316.82	139.96
11 46 83 00-0026 EA 1150 LB Capacity, Stainless Steel Ice Storage Bin.....	4,460.12	150.73
11 48 Foodservice Cleaning and Disposal Equipment <small>(11 48)</small>		
11 48 13 Commercial Dishwashers <small>(11 48)</small>		
11 48 13 00-0001 Sprays And Hoses <small>(11 48 13)</small>		
11 48 13 00-0002 Sprays, Fillers <small>(11 48 13 00-0001)</small>		
11 48 13 00-0003 EA Pre-Rinse Spray.....	484.14	107.42
11 48 13 00-0004 EA Kettle Fillers.....	430.30	107.42
11 48 13 00-0005 Hoses <small>(11 48 13 00-0001)</small>		
11 48 13 00-0006 EA Hose Reel.....	580.97	128.96
11 48 13 00-0007 EA Wash-Down Hose.....	473.29	128.96
11 48 13 00-0008 EA Hose Reel And Spray System With Accessories (Chicago 535NF).....	1,552.88	
11 48 13 00-0009 Rack Type Dishwasher <small>(11 48 13)</small>		
11 48 13 00-0010 EA Dishwasher, 1 Tank And 190 Racks/Hour	10,873.71	294.32
11 48 13 00-0011 EA Dishwasher, 2 Tanks And 234 Racks/Hour.....	18,809.21	772.59
11 48 13 00-0012 EA Dishwasher, 2 Tanks And 265 Racks/Hour.....	22,573.68	882.96
11 48 13 00-0013 EA Dishwasher, Automatic - 100 Meals/Hour.....	17,335.77	220.74
11 48 13 00-0014 EA Dishwasher, Machine Rack.....	20,407.19	613.22
11 48 13 00-0015 EA Dishwasher, Hobart LX30-H	5,479.79	257.53
11 48 13 00-0016 Exhaust Hood Dishwasher <small>(11 48 13)</small>		
11 48 13 00-0017 EA 4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	2,238.43	261.59
11 48 13 00-0018 EA 4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	3,754.48	313.91
11 48 13 00-0019 Dish Tables <small>(11 48 13)</small>		
11 48 13 00-0020 LF Clean/Soiled Dish Table, Basic.....	282.59	56.50
11 48 13 00-0021 LF Clean/Soiled Dish Table With Trough.....	441.58	84.68
11 48 13 00-0022 LF Clean/Soiled Dish Table, Maximum.....	541.56	112.86
11 48 16 Foodservice Disposal Equipment <small>(11 48)</small>		
11 48 16 00-0001 Garbage Disposals <small>(11 48 16)</small>		
Note: Manual switch.		
11 48 16 00-0002 EA 1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	1,594.86	198.67
11 48 16 00-0003 EA 3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	1,986.10	206.03
11 48 16 00-0004 EA 1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,127.55	213.38
11 48 16 00-0005 EA 1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,749.88	220.74
11 48 16 00-0006 EA 2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,991.16	242.82
11 48 16 00-0007 EA 3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	4,163.70	264.89
11 48 16 00-0008 EA 5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	4,953.16	294.32
11 48 16 00-0009 EA 7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	6,851.80	316.39
11 48 16 00-0010 EA 10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	8,986.08	331.11



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Cleaning and Disposal Equipment	11 48	

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

11 48 16 00-0011			Pulper/Extractors ^(11 48 16)		
11 48 16 00-0012	EA		5 HP, Pulper/Extractor, Close-Coupled.....	6,015.42	306.54

11 50 Educational and Scientific Equipment ⁽¹¹⁾

11 52 Audio-Visual Equipment ^(11 50)

11 52 13 Projection Screens ^(11 52)

11 52 13 13 Fixed Projection Screens ^(11 52 13)

11 52 13 13-0001 Screens ^(11 52 13 13)

11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) ^(11 52 13 13-0001)

11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B).....	391.45	84.87
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B).....	466.01	109.12
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B).....	589.08	151.55
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B).....	681.84	181.86
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B).....	1,056.48	272.80
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B).....	1,245.63	303.11
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B).....	898.86	193.99
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B).....	1,027.99	242.49
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B).....	556.35	103.05
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B).....	769.74	145.49
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B).....	838.24	163.68
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B).....	894.62	175.80
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B).....	1,031.64	212.18
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B).....	846.12	151.55
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B).....	958.89	175.80
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	

11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) ^(11 52 13 13-0001)

11 52 13 13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C).....	915.85	109.12
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	

11 Equipment
11 50 Educational and Scientific Equipment
11 52 Audio-Visual Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0020	EA		60" x 60" Pull Down Projection Screen (Da-Lite C).....	1,071.04	151.55
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0021	EA		70" x 70" Pull Down Projection Screen (Da-Lite C).....	1,244.42	206.12
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0022	EA		84" x 84" Pull Down Projection Screen (Da-Lite C).....	1,442.05	272.80
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0023	EA		6' x 8' Pull Down Projection Screen (Da-Lite C).....	1,582.71	278.86
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0024	EA		8' x 8' Pull Down Projection Screen (Da-Lite C).....	1,695.46	303.11
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0025	EA		7' x 9' Pull Down Projection Screen (Da-Lite C).....	1,727.59	303.11
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0026	EA		9' x 9' Pull Down Projection Screen (Da-Lite C).....	1,860.35	321.30
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0027	EA		8' x 10' Pull Down Projection Screen (Da-Lite C).....	1,993.13	339.48
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0028	EA		10' x 10' Pull Down Projection Screen (Da-Lite C).....	2,138.01	363.74
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0029	EA		9' x 12' Pull Down Projection Screen (Da-Lite C).....	2,395.06	363.74
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0030	EA		12' x 12' Pull Down Projection Screen (Da-Lite C).....	2,766.08	484.98
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0031			Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) <small>(11 52 13 13-0001)</small>		
			Note: With controlled screen return.		
11 52 13 13-0032	EA		60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,713.66	151.55
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0033	EA		70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,919.17	206.12
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0034	EA		84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,116.81	272.80
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0035	EA		6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,225.33	278.86
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0036	EA		8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,370.21	303.11
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0037	EA		7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,402.34	303.11
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0038	EA		9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,535.11	321.30
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0039	EA		8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,591.50	333.42
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0040	EA		10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,909.15	363.74
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	



Equipment	11
Educational and Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0041 EA 9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	3,198.33	363.74
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0042 EA 12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	3,633.62	484.98
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) ^(11 52 13 13-0001)		
Note: Heavy-duty screen for exposed installation.		
11 52 13 13-0044 EA 50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,432.83	136.40
11 52 13 13-0045 EA 60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,488.91	151.55
11 52 13 13-0046 EA 70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,598.52	181.86
11 52 13 13-0047 EA 84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,002.05	272.80
11 52 13 13-0048 EA 6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,076.05	278.86
11 52 13 13-0049 EA 8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,266.30	303.11
11 52 13 13-0050 EA 7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,330.74	303.11
11 52 13 13-0051 EA 9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,496.91	324.33
11 52 13 13-0052 EA 8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,699.92	339.48
11 52 13 13-0053 EA 10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,833.47	363.74
11 52 13 13-0054 EA 9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,949.46	363.74
11 52 13 13-0055 EA 12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	4,393.01	484.98
11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) ^(11 52 13 13-0001)		
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0057 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	6,186.52	363.74
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0058 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	6,686.06	484.98
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0059 EA 14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	8,285.33	545.60
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0060 EA 12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	8,727.89	606.22
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0061 EA 16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	9,291.69	727.46
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0062 EA 13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	10,376.85	788.09
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0063 EA 18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	11,365.65	848.71
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0064 EA 15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	12,008.27	848.71
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0065 EA 20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	12,925.50	969.96
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0066 EA 11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	11,983.40	788.09
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0067 EA 16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	12,668.45	969.96
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0068 EA 22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	13,232.25	1,091.20
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0069 EA 12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	12,747.28	848.71
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0070 EA 18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	16,445.35	1,091.20
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) ^(11 52 13 13-0001)		
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	5,731.86	136.40
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0073 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	5,858.56	151.55
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0074 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	5,983.45	181.86
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0075 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	6,390.23	272.80
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0076 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	6,466.62	278.86
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0077 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	6,707.90	303.11
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0078 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	6,900.68	303.11
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0079 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	7,039.52	324.33
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0080 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	7,230.48	339.48
Note: In-the-ceiling screen with automatically operated door to conceal screen.		

11 Equipment
11 50 Educational and Scientific Equipment
11 52 Audio-Visual Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0081	EA		10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,407.49	363.74
11 52 13 13-0082	EA		9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,471.76	363.74
11 52 13 13-0083	EA		12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,035.57	484.98
11 52 13 13-0084	EA		10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,610.28	515.29
11 52 13 13-0085	EA		14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,992.21	545.60
11 52 13 13-0086	EA		12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,820.34	606.22
11 52 13 13-0087	EA		16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,223.49	727.46

11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) (11 52 13 13-0001)

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0089	EA		50" x 50" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,755.07	136.40
11 52 13 13-0090	EA		60" x 60" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,860.68	166.71
11 52 13 13-0091	EA		70" x 70" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,919.92	181.86
11 52 13 13-0092	EA		84" x 84" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,194.96	272.80
11 52 13 13-0093	EA		6' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,236.00	278.86
11 52 13 13-0094	EA		8' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,406.59	303.11
11 52 13 13-0095	EA		7' x 9' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,576.89	303.11
11 52 13 13-0096	EA		9' x 9' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,847.46	324.33
11 52 13 13-0097	EA		8' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,922.75	339.48
11 52 13 13-0098	EA		10' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,109.40	363.74
11 52 13 13-0099	EA		9' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,102.13	424.36
11 52 13 13-0100	EA		12' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,673.21	484.98
11 52 13 13-0101	EA		10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	8,333.96	515.29
11 52 13 13-0102	EA		14' x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	8,699.82	545.60
11 52 13 13-0103	EA		12' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	9,415.49	606.22
11 52 13 13-0104	EA		16' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	9,792.93	727.46
11 52 13 13-0105	EA		13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	10,669.25	788.09
11 52 13 13-0106	EA		18' x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	11,327.08	848.71
11 52 13 13-0107	EA		15' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	11,796.19	848.71
11 52 13 13-0108	EA		20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	13,041.17	969.96
11 52 13 13-0109	EA		50" x 67" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,919.92	181.86
11 52 13 13-0110	EA		60" x 80" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,134.34	242.49
11 52 13 13-0111	EA		69" x 92" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,223.87	272.80
11 52 13 13-0112	EA		87" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,954.88	339.48
11 52 13 13-0113	EA		105" x 140" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,368.82	424.36
11 52 13 13-0114	EA		123" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	7,893.33	545.60
11 52 13 13-0115	EA		141" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	8,380.02	666.85
11 52 13 13-0116	EA		12' x 24' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	14,757.82	909.34
11 52 13 13-0117	EA		45" x 80" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,150.40	242.49
11 52 13 13-0118	EA		52" x 92" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,272.07	272.80
11 52 13 13-0119	EA		54" x 96" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,401.62	290.99
11 52 13 13-0120	EA		58" x 104" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,479.04	315.24



Equipment	11	
Educational and Scientific Equipment	11 50	↑
Audio-Visual Equipment	11 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0121 EA 65" x 116" Electric Projection Screen (Da-Lite Senior Electrol).....	5,800.65	339.48
Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0122 EA 78" x 139" Electric Projection Screen (Da-Lite Senior Electrol).....	6,246.72	424.36
Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0123 EA 92" x 164" Electric Projection Screen (Da-Lite Senior Electrol).....	7,806.58	545.60
Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0124 EA 106" x 188" Electric Projection Screen (Da-Lite Senior Electrol).....	9,019.43	666.85
Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0125 EA 119" x 212" Electric Projection Screen (Da-Lite Senior Electrol).....	10,948.79	788.09
Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) <small>(11 52 13 13-0001)</small>		
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	4,765.56	136.40
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0128 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	4,857.73	151.55
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0129 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	4,964.76	181.86
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0130 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	5,306.43	272.80
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0131 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	5,370.11	278.86
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0132 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	5,529.44	303.11
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0133 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	5,702.14	303.11
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0134 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)	5,855.41	324.33
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0135 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	5,968.21	339.48
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0136 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	6,148.15	363.74
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0137 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	6,326.01	363.74
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0138 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol).....	6,718.01	484.98
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) <small>(11 52 13 13-0001)</small>		
Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140 EA 60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	14,676.38	303.11
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0141 EA 69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	15,697.29	363.74
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0142 EA 87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	18,245.94	545.60
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0143 EA 105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	22,979.50	727.46
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0144 EA 120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	25,471.16	848.71
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0145 EA 52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	15,576.05	303.11
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0146 EA 58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	17,014.66	363.74
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0147 EA 65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	18,003.45	424.36
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0148 EA 78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	22,615.76	545.60
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0149 Electric Rear Projection Screen (Da-Lite DA-View) <small>(11 52 13 13-0001)</small>		
Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150 EA 60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	4,551.79	303.11
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0151 EA 67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	5,709.02	333.42
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0152 EA 72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	6,537.25	363.74
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0153 EA 84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	11,751.90	394.05
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0154 EA 90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	13,018.78	12,594.43
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0155 EA 96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	14,455.95	484.98
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0156 EA 100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	18,524.95	545.60
Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		

11	11 Equipment
	11 50 Educational and Scientific Equipment
	11 52 Audio-Visual Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0157 EA 120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	25,006.48	606.22
11 52 13 13-0158 EA 125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	27,978.88	666.85
11 52 13 13-0159 EA 135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	37,421.23	727.46
11 52 13 13-0160 Screen Accessories <small>(11 52 13 13-0001)</small>		
11 52 13 13-0161 Manual Pull Down Accessories <small>(11 52 13 13-0160)</small>		
11 52 13 13-0162 EA 6" Mounting Bracket (Pair)	76.03	9.10
11 52 13 13-0163 EA 14" Wall Mounting Bracket (Pair)	108.16	9.70
11 52 13 13-0164 EA 14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	127.44	10.91
11 52 13 13-0165 Electric Powered Screen Accessories <small>(11 52 13 13-0160)</small>		
11 52 13 13-0166 EA Single Motor Low Voltage Remote Control System - Infrared.....	798.23	
11 52 13 13-0167 EA Single Motor Low Voltage Remote Control System - Radio Frequency.....	1,151.67	
11 52 13 13-0168 Relocate Existing Fixed Projection Screen <small>(11 52 13 13)</small>		
11 52 13 13-0169 EA Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	1,783.01	
11 52 13 16 Portable Projection Screens <small>(11 52 13)</small>		
11 52 13 16-0001 Motion Picture Screen And Case <small>(11 52 13 16)</small>		
11 52 13 16-0002 SF Screen, Riser Projection With Anodized Aluminum Frame	50.96	4.37
11 52 16 Projectors <small>(11 52)</small>		
11 52 16 26 Video Projectors <small>(11 52 16)</small>		
11 52 16 26-0001 Projectors <small>(11 52 16 26)</small>		
11 52 16 26-0002 EA 2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	1,315.56	60.62
11 52 16 26-0003 EA 2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	1,524.57	60.62
11 52 16 26-0004 EA 2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	2,017.22	60.62
11 52 16 26-0005 EA 3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,181.67	60.62
11 52 16 26-0006 EA 3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,704.19	60.62
11 52 16 26-0007 EA 3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	4,704.42	60.62
11 52 16 26-0008 EA 4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	7,481.20	60.62
11 52 16 26-0009 EA 5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	10,138.54	60.62
11 52 16 26-0010 EA 6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	15,050.15	60.62
11 52 16 26-0011 Projector Mounts <small>(11 52 16 26)</small>		
11 52 16 26-0012 Universal Projector Mounts <small>(11 52 16 26-0011)</small> Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013 EA Flush Ceiling, Universal Projector Mount (Peerless PPF)	288.12	66.66
11 52 16 26-0014 EA Wall Arm, Universal Projector Mount (Peerless PWA-14).....	473.45	66.66
11 52 16 26-0015 Projector Mount Components <small>(11 52 16 26-0011)</small> Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016 Ceiling Attachment Plates For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0017 EA Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	104.68	30.30
11 52 16 26-0018 EA Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	142.71	30.30
11 52 16 26-0019 EA I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559)	199.01	30.30
11 52 16 26-0020 EA Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	246.71	30.30
11 52 16 26-0021 Projector Attachment Plates For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0022 EA Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	365.55	30.30
11 52 16 26-0023 EA High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	808.96	30.30
11 52 16 26-0024 Threaded Extension Columns For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0025 Fixed Length, Threaded Extension Column For Projector Mounts <small>(11 52 16 26-0024)</small> Note: Peerless EXT series.		
11 52 16 26-0026 EA 6" Fixed Length, Threaded Extension Column For Projector Mounts	62.75	9.09
11 52 16 26-0027 EA 12" Fixed Length, Threaded Extension Column For Projector Mounts	81.52	9.09
11 52 16 26-0028 EA 18" Fixed Length, Threaded Extension Column For Projector Mounts	88.56	9.09
11 52 16 26-0029 EA 24" Fixed Length, Threaded Extension Column For Projector Mounts	93.25	9.09
11 52 16 26-0030 EA 36" Fixed Length, Threaded Extension Column For Projector Mounts	111.04	12.12
11 52 16 26-0031 EA 48" Fixed Length, Threaded Extension Column For Projector Mounts	134.50	12.12
11 52 16 26-0032 EA 60" Fixed Length, Threaded Extension Column For Projector Mounts	172.04	12.12



Equipment	11	
Educational and Scientific Equipment	11 50	11
Audio-Visual Equipment	11 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0033 EA 72" Fixed Length, Threaded Extension Column For Projector Mounts	197.84	12.12
11 52 16 26-0034 EA 84" Fixed Length, Threaded Extension Column For Projector Mounts	232.05	15.15
11 52 16 26-0035 EA 96" Fixed Length, Threaded Extension Column For Projector Mounts	264.90	15.15
11 52 16 26-0036 EA 108" Fixed Length, Threaded Extension Column For Projector Mounts	294.42	18.18
11 52 16 26-0037 EA 120" Fixed Length, Threaded Extension Column For Projector Mounts	308.49	18.18

11 52 16 26-0038 Adjustable Length, Threaded Extension Columns For Projector Mounts ^(11 52 16 26-0024)
 Note: Peerless ADJ series. Adjustable at 1" increments.

11 52 16 26-0039 EA 6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	128.83	15.15
11 52 16 26-0040 EA 12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	199.21	15.15
11 52 16 26-0041 EA 18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	203.90	15.15
11 52 16 26-0042 EA 24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	210.94	15.15
11 52 16 26-0043 EA 36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	228.73	18.18
11 52 16 26-0044 EA 48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	240.46	18.18
11 52 16 26-0045 EA 60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	266.27	18.18
11 52 16 26-0046 EA 72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	289.72	18.18
11 52 16 26-0047 EA 84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	321.59	21.21
11 52 16 26-0048 EA 96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	345.05	21.21
11 52 16 26-0049 EA 108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	376.92	24.24
11 52 16 26-0050 EA 120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	393.34	24.24

11 53 Laboratory Equipment ^(11 50)

11 53 43 Service Fittings and Accessories ^(11 53)

11 53 43 00-0001 Outlet And Valves ^(11 53 43)		
11 53 43 00-0002 EA Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum)	1,108.42	
11 53 43 00-0003 Test And Certify ^(11 53 43)		
11 53 43 00-0004 EA Test And Certify Medical Gas Port.....	73.60	

11 70 Healthcare Equipment ⁽¹¹⁾

11 73 Patient Care Equipment ^(11 70)

11 73 23 Patient Lift ^(11 73)

11 73 23 00-0001 Ceiling Patient Lift ^(11 73 23)		
11 73 23 00-0002 EA Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift.....	13,318.42	
Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.		

11 80 Facility Maintenance and Operation Equipment ⁽¹¹⁾

11 81 Maintenance Equipment ^(11 80)

11 81 29 Facility Fall Protection ^(11 81)

11 81 29 00-0001 Safety And Tie-Back Anchors ^(11 81 29)		
Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0050 for engineering testing and inspection.		
11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors ^(11 81 29 00-0001)		
Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003 EA Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	777.84	90.94
Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
For Stainless Steel Pad Eye, Add		40.00
For Foam Insulation Filled HSS Tube, Add		10.00
11 81 29 00-0004 EA Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	667.06	90.94
Note: Includes drilling in concrete and adhesive anchor systems.		
For Stainless Steel Pad Eye, Add		40.00
For Foam Insulation Filled HSS Tube, Add		10.00
11 81 29 00-0005 EA Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	478.90	81.10
For Stainless Steel Pad Eye, Add		40.00
For Foam Insulation Filled HSS Tube, Add		10.00
11 81 29 00-0006 Wall Mounted, Safety And Tie-Back Anchor ^(11 81 29 00-0001)		
Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		

11	11 Equipment
	11 80 Facility Maintenance and Operation Equipment
	11 81 Maintenance Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 81 29 00-0007	EA		Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	549.24	90.94
			<i>For Stainless Steel Pad Eye, Add</i>	40.00	
11 81 29 00-0008	EA		Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	494.76	90.94
			<i>For Stainless Steel Pad Eye, Add</i>	40.00	
11 81 29 00-0009	EA		Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) <i>For Stainless Steel Pad Eye, Add</i>	420.25	81.10
				40.00	
11 81 29 00-0010			Safety And Tie-Back Anchor Accessories <small>(11 81 29 00-0001)</small>		
11 81 29 00-0011	EA		Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) Note: One cut sheet required per order.	426.54	

11 82 Facility Solid Waste Handling Equipment (11 80)

11 82 19 Packaged Incinerators (11 82)

11 82 19 00-0001			Electric Incinerator <small>(11 82 19)</small>		
11 82 19 00-0002	EA		Electric Package Incinerator, 100 LB/Hour	41,432.32	1,043.05
11 82 19 00-0003	EA		Electric Package Incinerator, 400 LB/Hour	84,783.73	2,086.11
11 82 19 00-0004	EA		Electric Package Incinerator, 1,000 LB/Hour	287,276.24	3,129.16

11 82 26 Facility Waste Compactors (11 82)

11 82 26 00-0001			Waste Compactors <small>(11 82 26)</small>		
11 82 26 00-0002			110 Volt Compactors <small>(11 82 26 00-0001)</small>		
11 82 26 00-0003	EA		Waste Compactor, 110 Volt At 75 LB/Hour	22,564.95	549.76
11 82 26 00-0004	EA		Waste Compactor, 110 Volt At 250 LB/Hour	28,224.46	1,319.41
11 82 26 00-0005			230 Volt Compactors <small>(11 82 26 00-0001)</small>		
11 82 26 00-0006	EA		Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed	28,049.88	1,759.22
11 82 26 00-0007	EA		Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed	31,539.29	2,308.97
11 82 26 00-0008			Trash Compactors <small>(11 82 26)</small>		
11 82 26 00-0009	EA		Trash Compactor, Small	4,014.24	361.23
11 82 26 00-0010	EA		Trash Compactor, Large	4,937.78	408.78

11 90 Other Equipment (11)

11 98 Detention Equipment (11 90)

11 98 12 Detention Doors and Frames (11 98)

11 98 12 00-0001			Metal Frames <small>(11 98 12)</small>		
			Note: Combination buck, jamb, and trim, fully seam welded.		
11 98 12 00-0002			Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4" <small>(11 98 12 00-0001)</small>		
11 98 12 00-0003	EA		2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	541.99	189.38
11 98 12 00-0004	EA		2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	541.99	189.38
11 98 12 00-0005	EA		2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	541.99	189.38
11 98 12 00-0006	EA		2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	541.99	189.38
11 98 12 00-0007	EA		3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	545.19	189.38
11 98 12 00-0008	EA		3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	545.19	189.38
11 98 12 00-0009	EA		6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	804.50	303.11
11 98 12 00-0010	EA		2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	551.59	189.38
11 98 12 00-0011	EA		2'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	551.59	189.38
11 98 12 00-0012	EA		2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	551.59	189.38
11 98 12 00-0013	EA		2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	561.18	189.38
11 98 12 00-0014	EA		3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	687.47	252.55
11 98 12 00-0015	EA		3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	687.47	252.55
11 98 12 00-0016	EA		6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	823.69	303.11
11 98 12 00-0017	EA		2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	551.59	189.38
11 98 12 00-0018	EA		2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	551.59	189.38
11 98 12 00-0019	EA		2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	551.59	189.38
11 98 12 00-0020	EA		2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	551.59	189.38
11 98 12 00-0021	EA		3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	554.79	189.38
11 98 12 00-0022	EA		3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	554.79	189.38
11 98 12 00-0023	EA		6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	814.10	303.11
11 98 12 00-0024			Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4" <small>(11 98 12 00-0001)</small>		
11 98 12 00-0025	EA		2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	551.58	189.38



Equipment	11	
Other Equipment	11 90	11
Detention Equipment	11 98	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0026 EA 2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	551.58	189.38
11 98 12 00-0027 EA 2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	551.58	189.38
11 98 12 00-0028 EA 2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	551.58	189.38
11 98 12 00-0029 EA 3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	557.98	189.38
11 98 12 00-0030 EA 3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	557.98	189.38
11 98 12 00-0031 EA 6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	814.09	303.11
11 98 12 00-0032 EA 2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	551.58	189.38
11 98 12 00-0033 EA 2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	551.58	189.38
11 98 12 00-0034 EA 2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	561.17	189.38
11 98 12 00-0035 EA 2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	561.17	189.38
11 98 12 00-0036 EA 3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	687.46	252.55
11 98 12 00-0037 EA 3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	687.46	252.55
11 98 12 00-0038 EA 6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	959.72	336.57
11 98 12 00-0039 EA 2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	561.17	189.38
11 98 12 00-0040 EA 2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	561.17	189.38
11 98 12 00-0041 EA 2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	561.17	189.38
11 98 12 00-0042 EA 2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	561.17	189.38
11 98 12 00-0043 EA 3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	564.37	189.38
11 98 12 00-0044 EA 3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	564.37	189.38
11 98 12 00-0045 EA 6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	823.68	303.11

11 98 12 00-0046 Metal Detention Doors (11 98 12)
 Note: Flush type reinforced with stiffeners.

11 98 12 00-0047 10 Gauge 1-3/4" Metal Detention Door (11 98 12 00-0046)

11 98 12 00-0048 EA 2' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door.....	814.12	67.29
11 98 12 00-0049 EA 2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	823.83	67.29
11 98 12 00-0050 EA 2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	833.53	67.29
11 98 12 00-0051 EA 2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	843.24	67.29
11 98 12 00-0052 EA 3' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door.....	852.94	67.29
11 98 12 00-0053 EA 3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	901.47	67.29
11 98 12 00-0054 EA 2' x 7' x 1-3/4" 10 Gauge Metal Detention Door	874.49	67.29
11 98 12 00-0055 EA 2'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	884.58	67.29
11 98 12 00-0056 EA 2'-6" x 7' x 1-3/4" 10 Gauge Metal Detention Door	890.92	67.29
11 98 12 00-0057 EA 2'-8" x 7' x 1-3/4" 10 Gauge Metal Detention Door.....	979.31	67.29
11 98 12 00-0058 EA 3' x 7' x 1-3/4" 10 Gauge Metal Detention Door	1,192.65	67.29
11 98 12 00-0059 EA 3'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door.....	1,302.39	67.29
11 98 12 00-0060 EA 2' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door.....	848.09	67.29
11 98 12 00-0061 EA 2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	857.79	67.29
11 98 12 00-0062 EA 2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	867.50	67.29
11 98 12 00-0063 EA 2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	877.21	67.29
11 98 12 00-0064 EA 3' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door.....	886.91	67.29
11 98 12 00-0065 EA 3'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door.....	935.44	67.29

11 98 12 00-0066 Pneumatic Door Operators (11 98 12)

11 98 12 00-0067 EA Pneumatic Detention Cell Entry Door Operator With Hardware Set	5,808.55	
11 98 12 00-0068 EA Pneumatic Special Housing Detention Cell Door Operator With Hardware Set.....	6,484.93	
11 98 12 00-0069 EA Pneumatic MS Detention Cell Door Operator With Hardware Set	8,529.85	
11 98 12 00-0070 EA Pneumatic Sally Port Detention Door Operator With Hardware Set.....	9,971.33	
11 98 12 00-0071 EA Pneumatic Corridor Detention Door Operator With Hardware Set.....	12,797.84	
11 98 12 00-0072 EA Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves	6,168.82	

11 98 12 00-0073 Security Doors And Frame Assembly (11 98 12)

11 98 12 00-0074 EA 2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Security Detention Doors And Frames	13,335.32	448.36
Note: Complete, with hardware, single plate.		
For 5' x 15-1/2" Opening Food Pass Assembly, Add	105.00	
11 98 12 00-0075 EA 2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Security Detention Doors And Frames	16,256.27	445.48
Note: Complete, with hardware, double plate.		
For 5' x 15-1/2" Opening Food Pass Assembly, Add	105.00	

END OF SECTION 11

11	11	Equipment
	11 90	Other Equipment
	11 98	Detention Equipment



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

THIS PAGE INTENTIONALLY LEFT BLANK



Special Construction	13	13
Special Purpose Rooms	13 20	
Controlled Environment Rooms	13 21	

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

13 Special Construction

13 20 Special Purpose Rooms ⁽¹³⁾

13 21 Controlled Environment Rooms ^(13 20)

13 21 26 Cold Storage Rooms ^(13 21)

13 21 26 13 Walk-in Coolers ^(13 21 26) See CSI section 11 41 23 00-0000 for walk-in coolers.

13 30 Special Structures ⁽¹³⁾

13 34 Fabricated Engineered Structures ^(13 30)

13 34 19 Metal Building Systems ^(13 34)

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings ^(13 34 19)

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 13 34 19 00-0109 for metal building options.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0002)

13 34 19 00-0004	GSF 10' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	31.90	7.57
	For 30' To 49' In Length Only, Add	3.53	
	For 50' To 69' In Length Only, Add	1.93	
	For 70' To 99' In Length Only, Add	0.79	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.96	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.60	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.39	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.11	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.83	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.06	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.66	
	For Single Slope Frame Roof, Add	2.21	
	For Each SF Of 24 Gauge Wall Panel, Add	0.94	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.05	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0005	GSF 12' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	34.03	8.32
	For 30' To 49' In Length Only, Add	3.64	
	For 50' To 69' In Length Only, Add	1.98	
	For 70' To 99' In Length Only, Add	0.82	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.02	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.70	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.55	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.32	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.08	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.47	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.17	
	For Single Slope Frame Roof, Add	2.27	
	For Each SF Of 24 Gauge Wall Panel, Add	1.00	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.14	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0006	GSF 14' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	36.40	9.19
	For 30' To 49' In Length Only, Add	3.74	
	For 50' To 69' In Length Only, Add	2.04	
	For 70' To 99' In Length Only, Add	0.84	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.09	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.82	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.73	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.55	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.37	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.92	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.74	
	For Single Slope Frame Roof, Add	2.34	
	For Each SF Of 24 Gauge Wall Panel, Add	1.07	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.25	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0007	GSF 16' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	39.08	10.04
	For 30' To 49' In Length Only, Add	3.97	
	For 50' To 69' In Length Only, Add	2.14	
	For 70' To 99' In Length Only, Add	0.88	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.17	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.95	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.93	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.81	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.69	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.43	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.38	
	For Single Slope Frame Roof, Add	2.45	
	For Each SF Of 24 Gauge Wall Panel, Add	1.14	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.35	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0008	GSF 18' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	41.88	10.91
	For 30' To 49' In Length Only, Add	4.11	
	For 50' To 69' In Length Only, Add	2.24	
	For 70' To 99' In Length Only, Add	0.93	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.26	
	For >3 In 12 Slope To 5 In 12 Slope, Add	2.09	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.14	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.08	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.03	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.96	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	10.05	
	For Single Slope Frame Roof, Add	2.57	
	For Each SF Of 24 Gauge Wall Panel, Add	1.22	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.46	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0009	GSF 20' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	46.32	11.71
	For 30' To 49' In Length Only, Add	4.74	
	For 50' To 69' In Length Only, Add	2.59	
	For 70' To 99' In Length Only, Add	1.07	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.39	
	For >3 In 12 Slope To 5 In 12 Slope, Add	2.32	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.47	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.52	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.56	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	8.80	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	11.12	
	For Single Slope Frame Roof, Add	2.96	
	For Each SF Of 24 Gauge Wall Panel, Add	1.36	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.56	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0010	GSF 24' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	51.83	13.43
	For 30' To 49' In Length Only, Add	5.16	
	For 50' To 69' In Length Only, Add	2.82	
	For 70' To 99' In Length Only, Add	1.16	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.55	
	For >3 In 12 Slope To 5 In 12 Slope, Add	2.59	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.89	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	5.05	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.22	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	9.85	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	12.44	
	For Single Slope Frame Roof, Add	3.22	
	For Each SF Of 24 Gauge Wall Panel, Add	1.51	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.77	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0011 >30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings

(13 34 19 00-0002)



Special Construction	13	13
Special Structures	13 30	
Fabricated Engineered Structures	13 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0012 GSF 10' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	27.40	6.03
For 30' To 49' In Length Only, Add	3.30	
For 50' To 69' In Length Only, Add	1.80	
For 70' To 99' In Length Only, Add	0.74	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.82	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.37	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.06	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.67	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.29	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.21	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.58	
For Single Slope Frame Roof, Add	2.06	
For Each SF Of 24 Gauge Wall Panel, Add	0.82	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.85	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0013 GSF 12' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	29.11	6.57
For 30' To 49' In Length Only, Add	3.39	
For 50' To 69' In Length Only, Add	1.85	
For 70' To 99' In Length Only, Add	0.76	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.87	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.46	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.18	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.84	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.49	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.53	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.99	
For Single Slope Frame Roof, Add	2.12	
For Each SF Of 24 Gauge Wall Panel, Add	0.87	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.92	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0014 GSF 14' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	30.59	7.12
For 30' To 49' In Length Only, Add	3.47	
For 50' To 69' In Length Only, Add	1.89	
For 70' To 99' In Length Only, Add	0.78	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.92	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.53	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.29	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.98	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.67	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.81	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.34	
For Single Slope Frame Roof, Add	2.17	
For Each SF Of 24 Gauge Wall Panel, Add	0.91	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.99	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0015 GSF 16' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	32.77	7.76
For 30' To 49' In Length Only, Add	3.65	
For 50' To 69' In Length Only, Add	1.99	
For 70' To 99' In Length Only, Add	0.82	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.98	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.64	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.46	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.20	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.93	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.23	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.86	
For Single Slope Frame Roof, Add	2.28	
For Each SF Of 24 Gauge Wall Panel, Add	0.97	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.07	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0016 GSF 18' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	35.55	8.32
For 30' To 49' In Length Only, Add	4.00	
For 50' To 69' In Length Only, Add	2.18	
For 70' To 99' In Length Only, Add	0.90	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.07	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.78	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.67	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.47	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.27	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.75	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.53	
For Single Slope Frame Roof, Add	2.50	
For Each SF Of 24 Gauge Wall Panel, Add	1.06	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.14	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0017	GSF 20' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	38.04	8.89
	For 30' To 49' In Length Only, Add	4.25	
	For 50' To 69' In Length Only, Add	2.32	
	For 70' To 99' In Length Only, Add	0.96	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.14	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.90	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.85	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.71	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.56	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.23	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.13	
	For Single Slope Frame Roof, Add	2.66	
	For Each SF Of 24 Gauge Wall Panel, Add	1.13	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.22	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0018	GSF 24' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	41.50	10.04
	For 30' To 49' In Length Only, Add	4.49	
	For 50' To 69' In Length Only, Add	2.45	
	For 70' To 99' In Length Only, Add	1.01	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.25	
	For >3 In 12 Slope To 5 In 12 Slope, Add	2.08	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.11	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.05	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.98	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.89	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.96	
	For Single Slope Frame Roof, Add	2.81	
	For Each SF Of 24 Gauge Wall Panel, Add	1.22	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.35	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0019	>50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
	(13 34 19 00-0002)		
13 34 19 00-0020	GSF 10' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	21.51	4.20
	For 30' To 49' In Length Only, Add	2.88	
	For 50' To 69' In Length Only, Add	1.57	
	For 70' To 99' In Length Only, Add	0.65	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.08	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.10	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.58	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.09	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.16	
	For Single Slope Frame Roof, Add	1.80	
	For Each SF Of 24 Gauge Wall Panel, Add	0.66	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.62	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021	GSF 12' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	22.38	4.41
	For 30' To 49' In Length Only, Add	2.97	
	For 50' To 69' In Length Only, Add	1.62	
	For 70' To 99' In Length Only, Add	0.67	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.12	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.68	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.18	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.69	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.25	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.37	
	For Single Slope Frame Roof, Add	1.86	
	For Each SF Of 24 Gauge Wall Panel, Add	0.68	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.65	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0022 GSF 14' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	23.22	4.62
For 30' To 49' In Length Only, Add	3.06	
For 50' To 69' In Length Only, Add	1.67	
For 70' To 99' In Length Only, Add	0.69	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.70	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.16	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.74	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.26	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.79	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.41	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.57	
For Single Slope Frame Roof, Add	1.91	
For Each SF Of 24 Gauge Wall Panel, Add	0.71	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.68	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0023 GSF 16' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.59	5.33
For 30' To 49' In Length Only, Add	3.24	
For 50' To 69' In Length Only, Add	1.77	
For 70' To 99' In Length Only, Add	0.73	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.77	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.28	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.92	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.50	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.07	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.86	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.14	
For Single Slope Frame Roof, Add	2.02	
For Each SF Of 24 Gauge Wall Panel, Add	0.77	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.77	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0024 GSF 18' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.44	5.94
For 30' To 49' In Length Only, Add	3.35	
For 50' To 69' In Length Only, Add	1.83	
For 70' To 99' In Length Only, Add	0.75	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.82	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.37	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.06	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.68	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.29	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.21	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.59	
For Single Slope Frame Roof, Add	2.09	
For Each SF Of 24 Gauge Wall Panel, Add	0.83	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.84	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0025 GSF 20' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	29.18	6.54
For 30' To 49' In Length Only, Add	3.44	
For 50' To 69' In Length Only, Add	1.88	
For 70' To 99' In Length Only, Add	0.77	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.88	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.46	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.19	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.85	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.50	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.54	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.00	
For Single Slope Frame Roof, Add	2.15	
For Each SF Of 24 Gauge Wall Panel, Add	0.87	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.92	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0026 GSF 24' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	32.49	7.40
For 30' To 49' In Length Only, Add	3.77	
For 50' To 69' In Length Only, Add	2.06	
For 70' To 99' In Length Only, Add	0.85	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.97	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.62	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.44	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.17	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.90	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.17	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.80	
For Single Slope Frame Roof, Add	2.35	
For Each SF Of 24 Gauge Wall Panel, Add	0.97	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.02	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0027			Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0001)</small> Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0028			20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0027)</small>		
13 34 19 00-0029	GSF		10' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	27.84	6.03
			For 30' To 49' In Length Only, Add	3.40	
			For 50' To 69' In Length Only, Add	1.86	
			For 70' To 99' In Length Only, Add	0.77	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.84	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.39	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.09	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.71	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.34	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.29	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.68	
			For Each SF Of 24 Gauge Wall Panel, Add	0.84	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.85	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0030	GSF		12' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	29.87	6.58
			For 30' To 49' In Length Only, Add	3.59	
			For 50' To 69' In Length Only, Add	1.96	
			For 70' To 99' In Length Only, Add	0.81	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.90	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.49	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.24	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.91	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.58	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.68	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.17	
			For Each SF Of 24 Gauge Wall Panel, Add	0.90	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.92	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0031	GSF		14' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	31.86	7.12
			For 30' To 49' In Length Only, Add	3.77	
			For 50' To 69' In Length Only, Add	2.06	
			For 70' To 99' In Length Only, Add	0.85	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.96	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.59	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.39	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.11	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.82	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.05	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.65	
			For Each SF Of 24 Gauge Wall Panel, Add	0.95	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.99	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0032	GSF		16' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	34.46	7.76
			For 30' To 49' In Length Only, Add	4.05	
			For 50' To 69' In Length Only, Add	2.21	
			For 70' To 99' In Length Only, Add	0.91	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.03	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.72	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.58	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.36	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.14	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.55	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.27	
			For Each SF Of 24 Gauge Wall Panel, Add	1.03	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.07	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0033	GSF		18' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	36.73	8.35
			For 30' To 49' In Length Only, Add	4.27	
			For 50' To 69' In Length Only, Add	2.33	
			For 70' To 99' In Length Only, Add	0.96	
			For >1 In 12 Slope To 3 In 12 Slope, Add	1.10	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.84	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.75	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.58	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.41	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.98	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.82	
			For Each SF Of 24 Gauge Wall Panel, Add	1.10	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	1.14	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0034 GSF 20' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	38.98	8.96
<i>For 30' To 49' In Length Only, Add</i>	4.48	
<i>For 50' To 69' In Length Only, Add</i>	2.44	
<i>For 70' To 99' In Length Only, Add</i>	1.01	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	1.17	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.95	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.92	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	3.80	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.68	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	7.41	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	9.36	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	1.16	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	1.22	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0035 GSF 24' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	43.61	10.22
<i>For 30' To 49' In Length Only, Add</i>	4.90	
<i>For 50' To 69' In Length Only, Add</i>	2.68	
<i>For 70' To 99' In Length Only, Add</i>	1.10	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	1.31	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	2.18	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	3.27	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	4.25	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.23	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	8.29	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	10.47	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	1.29	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	1.37	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0036 >30' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0027)</small>		
13 34 19 00-0037 GSF 10' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	25.13	5.33
<i>For 30' To 49' In Length Only, Add</i>	3.12	
<i>For 50' To 69' In Length Only, Add</i>	1.71	
<i>For 70' To 99' In Length Only, Add</i>	0.70	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.75	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.26	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.88	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.45	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.02	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.77	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.03	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.76	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.77	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0038 GSF 12' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	26.78	5.82
<i>For 30' To 49' In Length Only, Add</i>	3.25	
<i>For 50' To 69' In Length Only, Add</i>	1.78	
<i>For 70' To 99' In Length Only, Add</i>	0.73	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.80	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.34	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.01	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.61	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.21	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.09	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.43	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.81	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.83	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0039 GSF 14' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	28.40	6.31
<i>For 30' To 49' In Length Only, Add</i>	3.38	
<i>For 50' To 69' In Length Only, Add</i>	1.84	
<i>For 70' To 99' In Length Only, Add</i>	0.76	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.85	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.42	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.13	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.77	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.41	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.40	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.82	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.85	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.89	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

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

13 34 19 00-0040	GSF		16' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	30.20	6.78
			<i>For 30' To 49' In Length Only, Add</i>	3.56	
			<i>For 50' To 69' In Length Only, Add</i>	1.94	
			<i>For 70' To 99' In Length Only, Add</i>	0.80	
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.91	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.51	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.27	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.94	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.62	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.74	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	7.25	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.90	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.95	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0041	GSF		18' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	31.99	7.27
			<i>For 30' To 49' In Length Only, Add</i>	3.72	
			<i>For 50' To 69' In Length Only, Add</i>	2.03	
			<i>For 70' To 99' In Length Only, Add</i>	0.84	
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.96	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.60	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.40	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	3.12	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.84	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	6.08	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	7.68	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.95	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	1.01	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0042	GSF		20' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	33.77	7.76
			<i>For 30' To 49' In Length Only, Add</i>	3.89	
			<i>For 50' To 69' In Length Only, Add</i>	2.12	
			<i>For 70' To 99' In Length Only, Add</i>	0.87	
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	1.01	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.69	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.53	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	3.29	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.05	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	6.42	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	8.10	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	1.01	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	1.07	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0043	GSF		24' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	37.77	8.84
			<i>For 30' To 49' In Length Only, Add</i>	4.25	
			<i>For 50' To 69' In Length Only, Add</i>	2.32	
			<i>For 70' To 99' In Length Only, Add</i>	0.96	
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	1.13	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.89	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.83	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	3.68	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.53	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	7.18	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	9.06	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	1.12	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	1.20	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0044			>50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0027)</small>		
13 34 19 00-0045	GSF		10' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.93	4.20
			<i>For 30' To 49' In Length Only, Add</i>	2.98	
			<i>For 50' To 69' In Length Only, Add</i>	1.63	
			<i>For 70' To 99' In Length Only, Add</i>	0.67	
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.66	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.10	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.64	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.14	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.63	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.17	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.26	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.67	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.62	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	



Special Construction	13	13
Special Structures	13 30	
Fabricated Engineered Structures	13 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0046 GSF 12' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	23.10	4.48
For 30' To 49' In Length Only, Add	3.11	
For 50' To 69' In Length Only, Add	1.70	
For 70' To 99' In Length Only, Add	0.70	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.69	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.16	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.73	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.25	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.77	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.39	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.54	
For Each SF Of 24 Gauge Wall Panel, Add	0.71	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.66	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0047 GSF 14' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	24.23	4.76
For 30' To 49' In Length Only, Add	3.22	
For 50' To 69' In Length Only, Add	1.76	
For 70' To 99' In Length Only, Add	0.73	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.73	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.21	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.82	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.36	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.91	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.60	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.82	
For Each SF Of 24 Gauge Wall Panel, Add	0.74	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.69	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0048 GSF 16' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	25.48	5.05
For 30' To 49' In Length Only, Add	3.36	
For 50' To 69' In Length Only, Add	1.84	
For 70' To 99' In Length Only, Add	0.76	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.76	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.27	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.91	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.48	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.06	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.84	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.12	
For Each SF Of 24 Gauge Wall Panel, Add	0.78	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.73	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0049 GSF 18' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	27.03	5.40
For 30' To 49' In Length Only, Add	3.55	
For 50' To 69' In Length Only, Add	1.94	
For 70' To 99' In Length Only, Add	0.80	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.81	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.35	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.03	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.64	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.24	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.14	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.49	
For Each SF Of 24 Gauge Wall Panel, Add	0.82	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.77	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0050 GSF 20' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	28.46	5.69
For 30' To 49' In Length Only, Add	3.74	
For 50' To 69' In Length Only, Add	2.04	
For 70' To 99' In Length Only, Add	0.84	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.85	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.42	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.13	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.77	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.42	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.41	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.83	
For Each SF Of 24 Gauge Wall Panel, Add	0.87	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.81	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
13 34 19 00-0051	GSF	24' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	31.72		6.46
		<i>For 30' To 49' In Length Only, Add</i>	4.10		
		<i>For 50' To 69' In Length Only, Add</i>	2.24		
		<i>For 70' To 99' In Length Only, Add</i>	0.92		
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.95		
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.59		
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.38		
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	3.09		
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.81		
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	6.03		
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	7.61		
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.96		
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76		
		<i>For Each SF Of Hip Roof, Add</i>	0.91		
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97		
13 34 19 00-0052		Single Post 2-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0001)</small>			
		Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.			
13 34 19 00-0053		Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings			
		<small>(13 34 19 00-0052)</small>			
13 34 19 00-0054	GSF	14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.84		4.94
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.69		
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.14		
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.71		
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.23		
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.74		
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.34		
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.48		
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.69		
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76		
		<i>For Each SF Of Hip Roof, Add</i>	0.72		
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97		
13 34 19 00-0055	GSF	16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	24.37		5.28
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.73		
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.22		
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.83		
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.38		
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.92		
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.63		
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.85		
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.73		
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76		
		<i>For Each SF Of Hip Roof, Add</i>	0.76		
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97		
13 34 19 00-0056	GSF	18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	25.58		5.57
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.77		
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.28		
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.92		
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.49		
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.07		
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.86		
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.14		
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.77		
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76		
		<i>For Each SF Of Hip Roof, Add</i>	0.79		
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97		
13 34 19 00-0057	GSF	20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	26.78		5.86
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.80		
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.34		
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.01		
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.61		
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.21		
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.09		
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.43		
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.80		
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76		
		<i>For Each SF Of Hip Roof, Add</i>	0.83		
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97		
13 34 19 00-0058	GSF	24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	29.01		6.36
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.87		
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.45		
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.18		
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.83		
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.48		
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.51		
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.96		
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.87		
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76		
		<i>For Each SF Of Hip Roof, Add</i>	0.89		
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97		
13 34 19 00-0059		>60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0052)</small>			



Special Construction	13	13
Special Structures	13 30	
Fabricated Engineered Structures	13 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0060 GSF 14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	21.22	4.37
For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.06	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.59	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.07	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.55	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.03	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.09	
For Each SF Of 24 Gauge Wall Panel, Add	0.64	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.64	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0061 GSF 16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	22.58	4.65
For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.13	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.69	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.20	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.71	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.29	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.42	
For Each SF Of 24 Gauge Wall Panel, Add	0.68	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.68	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0062 GSF 18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	23.80	4.94
For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.19	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.79	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.32	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.86	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.52	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.71	
For Each SF Of 24 Gauge Wall Panel, Add	0.72	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.72	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0063 GSF 20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	24.86	5.16
For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.24	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.86	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.42	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.98	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.72	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.97	
For Each SF Of 24 Gauge Wall Panel, Add	0.75	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.74	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0064 GSF 24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	26.90	5.63
For >1 In 12 Slope To 3 In 12 Slope, Add	0.81	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.35	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.02	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.62	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.23	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.11	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.46	
For Each SF Of 24 Gauge Wall Panel, Add	0.81	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.80	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0065 >80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0066 GSF 14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.72	3.84
For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.99	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.48	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.92	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.37	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.75	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.73	
For Each SF Of 24 Gauge Wall Panel, Add	0.60	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.58	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

13 34 19 00-0067	GSF 16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.66	4.01
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.03	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.55	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.01	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.48	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.93	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.96	
	For Each SF Of 24 Gauge Wall Panel, Add	0.63	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.60	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0068	GSF 18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	21.76	4.25
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.09	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.63	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.12	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.61	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.13	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.22	
	For Each SF Of 24 Gauge Wall Panel, Add	0.67	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.63	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0069	GSF 20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.69	4.42
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.13	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.70	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.21	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.72	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.31	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.45	
	For Each SF Of 24 Gauge Wall Panel, Add	0.69	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.65	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0070	GSF 24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	24.56	4.82
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.74	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.23	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.84	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.39	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.95	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.67	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.89	
	For Each SF Of 24 Gauge Wall Panel, Add	0.75	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.70	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0071 >100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)

13 34 19 00-0072	GSF 14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.23	3.67
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.96	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.44	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.87	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.31	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.65	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.62	
	For Each SF Of 24 Gauge Wall Panel, Add	0.59	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.56	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0073	GSF 16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.99	3.84
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.00	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.50	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.95	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.40	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.80	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.80	
	For Each SF Of 24 Gauge Wall Panel, Add	0.61	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.58	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



Special Construction	13	13
Special Structures	13 30	
Fabricated Engineered Structures	13 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0074 GSF 18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.91	4.01
For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.57	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.04	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.51	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.97	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.02	
For Each SF Of 24 Gauge Wall Panel, Add	0.64	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0075 GSF 20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	21.79	4.20
For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.09	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.63	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.12	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.61	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.14	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.23	
For Each SF Of 24 Gauge Wall Panel, Add	0.67	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.62	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0076 GSF 24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	23.64	4.54
For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.18	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.77	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.30	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.84	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.49	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.67	
For Each SF Of 24 Gauge Wall Panel, Add	0.72	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.67	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0077 Double Post 3-Span Frame Pre-Engineered Metal Buildings <small>(13.34.19.00-0001)</small>		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0078 Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings <small>(13.34.19.00-0077)</small>		
13 34 19 00-0079 GSF 14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	19.03	3.84
For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.43	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.86	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.28	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.62	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.57	
For Each SF Of 24 Gauge Wall Panel, Add	0.58	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.58	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0080 GSF 16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	19.77	4.01
For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.99	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.48	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.93	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.37	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.76	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.74	
For Each SF Of 24 Gauge Wall Panel, Add	0.60	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0081 GSF 18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	19.88	3.90
For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.99	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.49	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.94	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.39	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.78	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.77	
For Each SF Of 24 Gauge Wall Panel, Add	0.61	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.59	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0082	GSF	20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	20.68	4.07
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.62	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.03	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.55	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.02	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.48	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.93	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.96	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.63	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.61	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0083	GSF	24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	23.27	4.37
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.70	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.16	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.75	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.27	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.79	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.42	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.58	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.72	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.64	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0084		>120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0077)</small>		
13 34	19 00-0085	GSF	14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	18.00	3.50
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.54	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.90	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.35	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.76	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.16	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.42	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.32	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.55	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.54	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0086	GSF	16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	18.60	3.62
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.56	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.93	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.40	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.81	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.23	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.53	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.46	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.57	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.55	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0087	GSF	18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	19.31	3.76
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.58	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.97	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.45	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.88	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.32	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.67	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.63	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.59	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.57	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0088	GSF	20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	19.99	3.90
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.60	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.00	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.50	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.95	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.40	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.80	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.80	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.61	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.59	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0089 GSF 24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	22.56	4.20
For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.13	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.69	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.20	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.71	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.29	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.41	
For Each SF Of 24 Gauge Wall Panel, Add	0.69	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.62	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0001)</small>		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building		
<small>(13 34 19 00-0090)</small>		
13 34 19 00-0092 GSF 14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.29	3.33
For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.86	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.30	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.69	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.07	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.29	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.15	
For Each SF Of 24 Gauge Wall Panel, Add	0.53	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.52	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0093 GSF 16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	18.01	3.45
For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.35	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.76	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.16	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.42	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.32	
For Each SF Of 24 Gauge Wall Panel, Add	0.55	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.53	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0094 GSF 18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	18.62	3.56
For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.40	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.82	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.23	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.54	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.47	
For Each SF Of 24 Gauge Wall Panel, Add	0.57	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.54	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0095 GSF 20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	19.20	3.67
For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.96	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.44	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.87	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.30	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.65	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.61	
For Each SF Of 24 Gauge Wall Panel, Add	0.59	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.56	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0096 GSF 24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	21.77	4.01
For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.09	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.63	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.12	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.61	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.14	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.22	
For Each SF Of 24 Gauge Wall Panel, Add	0.67	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.60	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building <small>(13 34 19 00-0090)</small>		

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0098	GSF	14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding <i>For >1 In 12 Slope To 3 In 12 Slope, Add</i> <i>For >3 In 12 Slope To 5 In 12 Slope, Add</i> <i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i> <i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i> <i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i> <i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i> <i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i> <i>For Each SF Of 24 Gauge Wall Panel, Add</i> <i>For Each SF Of Lap Roof, Deduct</i> <i>For Each SF Of Hip Roof, Add</i> <i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	17.06 0.51 0.85 1.28 1.66 2.05 3.24 4.09 0.52 -0.76 0.50 -1.97	3.22
13 34	19 00-0099	GSF	16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding <i>For >1 In 12 Slope To 3 In 12 Slope, Add</i> <i>For >3 In 12 Slope To 5 In 12 Slope, Add</i> <i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i> <i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i> <i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i> <i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i> <i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i> <i>For Each SF Of 24 Gauge Wall Panel, Add</i> <i>For Each SF Of Lap Roof, Deduct</i> <i>For Each SF Of Hip Roof, Add</i> <i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	17.66 0.53 0.88 1.32 1.72 2.12 3.36 4.24 0.54 -0.76 0.52 -1.97	3.33
13 34	19 00-0100	GSF	18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding <i>For >1 In 12 Slope To 3 In 12 Slope, Add</i> <i>For >3 In 12 Slope To 5 In 12 Slope, Add</i> <i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i> <i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i> <i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i> <i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i> <i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i> <i>For Each SF Of 24 Gauge Wall Panel, Add</i> <i>For Each SF Of Lap Roof, Deduct</i> <i>For Each SF Of Hip Roof, Add</i> <i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	18.32 0.55 0.92 1.37 1.79 2.20 3.48 4.40 0.56 -0.76 0.53 -1.97	3.45
13 34	19 00-0101	GSF	20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding <i>For >1 In 12 Slope To 3 In 12 Slope, Add</i> <i>For >3 In 12 Slope To 5 In 12 Slope, Add</i> <i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i> <i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i> <i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i> <i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i> <i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i> <i>For Each SF Of 24 Gauge Wall Panel, Add</i> <i>For Each SF Of Lap Roof, Deduct</i> <i>For Each SF Of Hip Roof, Add</i> <i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	18.93 0.57 0.95 1.42 1.85 2.27 3.60 4.54 0.58 -0.76 0.54 -1.97	3.56
13 34	19 00-0102	GSF	24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding <i>For >1 In 12 Slope To 3 In 12 Slope, Add</i> <i>For >3 In 12 Slope To 5 In 12 Slope, Add</i> <i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i> <i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i> <i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i> <i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i> <i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i> <i>For Each SF Of 24 Gauge Wall Panel, Add</i> <i>For Each SF Of Lap Roof, Deduct</i> <i>For Each SF Of Hip Roof, Add</i> <i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	21.39 0.64 1.07 1.60 2.09 2.57 4.06 5.13 0.66 -0.76 0.58 -1.97	3.84
13 34	19 00-0103		>180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0090)</small>		
13 34	19 00-0104	GSF	14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding <i>For >1 In 12 Slope To 3 In 12 Slope, Add</i> <i>For >3 In 12 Slope To 5 In 12 Slope, Add</i> <i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i> <i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i> <i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i> <i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i> <i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i> <i>For Each SF Of 24 Gauge Wall Panel, Add</i> <i>For Each SF Of Lap Roof, Deduct</i> <i>For Each SF Of Hip Roof, Add</i> <i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	16.85 0.51 0.84 1.26 1.64 2.02 3.20 4.04 0.52 -0.76 0.49 -1.97	3.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0105 GSF 16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.35	3.22
For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.87	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.30	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.69	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.08	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.30	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.16	
For Each SF Of 24 Gauge Wall Panel, Add	0.53	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.50	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0106 GSF 18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	18.02	3.33
For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.35	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.76	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.16	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.42	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.32	
For Each SF Of 24 Gauge Wall Panel, Add	0.56	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.52	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0107 GSF 20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	18.67	3.45
For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.40	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.82	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.24	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.55	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.48	
For Each SF Of 24 Gauge Wall Panel, Add	0.58	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.53	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0108 GSF 24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	21.14	3.73
For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.06	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.59	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.06	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.54	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.02	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.07	
For Each SF Of 24 Gauge Wall Panel, Add	0.66	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.57	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0109 Metal Building Options <small>(13 34 19 00-0001)</small>		
Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors.		
13 34 19 00-0110 Metal Framing For Rough Openings <small>(13 34 19 00-0109)</small>		
Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors.		
13 34 19 00-0111 EA Single Door, Metal Frame Rough Opening	528.96	128.60
13 34 19 00-0112 EA Double Door, Metal Frame Rough Opening	808.50	166.49
13 34 19 00-0113 EA 10' x 10' Overhead Door, Metal Frame Rough Opening	963.80	157.87
13 34 19 00-0114 EA 12' x 12' Overhead Door, Metal Frame Rough Opening	1,041.86	160.74
13 34 19 00-0115 EA 14' x 14' Overhead Door, Metal Frame Rough Opening	1,106.99	166.49
13 34 19 00-0116 EA Up To 12 SF, Window Opening, Metal Frame Rough Opening	508.05	128.60
13 34 19 00-0117 EA >12 To 18 SF, Window Opening, Metal Frame Rough Opening	570.27	146.17
13 34 19 00-0118 LF Additional Girts	12.88	
13 34 19 00-0119 Wall Panel Options For Metal Buildings <small>(13 34 19 00-0109)</small>		
Note: Upgrade from 26 gauge wall panels.		
13 34 19 00-0120 SF Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	14.40	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0121 SF Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	17.54	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0122 SF Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	20.36	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0123 SF Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	23.61	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0124			Roofing Options For Metal Buildings (13 34 19 00-0109) Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125	SF		Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	1.47	
13 34 19 00-0126	SF		Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42	23.75	
			Note: 24 gauge exterior and 24 gauge interior panels.		
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
13 34 19 00-0127	SF		Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42	25.27	
			Note: 24 gauge exterior and 24 gauge interior panels.		
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
13 34 19 00-0128	SF		Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42	26.49	
			Note: 24 gauge exterior and 24 gauge interior panels.		
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
13 34 19 00-0129	EA		3' x 10' Translucent Fiberglass Panels.....	171.01	49.37
13 34 19 00-0130	LF		Vented Ridge Vent For Standing Seam Roof.....	25.35	
13 34 19 00-0131			Insulation For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0132	SF		1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.36	0.41
13 34 19 00-0133	SF		2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.49	0.41
13 34 19 00-0134	SF		3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.68	0.55
13 34 19 00-0135	SF		3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.92	0.55
13 34 19 00-0136	SF		6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	2.35	0.55
13 34 19 00-0137	SF		1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.61	0.41
13 34 19 00-0138	SF		2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.74	0.41
13 34 19 00-0139	SF		3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.88	0.55
13 34 19 00-0140	SF		3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.07	0.55
13 34 19 00-0141	SF		6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	2.43	0.55
13 34 19 00-0142	SF		1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.53	0.41
13 34 19 00-0143	SF		2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.69	0.41
13 34 19 00-0144	SF		3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.97	0.55
13 34 19 00-0145	SF		3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	2.17	0.55
13 34 19 00-0146	SF		6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	2.50	0.55
13 34 19 00-0147	SF		2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.44	0.41
13 34 19 00-0148	SF		3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.52	0.41
13 34 19 00-0149	SF		4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.70	0.55
13 34 19 00-0150	SF		6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	2.09	0.55
13 34 19 00-0151	SF		2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.45	0.41
13 34 19 00-0152	SF		3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.54	0.41
13 34 19 00-0153	SF		4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.73	0.55
13 34 19 00-0154	SF		6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	2.13	0.55
13 34 19 00-0155	SF		2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.86	0.41
13 34 19 00-0156	SF		3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.98	0.41
13 34 19 00-0157	SF		4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.17	0.55
13 34 19 00-0158	SF		6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.57	0.55
13 34 19 00-0159			Eave And Overhang Options For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0160	LF		2' End Wall Roof Overhang And 26 Gauge Soffit	43.77	8.96
13 34 19 00-0161	LF		4' End Wall Roof Overhang And 26 Gauge Soffit	66.22	6.43
13 34 19 00-0162	SF		Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy	89.52	14.35
			Note: Up to 7' projection from wall. Includes finished underside and edges.		
			For End Braced (Up To 16' Wall Projection), Add	20.95	
			For Overhead Braced (Up To 10' Wall Projection), Add	11.99	
13 34 19 00-0163	SF		>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy.....	74.80	12.05
			Note: Up to 7' projection from wall. Includes finished underside and edges.		
			For End Braced (Up To 16' Wall Projection), Add	17.49	
			For Overhead Braced (Up To 10' Wall Projection), Add	10.01	
13 34 19 00-0164	SF		>50 SF, Prefinished Aluminum, Wall Hung Canopy.....	56.75	10.34
			Note: Up to 7' projection from wall. Includes finished underside and edges.		
			For End Braced (Up To 16' Wall Projection), Add	13.15	
			For Overhead Braced (Up To 10' Wall Projection), Add	7.48	
13 34 19 00-0165	SF		Up To 50 SF, Prefinished Aluminum, Free Standing Canopy	109.38	21.81
			Note: Includes finished underside and edges.		
13 34 19 00-0166	SF		>50 SF, Prefinished Aluminum, Free Standing Canopy.....	73.47	13.20
			Note: Includes finished underside and edges.		
13 34 19 00-0167	LF		1' Standard Eave Overhang Without Soffit.....	44.60	
13 34 19 00-0168	LF		2' Standard Eave Overhang Without Soffit.....	55.84	
13 34 19 00-0169	LF		3' Standard Eave Overhang Without Soffit.....	67.29	
13 34 19 00-0170	LF		4' Standard Eave Overhang Without Soffit.....	78.59	
13 34 19 00-0171	LF		6' Standard Eave Overhang Without Soffit.....	101.00	
13 34 19 00-0172	LF		1' Standard Eave Overhang And 26 Gauge Soffit.....	59.65	
			For 24 Gauge, Add	6.75	
13 34 19 00-0173	LF		2' Standard Eave Overhang And 26 Gauge Soffit.....	74.63	
			For 24 Gauge, Add	8.51	
13 34 19 00-0174	LF		3' Standard Eave Overhang And 26 Gauge Soffit.....	89.75	
			For 24 Gauge, Add	10.19	
13 34 19 00-0175	LF		4' Standard Eave Overhang And 26 Gauge Soffit.....	104.87	
			For 24 Gauge, Add	11.88	



Special Construction	13	13
Special Structures	13 30	
Fabricated Engineered Structures	13 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0176 LF 6' Standard Eave Overhang And 26 Gauge Soffit..... <i>For 24 Gauge, Add</i>	134.15 15.30	
13 34 19 00-0177 Louvers And Vents For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0178 EA 4' x 3' Fixed Louver	684.59	179.11
13 34 19 00-0179 EA 12" Rotary Vent With Damper	415.22	114.81
13 34 19 00-0180 EA 20" Rotary Vent With Damper	735.11	153.27
13 34 19 00-0181 EA 24" Rotary Vent With Damper.....	975.96	172.22
13 34 19 00-0182 EA Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10'.....	1,116.54	229.63
13 34 19 00-0183 EA Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10'.....	1,191.35	229.63
13 34 19 00-0184 EA Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen.....	1,387.20	229.63
13 34 19 00-0185 EA Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen.....	1,516.08	229.63
13 34 19 00-0186 EA Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen.....	1,657.84	229.63
13 34 19 00-0187 EA Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen.....	1,799.61	229.63
13 34 19 00-0188 EA Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen.....	2,365.51	287.04
13 34 19 00-0189 EA Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen.....	2,597.50	287.04
13 34 19 00-0190 Gutters And Downspouts For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0191 LF Pre-Engineered Standard Type Gutter, Painted..... <i>For Galvanized Instead Of Painted, Deduct</i>	12.28 -1.64	2.87
13 34 19 00-0192 LF Pre-Engineered Standard Type Downspout, Painted..... <i>For Galvanized Instead Of Painted, Deduct</i>	10.65 -0.65	4.01
13 34 23 Fabricated Structures (13 34)		
13 34 23 13 Portable and Mobile Buildings (13 34 23)		
13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building (13 34 23 13) Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002 SF 15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	561.29	
13 34 23 13-0003 SF 30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	481.43	
13 34 23 13-0004 SF 50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	385.33	
13 34 23 13-0005 SF 80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	304.89	
13 34 23 13-0006 SF 100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	272.53	
13 34 23 13-0007 Temporary Trailers 1 To 6 Years Life (13 34 23 13) Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0008 SF Single Trailer Up To 14' x 73'..... <i>For Each Delivery And Set-Up (Block And Level), Add</i> <i>For Each Knock-Down And Pick-Up, Add</i> <i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	65.22 1,355.40 1,075.40 110.00	
13 34 23 13-0009 SF Modular Trailers, Connected..... <i>For Each Anchoring Into Asphalt Or Concrete, Add</i> <i>For Each Delivery And Set-Up (Block And Level), Add</i> <i>For Each Knock-Down And Pick-Up, Add</i>	91.31 110.00 2,955.07 2,305.07	
13 34 23 13-0010 EA Add Per Additional Exterior Door With Frame And Hardware.....	978.33	
13 34 23 13-0011 Accessories (13 34 23 13)		
13 34 23 13-0012 Skirting (13 34 23 13-0011) Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0013 Vinyl Covered, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0014 SF 1'-8" High Vinyl Covered Skirt.....	5.41	2.07
13 34 23 13-0015 SF 3' High Vinyl Covered Skirt	7.95	3.42
13 34 23 13-0016 Fiberglass, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0017 SF 1'-8" High Fiberglass Skirt.....	9.21	3.91
13 34 23 13-0018 SF 3' High Fiberglass Skirt.....	10.77	4.76
13 34 23 13-0019 Plywood, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0020 SF 1'-8" High 5/8" Plywood Skirt	9.36	4.15
13 34 23 13-0021 SF 3' High 5/8" Plywood Skirt.....	11.09	5.00
13 34 23 13-0022 Steel, Painted, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0023 SF 1'-8" High 26 Gauge Steel Skirt	10.63	3.91
13 34 23 13-0024 SF 3' High 26 Gauge Steel Skirt.....	12.36	4.76
13 34 23 13-0025 14" x 14" Access Hatch (13 34 23 13-0011) Note: Simple design.		

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0026 EA 14" x 14" Vinyl Covered Access Hatch.....	267.47	91.66
13 34 23 13-0027 EA 14" x 14" Fiberglass Access Hatch	217.70	91.66
13 34 23 13-0028 EA 14" x 14" Plywood Access Hatch	265.62	91.66
13 34 23 13-0029 EA 14" x 14" 26 Gauge Steel Access Hatch.....	267.14	91.66
13 34 23 13-0030 Aluminum Modular Access Ramp <small>(13 34 23 13-0011)</small>		
Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
13 34 23 13-0031 EA 72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	3,561.27	30.51
13 34 23 13-0032 EA 60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	3,597.89	39.67
13 34 23 13-0033 EA 60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	7,406.01	61.03
13 34 23 13-0034 EA 110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	7,980.11	61.03
13 34 23 13-0035 EA 60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	3,741.42	39.67
13 34 23 13-0036 EA 71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	3,704.80	30.51
13 34 23 13-0037 EA 84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	5,173.08	39.67
13 34 23 13-0038 EA 30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	3,671.45	39.67
13 34 23 13-0039 EA 35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	3,671.45	39.67
13 34 23 13-0040 EA 42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,179.17	39.67
13 34 23 13-0041 EA 49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,683.30	39.67
13 34 23 13-0042 Relocate Portable And Mobile Trailer <small>(13 34 23 13)</small>		
Note: Excludes anchors, skirting, steps, ramps, utility hook-ups and foundation. See CSI section 01 22 16 00-0002 for reimbursable permit fees, 01 22 20 00-0073 for escort vehicle, 13 34 23 13-0012 for skirting, 26 05 46 00-0060 for anchors.		
13 34 23 13-0043 EA Prepare, Up To 12' Wide, Single Trailer For Transporstation	869.21	
Note: Includes securing interior, mounting tires, and mounting trailer hitch		
13 34 23 13-0044 EA Separate, 24' Wide Double Trailer And Prepare For Transporstation	4,394.75	
Note: Includes separating trailers, securing interior, installing plastic and boards to open side of each (2) trailers, mounting tires, and mounting trailer hitch.		
13 34 23 13-0045 EA Remove Blocking From 8' Wide x Up To 35' Long Trailer.....	382.45	
Note: Per trailer		
13 34 23 13-0046 EA Remove Blocking From 10' Wide x 40' To 50' Long Trailer.....	486.76	
Note: Per trailer		
13 34 23 13-0047 EA Remove Blocking From 12' Wide x 45' To 60' Long Trailer.....	591.07	
Note: Per trailer		
13 34 23 13-0048 EA Remove Blocking From 24' Wide x 45' To 60' Long Trailer.....	1,182.13	
Note: Per trailer		
13 34 23 13-0049 MI Transportation And Delivery Of Trailer.....	15.34	
See CSI section 01 22 20 00-0074 for escort vehicle service (when required).		
13 34 23 13-0050 EA Re-connect 24' Wide Double Trailer	8,754.89	
Note: Includes removal of temporary plastic and boards, caulking, installtion of flooring, ceiling and roofing seams. Excludes blocking and leveling. See CSI section 13 34 23 13-0053 for blocking and leveling of each section.		
13 34 23 13-0051 EA Set-Up (Block And Level) Trailer, 8' Wide x Up To 35' Long.....	478.07	
Note: Per trailer		
13 34 23 13-0052 EA Set-Up (Block And Level) Trailer, 10' Wide x 40' To 50' Long.....	608.45	
Note: Per trailer		
13 34 23 13-0053 EA Set-Up (Block And Level) Trailer, 12' Wide x 45' To 60' Long.....	738.83	
Note: Per trailer		
13 34 23 13-0054 EA Set-Up (Block And Level) Trailer, 24' Wide x 45' To 60' Long.....	1,477.66	
Note: Per trailer		
13 34 23 13-0055 EA Connection Straps To Anchor.....	21.73	
Note: Includes straps per each anchor See CSI section 26 05 46 00-0060 for anchors.		
13 34 23 14 Fabricated Classroom Buildings <small>(13 34 23)</small>		
13 34 23 14-0001 Semi Permanent Modular Transportable Buildings <small>(13 34 23 14)</small>		
13 34 23 14-0002 SF Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	97.18	
For Each Anchoring Into Asphalt Or Concrete, Add		110.00
For Each Delivery And Set-Up (Block And Level), Add		2,955.07
For Each Knock-Down And Pick-Up, Add		2,305.07
13 34 23 14-0003 SF Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	100.06	
For Each Anchoring Into Asphalt Or Concrete, Add		110.00
For Each Delivery And Set-Up (Block And Level), Add		2,955.07
For Each Knock-Down And Pick-Up, Add		2,305.07
13 34 23 16 Fabricated Control Booths <small>(13 34 23)</small>		
13 34 23 16-0001 Fabricated Parking Attendant Booths <small>(13 34 23 16)</small>		
Note: Excludes foundations and slab.		
13 34 23 16-0002 EA Parking Booth For Attendant.....	1,397.23	
13 34 23 31 Fabricated Pavilion Style Buildings <small>(13 34 23)</small>		
13 34 23 31-0001 Pavilion Style Metal Shelter Structures <small>(13 34 23 31)</small>		
Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.		
13 34 23 31-0002 EA 12' x 12' Pavilion Style Metal Shelter Structure.....	10,949.97	2,201.71
13 34 23 31-0003 EA 16' x 16' Pavilion Style Metal Shelter Structure.....	12,841.22	2,297.46
13 34 23 31-0004 EA 16' x 32' Pavilion Style Metal Shelter Structure.....	16,349.28	2,450.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 31-0005 EA 20' x 20' Pavilion Style Metal Shelter Structure.....	15,361.20	2,374.04
13 34 23 31-0006 EA 20' x 30' Pavilion Style Metal Shelter Structure.....	18,983.48	2,603.79
13 34 23 31-0007 EA 20' x 40' Pavilion Style Metal Shelter Structure.....	22,595.47	2,680.37
13 34 23 31-0008 EA 24' x 24' Pavilion Style Metal Shelter Structure.....	18,753.35	2,450.62
13 34 23 31-0009 EA 24' x 48' Pavilion Style Metal Shelter Structure.....	26,447.82	3,063.28
13 34 23 31-0010 EA 30' x 30' Pavilion Style Metal Shelter Structure.....	25,432.20	3,063.28
13 34 23 31-0011 EA 30' x 60' Pavilion Style Metal Shelter Structure.....	50,456.52	3,829.10
13 34 23 31-0012 EA 40' x 40' Pavilion Style Metal Shelter Structure.....	46,772.46	4,785.52
13 34 23 31-0013 EA 40' x 60' Pavilion Style Metal Shelter Structure.....	67,658.09	5,360.74

13 40 Integrated Construction ⁽¹³⁾

13 42 Building Modules ^(13 40)

13 42 63 Detention Cell Modules ^(13 42)

13 42 63 16 Steel Detention Cell Modules ^(13 42 63)

13 42 63 16-0001 EA Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide..... Note: With hardware.	18,483.58	879.72
13 42 63 16-0002 EA Cells, Prefabricated, 5'-6' Wide, 7'-8' High, Bar Front, Cot..... Note: Not including plumbing.	31,082.59	1,177.96
13 42 63 16-0003 SF Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers..... Note: Includes 12 gauge steel frame and concealment plates.	131.81	8.34
13 42 63 16-0004 SF Solid Security Ceiling, 14 Gauge Formed Steel Channels..... Note: 20" wide, 14 gauge galvanized steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.	98.83	8.34
13 42 63 16-0005 SF Perforated Metal Crime Shield.....	95.51	3.45

13 46 Lightning Protection Systems ^(13 40)

13 46 13 Lightning Protection for Structures ^(13 46)

13 46 13 00-0001

Lightning Protection ^(13 46 13)
See CSI section 26 05 26 00-0001 for conductors.

13 46 13 00-0002

Air Terminals For Lightning Protection ^(13 46 13 00-0001)

13 46 13 00-0003

Copper Lightning Protection Air Terminals ^(13 46 13 00-0002)

13 46 13 00-0004 EA 3/8" x 10" Copper Lightning Protection Air Terminal.....	69.10	14.79
13 46 13 00-0005 EA 1/2" x 12" Copper Lightning Protection Air Terminal.....	86.46	14.79
13 46 13 00-0006 EA 5/8" x 12" Copper Lightning Protection Air Terminal.....	110.82	14.79
13 46 13 00-0007 EA 1/2" x 24" Copper Lightning Protection Air Terminal.....	123.45	14.79
13 46 13 00-0008 EA 1/2" x 60" Copper Lightning Protection Air Terminal.....	235.94	29.58

13 46 13 00-0009

Aluminum Lightning Protection Air Terminals ^(13 46 13 00-0002)

13 46 13 00-0010 EA 3/8" x 10" Aluminum Lightning Protection Air Terminal.....	84.76	14.79
13 46 13 00-0011 EA 1/2" x 12" Aluminum Lightning Protection Air Terminal.....	108.24	14.79
13 46 13 00-0012 EA 5/8" x 12" Aluminum Lightning Protection Air Terminal.....	137.10	14.79
13 46 13 00-0013 EA 1/2" x 24" Aluminum Lightning Protection Air Terminal.....	152.46	14.79
13 46 13 00-0014 EA 1/2" x 60" Aluminum Lightning Protection Air Terminal.....	295.61	29.58

13 46 13 00-0015

Terminal Bases For Lightning Protection ^(13 46 13 00-0001)

13 46 13 00-0016

Copper Lightning Protection Terminal Bases ^(13 46 13 00-0015)

13 46 13 00-0017 EA Adhesive Base For Copper Lightning Protection Terminal.....	106.34	44.37
13 46 13 00-0018 EA Bolted Base For Copper Lightning Protection Terminal.....	146.49	59.16
13 46 13 00-0019 EA Hinged Base For Copper Lightning Protection Terminal.....	194.33	73.95
13 46 13 00-0020 EA Side Mounted Base For Copper Lightning Protection Terminal.....	146.49	59.16
13 46 13 00-0021 EA Offset Point Support For Copper Lightning Protection Terminal.....	154.00	59.16
13 46 13 00-0022 EA Concealed Base Assembly For Copper Lightning Protection Terminal.....	276.84	118.32
13 46 13 00-0023 EA 36" Tripod Base For 60" Copper Lightning Protection Terminal.....	192.36	73.95
13 46 13 00-0024 EA Intermediate Base For Copper Lightning Protection Terminal.....	106.34	44.37

13 46 13 00-0025

Aluminum Lightning Protection Terminal Bases ^(13 46 13 00-0015)

13 46 13 00-0026 EA Adhesive Base For Aluminum Lightning Protection Terminal.....	112.14	44.37
13 46 13 00-0027 EA Bolted Base For Aluminum Lightning Protection Terminal.....	153.92	59.16
13 46 13 00-0028 EA Hinged Base For Aluminum Lightning Protection Terminal.....	206.59	73.95
13 46 13 00-0029 EA Side Mounted Base For Aluminum Lightning Protection Terminal.....	154.41	59.16
13 46 13 00-0030 EA Offset Point Support For Aluminum Lightning Protection Terminal.....	161.27	59.16
13 46 13 00-0031 EA Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	292.96	118.32
13 46 13 00-0032 EA 36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	194.64	73.95
13 46 13 00-0033 EA Intermediate Base For Aluminum Lightning Protection Terminal.....	112.14	44.37

13 46 13 00-0034

Connectors ^(13 46 13 00-0001)

13 46 13 00-0035

Copper Cable Connectors ^(13 46 13 00-0034)

13	Special Construction
13 40	Integrated Construction
13 46	Lightning Protection Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 46 13 00-0036 EA Thru Wall Cable Connector For Copper Lightning Protection System	214.21	73.95
13 46 13 00-0037 EA Thru Roof Adapter Assembly For Copper Lightning Protection System	297.13	118.32
13 46 13 00-0038 EA Beam Connector For Copper Lightning Protection System.....	195.69	73.95
13 46 13 00-0039 EA Double Bolt Cable Connector For Copper Lightning Protection System	45.26	14.79
13 46 13 00-0040 EA Cable To Bar Connector For Copper Lightning Protection System.....	45.69	14.79
13 46 13 00-0041 EA Tee Connector For Copper Lightning Protection Terminal.....	140.17	44.37
13 46 13 00-0042 Aluminum Cable Connectors (13 46 13 00-0034)		
13 46 13 00-0043 EA Thru Wall Cable Connector For Aluminum Lightning Protection System	227.66	73.95
13 46 13 00-0044 EA Thru Roof Adapter Assembly For Aluminum Lightning Protection System	321.14	118.32
13 46 13 00-0045 EA Beam Connector For Aluminum Lightning Protection System	212.96	73.95
13 46 13 00-0046 EA Double Bolt Cable Connector For Aluminum Lightning Protection System	50.37	14.79
13 46 13 00-0047 EA Tee Connector For Aluminum Lightning Protection Terminal.....	149.03	44.37
13 46 13 00-0048 Bonding Plates (13 46 13 00-0001)		
13 46 13 00-0049 Copper Bonding Plates (13 46 13 00-0048)		
13 46 13 00-0050 EA 8" Square I Beam Bonding Plate For Copper Lightning Protection System.....	177.80	73.95
13 46 13 00-0051 EA 8" Square Purlin Bonding Plate For Copper Lightning Protection System	182.39	73.95
13 46 13 00-0052 EA 16" Square Bonding Plate For Copper Lightning Protection System	269.49	118.32
13 46 13 00-0053 Aluminum Bonding Plates (13 46 13 00-0048)		
13 46 13 00-0054 EA 8" Square I Beam Bonding Plate For Aluminum Lightning Protection System.....	181.10	73.95
13 46 13 00-0055 EA 8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	188.94	73.95
13 46 13 00-0056 EA 16" Square Bonding Plate For Aluminum Lightning Protection System	272.86	118.32
13 46 13 00-0057 Cable Supports (13 46 13 00-0001)		
13 46 13 00-0058 Copper Cable Supports (13 46 13 00-0057)		
13 46 13 00-0059 EA Loop Fastener, Copper Cable Supports For Lightning Protection System.....	33.49	14.79
13 46 13 00-0060 EA Adhesive Cable Holder, Copper Cable Support For Lightning Protection System	34.04	14.79
13 46 13 00-0061 Aluminum Cable Supports (13 46 13 00-0057)		
13 46 13 00-0062 EA Loop Fastener, Aluminum Cable Supports For Lightning Protection System.....	33.05	14.79
13 46 13 00-0063 EA Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System.....	32.87	14.79
13 46 13 00-0064 Bonding Straps (13 46 13 00-0001)		
13 46 13 00-0065 Copper Bonding Straps (13 46 13 00-0064)		
13 46 13 00-0066 EA 3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	92.55	44.37
13 46 13 00-0067 Aluminum Bonding Straps (13 46 13 00-0064)		
13 46 13 00-0068 EA 3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	95.48	44.37
13 46 13 00-0069 Accessories For Lightning Protection (13 46 13 00-0001)		
See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
13 46 13 00-0070 Copper Adapters (13 46 13 00-0069)		
13 46 13 00-0071 EA Swivel Adapters For Copper Lightning Protection System.....	32.12	7.39
13 46 13 00-0072 Aluminum Adapters (13 46 13 00-0069)		
13 46 13 00-0073 EA Swivel Adapters For Aluminum Lightning Protection System.....	42.37	7.39
13 46 13 00-0074 EA Floor Ground Receptacle For Aluminum Lightning Protection System	216.12	73.95

13 47 Facility Protection (13 40)**13 47 13 Cathodic Protection** (13 47)**13 47 13 13 Cathodic Protection for Underground and Submerged Piping** (13 47 13)**13 47 13 13-0001 Anodes** (13 47 13 13)**13 47 13 13-0002 Magnesium Type, Conventional** (13 47 13 13-0001)

13 47 13 13-0003 EA 9 LB Magnesium Type Anodes.....	462.45	208.84
13 47 13 13-0004 EA 17 LB Magnesium Type Anodes	681.90	301.84
13 47 13 13-0005 EA 32 LB Magnesium Type Anode.....	918.61	388.31
13 47 13 13-0006 EA 48 LB Magnesium Type Anode.....	1,303.22	543.31

13 47 13 13-0007 Graphite Type (13 47 13 13-0001)
Note: Includes epoxy cap.



Special Construction	13	13
Integrated Construction	13 40	
Facility Protection	13 47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0008 EA 3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	695.10	300.01
13 47 13 13-0009 EA 4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	1,058.17	418.93
13 47 13 13-0010 EA 6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	768.15	262.18
13 47 13 13-0011 EA 6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	1,149.73	350.02
13 47 13 13-0012 Rectifiers <small>(13 47 13 13)</small>		
13 47 13 13-0013 Air Cooled, Silicon Type <small>(13 47 13 13-0012)</small>		
13 47 13 13-0014 EA Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,295.02	425.96
13 47 13 13-0015 EA Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,475.11	425.96
13 47 13 13-0016 Oil Immersed, Silicon Type <small>(13 47 13 13-0012)</small>		
13 47 13 13-0017 EA Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type.....	3,427.95	492.52
13 47 13 13-0018 EA Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type.....	3,620.90	492.52
13 47 13 13-0019 Anode Backfill <small>(13 47 13 13)</small>		
13 47 13 13-0020 LB Anode Backfill, Coke Breeze	1.39	0.54
13 47 13 13-0021 Cathodic Protection Cable <small>(13 47 13 13)</small>		
13 47 13 13-0022 MLF Cathodic Protection Cable, OR2 - No 8	2,611.32	1,048.69
13 47 13 13-0023 MLF Cathodic Protection Cable, OR2 - No 6	2,838.93	1,048.69
13 47 13 13-0024 MLF Cathodic Protection Cable, OR2 - No 4	3,180.35	1,048.69
13 47 13 13-0025 MLF Cathodic Protection Cable, OR2 - No 2	3,749.39	1,048.69
13 47 13 13-0026 MLF Cathodic Protection Cable, OR2 - No 1	4,582.94	1,155.45
13 47 13 13-0027 MLF Cathodic Protection Cable, OR2-No 1/0	5,009.71	1,155.45
13 47 13 13-0028 MLF Cathodic Protection Cable, OR2-No 2/0	5,721.00	1,155.45
13 47 13 13-0029 MLF Cathodic Protection Cable, OR2-No 4/0	7,635.31	1,259.51
13 47 13 13-0030 Cathodic Test Stations <small>(13 47 13 13)</small>		
13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box <small>(13 47 13 13-0030)</small>		
13 47 13 13-0032 EA Cathodic Test Station, Flush Curb Type With Lockable Cover	341.04	122.76
13 47 13 16 Cathodic Protection for Underground Storage Tanks <small>(13 47 13)</small>		
See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		
13 48 Sound, Vibration, and Seismic Control <small>(13 40)</small>		
13 48 63 Fabricated Seismic Control Assemblies <small>(13 48)</small>		
13 48 63 00-0001 Seismic Bracing Assembly <small>(13 48 63)</small>		
13 48 63 00-0002 EA 4-Bolt Deck Anchor Connection For Seismic Brace.....	172.95	
Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.		
13 48 63 00-0003 EA 2 Cable Seismic Brace With Center Threaded Rod Stiffener.....	162.85	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0004 EA 3 Cable Seismic Brace With Center Threaded Rod Stiffener.....	245.03	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0005 EA 4 Cable Seismic Brace With Center Threaded Rod Stiffener.....	318.05	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0006 EA 2 Channel Seismic Brace With Center Threaded Rod Stiffener.....	325.28	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0007 EA 3 Channel Seismic Brace With Center Threaded Rod Stiffener.....	484.10	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0008 EA 4 Channel Seismic Brace With Center Threaded Rod Stiffener.....	642.92	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0009 EA 2 Rod Seismic Brace With Center Threaded Rod Stiffener	192.98	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0010 EA 3 Rod Seismic Brace With Center Threaded Rod Stiffener	285.65	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0011 EA 4 Rod Seismic Brace With Center Threaded Rod Stiffener	378.31	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0012 Seismic Brace Components <small>(13 48 63)</small>		
13 48 63 00-0013 EA 1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1)	36.47	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0014 EA 3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2)	49.19	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0015 EA 1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3)	64.47	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0016 EA 3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4)	87.34	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0017 EA Seismic Solid Brace Swivel Anchor (Mason SSB-1)	34.40	
Note: To be used with angle or channel.		
13 48 63 00-0018 EA Seismic Solid Brace Swivel Anchor (Mason SSB-2)	45.59	
Note: To be used with angle or channel.		

13 Special Construction**13 40 Integrated Construction****13 48 Sound, Vibration, and Seismic Control**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0019 EA Seismic Solid Brace Swivel Anchor (Mason SSB-3).....	59.19	
Note: To be used with angle or channel.		
13 48 63 00-0020 EA Seismic Solid Brace Swivel Anchor (Mason SSB-4).....	79.18	
Note: To be used with angle or channel.		
13 48 63 00-0021 EA 1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1).....	41.19	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0022 EA 3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2).....	53.59	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0023 EA 1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3).....	73.58	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0024 EA 1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1).....	70.38	
Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 63 00-0025 EA 3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2).....	97.98	
Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 63 00-0026 EA 1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3).....	132.77	
Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		
13 48 63 00-0027 EA Seismic Rod Clamp (Mason SRC-1).....	30.23	
Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.		
13 48 63 00-0028 EA Seismic Rod Clamp (Mason SRC-1 1/2).....	36.63	
Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.		
13 48 63 00-0029 EA Seismic Rod Clamp (Mason SRC-2).....	45.43	
Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.		
13 48 63 00-0030 Seismic Restraints (13 48 63)		
13 48 63 00-0031 EA 1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole.....	5.36	1.21
Note: Adhesive applied.		
13 48 63 00-0032 EA 1" x 1" Seismic Fastener, Gray, Adhesive Applied.....	4.15	0.60
13 48 63 00-0033 EA 1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole.....	7.01	1.52
Note: Adhesive applied.		
13 48 63 00-0034 EA 1" x 2" Seismic Fastener, Gray, Adhesive Applied.....	5.30	0.75
13 48 63 00-0035 EA 2" x 2" Seismic Fastener, Gray, Adhesive Applied.....	6.71	0.88
13 48 63 00-0036 EA 2" x 3" Seismic Fastener, Gray, Adhesive Applied.....	11.26	1.07
13 48 63 00-0037 LF 3/4" Wide Seismic Strap, Gray.....	4.80	0.91
13 48 63 00-0038 LF 1" Wide Seismic Strap, Gray.....	7.04	0.91
13 48 63 00-0039 EA 3/4" Wide x 4" Long Seismic Strap, Gray.....	2.31	0.60
13 48 63 00-0040 EA 3/4" Wide x 12" Long Seismic Strap, Gray.....	10.42	1.82
13 48 63 00-0041 LF Seismic Chord, Black.....	2.89	0.91
13 48 63 00-0042 LF SAFELOK Seismic Fastener, Black.....	3.83	0.91
13 49 Radiation Protection (13 40)		
13 49 13 Integrated X-Ray Shielding Assemblies (13 49)		
13 49 13 00-0001 Lead Shielding (13 49 13)		
13 49 13 00-0002 SF 1/16" Sheet Lead Shielding.....	42.46	7.28
13 49 13 00-0003 SF 1/8" Sheet Lead Shielding.....	71.58	7.88
13 49 13 00-0004 SF 1/4" Sheet Lead Shielding.....	126.77	8.48
13 49 13 00-0005 SF 1/2" Sheet Lead Shielding.....	241.34	10.91
13 49 16 Modular X-Ray Shielding Rooms (13 49)		
13 49 16 00-0001 X-Ray Barriers, Modular (13 49 16)		
Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.		
13 49 16 00-0002 36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers (13 49 16 00-0001)		
13 49 16 00-0003 EA 0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	8,847.25	163.49
13 49 16 00-0004 EA 0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	9,393.42	163.49
13 49 16 00-0005 EA 1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	9,677.30	196.19
13 49 16 00-0006 EA 1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	10,332.71	196.19
13 49 16 00-0007 72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers (13 49 16 00-0001)		
13 49 16 00-0008 EA 0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	18,983.77	261.59
13 49 16 00-0009 EA 0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	19,748.41	261.59
13 49 16 00-0010 EA 1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	20,360.04	294.29
13 49 16 00-0011 EA 1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	21,954.66	326.98
13 49 16 00-0012 108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers (13 49 16 00-0001)		
13 49 16 00-0013 EA 0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	28,836.41	326.98
13 49 16 00-0014 EA 0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	30,256.46	326.98
13 49 16 00-0015 EA 1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	30,933.42	392.39
13 49 16 00-0016 EA 1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	33,183.40	425.09
13 49 16 00-0017 X-Ray Barriers, Mobile (13 49 16)		
Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		



Special Construction	13	13
Integrated Construction	13 40	
Radiation Protection	13 49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 49 16 00-0018 30" Wide x 75" High, Mobile X-Ray Barriers <small>(13 49 16 00-0017)</small> Note: Includes Framework		
13 49 16 00-0019 EA 24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers	6,068.50	30.31
13 49 16 00-0020 48" Wide x 75" High, Mobile X-Ray Barriers <small>(13 49 16 00-0017)</small> Note: Includes Framework		
13 49 16 00-0021 EA 36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	10,765.58	30.31
13 49 16 00-0022 EA 36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	12,950.26	30.31
13 49 16 00-0023 72" Wide x 75" High, Mobile X-Ray Barriers <small>(13 49 16 00-0017)</small> Note: Includes Framework		
13 49 16 00-0024 EA 36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	12,731.79	30.31
13 49 16 00-0025 EA 36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	16,118.05	30.31
13 49 19 Lead-Lined Materials <small>(13 49)</small>		
13 49 19 16 Lead-Lined Drywall <small>(13 49 19)</small>		
13 49 19 16-0001 Lead Lined Drywall <small>(13 49 19 16)</small>		
13 49 19 16-0002 SF 1/32" Lead Lined 5/8" Fire Rated Drywall	22.89	1.59
13 49 19 16-0003 SF 1/16" Lead Lined 5/8" Fire Rated Drywall	40.14	1.90
13 49 19 16-0004 SF 1/8" Lead Lined 5/8" Fire Rated Drywall	73.09	2.29

END OF SECTION 13

13	13	Special Construction
	13 40	Integrated Construction
	13 49	Radiation Protection



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

THIS PAGE INTENTIONALLY LEFT BLANK



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

14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment ⁽¹⁴⁾

14 01 20 Operation and Maintenance of Elevators ^(14 01)

14 01 20 71 Elevator Rehabilitation ^(14 01 20)

14 01 20 71-0001 Elevator Maintenance ^(14 01 20 71)

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	561.14	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	748.18	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	467.61	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	467.61	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	280.57	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	184.13	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	230.17	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,337.40	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,671.75	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	668.70	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,504.58	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	1,003.06	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,340.46	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,674.81	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,006.10	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,507.63	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,337.40	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	2,126.06	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	2,391.82	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	2,126.06	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	2,126.06	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	2,126.06	

14 01 20 71-0024 Elevator Modernization ^(14 01 20 71)

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	39,125.27	8,286.15
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		<i>For Union-Guard Cathodic Protection, Add</i>	9,085.37	
		<i>Note: Includes Pump.</i>		
		<i>For An Additional Stop, Add</i>	9,707.28	
		<i>Note: Includes Removal.</i>		
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	42,239.05	10,012.43
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		<i>For Union-Guard Cathodic Protection, Add</i>	9,175.82	
		<i>Note: Includes Pump.</i>		
		<i>For An Additional Stop, Add</i>	10,290.55	
		<i>Note: Includes Removal.</i>		
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	50,358.60	11,393.46
		Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.		
		<i>For Union-Guard Cathodic Protection, Add</i>	10,623.02	
		<i>Note: Includes Pump.</i>		
		<i>For An Additional Stop, Add</i>	13,127.71	
		<i>Note: Includes Removal.</i>		
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	5,254.33	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	72.54	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	798.95	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four	4,129.10	690.52
		Note: Includes cover plate.		
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four	3,484.37	690.52
		Note: Includes cover plate.		
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish	7,564.65	
		Note: Excludes buildback.		
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish	8,288.25	
		Note: Excludes buildback.		
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish	8,029.56	
		Note: Excludes buildback.		
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish	8,753.16	
		Note: Excludes buildback.		
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring	86.34	19.73
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring	73.49	19.73
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	13.57	2.59
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	6,076.15	517.89
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	19,568.12	2,891.52
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	2,326.25	690.52
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	439.58	172.63
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	426.66	345.26
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	597.12	302.10
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	2,811.29	690.52
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	594.33	319.36

14 Conveying Equipment
14 01 Operation and Maintenance of Conveying Equipment
14 01 20 Operation and Maintenance of Elevators



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0048	EA		Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL).....	426.66	345.26
14 01 20 71-0049	EA		Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing).....	734.20	345.26
14 01 20 71-0050	EA		Fire Service Key Switch Controller.....	3,717.73	690.52
14 01 20 71-0051	EA		ADA Telephone (Rath Microtech).....	1,177.27	345.26
14 01 20 71-0052	EA		Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing).....	8,430.40	1,381.02
14 01 20 71-0053	EA		Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing).....	9,117.82	1,381.02
14 01 20 71-0054	EA		Car Door Safety Edge (Infrared Proximity Type Edge).....	2,613.78	345.26
14 01 20 71-0055	EA		Car Operating Panel (ADA, Fire, Position, Chime).....	8,918.83	1,381.02
14 01 20 71-0056	EA		Car Position LED Indicator And Cover Plate, Stainless Steel.....	1,911.60	345.26
14 01 20 71-0057	EA		Car Traveling Lanterns With Audible Signal.....	1,632.74	345.26
14 01 20 71-0058	EA		Hoistway Door Jamb Floor Tags (Braille).....	237.75	172.63
14 01 20 71-0059	EA		Lobby Vandal Resistant Call Station.....	1,533.25	345.26
14 01 20 71-0060	LF		Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial).....	20.91	
			Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.		
14 01 20 71-0061	EA		Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial).....	5,524.10	2,762.05
			Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.		
14 01 20 71-0062	LF		Governor Cable.....	1.63	
			Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.		
14 01 20 71-0063	EA		Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels.....	6,396.59	690.52
14 01 20 71-0064	EA		Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels.....	9,290.99	690.52
14 01 20 71-0065	EA		Removal And Replacement Of Governor.....	5,363.92	690.52
14 01 20 71-0066	EA		Removal And Replacement Of Car Station.....	8,484.67	1,381.02
14 01 20 71-0067	EA		Removal And Replacement Of Telephone.....	1,768.41	345.26
14 01 20 71-0068	EA		Removal And Replacement Of Hall Lanterns.....	1,323.67	345.26
14 01 20 71-0069	EA		Hall Call Buttons, Vandal Resistant.....	1,052.32	345.26
14 01 20 71-0070	EA		Hall Traveling Lanterns With Audible Signal.....	1,668.92	345.26
14 01 20 71-0071	EA		Add Raised Character (Braille) Signage To Control Panel.....	193.80	172.63
14 01 20 71-0072	EA		New Microprocessor Based Controller (Non-Proprietary).....	46,094.25	5,524.10
14 01 20 71-0073	EA		New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab.....	26,376.15	5,524.10
14 01 20 71-0074	EA		New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab.....	40,945.26	5,524.10
14 01 20 71-0075	EA		Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel.....	3,265.48	
14 01 20 71-0076	EA		Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel.....	3,464.47	
14 01 20 71-0077	EA		Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel.....	3,683.36	
14 01 20 71-0078	EA		Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel.....	3,922.15	
14 01 20 71-0079	EA		Elevator Pit Ladder, Steel.....	3,066.49	345.26
			Note: Labor cost is for bolting to concrete pit wall.		
14 01 20 71-0080	EA		New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab.....	50,943.31	5,524.10
14 01 20 71-0081	LF		Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5.....	126.79	
			Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0082	LF		Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7.....	135.18	
			Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0083	LF		Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4.....	140.95	
			Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0084	EA		Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP).....	9,358.19	690.52
14 01 20 71-0085	EA		6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	3,699.64	690.52
			Note: Cladding typically done by metal company.		
14 01 20 71-0086	EA		8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	3,790.09	690.52
			Note: Cladding typically done by metal company.		
14 01 20 71-0087	EA		10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	3,880.54	690.52
			Note: Cladding typically done by metal company.		
14 01 20 71-0088	EA		12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	3,989.08	690.52
			Note: Cladding typically done by metal company.		
14 01 20 71-0089	EA		"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable.....	8,403.04	690.52
14 01 20 71-0090	EA		"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable.....	8,403.04	690.52
14 01 20 71-0091	EA		"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable.....	12,021.04	690.52
14 01 20 71-0092	EA		"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable.....	13,830.04	690.52
14 01 20 71-0093	EA		60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	3,834.16	175.15
14 01 20 71-0094	EA		100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	4,017.26	210.19
14 01 20 71-0095	EA		200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	5,252.42	245.22
14 01 20 71-0096	EA		Aluminum Handrail Spacers With Set Screw.....	210.20	172.63
14 01 20 71-0097	EA		Bronze Handrail Spacers With Set Screw.....	215.21	172.63
14 01 20 71-0098	LF		1/2" x 2" Round Stainless Steel Elevator Handrail.....	147.27	40.62
14 01 20 71-0099	LF		3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish.....	141.37	40.62
14 01 20 71-0100	LF		3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish.....	168.94	40.62
14 01 20 71-0101	LF		3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish.....	187.61	40.62
14 01 20 71-0102	LF		3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish.....	215.40	40.62
14 01 20 71-0103	LF		3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	172.41	40.62
14 01 20 71-0104	LF		3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	196.94	40.62
14 01 20 71-0105	LF		3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	309.50	40.62
14 01 20 71-0106	LF		3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	348.43	40.62
14 01 20 71-0107	LF		3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	140.43	40.62
14 01 20 71-0108	LF		3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	141.93	40.62
14 01 20 71-0109	LF		3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	182.69	40.62
14 01 20 71-0110	LF		3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	170.68	40.62
14 01 20 71-0111	LF		3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	183.48	40.62
14 01 20 71-0112	LF		3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	231.26	40.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0113 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	176.76	40.62
14 01 20 71-0114 LF 3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	180.88	40.62
14 01 20 71-0115 LF 3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	306.57	40.62
14 01 20 71-0116 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish	199.33	40.62
14 01 20 71-0117 LF 3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	307.36	40.62
14 01 20 71-0118 LF 3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	348.43	40.62

14 01 30 Operation and Maintenance of Escalators and Moving Walks ⁽¹⁴

14 01 30 71 Escalators and Moving Walks Rehabilitation ^(14 01 30)

14 01 30 71-0001 Maintenance ^(14 01 30 71)

14 01 30 71-0002	EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	791.11
14 01 30 71-0003	HR	Escalator Servicing, Labor Only	184.13
14 01 30 71-0004	EA	Acceptance Test Of Escalators And Moving Walks	4,351.13

14 01 30 71-0005 Modernization ^(14 01 30 71)

14 01 30 71-0006	EA	Removal And Replacement Of 28" Wide Escalator Stair Tread	1,941.07
14 01 30 71-0007	EA	Removal And Replacement Of 36" Wide Escalator Stair Tread	2,079.41
14 01 30 71-0008	EA	Removal And Replacement Of 48" Wide Escalator Stair Tread	2,180.88
14 01 30 71-0009	EA	Removal And Replacement Of 54" Wide Escalator Stair Tread	2,351.82
14 01 30 71-0010	LF	Removal And Replacement Of Sliding Handrail	182.33

14 20 Elevators ⁽¹⁴⁾

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators ^(14 20)

14 21 13 Electric Traction Freight Elevators ^(14 21)

14 21 13 00-0001 Electric Traction Freight Elevators ^(14 21 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 LB x 200 FPM, 6 Stops, 6 Openings	417,229.79
		<i>For Each Opening With Bonderized Steel Door, Add</i>	276.18
		<i>For Each Opening With Stainless Steel Doors, Add</i>	690.45
		<i>For Each Opening With Two Speed Doors, Add</i>	828.54
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,412.80
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,119.20
		<i>For Stainless Steel Cab Interior, Add</i>	10,825.60
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00
		<i>For Class "C-1" Loading, Add</i>	2,254.43
		<i>For Class "C-2" Loading, Add</i>	2,706.40
		<i>For Class "C-3" Loading, Add</i>	3,702.36
		<i>For Removal Of Existing Stop, Add</i>	8,672.42
		<i>For Each Additional Stop, Add</i>	40,655.93
		<i>For Each Floor < 6 Stops, Deduct</i>	-30,260.75
		<i>For Each Additional 50 FPM, Add</i>	8,119.20
		<i>For Removal Of Existing Elevator, Add</i>	43,362.10
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 5,000 LB x 200 FPM, 6 Stops, 6 Openings	446,668.88
		<i>For Each Opening With Bonderized Steel Door, Add</i>	276.18
		<i>For Each Opening With Stainless Steel Doors, Add</i>	690.45
		<i>For Each Opening With Two Speed Doors, Add</i>	828.54
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,412.80
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,119.20
		<i>For Stainless Steel Cab Interior, Add</i>	10,825.60
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00
		<i>For Class "C-1" Loading, Add</i>	4,508.86
		<i>For Class "C-2" Loading, Add</i>	5,412.80
		<i>For Class "C-3" Loading, Add</i>	7,502.14
		<i>For Removal Of Existing Stop, Add</i>	8,672.42
		<i>For Each Additional Stop, Add</i>	40,655.93
		<i>For Each Floor < 6 Stops, Deduct</i>	-30,260.75
		<i>For Each Additional 50 FPM, Add</i>	8,119.20
		<i>For Removal Of Existing Elevator, Add</i>	43,362.10
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 6,000 LB x 200 FPM, 6 Stops, 6 Openings	477,467.65
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00
		<i>For Class "C-1" Loading, Add</i>	4,508.86
		<i>For Class "C-2" Loading, Add</i>	5,412.80
		<i>For Class "C-3" Loading, Add</i>	7,502.14
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,766.00
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	9,472.40
		<i>For Stainless Steel Cab Interior, Add</i>	12,178.80
		<i>For Removal Of Existing Stop, Add</i>	8,672.42
		<i>For Each Additional Stop, Add</i>	42,009.13
		<i>For Each Additional 50 FPM, Add</i>	8,119.20
		<i>For Each Opening With Bonderized Steel Door, Add</i>	405.96
		<i>For Each Opening With Stainless Steel Doors, Add</i>	811.92
		<i>For Each Opening With Two Speed Doors, Add</i>	1,014.90
		<i>For Removal Of Existing Elevator, Add</i>	43,362.10
		<i>For Each Floor < 6 Stops, Deduct</i>	-31,260.75

14 Conveying Equipment**14 20 Elevators****14 21 Electric Traction Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21	13 00-0005	EA	Electric Traction Freight Elevator, 7,000 LB x 200 FPM, 6 Stops, 6 Openings	489,806.90	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Class "C-1" Loading, Add</i>	4,508.86	
			<i>For Class "C-2" Loading, Add</i>	5,412.80	
			<i>For Class "C-3" Loading, Add</i>	7,502.14	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,766.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	9,472.40	
			<i>For Stainless Steel Cab Interior, Add</i>	12,178.80	
			<i>For Removal Of Existing Stop, Add</i>	8,672.42	
			<i>For Each Additional Stop, Add</i>	42,009.13	
			<i>For Each Additional 50 FPM, Add</i>	8,119.20	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	405.96	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	811.92	
			<i>For Each Opening With Two Speed Doors, Add</i>	1,014.90	
			<i>For Removal Of Existing Elevator, Add</i>	43,362.10	
			<i>For Each Floor < 6 Stops, Deduct</i>	-31,260.75	
14 21	13 00-0006	EA	Electric Traction Freight Elevator, 8,000 LB x 200 FPM, 6 Stops, 6 Openings	504,864.01	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional 50 FPM, Add</i>	13,809.00	
			<i>For Class "C-1" Loading, Add</i>	9,020.43	
			<i>For Class "C-2" Loading, Add</i>	10,825.60	
			<i>For Class "C-3" Loading, Add</i>	14,809.42	
			<i>For Removal Of Existing Stop, Add</i>	8,672.42	
			<i>For Each Additional Stop, Add</i>	42,009.13	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	541.28	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	947.24	
			<i>For Each Opening With Two Speed Doors, Add</i>	1,150.22	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	8,119.20	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,825.60	
			<i>For Stainless Steel Cab Interior, Add</i>	13,532.00	
			<i>For Removal Of Existing Elevator, Add</i>	43,362.10	
			<i>For Each Floor < 6 Stops, Deduct</i>	-31,260.75	
14 21	13 00-0007	EA	Electric Traction Freight Elevator, 10,000 LB x 200 FPM, 6 Stops, 6 Openings	522,614.49	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional 50 FPM, Add</i>	13,809.00	
			<i>For Class "C-1" Loading, Add</i>	9,020.43	
			<i>For Class "C-2" Loading, Add</i>	10,825.60	
			<i>For Class "C-3" Loading, Add</i>	14,809.42	
			<i>For Removal Of Existing Stop, Add</i>	8,672.42	
			<i>For Each Additional Stop, Add</i>	42,009.13	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	541.28	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	947.24	
			<i>For Each Opening With Two Speed Doors, Add</i>	1,150.22	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	8,119.20	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,825.60	
			<i>For Stainless Steel Cab Interior, Add</i>	13,532.00	
			<i>For Removal Of Existing Elevator, Add</i>	43,362.10	
			<i>For Each Floor < 6 Stops, Deduct</i>	-31,260.75	
14 21	13 00-0008	EA	Electric Traction Freight Elevator, 12,000 LB x 200 FPM, 6 Stops, 6 Openings	537,116.71	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional 50 FPM, Add</i>	13,809.00	
			<i>For Class "C-1" Loading, Add</i>	9,020.43	
			<i>For Class "C-2" Loading, Add</i>	10,825.60	
			<i>For Class "C-3" Loading, Add</i>	14,809.42	
			<i>For Removal Of Existing Stop, Add</i>	8,672.42	
			<i>For Each Additional Stop, Add</i>	42,009.13	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	541.28	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	947.24	
			<i>For Each Opening With Two Speed Doors, Add</i>	1,150.22	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	8,119.20	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,825.60	
			<i>For Stainless Steel Cab Interior, Add</i>	13,532.00	
			<i>For Removal Of Existing Elevator, Add</i>	43,362.10	
			<i>For Each Floor < 6 Stops, Deduct</i>	-31,260.75	

14 21 23 Electric Traction Passenger Elevators (14 21)**14 21 23 13 Machine Room Electric Traction Passenger Elevators (14 21 23)****14 21 23 13-0001 Electric Traction Passenger Elevators (14 21 23 13)**

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21	23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 LB x 200 FPM, 6 Stops, 6 Openings	327,999.12	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.18	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	690.45	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,412.80	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,119.20	
			<i>For Stainless Steel Cab Interior, Add</i>	10,825.60	
			<i>For Each Additional 50 FPM, Add</i>	5,696.21	
			<i>For Removal Of Existing Stop, Add</i>	4,339.01	
			<i>For Each Additional Stop, Add</i>	40,655.93	
			<i>For Each Floor < 6 Stops, Deduct</i>	-20,847.54	
			<i>For Removal Of Existing Elevator, Add</i>	32,542.63	



		Conveying Equipment	14
		Elevators	14 20
		Electric Traction Elevators	14 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0003 EA Electric Traction Passenger Elevator, 2,500 LB x 200 FPM, 6 Stops, 6 Openings	336,569.66	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional 50 FPM, Add	5,696.21	
For Removal Of Existing Stop, Add	4,339.01	
For Each Additional Stop, Add	40,655.93	
For Each Floor < 6 Stops, Deduct	-20,847.54	
For Removal Of Existing Elevator, Add	32,542.63	
14 21 23 13-0004 EA Electric Traction Passenger Elevator, 3,000 LB x 200 FPM, 6 Stops, 6 Openings	342,648.03	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional 50 FPM, Add	5,696.21	
For Removal Of Existing Stop, Add	4,339.01	
For Each Additional Stop, Add	40,655.93	
For Each Floor < 6 Stops, Deduct	-20,847.54	
For Removal Of Existing Elevator, Add	32,542.63	
14 21 23 13-0005 EA Electric Traction Passenger Elevator, 3,500 LB x 200 FPM, 6 Stops, 6 Openings	347,312.03	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional 50 FPM, Add	5,696.21	
For Removal Of Existing Stop, Add	4,339.01	
For Each Additional Stop, Add	40,655.93	
For Each Floor < 6 Stops, Deduct	-20,847.54	
For Removal Of Existing Elevator, Add	32,542.63	
14 21 23 13-0006 EA Electric Traction Passenger Elevator, 4,000 LB x 200 FPM, 6 Stops, 6 Openings	352,845.52	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional 50 FPM, Add	5,696.21	
For Removal Of Existing Stop, Add	4,339.01	
For Each Additional Stop, Add	40,655.93	
For Each Floor < 6 Stops, Deduct	-20,847.54	
For Removal Of Existing Elevator, Add	32,542.63	
14 21 23 13-0007 EA Electric Traction Passenger Elevator, 4,500 LB x 200 FPM, 6 Stops, 6 Openings	359,182.01	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional 50 FPM, Add	5,696.21	
For Removal Of Existing Stop, Add	4,339.01	
For Each Additional Stop, Add	40,655.93	
For Each Floor < 6 Stops, Deduct	-20,847.54	
For Removal Of Existing Elevator, Add	32,542.63	
14 21 23 13-0008 EA Electric Traction Passenger Elevator, 5,000 LB x 200 FPM, 6 Stops, 6 Openings	365,722.68	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional 50 FPM, Add	5,696.21	
For Removal Of Existing Stop, Add	4,339.01	
For Each Additional Stop, Add	40,655.93	
For Each Floor < 6 Stops, Deduct	-20,847.54	
For Removal Of Existing Elevator, Add	32,542.63	

14 24 Hydraulic Elevators (14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators (14 24)

14 24 13 00-0001 Hydraulic Freight Elevators (14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002	EA		Hydraulic Freight Elevator, 3,000 LB x 50 FPM, 3 Stops, 3 Openings.....	209,556.09	
			For Each Additional Stop, Add	25,845.94	
			For 2 Stops, Deduct	-15,799.43	
			For Each Opening With Bonderized Steel Door, Add	276.18	
			For Each Opening With Stainless Steel Doors, Add	690.45	
			For Each Opening With Two Speed Doors, Add	828.54	
			For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
			For Stainless Steel Cab Interior, Add	10,825.60	
			For Each Additional 50 FPM, Add	2,761.80	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	2,254.43	
			For Class "C-2" Loading, Add	2,706.40	
			For Class "C-3" Loading, Add	3,702.36	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	77.94	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	121.79	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,672.42	
			For Removal Of Existing Elevator, Add	21,653.87	
14 24 13 00-0003	EA		Hydraulic Freight Elevator, 3,500 LB x 50 FPM, 3 Stops, 3 Openings.....	216,326.54	
			For Each Additional Stop, Add	25,845.94	
			For 2 Stops, Deduct	-15,799.43	
			For Each Opening With Bonderized Steel Door, Add	276.18	
			For Each Opening With Stainless Steel Doors, Add	690.45	
			For Each Opening With Two Speed Doors, Add	828.54	
			For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
			For Stainless Steel Cab Interior, Add	10,825.60	
			For Each Additional 50 FPM, Add	2,761.80	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	2,254.43	
			For Class "C-2" Loading, Add	2,706.40	
			For Class "C-3" Loading, Add	3,702.36	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	77.94	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	121.79	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,672.42	
			For Removal Of Existing Elevator, Add	21,653.87	
14 24 13 00-0004	EA		Hydraulic Freight Elevator, 4,000 LB x 50 FPM, 3 Stops, 3 Openings.....	222,872.73	
			For Each Additional Stop, Add	25,845.94	
			For 2 Stops, Deduct	-15,799.43	
			For Each Opening With Bonderized Steel Door, Add	276.18	
			For Each Opening With Stainless Steel Doors, Add	690.45	
			For Each Opening With Two Speed Doors, Add	828.54	
			For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
			For Stainless Steel Cab Interior, Add	10,825.60	
			For Each Additional 50 FPM, Add	2,761.80	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	2,254.43	
			For Class "C-2" Loading, Add	2,706.40	
			For Class "C-3" Loading, Add	3,702.36	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	77.94	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	121.79	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,672.42	
			For Removal Of Existing Elevator, Add	21,653.87	
14 24 13 00-0005	EA		Hydraulic Freight Elevator, 5,000 LB x 50 FPM, 3 Stops, 3 Openings.....	229,211.64	
			For Each Opening With Bonderized Steel Door, Add	276.18	
			For Each Opening With Stainless Steel Doors, Add	690.45	
			For Each Opening With Two Speed Doors, Add	828.54	
			For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
			For Stainless Steel Cab Interior, Add	10,825.60	
			For Each Additional 50 FPM, Add	2,761.80	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	27,226.84	
			For 2 Stops, Deduct	-16,799.43	
			For Class "C-1" Loading, Add	4,508.86	
			For Class "C-2" Loading, Add	5,412.80	
			For Class "C-3" Loading, Add	7,502.14	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	77.94	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	121.79	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	8,672.42	
			For Removal Of Existing Elevator, Add	21,653.87	



Conveying Equipment	14
Elevators	14 20
Hydraulic Elevators	14 24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0006 EA Hydraulic Freight Elevator, 6,000 LB x 50 FPM, 3 Stops, 3 Openings.....	242,433.32	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Each Opening With Two Speed Doors, Add	828.54	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional Stop, Add	27,226.84	
For 2 Stops, Deduct	-16,799.43	
For Class "C-1" Loading, Add	4,508.86	
For Class "C-2" Loading, Add	5,412.80	
For Class "C-3" Loading, Add	7,502.14	
For Each Additional 50 FPM, Add	13,809.00	
For Custom Plastic Laminated Cab Interiors, Add	6,766.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	9,472.40	
For Stainless Steel Cab Interior, Add	12,178.80	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	8,672.42	
For Removal Of Existing Elevator, Add	21,653.87	
14 24 13 00-0007 EA Hydraulic Freight Elevator, 7,000 LB x 50 FPM, 3 Stops, 3 Openings.....	248,767.92	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Each Opening With Two Speed Doors, Add	828.54	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional Stop, Add	27,226.84	
For 2 Stops, Deduct	-16,799.43	
For Class "C-1" Loading, Add	4,508.86	
For Class "C-2" Loading, Add	5,412.80	
For Class "C-3" Loading, Add	7,502.14	
For Each Additional 50 FPM, Add	13,809.00	
For Custom Plastic Laminated Cab Interiors, Add	6,766.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	9,472.40	
For Stainless Steel Cab Interior, Add	12,178.80	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	8,672.42	
For Removal Of Existing Elevator, Add	32,542.63	
14 24 13 00-0008 EA Hydraulic Freight Elevator, 8,000 LB x 50 FPM, 3 Stops, 3 Openings.....	258,416.79	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Each Opening With Two Speed Doors, Add	828.54	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional Stop, Add	27,226.84	
For 2 Stops, Deduct	-16,799.43	
For Custom Plastic Laminated Cab Interiors, Add	6,766.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	9,472.40	
For Stainless Steel Cab Interior, Add	12,178.80	
For Each Additional 50 FPM, Add	15,189.90	
For Class "C-1" Loading, Add	11,272.16	
For Class "C-2" Loading, Add	13,532.00	
For Class "C-3" Loading, Add	18,511.78	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	8,672.42	
For Removal Of Existing Elevator, Add	32,542.63	
14 24 13 00-0009 EA Hydraulic Freight Elevator, 10,000 LB x 50 FPM, 3 Stops, 3 Openings.....	265,266.58	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Each Opening With Two Speed Doors, Add	828.54	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional Stop, Add	27,226.84	
For 2 Stops, Deduct	-16,799.43	
For Custom Plastic Laminated Cab Interiors, Add	6,766.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	9,472.40	
For Stainless Steel Cab Interior, Add	12,178.80	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	8,672.42	
For Removal Of Existing Elevator, Add	32,542.63	
For Each Additional 50 FPM, Add	16,570.80	
For Class "C-1" Loading, Add	14,992.10	
For Class "C-2" Loading, Add	17,997.56	
For Class "C-3" Loading, Add	24,620.12	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010 EA Hydraulic Freight Elevator, 12,000 LB x 50 FPM, 3 Stops, 3 Openings.....	277,191.98	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Each Opening With Two Speed Doors, Add	828.54	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional Stop, Add	27,226.84	
For 2 Stops, Deduct	-16,799.43	
For Custom Plastic Laminated Cab Interiors, Add	6,766.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	9,472.40	
For Stainless Steel Cab Interior, Add	12,178.80	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	8,672.42	
For Removal Of Existing Elevator, Add	32,542.63	
For Each Additional 50 FPM, Add	16,570.80	
For Class "C-1" Loading, Add	14,992.10	
For Class "C-2" Loading, Add	17,997.56	
For Class "C-3" Loading, Add	24,620.12	
14 24 13 00-0011 Hydraulic Elevators Piston Drilling (14 24 13)		
14 24 13 00-0012 VLF Up To 6" Diameter Piston Drilling.....	96.05	
Note: Includes casing.		
14 24 13 00-0013 VLF 8" To 10" Diameter Piston Drilling.....	114.61	
Note: Includes casing.		
14 24 23 Hydraulic Passenger Elevators (14 24)		
14 24 23 00-0001 Hydraulic Passenger Elevators (14 24 23)		
Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.		
14 24 23 00-0002 EA Hydraulic Passenger Elevator, 2,100 LB x 100 FPM, 3 Stops, 3 Openings.....	148,437.87	
For Each Additional Stop, Add	25,845.94	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,696.21	
For Removal Of Existing Elevator, Add	21,653.87	
For Removal Of Existing Stop, Add	4,339.01	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0003 EA Hydraulic Passenger Elevator, 2,500 LB x 100 FPM, 3 Stops, 3 Openings.....	151,199.67	
For Each Additional Stop, Add	25,845.94	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,696.21	
For Removal Of Existing Elevator, Add	21,653.87	
For Removal Of Existing Stop, Add	4,339.01	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0004 EA Hydraulic Passenger Elevator, 3,000 LB x 100 FPM, 3 Stops, 3 Openings.....	153,098.41	
For Each Additional Stop, Add	25,845.94	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,696.21	
For Removal Of Existing Elevator, Add	21,653.87	
For Removal Of Existing Stop, Add	4,339.01	
For 2 Stops, Deduct	-10,000.00	



		Conveying Equipment	14
		Elevators	14 20
		Hydraulic Elevators	14 24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005 EA Hydraulic Passenger Elevator, 3,500 LB x 100 FPM, 3 Stops, 3 Openings.....	160,278.64	
For Each Additional Stop, Add	25,845.94	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,696.21	
For Removal Of Existing Elevator, Add	21,653.87	
For Removal Of Existing Stop, Add	4,339.01	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0006 EA Hydraulic Passenger Elevator, 4,000 LB x 100 FPM, 3 Stops, 3 Openings.....	163,234.50	
For Each Additional Stop, Add	25,845.94	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,696.21	
For Removal Of Existing Elevator, Add	21,653.87	
For Removal Of Existing Stop, Add	4,339.01	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0007 EA Hydraulic Passenger Elevator, 4,500 LB x 100 FPM, 3 Stops, 3 Openings.....	167,273.63	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional Stop, Add	27,226.84	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,696.21	
For Removal Of Existing Elevator, Add	21,653.87	
For Removal Of Existing Stop, Add	4,339.01	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0008 EA Hydraulic Passenger Elevator, 5,000 LB x 100 FPM, 3 Stops, 3 Openings.....	171,282.14	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Each Opening With Two Speed Doors, Add	828.54	
For Custom Plastic Laminated Cab Interiors, Add	5,412.80	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,119.20	
For Stainless Steel Cab Interior, Add	10,825.60	
For Each Additional Stop, Add	27,226.84	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	310.71	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	77.94	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	121.79	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,696.21	
For Removal Of Existing Elevator, Add	21,653.87	
For Removal Of Existing Stop, Add	4,339.01	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0009 Twin Holeless Hydraulic Passenger Elevator (14 24 23)		
Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 2 stops (10 feet floor to floor) and 2 openings.		
14 24 23 00-0010 EA Twin Holeless Hydraulic Passenger Elevator, 2,100 LB x 100 FPM.....	128,313.47	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	4,736.20	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,766.00	
For Stainless Steel Cab Interior, Add	8,119.20	
For Removal Of Existing Elevator, Add	21,653.87	
For Each Additional Stop, Add	27,450.58	
For An Additional 25 FPM, Add	2,326.82	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0011 EA Twin Holeless Hydraulic Passenger Elevator, 2,500 LB x 100 FPM.....	133,148.16	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	4,736.20	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,766.00	
For Stainless Steel Cab Interior, Add	8,119.20	
For Removal Of Existing Elevator, Add	21,653.87	
For Each Additional Stop, Add	27,450.58	
For An Additional 25 FPM, Add	2,326.82	
14 24 23 00-0012 EA Twin Holeless Hydraulic Passenger Elevator, 3,000 LB x 100 FPM.....	137,217.24	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	4,736.20	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,766.00	
For Stainless Steel Cab Interior, Add	8,119.20	
For Removal Of Existing Elevator, Add	21,653.87	
For Each Additional Stop, Add	27,450.58	
For An Additional 25 FPM, Add	2,326.82	
14 24 23 00-0013 EA Twin Holeless Hydraulic Passenger Elevator, 3,500 LB x 100 FPM.....	139,946.59	
For Each Opening With Bonderized Steel Door, Add	276.18	
For Each Opening With Stainless Steel Doors, Add	690.45	
For Custom Plastic Laminated Cab Interiors, Add	4,736.20	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,766.00	
For Stainless Steel Cab Interior, Add	8,119.20	
For Removal Of Existing Elevator, Add	21,653.87	
For Each Additional Stop, Add	27,450.58	
For An Additional 25 FPM, Add	2,326.82	

14 26 Limited-Use/Limited-Application Elevators (14 20)**14 26 00 00-0001 Small Elevators (LULA)** (14 26)

14 26 00 00-0002 EA Small Elevators (LULA), 1,400 LB x 30 FPM, 2 Stops, 2 Openings.....	89,952.30	
Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
For Each Additional Stop, Add	21,398.54	
For Removal Of Existing Elevator, Add	6,504.32	

14 27 Custom Elevator Cabs and Doors (14 20)**14 27 13 Custom Elevator Cab Finishes** (14 27)**14 27 13 00-0001 Custom Elevator Cab Finish Options** (14 27 13)

14 27 13 00-0002 EA Intercom Service.....	1,339.48	
Note: Review elevator task modifiers for additional cab finishes.		

14 27 13 00-0003 Custom Elevator Hall Finish Options (14 27 13)

14 27 13 00-0004 EA Stainless Steel Door, Hall Finishes.....	1,619.11	
14 27 13 00-0005 EA Stainless Steel Frames, Hall Finishes.....	1,701.44	
14 27 13 00-0006 EA Hall Lantern, Signal Devices.....	864.57	

14 27 16 Custom Elevator Doors (14 27)**14 27 16 00-0001 Custom Elevator Door Options** (14 27 16)

14 27 16 00-0002 EA Center Opening, 1 Speed Doors.....	3,364.97	
14 27 16 00-0003 EA Center Opening, 2 Speed Doors.....	4,298.01	
14 27 16 00-0004 EA Rear Opening Doors (Opposite Front).....	5,972.00	
14 27 16 00-0005 EA Side Opening, 2 Speed Doors.....	9,457.20	
14 27 16 00-0006 EA Bi-Parting Doors.....	10,155.22	
14 27 16 00-0007 EA Power Operated Door And Gate.....	30,956.64	

14 28 Elevator Equipment and Controls (14 20)**14 28 16 Elevator Controls** (14 28)**14 28 16 00-0001 Passenger Or Freight Elevator Options** (14 28 16)

14 28 16 00-0002 EA 2 Car Group, Elevator Automatic Controls.....	8,477.86	1,046.99
14 28 16 00-0003 EA 3 Car Group, Elevator Automatic Controls.....	12,841.71	1,569.36
14 28 16 00-0004 EA 4 Car Group, Elevator Automatic Controls.....	19,835.73	2,092.47
14 28 16 00-0005 EA 5 Car Group, Elevator Automatic Controls.....	27,881.96	2,655.80
14 28 16 00-0006 EA 6 Car Group, Elevator Automatic Controls.....	38,838.04	3,138.69
14 28 16 00-0007 EA Duplex Care Selective Collective.....	7,685.40	
14 28 16 00-0008 EA Automatic Emergency Power Switching.....	4,694.17	
14 28 16 00-0009 EA Manual Emergency Power Switching.....	859.08	
14 28 16 00-0010 EA Up To 3, Position Indicator, Signal Devices.....	205.13	
14 28 16 00-0011 EA >3, Position Indicator, Signal Devices.....	172.23	
14 28 16 00-0012 EA High Speed Heavy Duty Door Opener.....	3,018.68	
14 28 16 00-0013 EA Variable Voltage, Overhead Gearless Machine, Minimum.....	51,351.34	
14 28 16 00-0014 EA Variable Voltage, Overhead Gearless Machine, Average.....	83,840.58	



		Conveying Equipment	14
		Elevators	14 20
		Elevator Equipment and Controls	14 28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 28 16 00-0015	EA		Variable Voltage, Overhead Gearless Machine, Maximum.....	116,193.91	
14 28 16 00-0016	EA		Variable Voltage, Basement Installed Geared Machine, Minimum	21,518.06	
14 28 16 00-0017	EA		Variable Voltage, Basement Installed Geared Machine, Average	26,567.48	
14 28 16 00-0018	EA		Variable Voltage, Basement Installed Geared Machine, Maximum	29,421.50	

14 30 Escalators and Moving Walks ⁽¹⁴⁾

14 31 Escalators ^(14 30)

14 31 00 00-0001 Stainless Steel Escalator Construction ^(14 31)

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

14 31 00 00-0002	EA		Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height.....	146,321.19	13,485.79
14 31 00 00-0003	EA		Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height.....	162,339.78	15,937.76
14 31 00 00-0004	EA		Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height.....	176,852.56	18,389.73
14 31 00 00-0005	EA		Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height.....	195,729.00	22,067.67
14 31 00 00-0006	EA		Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height.....	216,057.20	24,519.63
14 31 00 00-0007	EA		Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height.....	154,693.21	14,343.98
14 31 00 00-0008	EA		Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height.....	171,972.18	17,163.74
14 31 00 00-0009	EA		Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height.....	186,480.05	19,615.70
14 31 00 00-0010	EA		Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height.....	210,454.40	24,642.23
14 31 00 00-0011	EA		Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height.....	226,641.99	26,481.21
14 31 00 00-0012	EA		Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height.....	163,474.46	15,202.18
14 31 00 00-0013	EA		Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height.....	182,319.80	18,389.73
14 31 00 00-0014	EA		Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height.....	196,514.82	20,841.69
14 31 00 00-0015	EA		Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height.....	226,228.86	25,990.81
14 31 00 00-0016	EA		Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height.....	240,061.56	28,442.77
14 31 00 00-0017	EA		Escalator Fire Shutter Fusible Link.....	21,339.65	490.39

14 32 Moving Walks ^(14 30)

14 32 00 00-0001 Moving Sidewalks ^(14 32)

Note: Prices are medians. Includes safety rails.

14 32 00 00-0002	LF		Moving Sidewalks, 28" Wide.....	1,568.96	294.24
			<i>For Each LF Of Ramp Or Sloped Sections, Add</i>	243.18	
14 32 00 00-0003	LF		Moving Sidewalks, 36" Wide.....	2,079.92	300.37
			<i>For Each LF Of Ramp Or Sloped Sections, Add</i>	343.91	
14 32 00 00-0004	LF		Moving Sidewalks, 48" Wide.....	2,341.01	312.63
			<i>For Each LF Of Ramp Or Sloped Sections, Add</i>	393.18	
14 32 00 00-0005	LF		Moving Sidewalks, 54" Wide.....	2,688.17	339.11
			<i>For Each LF Of Ramp Or Sloped Sections, Add</i>	456.25	

14 40 Lifts ⁽¹⁴⁾

14 42 Wheelchair Lifts ^(14 40)

14 42 13 Inclined Wheelchair Lifts ^(14 42)

14 42 13 00-0001 Chair Lift-Stair Climber ^(14 42 13)

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA		Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity.....	7,519.94	1,054.82
------------------	----	--	---	----------	----------

Note: Includes top and bottom call button, safety chair, track, and power unit.

14 42 16 Vertical Wheelchair Lifts ^(14 42)

14 42 16 00-0001 Wheelchair Lift (Shorty) ^(14 42 16)

14 42 16 00-0002	EA		36" Vertical Travel Wheelchair Platform Scissor Lift.....	8,980.98	738.38
			Note: 1000 LB capacity. Includes handrails and manual ramp.		
			<i>For Accordion Safety Skirt, Add</i>	1,002.60	
			<i>For Removable Handrails, Add</i>	102.18	
			<i>For Power Operated Ramp, Add</i>	894.04	
14 42 16 00-0003	EA		42" Vertical Travel Wheelchair Platform Scissor Lift.....	11,047.41	922.96
			Note: 1000 LB capacity. Includes handrails and manual ramp.		
			<i>For 2,000 LB Capacity, Add</i>	600.28	
			<i>For 3,000 LB Capacity, Add</i>	1,002.60	
			<i>For 4,000 LB Capacity, Add</i>	1,500.71	
			<i>For Accordion Safety Skirt, Add</i>	1,002.60	
			<i>For Removable Handrails, Add</i>	102.18	
			<i>For Power Operated Ramp, Add</i>	894.04	
14 42 16 00-0004	EA		70" Vertical Travel Wheelchair Platform Scissor Lift.....	13,179.58	1,199.85
			Note: 1000 LB capacity. Includes handrails and manual ramp.		
			<i>For 2,000 LB Capacity, Add</i>	600.28	
			<i>For 3,000 LB Capacity, Add</i>	1,002.60	
			<i>For 4,000 LB Capacity, Add</i>	1,500.71	
			<i>For Accordion Safety Skirt, Add</i>	1,002.60	
			<i>For Removable Handrails, Add</i>	102.18	
			<i>For Power Operated Ramp, Add</i>	894.04	

14 Conveying Equipment**14 40 Lifts****14 42 Wheelchair Lifts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 42 16 00-0005 EA 84" Vertical Travel Wheelchair Platform Scissor Lift..... Note: 1000 LB capacity. Includes handrails and manual ramp.	14,811.77	1,384.45
For 2,000 LB Capacity, Add	600.28	
For 3,000 LB Capacity, Add	1,002.60	
For 4,000 LB Capacity, Add	1,500.71	
For Accordion Safety Skirt, Add	1,002.60	
For Removable Handrails, Add	102.18	
For Power Operated Ramp, Add	894.04	
14 42 16 00-0006 EA 18' Travel Wheelchair Incline Lift..... Note: 500 LB capacity, interior installation.	15,274.94	659.26

14 90 Other Conveying Equipment ⁽¹⁴⁾**14 91 Facility Chutes** ^(14 90)**14 91 82 Trash Chutes** ^(14 91)**14 91 82 00-0001 Trash Chutes** ^(14 91 82)

14 91 82 00-0002 LF 18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	38.79	5.47
For Aluminum, Add	2.84	
For Stainless Steel, Add	9.92	
14 91 82 00-0003 LF 24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	49.72	5.47
For Aluminum, Add	3.84	
For Stainless Steel, Add	13.42	
14 91 82 00-0004 LF 30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	54.81	6.84
For Aluminum, Add	4.25	
For Stainless Steel, Add	14.88	
14 91 82 00-0005 LF 36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	83.37	6.84
For Aluminum, Add	7.00	
For Stainless Steel, Add	24.51	
14 91 82 00-0006 EA Trash Chutes, Hopper.....	757.33	38.29
For Aluminum, Add	68.03	
For Stainless Steel, Add	238.09	
14 91 82 00-0007 EA Trash Chutes, Skylight.....	387.37	75.21
For Aluminum, Add	23.66	
For Stainless Steel, Add	82.81	
14 91 82 00-0008 EA Trash Chutes, Sprinkler Unit At Top.....	276.89	82.04
For Aluminum, Add	10.35	
For Stainless Steel, Add	36.23	
14 91 82 00-0009 EA Trash Chutes, Sprinkler Unit At Intake Hopper.....	75.54	28.71
For Aluminum, Add	1.78	
For Stainless Steel, Add	6.21	
14 91 82 00-0010 EA Refuse Type Bottom Storage Hopper Unit.....	654.46	102.55
For Aluminum, Add	43.77	
For Stainless Steel, Add	153.21	
14 91 82 00-0011 EA Hopper Doors.....	1,441.84	68.25

14 92 Pneumatic Tube Systems ^(14 90)**14 92 00 00-0001 Pneumatic Message Tube Station** ^(14 92)

Note: Twin tube, two or more stations, conventional

14 92 00 00-0002 LF 2-1/2" Tube With Bracketing.....	48.79	16.17
14 92 00 00-0003 LF 3" Tube With Bracketing.....	58.92	21.76
14 92 00 00-0004 LF 4" Tube With Bracketing.....	66.08	19.90
14 92 00 00-0005 LF 6" Tube With Bracketing.....	80.13	24.87
14 92 00 00-0006 LF 4" x 7" Oval Tube With Bracketing.....	83.86	26.74
14 92 00 00-0007 EA Blower Assembly.....	7,312.02	497.46
14 92 00 00-0008 EA Receiving Station, Round Or Oval.....	697.45	132.45
14 92 00 00-0009 EA Multi-Sided Dispatching Station, 3 Carrier.....	2,533.40	186.54
14 92 00 00-0010 EA Laboratory Receiving Station, Round Or Oval.....	1,777.81	167.90
14 92 00 00-0011 EA 2-Way Diverter Station.....	3,169.43	186.54
14 92 00 00-0012 EA 3-Way Diverter Station.....	4,054.05	217.64
14 92 00 00-0013 EA 4-Way Diverter Station.....	4,872.89	248.73

END OF SECTION 14



Fire Suppression	21	12
Operation and Maintenance of Fire Suppression	21 01	
Operation and Maintenance of Water-Based Fire-Suppression Systems	21 01 10	

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

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems ^(21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration ^(21 01 10)

21 01 10 91-0001	EA	Relocate Sprinkler Head And Branch Piping ^(21 01 10 91)	
		See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).	
21 01 10 91-0002	EA	Relocate 1 Existing Sprinkler Head And Branch Piping.....	697.12
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0003	EA	Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping.....	418.28
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0004	EA	Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping.....	167.31
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0005	EA	Relocate >10 Existing Sprinkler Heads And Branch Piping.....	83.65
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	

21 01 10 91-0006 Purge And Refill System Sprinkler Piping ^(21 01 10 91)

Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.

21 01 10 91-0007	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	484.36
21 01 10 91-0008	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	691.76
21 01 10 91-0009	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	828.87
21 01 10 91-0010	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	1,036.08
21 01 10 91-0011	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	1,346.91
21 01 10 91-0012	LF	>2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	0.67
21 01 10 91-0013	EA	Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	678.11
21 01 10 91-0014	EA	>100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	968.48
21 01 10 91-0015	EA	>250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,160.42
21 01 10 91-0016	EA	>500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,450.51
21 01 10 91-0017	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,885.67
21 01 10 91-0018	LF	>2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	0.95
21 01 10 91-0019	EA	Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	932.39
21 01 10 91-0020	EA	>100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,331.65
21 01 10 91-0021	EA	>250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,595.58
21 01 10 91-0022	EA	>500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,994.46
21 01 10 91-0023	EA	>1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,592.80
21 01 10 91-0024	LF	>2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1.30
21 01 10 91-0025	EA	Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,258.74
21 01 10 91-0026	EA	>100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,797.72
21 01 10 91-0027	EA	>250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,908.38
21 01 10 91-0028	EA	>500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,385.46
21 01 10 91-0029	EA	>1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	3,101.12
21 01 10 91-0030	LF	>2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1.55

21 01 30 Operation and Maintenance of Fire-Suppression Equipment ^(21 01)

21 01 30 91 Fire-Suppression Equipment Restoration ^(21 01 30)

21 01 30 91-0001		Inspection And Recharge ^(21 01 30 91)	
21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide.....	299.76
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide.....	2.80
21 01 30 91-0004	EA	Inspection, Halon 1301.....	299.76
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301.....	67.22
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical.....	181.25
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical.....	63.02
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical.....	181.25
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical.....	5.60
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents.....	55.77
		See CSI section 23 05 93 00-0046 for testing existing piping systems.	
21 01 30 91-0011	EA	Disarm/Arm System.....	97.60

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

21 05 13 Common Motor Requirements for Fire-Suppression Equipment ^(21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems ^(21 05)

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge ^(21 05 19)

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge.....	54.64	16.35
		Note: For fire sprinkler systems		
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	56.44	16.35
		Note: For fire sprinkler systems		
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge.....	64.85	16.35
		Note: For fire sprinkler systems		
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	68.30	16.35
		Note: For fire sprinkler systems		
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge.....	71.75	16.35
		Note: For fire sprinkler systems		

21 05 19 00-0007 Fire Service Meter Cast Iron Housing ^(21 05 19)

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	4,326.42	230.33
		For >10 To 25, Deduct	-216.32	
		For >25, Deduct	-620.14	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	8,779.90	386.13
		For >10 To 25, Deduct	-439.00	
		For >25, Deduct	-1,268.60	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	11,838.71	496.10
		For >10 To 25, Deduct	-591.94	
		For >25, Deduct	-1,713.57	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	15,431.88	633.90
		For >10 To 25, Deduct	-771.59	
		For >25, Deduct	-2,236.04	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	21,688.67	771.71
		For >10 To 25, Deduct	-1,084.43	
		For >25, Deduct	-3,156.84	

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping

^(21 05)
See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

21 05 23 00-0001 TESTanDRAIN® Valve ^(21 05 23)

21 05 23 00-0002	EA	1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600).....	242.41	18.85
21 05 23 00-0003	EA	1" Threaded TESTanDRAIN® Valve (AGF 1000).....	274.81	22.78
21 05 23 00-0004	EA	1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000).....	336.70	28.79
21 05 23 00-0005	EA	1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000).....	517.66	33.24
21 05 23 00-0006	EA	2" Threaded TESTanDRAIN® Valve (AGF 1000).....	547.06	39.26
21 05 23 00-0007	EA	1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	380.09	22.78
21 05 23 00-0008	EA	1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	440.95	28.79
21 05 23 00-0009	EA	1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	625.09	33.24
21 05 23 00-0010	EA	2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	657.34	39.26

21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment ^(21 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment ^(21 05)**21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment** ^(21 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification for Fire-Suppression Piping and Equipment ^(21 05)

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation ⁽²¹⁾**21 07 16 Fire-Suppression Equipment Insulation** ^(21 07)

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation ^(21 07)

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems ⁽²¹⁾

See CSI section 22 11 16 00-0368 for copper pipe, 22 11 16 00-0912 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping ^(21 10)



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

21 11 19 Fire-Department Connections (21 11)

21 11 19 00-0001 Fire Department Connections (21 11 19)

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass <i>For Polished Chrome, Add</i>	1,090.76 56.54	421.42
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass <i>For Polished Chrome, Add</i>	1,490.78 86.55	526.78
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass <i>For Polished Chrome, Add</i>	1,515.66 109.62	421.42
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass <i>For Polished Chrome, Add</i>	1,989.28 148.86	526.78
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass <i>For Polished Chrome, Add</i>	2,111.14 164.09	526.78
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass <i>For Polished Chrome, Add</i>	1,856.75 126.55	557.53
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass <i>For Polished Chrome, Add</i>	1,219.30 72.61	421.42

21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated (21 11 19)

See CSI section 33 14 19 00-0159 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	1,561.81	386.13
------------------	----	---	----------	--------

21 12 Fire-Suppression Standpipes (21 10)

See CSI section 23 21 13 23-0000 for black steel pipe.

21 12 13 Fire-Suppression Hoses and Nozzles (21 12)

21 12 13 00-0001 Fire Hose (21 12 13)

21 12 13 00-0002 Fire Hose Without Couplings (21 12 13 00-0001)

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.47	2.79
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	4.00	2.79
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.68	2.79
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	4.26	2.79
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	3.80	2.79
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	4.60	2.79
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	3.89	2.79
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	4.80	2.79

21 12 13 00-0011 Fire Hose With Aluminum Couplings (21 12 13 00-0001)

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	8.48	1.53
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	10.56	1.81
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	17.75	1.81

21 12 13 00-0015 Fire Hose Accessories (21 12 13 00-0001)

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	163.76	46.01
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	239.91	51.59
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	96.97	36.25
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	175.60	36.25
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	142.01	36.25
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	197.64	36.25
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	347.37	153.36
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	452.78	153.36

21 12 23 Fire-Suppression Hose Valves (21 12)

21 12 23 00-0001 Standpipe Valves (21 12 23)

21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain <i>For Polished Chrome, Add</i>	681.06 38.83	278.77
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass <i>For Polished Chrome, Add</i>	987.49 84.80	278.64
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass <i>For Polished Chrome, Add</i>	1,236.46 116.95	301.41
21 12 23 00-0005	EA	3" x 3" x 4" Fire Department Valve, Flush, Polished Brass <i>For Polished Chrome, Add</i>	1,429.06 151.03	278.64
21 12 23 00-0006	EA	3" x 3" x 6" Fire Department Valve, Flush, Polished Brass <i>For Polished Chrome, Add</i>	1,662.04 180.79	301.41
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass <i>For Polished Chrome, Add</i>	940.56 77.76	278.64
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass <i>For Polished Chrome, Add</i>	1,310.06 127.99	301.41
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass <i>For Polished Chrome, Add</i>	1,614.43 141.43	287.66
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass <i>For Polished Chrome, Add</i>	2,252.18 212.15	319.60
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass <i>For Polished Chrome, Add</i>	1,720.03 154.10	287.66

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 12 Fire-Suppression Standpipes**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	2,411.27		319.60
		<i>For Polished Chrome, Add</i>	231.24		
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Square, Flush, Polished Brass.....	6,264.54		383.47
		<i>For Polished Chrome, Add</i>	568.34		
21 12 23 00-0014		Fire Hose Angle Valves <small>(21 12 23)</small>			
21 12 23 00-0015	EA	1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve.....	241.85		37.65
21 12 23 00-0016	EA	1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve.....	285.20		37.65
21 12 23 00-0017	EA	1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	269.44		37.65
21 12 23 00-0018	EA	1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve.....	312.78		37.65
21 12 23 00-0019	EA	2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve.....	427.99		62.74
21 12 23 00-0020	EA	2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve.....	491.05		62.74
21 12 23 00-0021	EA	2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	496.30		62.74
21 12 23 00-0022	EA	2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve.....	559.36		62.74
21 12 29		Fire-Suppression Fire Hose Equipment <small>(21 12)</small>			
21 12 29 00-0001		Standpipe And Fire Hose Equipment <small>(21 12 29)</small>			
21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass.....	2,593.36		691.03
21 12 29 00-0003	EA	Water Motor Gong.....	884.25		195.34
21 12 29 00-0004	EA	Fire Riser Flow Switch (National Fire Protection Association 13).....	692.30		22.73
21 12 29 00-0005	EA	Water Flow Supervisory (Tammer) Switch Mounted On Valve.....	252.11		38.87
21 12 29 00-0006	EA	Lever Type Bleeder Valve (Potter BVL).....	176.86		38.87
21 12 29 00-0007		Water Flow Detector <small>(21 12 29)</small>			
21 12 29 00-0008		Pressure-Type Wazter Flow Detector <small>(21 12 29 00-0007)</small>			
21 12 29 00-0009	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe.....	417.13		119.62
21 12 29 00-0010	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe.....	602.51		158.50
21 12 29 00-0011	EA	Pressure-Type Water Flow Detector For >4" To 8" Pipe.....	917.59		179.43
21 12 29 00-0012		Vane-Type Water Flow Detector <small>(21 12 29 00-0007)</small>			
21 12 29 00-0013	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Pipe.....	513.40		119.62
21 12 29 00-0014	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe.....	720.45		158.50
21 12 29 00-0015	EA	Vane-Type Water Flow Detector For >4" To 8" Pipe.....	1,104.56		179.43
21 13		Fire-Suppression Sprinkler Systems <small>(21 10)</small>			
21 13 13		Wet-Pipe Sprinkler Systems <small>(21 13)</small>			
21 13 13 00-0001		Complete Wet Pipe Sprinkler Systems <small>(21 13 13)</small>			
		Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1367 for individual grooved pipe, 23 21 13 23-1440 for individual grooved pipe fittings.			
21 13 13 00-0002		Light Hazard, Complete Wet-Pipe Sprinkler Systems <small>(21 13 13 00-0001)</small>			
21 13 13 00-0003	EA	Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	576.27		
		Note: Includes branch pipe and fittings, supports and sprinkler heads.			
		<i>For Copper Pipe, Add</i>	68.56		
		<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-97.37		
		<i>For Up To 5, Add</i>	266.27		
		<i>For >5 To 10, Add</i>	168.90		
		<i>For >10 To 20, Add</i>	111.27		
		<i>For >20 To 40, Add</i>	46.69		
		<i>For >100 To 150, Deduct</i>	-57.63		
		<i>For >150, Deduct</i>	-115.25		
21 13 13 00-0004	EA	Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	763.13		
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.			
		<i>For Copper Pipe, Add</i>	88.14		
		<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-126.30		
		<i>For Up To 5, Add</i>	357.91		
		<i>For >5 To 10, Add</i>	231.62		
		<i>For >10 To 20, Add</i>	155.30		
		<i>For >20 To 40, Add</i>	64.49		
		<i>For >100 To 150, Deduct</i>	-76.31		
		<i>For >150, Deduct</i>	-152.63		
21 13 13 00-0005		Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems <small>(21 13 13 00-0001)</small>			



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0006 EA Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	574.02	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Copper Pipe, Add	68.44	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-97.14	
For Up To 5, Add	264.94	
For >5 To 10, Add	167.80	
For >10 To 20, Add	110.40	
For >20 To 40, Add	46.37	
For >100 To 150, Deduct	-57.40	
For >150, Deduct	-114.80	
21 13 13 00-0007 EA Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	756.32	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Copper Pipe, Add	87.47	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-125.28	
For Up To 5, Add	354.49	
For >5 To 10, Add	229.21	
For >10 To 20, Add	153.58	
For >20 To 40, Add	63.80	
For >100 To 150, Deduct	-75.63	
For >150, Deduct	-151.26	
21 13 13 00-0008 Extra Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 00-0001)		
21 13 13 00-0009 EA Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	531.17	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Copper Pipe, Add	63.22	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-89.78	
For Up To 5, Add	245.37	
For >5 To 10, Add	155.59	
For >10 To 20, Add	102.47	
For >20 To 40, Add	43.01	
For >100 To 150, Deduct	-53.12	
For >150, Deduct	-106.23	
21 13 13 00-0010 EA Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	701.20	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Copper Pipe, Add	80.98	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-116.04	
For Up To 5, Add	328.89	
For >5 To 10, Add	212.85	
For >10 To 20, Add	142.73	
For >20 To 40, Add	59.26	
For >100 To 150, Deduct	-70.12	
For >150, Deduct	-140.24	
21 13 13 00-0011 Wet Pipe Sprinkler Components (21 13 13)		
Note: Excludes hydraulic calculations.		
21 13 13 00-0012 Wet Pipe Alarm Check Valves (21 13 13 00-0011)		
Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013 EA 2-1/2" Wet Pipe Alarm Check Valve.....	1,661.37	164.48
21 13 13 00-0014 EA 3" Wet Pipe Alarm Check Valve.....	1,709.22	188.40
21 13 13 00-0015 EA 4" Wet Pipe Alarm Check Valve.....	1,972.39	320.00
21 13 13 00-0016 EA 6" Wet Pipe Alarm Check Valve.....	1,956.10	403.73
21 13 13 00-0017 EA 8" Wet Pipe Alarm Check Valve.....	3,379.08	511.39
21 13 13 00-0018 Wet Pipe Valve Trim (21 13 13 00-0011)		
Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019 EA 2-1/2" Wet Pipe Valve Trim.....	1,532.91	348.11
21 13 13 00-0020 EA 3" Wet Pipe Valve Trim.....	1,610.72	348.11
21 13 13 00-0021 EA 4" Wet Pipe Valve Trim.....	1,966.57	477.29
21 13 13 00-0022 EA 6" Wet Pipe Valve Trim.....	2,355.39	663.91
21 13 13 00-0023 EA 8" Wet Pipe Valve Trim.....	2,618.56	821.81
21 13 13 00-0024 Wet Pipe Sprinkler Heads (21 13 00-0011)		
21 13 13 00-0025 Upright Wet Pipe Sprinkler Heads (21 13 00-0024)		
21 13 13 00-0026 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head.....	87.82	15.68
For >25 To 50, Deduct	-3.14	
For >50 To 100, Deduct	-7.53	
For >100 To 500, Deduct	-12.55	
For >500 To 1,000, Deduct	-26.47	
For >1,000, Deduct	-39.02	
21 13 13 00-0027 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head.....	90.37	15.68
For >25 To 50, Deduct	-3.14	
For >50 To 100, Deduct	-7.66	
For >100 To 500, Deduct	-12.86	
For >500 To 1,000, Deduct	-26.93	
For >1,000, Deduct	-39.48	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0028	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	92.00	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.74	
			<i>For >100 To 500, Deduct</i>	-13.07	
			<i>For >500 To 1,000, Deduct</i>	-27.23	
			<i>For >1,000, Deduct</i>	-39.77	
21 13 13 00-0029	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	89.10	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.59	
			<i>For >100 To 500, Deduct</i>	-12.71	
			<i>For >500 To 1,000, Deduct</i>	-26.70	
			<i>For >1,000, Deduct</i>	-39.25	
21 13 13 00-0030	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	91.75	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.72	
			<i>For >100 To 500, Deduct</i>	-13.04	
			<i>For >500 To 1,000, Deduct</i>	-27.18	
			<i>For >1,000, Deduct</i>	-39.73	
21 13 13 00-0031	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	93.45	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.81	
			<i>For >100 To 500, Deduct</i>	-13.25	
			<i>For >500 To 1,000, Deduct</i>	-27.49	
			<i>For >1,000, Deduct</i>	-40.03	
21 13 13 00-0032	EA		1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	105.82	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.43	
			<i>For >100 To 500, Deduct</i>	-14.80	
			<i>For >500 To 1,000, Deduct</i>	-29.71	
			<i>For >1,000, Deduct</i>	-42.26	
21 13 13 00-0033	EA		1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	112.67	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.77	
			<i>For >100 To 500, Deduct</i>	-15.65	
			<i>For >500 To 1,000, Deduct</i>	-30.95	
			<i>For >1,000, Deduct</i>	-43.49	
21 13 13 00-0034	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	105.82	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.43	
			<i>For >100 To 500, Deduct</i>	-14.80	
			<i>For >500 To 1,000, Deduct</i>	-29.71	
			<i>For >1,000, Deduct</i>	-42.26	
21 13 13 00-0035	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	112.67	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.77	
			<i>For >100 To 500, Deduct</i>	-15.65	
			<i>For >500 To 1,000, Deduct</i>	-30.95	
			<i>For >1,000, Deduct</i>	-43.49	
21 13 13 00-0036	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	96.96	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.99	
			<i>For >100 To 500, Deduct</i>	-13.69	
			<i>For >500 To 1,000, Deduct</i>	-28.12	
			<i>For >1,000, Deduct</i>	-40.67	
21 13 13 00-0037	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	100.30	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.15	
			<i>For >100 To 500, Deduct</i>	-14.11	
			<i>For >500 To 1,000, Deduct</i>	-28.72	
			<i>For >1,000, Deduct</i>	-41.27	
21 13 13 00-0038	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	100.21	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.50	
			<i>For >100 To 500, Deduct</i>	-14.27	
			<i>For >500 To 1,000, Deduct</i>	-29.89	
			<i>For >1,000, Deduct</i>	-43.83	
21 13 13 00-0039	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	104.12	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.69	
			<i>For >100 To 500, Deduct</i>	-14.76	
			<i>For >500 To 1,000, Deduct</i>	-30.59	
			<i>For >1,000, Deduct</i>	-44.53	
21 13 13 00-0040	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	104.91	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.73	
			<i>For >100 To 500, Deduct</i>	-14.86	
			<i>For >500 To 1,000, Deduct</i>	-30.73	
			<i>For >1,000, Deduct</i>	-44.68	
21 13 13 00-0041	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	100.21	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.50	
			<i>For >100 To 500, Deduct</i>	-14.27	
			<i>For >500 To 1,000, Deduct</i>	-29.89	
			<i>For >1,000, Deduct</i>	-43.83	



Fire Suppression	21	
Water-Based Fire-Suppression Systems	21 10	12
Fire-Suppression Sprinkler Systems	21 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0042	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	104.12	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.69	
			<i>For >100 To 500, Deduct</i>	-14.76	
			<i>For >500 To 1,000, Deduct</i>	-30.59	
			<i>For >1,000, Deduct</i>	-44.53	
21 13 13 00-0043	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	104.91	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.73	
			<i>For >100 To 500, Deduct</i>	-14.86	
			<i>For >500 To 1,000, Deduct</i>	-30.73	
			<i>For >1,000, Deduct</i>	-44.68	
21 13 13 00-0044	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	95.20	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.90	
			<i>For >100 To 500, Deduct</i>	-13.47	
			<i>For >500 To 1,000, Deduct</i>	-27.80	
			<i>For >1,000, Deduct</i>	-40.35	
21 13 13 00-0045	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	97.75	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.02	
			<i>For >100 To 500, Deduct</i>	-13.79	
			<i>For >500 To 1,000, Deduct</i>	-28.26	
			<i>For >1,000, Deduct</i>	-40.81	
21 13 13 00-0046	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	98.24	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.05	
			<i>For >100 To 500, Deduct</i>	-13.85	
			<i>For >500 To 1,000, Deduct</i>	-28.35	
			<i>For >1,000, Deduct</i>	-40.90	
21 13 13 00-0047	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	95.20	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.90	
			<i>For >100 To 500, Deduct</i>	-13.47	
			<i>For >500 To 1,000, Deduct</i>	-27.80	
			<i>For >1,000, Deduct</i>	-40.35	
21 13 13 00-0048	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	97.75	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.02	
			<i>For >100 To 500, Deduct</i>	-13.79	
			<i>For >500 To 1,000, Deduct</i>	-28.26	
			<i>For >1,000, Deduct</i>	-40.81	
21 13 13 00-0049	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	98.24	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.05	
			<i>For >100 To 500, Deduct</i>	-13.85	
			<i>For >500 To 1,000, Deduct</i>	-28.35	
			<i>For >1,000, Deduct</i>	-40.90	
21 13 13 00-0050	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	98.24	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.05	
			<i>For >100 To 500, Deduct</i>	-13.85	
			<i>For >500 To 1,000, Deduct</i>	-28.35	
			<i>For >1,000, Deduct</i>	-40.90	
21 13 13 00-0051	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	127.60	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-9.87	
			<i>For >100 To 500, Deduct</i>	-17.69	
			<i>For >500 To 1,000, Deduct</i>	-34.82	
			<i>For >1,000, Deduct</i>	-48.76	
21 13 13 00-0052	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	130.54	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-10.01	
			<i>For >100 To 500, Deduct</i>	-18.06	
			<i>For >500 To 1,000, Deduct</i>	-35.35	
			<i>For >1,000, Deduct</i>	-49.29	
21 13 13 00-0053	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	130.54	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-10.01	
			<i>For >100 To 500, Deduct</i>	-18.06	
			<i>For >500 To 1,000, Deduct</i>	-35.35	
			<i>For >1,000, Deduct</i>	-49.29	
21 13 13 00-0054	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	107.79	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.88	
			<i>For >100 To 500, Deduct</i>	-15.22	
			<i>For >500 To 1,000, Deduct</i>	-31.25	
			<i>For >1,000, Deduct</i>	-45.19	
21 13 13 00-0055	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	109.80	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.98	
			<i>For >100 To 500, Deduct</i>	-15.47	
			<i>For >500 To 1,000, Deduct</i>	-31.61	
			<i>For >1,000, Deduct</i>	-45.56	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0056	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	109.80	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.98	
			<i>For >100 To 500, Deduct</i>	-15.47	
			<i>For >500 To 1,000, Deduct</i>	-31.61	
			<i>For >1,000, Deduct</i>	-45.56	
21 13 13 00-0057	EA		1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	272.01	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-16.74	
			<i>For >100 To 500, Deduct</i>	-35.57	
			<i>For >500 To 1,000, Deduct</i>	-59.63	
			<i>For >1,000, Deduct</i>	-72.18	
21 13 13 00-0058	EA		3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	299.72	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-18.47	
			<i>For >100 To 500, Deduct</i>	-39.21	
			<i>For >500 To 1,000, Deduct</i>	-65.80	
			<i>For >1,000, Deduct</i>	-79.74	
21 13 13 00-0059	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	154.37	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-10.86	
			<i>For >100 To 500, Deduct</i>	-20.86	
			<i>For >500 To 1,000, Deduct</i>	-38.45	
			<i>For >1,000, Deduct</i>	-51.00	
21 13 13 00-0060	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	185.02	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-12.39	
			<i>For >100 To 500, Deduct</i>	-24.70	
			<i>For >500 To 1,000, Deduct</i>	-43.97	
			<i>For >1,000, Deduct</i>	-56.52	
21 13 13 00-0061	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	313.18	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-18.80	
			<i>For >100 To 500, Deduct</i>	-40.72	
			<i>For >500 To 1,000, Deduct</i>	-67.04	
			<i>For >1,000, Deduct</i>	-79.59	
21 13 13 00-0062	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	393.05	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-22.79	
			<i>For >100 To 500, Deduct</i>	-50.70	
			<i>For >500 To 1,000, Deduct</i>	-81.41	
			<i>For >1,000, Deduct</i>	-93.96	
21 13 13 00-0063	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	191.99	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-13.09	
			<i>For >100 To 500, Deduct</i>	-25.74	
			<i>For >500 To 1,000, Deduct</i>	-46.41	
			<i>For >1,000, Deduct</i>	-60.35	
21 13 13 00-0064	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	192.92	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-13.13	
			<i>For >100 To 500, Deduct</i>	-25.86	
			<i>For >500 To 1,000, Deduct</i>	-46.58	
			<i>For >1,000, Deduct</i>	-60.52	
21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>					
21 13 13 00-0066	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	87.82	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.53	
			<i>For >100 To 500, Deduct</i>	-12.55	
			<i>For >500 To 1,000, Deduct</i>	-26.47	
			<i>For >1,000, Deduct</i>	-39.02	
21 13 13 00-0067	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head.....	90.37	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.66	
			<i>For >100 To 500, Deduct</i>	-12.86	
			<i>For >500 To 1,000, Deduct</i>	-26.93	
			<i>For >1,000, Deduct</i>	-39.48	
21 13 13 00-0068	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	92.00	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.74	
			<i>For >100 To 500, Deduct</i>	-13.07	
			<i>For >500 To 1,000, Deduct</i>	-27.23	
			<i>For >1,000, Deduct</i>	-39.77	
21 13 13 00-0069	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head.....	101.12	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.54	
			<i>For >100 To 500, Deduct</i>	-14.38	
			<i>For >500 To 1,000, Deduct</i>	-30.05	
			<i>For >1,000, Deduct</i>	-43.99	



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0070 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	104.12	17.42
For >25 To 50, Deduct	-3.49	
For >50 To 100, Deduct	-8.69	
For >100 To 500, Deduct	-14.76	
For >500 To 1,000, Deduct	-30.59	
For >1,000, Deduct	-44.53	
21 13 13 00-0071 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	104.58	17.42
For >25 To 50, Deduct	-3.49	
For >50 To 100, Deduct	-8.71	
For >100 To 500, Deduct	-14.82	
For >500 To 1,000, Deduct	-30.68	
For >1,000, Deduct	-44.62	
21 13 13 00-0072 EA 1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	272.01	15.68
For >25 To 50, Deduct	-3.14	
For >50 To 100, Deduct	-16.74	
For >100 To 500, Deduct	-35.57	
For >500 To 1,000, Deduct	-59.63	
For >1,000, Deduct	-72.18	
21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
See CSI section 21 13 13 00-0209 for escutcheon for recessed pendant sprinkler head.		
21 13 13 00-0074 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Brass Wet Pipe Sprinkler Head	87.82	15.68
For >25 To 50, Deduct	-3.14	
For >50 To 100, Deduct	-7.53	
For >100 To 500, Deduct	-12.55	
For >500 To 1,000, Deduct	-26.47	
For >1,000, Deduct	-39.02	
21 13 13 00-0075 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head	90.37	15.68
For >25 To 50, Deduct	-3.14	
For >50 To 100, Deduct	-7.66	
For >100 To 500, Deduct	-12.86	
For >500 To 1,000, Deduct	-26.93	
For >1,000, Deduct	-39.48	
21 13 13 00-0076 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant White Polyester Coated Wet Pipe Sprinkler Head	92.00	15.68
For >25 To 50, Deduct	-3.14	
For >50 To 100, Deduct	-7.74	
For >100 To 500, Deduct	-13.07	
For >500 To 1,000, Deduct	-27.23	
For >1,000, Deduct	-39.77	
21 13 13 00-0077 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Brass Wet Pipe Sprinkler Head	100.21	17.42
For >25 To 50, Deduct	-3.49	
For >50 To 100, Deduct	-8.50	
For >100 To 500, Deduct	-14.27	
For >500 To 1,000, Deduct	-29.89	
For >1,000, Deduct	-43.83	
21 13 13 00-0078 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head	104.12	17.42
For >25 To 50, Deduct	-3.49	
For >50 To 100, Deduct	-8.69	
For >100 To 500, Deduct	-14.76	
For >500 To 1,000, Deduct	-30.59	
For >1,000, Deduct	-44.53	
21 13 13 00-0079 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant White Polyester Coated Wet Pipe Sprinkler Head	104.91	17.42
For >25 To 50, Deduct	-3.49	
For >50 To 100, Deduct	-8.73	
For >100 To 500, Deduct	-14.86	
For >500 To 1,000, Deduct	-30.73	
For >1,000, Deduct	-44.68	
21 13 13 00-0080 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant Brass Wet Pipe Sprinkler Head	95.20	15.68
For >25 To 50, Deduct	-3.14	
For >50 To 100, Deduct	-7.90	
For >100 To 500, Deduct	-13.47	
For >500 To 1,000, Deduct	-27.80	
For >1,000, Deduct	-40.35	
21 13 13 00-0081 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant Chrome Wet Pipe Sprinkler Head	97.75	15.68
For >25 To 50, Deduct	-3.14	
For >50 To 100, Deduct	-8.02	
For >100 To 500, Deduct	-13.79	
For >500 To 1,000, Deduct	-28.26	
For >1,000, Deduct	-40.81	
21 13 13 00-0082 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant White Polyester Coated Wet Pipe Sprinkler Head	98.24	15.68
For >25 To 50, Deduct	-3.14	
For >50 To 100, Deduct	-8.05	
For >100 To 500, Deduct	-13.85	
For >500 To 1,000, Deduct	-28.35	
For >1,000, Deduct	-40.90	
21 13 13 00-0083 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant Brass Wet Pipe Sprinkler Head	95.20	15.68
For >25 To 50, Deduct	-3.14	
For >50 To 100, Deduct	-7.90	
For >100 To 500, Deduct	-13.47	
For >500 To 1,000, Deduct	-27.80	
For >1,000, Deduct	-40.35	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0084	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	97.75	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.02	
			<i>For >100 To 500, Deduct</i>	-13.79	
			<i>For >500 To 1,000, Deduct</i>	-28.26	
			<i>For >1,000, Deduct</i>	-40.81	
21 13 13 00-0085	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	98.24	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.05	
			<i>For >100 To 500, Deduct</i>	-13.85	
			<i>For >500 To 1,000, Deduct</i>	-28.35	
			<i>For >1,000, Deduct</i>	-40.90	
21 13 13 00-0086	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	95.20	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.90	
			<i>For >100 To 500, Deduct</i>	-13.47	
			<i>For >500 To 1,000, Deduct</i>	-27.80	
			<i>For >1,000, Deduct</i>	-40.35	
21 13 13 00-0087	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	97.75	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.02	
			<i>For >100 To 500, Deduct</i>	-13.79	
			<i>For >500 To 1,000, Deduct</i>	-28.26	
			<i>For >1,000, Deduct</i>	-40.81	
21 13 13 00-0088	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	98.24	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.05	
			<i>For >100 To 500, Deduct</i>	-13.85	
			<i>For >500 To 1,000, Deduct</i>	-28.35	
			<i>For >1,000, Deduct</i>	-40.90	
21 13 13 00-0089	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	87.82	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.53	
			<i>For >100 To 500, Deduct</i>	-12.55	
			<i>For >500 To 1,000, Deduct</i>	-26.47	
			<i>For >1,000, Deduct</i>	-39.02	
21 13 13 00-0090	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	90.37	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.66	
			<i>For >100 To 500, Deduct</i>	-12.86	
			<i>For >500 To 1,000, Deduct</i>	-26.93	
			<i>For >1,000, Deduct</i>	-39.48	
21 13 13 00-0091	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	92.00	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.74	
			<i>For >100 To 500, Deduct</i>	-13.07	
			<i>For >500 To 1,000, Deduct</i>	-27.23	
			<i>For >1,000, Deduct</i>	-39.77	
21 13 13 00-0092	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	89.10	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.59	
			<i>For >100 To 500, Deduct</i>	-12.71	
			<i>For >500 To 1,000, Deduct</i>	-26.70	
			<i>For >1,000, Deduct</i>	-39.25	
21 13 13 00-0093	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	90.91	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.68	
			<i>For >100 To 500, Deduct</i>	-12.93	
			<i>For >500 To 1,000, Deduct</i>	-27.03	
			<i>For >1,000, Deduct</i>	-39.58	
21 13 13 00-0094	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	92.56	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.77	
			<i>For >100 To 500, Deduct</i>	-13.14	
			<i>For >500 To 1,000, Deduct</i>	-27.33	
			<i>For >1,000, Deduct</i>	-39.87	
21 13 13 00-0095	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	102.62	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.62	
			<i>For >100 To 500, Deduct</i>	-14.57	
			<i>For >500 To 1,000, Deduct</i>	-30.32	
			<i>For >1,000, Deduct</i>	-44.26	
21 13 13 00-0096	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	105.94	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.78	
			<i>For >100 To 500, Deduct</i>	-14.99	
			<i>For >500 To 1,000, Deduct</i>	-30.92	
			<i>For >1,000, Deduct</i>	-44.86	
21 13 13 00-0097	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	105.94	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.78	
			<i>For >100 To 500, Deduct</i>	-14.99	
			<i>For >500 To 1,000, Deduct</i>	-30.92	
			<i>For >1,000, Deduct</i>	-44.86	



Fire Suppression	21	
Water-Based Fire-Suppression Systems	21 10	12
Fire-Suppression Sprinkler Systems	21 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13	13 00-0098	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	96.96	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.99	
			<i>For >100 To 500, Deduct</i>	-13.69	
			<i>For >500 To 1,000, Deduct</i>	-28.12	
			<i>For >1,000, Deduct</i>	-40.67	
21 13	13 00-0099	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	100.30	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.15	
			<i>For >100 To 500, Deduct</i>	-14.11	
			<i>For >500 To 1,000, Deduct</i>	-28.72	
			<i>For >1,000, Deduct</i>	-41.27	
21 13	13 00-0100	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	105.31	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.40	
			<i>For >100 To 500, Deduct</i>	-14.73	
			<i>For >500 To 1,000, Deduct</i>	-29.62	
			<i>For >1,000, Deduct</i>	-42.17	
21 13	13 00-0101	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	110.79	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.68	
			<i>For >100 To 500, Deduct</i>	-15.42	
			<i>For >500 To 1,000, Deduct</i>	-30.61	
			<i>For >1,000, Deduct</i>	-43.16	
21 13	13 00-0102	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	105.31	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.40	
			<i>For >100 To 500, Deduct</i>	-14.73	
			<i>For >500 To 1,000, Deduct</i>	-29.62	
			<i>For >1,000, Deduct</i>	-42.17	
21 13	13 00-0103	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	110.79	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.68	
			<i>For >100 To 500, Deduct</i>	-15.42	
			<i>For >500 To 1,000, Deduct</i>	-30.61	
			<i>For >1,000, Deduct</i>	-43.16	
21 13	13 00-0104	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	92.64	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.77	
			<i>For >100 To 500, Deduct</i>	-13.15	
			<i>For >500 To 1,000, Deduct</i>	-27.34	
			<i>For >1,000, Deduct</i>	-39.89	
21 13	13 00-0105	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	95.51	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.91	
			<i>For >100 To 500, Deduct</i>	-13.51	
			<i>For >500 To 1,000, Deduct</i>	-27.86	
			<i>For >1,000, Deduct</i>	-40.41	
21 13	13 00-0106	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	97.02	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.99	
			<i>For >100 To 500, Deduct</i>	-13.70	
			<i>For >500 To 1,000, Deduct</i>	-28.13	
			<i>For >1,000, Deduct</i>	-40.68	
21 13	13 00-0107	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	101.42	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.56	
			<i>For >100 To 500, Deduct</i>	-14.42	
			<i>For >500 To 1,000, Deduct</i>	-30.11	
			<i>For >1,000, Deduct</i>	-44.05	
21 13	13 00-0108	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	104.26	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.70	
			<i>For >100 To 500, Deduct</i>	-14.78	
			<i>For >500 To 1,000, Deduct</i>	-30.62	
			<i>For >1,000, Deduct</i>	-44.56	
21 13	13 00-0109	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	107.01	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.84	
			<i>For >100 To 500, Deduct</i>	-15.12	
			<i>For >500 To 1,000, Deduct</i>	-31.11	
			<i>For >1,000, Deduct</i>	-45.05	
21 13	13 00-0110	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	94.26	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.85	
			<i>For >100 To 500, Deduct</i>	-13.35	
			<i>For >500 To 1,000, Deduct</i>	-27.63	
			<i>For >1,000, Deduct</i>	-40.18	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13	13 00-0111	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	97.08	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.99	
			<i>For >100 To 500, Deduct</i>	-13.70	
			<i>For >500 To 1,000, Deduct</i>	-28.14	
			<i>For >1,000, Deduct</i>	-40.69	
21 13	13 00-0112	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	98.61	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.07	
			<i>For >100 To 500, Deduct</i>	-13.89	
			<i>For >500 To 1,000, Deduct</i>	-28.42	
			<i>For >1,000, Deduct</i>	-40.96	
21 13	13 00-0113	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	102.62	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.62	
			<i>For >100 To 500, Deduct</i>	-14.57	
			<i>For >500 To 1,000, Deduct</i>	-30.32	
			<i>For >1,000, Deduct</i>	-44.26	
21 13	13 00-0114	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	105.58	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.76	
			<i>For >100 To 500, Deduct</i>	-14.94	
			<i>For >500 To 1,000, Deduct</i>	-30.86	
			<i>For >1,000, Deduct</i>	-44.80	
21 13	13 00-0115	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	108.44	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.91	
			<i>For >100 To 500, Deduct</i>	-15.30	
			<i>For >500 To 1,000, Deduct</i>	-31.37	
			<i>For >1,000, Deduct</i>	-45.31	
21 13	13 00-0116	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head.....	139.04	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-10.09	
			<i>For >100 To 500, Deduct</i>	-18.95	
			<i>For >500 To 1,000, Deduct</i>	-35.69	
			<i>For >1,000, Deduct</i>	-48.24	
21 13	13 00-0117	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	139.04	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-10.09	
			<i>For >100 To 500, Deduct</i>	-18.95	
			<i>For >500 To 1,000, Deduct</i>	-35.69	
			<i>For >1,000, Deduct</i>	-48.24	
21 13	13 00-0118	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	110.73	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-9.02	
			<i>For >100 To 500, Deduct</i>	-15.58	
			<i>For >500 To 1,000, Deduct</i>	-31.78	
			<i>For >1,000, Deduct</i>	-45.72	
21 13	13 00-0119	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	112.90	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-9.13	
			<i>For >100 To 500, Deduct</i>	-15.86	
			<i>For >500 To 1,000, Deduct</i>	-32.17	
			<i>For >1,000, Deduct</i>	-46.11	
21 13	13 00-0120	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	112.90	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-9.13	
			<i>For >100 To 500, Deduct</i>	-15.86	
			<i>For >500 To 1,000, Deduct</i>	-32.17	
			<i>For >1,000, Deduct</i>	-46.11	
21 13	13 00-0121	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	107.79	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.88	
			<i>For >100 To 500, Deduct</i>	-15.22	
			<i>For >500 To 1,000, Deduct</i>	-31.25	
			<i>For >1,000, Deduct</i>	-45.19	
21 13	13 00-0122	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	109.80	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.98	
			<i>For >100 To 500, Deduct</i>	-15.47	
			<i>For >500 To 1,000, Deduct</i>	-31.61	
			<i>For >1,000, Deduct</i>	-45.56	
21 13	13 00-0123	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	109.80	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.98	
			<i>For >100 To 500, Deduct</i>	-15.47	
			<i>For >500 To 1,000, Deduct</i>	-31.61	
			<i>For >1,000, Deduct</i>	-45.56	



		Fire Suppression	21
		Water-Based Fire-Suppression Systems	21 10
		Fire-Suppression Sprinkler Systems	21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0124	EA		1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	272.01	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-16.74	
			<i>For >100 To 500, Deduct</i>	-35.57	
			<i>For >500 To 1,000, Deduct</i>	-59.63	
			<i>For >1,000, Deduct</i>	-72.18	
21 13 13 00-0125	EA		3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	299.72	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-18.47	
			<i>For >100 To 500, Deduct</i>	-39.21	
			<i>For >500 To 1,000, Deduct</i>	-65.80	
			<i>For >1,000, Deduct</i>	-79.74	
21 13 13 00-0126	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	154.37	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-10.86	
			<i>For >100 To 500, Deduct</i>	-20.86	
			<i>For >500 To 1,000, Deduct</i>	-38.45	
			<i>For >1,000, Deduct</i>	-51.00	
21 13 13 00-0127	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	185.02	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-12.39	
			<i>For >100 To 500, Deduct</i>	-24.70	
			<i>For >500 To 1,000, Deduct</i>	-43.97	
			<i>For >1,000, Deduct</i>	-56.52	
21 13 13 00-0128	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	313.18	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-18.80	
			<i>For >100 To 500, Deduct</i>	-40.72	
			<i>For >500 To 1,000, Deduct</i>	-67.04	
			<i>For >1,000, Deduct</i>	-79.59	
21 13 13 00-0129	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	393.05	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-22.79	
			<i>For >100 To 500, Deduct</i>	-50.70	
			<i>For >500 To 1,000, Deduct</i>	-81.41	
			<i>For >1,000, Deduct</i>	-93.96	
21 13 13 00-0130	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	191.99	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-13.09	
			<i>For >100 To 500, Deduct</i>	-25.74	
			<i>For >500 To 1,000, Deduct</i>	-46.41	
			<i>For >1,000, Deduct</i>	-60.35	
21 13 13 00-0131	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	192.92	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-13.13	
			<i>For >100 To 500, Deduct</i>	-25.86	
			<i>For >500 To 1,000, Deduct</i>	-46.58	
			<i>For >1,000, Deduct</i>	-60.52	
21 13 13 00-0132			Sidewall Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
21 13 13 00-0133			Horizontal Sidewall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0132)</small>		
21 13 13 00-0134	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	91.64	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.72	
			<i>For >100 To 500, Deduct</i>	-13.02	
			<i>For >500 To 1,000, Deduct</i>	-27.16	
			<i>For >1,000, Deduct</i>	-39.71	
21 13 13 00-0135	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	93.68	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.82	
			<i>For >100 To 500, Deduct</i>	-13.28	
			<i>For >500 To 1,000, Deduct</i>	-27.53	
			<i>For >1,000, Deduct</i>	-40.08	
21 13 13 00-0136	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head.....	96.92	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.98	
			<i>For >100 To 500, Deduct</i>	-13.68	
			<i>For >500 To 1,000, Deduct</i>	-28.11	
			<i>For >1,000, Deduct</i>	-40.66	
21 13 13 00-0137	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	92.79	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.78	
			<i>For >100 To 500, Deduct</i>	-13.17	
			<i>For >500 To 1,000, Deduct</i>	-27.37	
			<i>For >1,000, Deduct</i>	-39.92	
21 13 13 00-0138	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	94.87	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.88	
			<i>For >100 To 500, Deduct</i>	-13.43	
			<i>For >500 To 1,000, Deduct</i>	-27.74	
			<i>For >1,000, Deduct</i>	-40.29	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0139	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	98.17	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.05	
			<i>For >100 To 500, Deduct</i>	-13.84	
			<i>For >500 To 1,000, Deduct</i>	-28.34	
			<i>For >1,000, Deduct</i>	-40.88	
21 13 13 00-0140	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	100.30	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.15	
			<i>For >100 To 500, Deduct</i>	-14.11	
			<i>For >500 To 1,000, Deduct</i>	-28.72	
			<i>For >1,000, Deduct</i>	-41.27	
21 13 13 00-0141	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	103.63	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.32	
			<i>For >100 To 500, Deduct</i>	-14.52	
			<i>For >500 To 1,000, Deduct</i>	-29.32	
			<i>For >1,000, Deduct</i>	-41.87	
21 13 13 00-0142	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	108.96	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.93	
			<i>For >100 To 500, Deduct</i>	-15.36	
			<i>For >500 To 1,000, Deduct</i>	-31.46	
			<i>For >1,000, Deduct</i>	-45.41	
21 13 13 00-0143	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	113.95	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-9.18	
			<i>For >100 To 500, Deduct</i>	-15.99	
			<i>For >500 To 1,000, Deduct</i>	-32.36	
			<i>For >1,000, Deduct</i>	-46.30	
21 13 13 00-0144	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	107.49	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.51	
			<i>For >100 To 500, Deduct</i>	-15.00	
			<i>For >500 To 1,000, Deduct</i>	-30.01	
			<i>For >1,000, Deduct</i>	-42.56	
21 13 13 00-0145	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	110.79	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.68	
			<i>For >100 To 500, Deduct</i>	-15.42	
			<i>For >500 To 1,000, Deduct</i>	-30.61	
			<i>For >1,000, Deduct</i>	-43.16	
21 13 13 00-0146	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	107.49	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.51	
			<i>For >100 To 500, Deduct</i>	-15.00	
			<i>For >500 To 1,000, Deduct</i>	-30.01	
			<i>For >1,000, Deduct</i>	-42.56	
21 13 13 00-0147	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	110.79	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.68	
			<i>For >100 To 500, Deduct</i>	-15.42	
			<i>For >500 To 1,000, Deduct</i>	-30.61	
			<i>For >1,000, Deduct</i>	-43.16	
21 13 13 00-0148	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	89.90	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.63	
			<i>For >100 To 500, Deduct</i>	-12.81	
			<i>For >500 To 1,000, Deduct</i>	-26.85	
			<i>For >1,000, Deduct</i>	-39.40	
21 13 13 00-0149	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	91.59	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.72	
			<i>For >100 To 500, Deduct</i>	-13.02	
			<i>For >500 To 1,000, Deduct</i>	-27.15	
			<i>For >1,000, Deduct</i>	-39.70	
21 13 13 00-0150	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	93.69	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.82	
			<i>For >100 To 500, Deduct</i>	-13.28	
			<i>For >500 To 1,000, Deduct</i>	-27.53	
			<i>For >1,000, Deduct</i>	-40.08	
21 13 13 00-0151	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	98.85	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.43	
			<i>For >100 To 500, Deduct</i>	-14.10	
			<i>For >500 To 1,000, Deduct</i>	-29.64	
			<i>For >1,000, Deduct</i>	-43.59	
21 13 13 00-0152	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	100.66	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.52	
			<i>For >100 To 500, Deduct</i>	-14.33	
			<i>For >500 To 1,000, Deduct</i>	-29.97	
			<i>For >1,000, Deduct</i>	-43.91	



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0153	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	102.62	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.62	
			<i>For >100 To 500, Deduct</i>	-14.57	
			<i>For >500 To 1,000, Deduct</i>	-30.32	
			<i>For >1,000, Deduct</i>	-44.26	
21 13 13 00-0154	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	100.28	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.50	
			<i>For >100 To 500, Deduct</i>	-14.28	
			<i>For >500 To 1,000, Deduct</i>	-29.90	
			<i>For >1,000, Deduct</i>	-43.84	
21 13 13 00-0155	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	102.17	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.59	
			<i>For >100 To 500, Deduct</i>	-14.51	
			<i>For >500 To 1,000, Deduct</i>	-30.24	
			<i>For >1,000, Deduct</i>	-44.18	
21 13 13 00-0156	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	104.20	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.70	
			<i>For >100 To 500, Deduct</i>	-14.77	
			<i>For >500 To 1,000, Deduct</i>	-30.61	
			<i>For >1,000, Deduct</i>	-44.55	
21 13 13 00-0157	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	104.23	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.70	
			<i>For >100 To 500, Deduct</i>	-14.77	
			<i>For >500 To 1,000, Deduct</i>	-30.61	
			<i>For >1,000, Deduct</i>	-44.55	
21 13 13 00-0158	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	107.01	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.84	
			<i>For >100 To 500, Deduct</i>	-15.12	
			<i>For >500 To 1,000, Deduct</i>	-31.11	
			<i>For >1,000, Deduct</i>	-45.05	
21 13 13 00-0159	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	107.01	17.42
			<i>For >25 To 50, Deduct</i>	-3.49	
			<i>For >50 To 100, Deduct</i>	-8.84	
			<i>For >100 To 500, Deduct</i>	-15.12	
			<i>For >500 To 1,000, Deduct</i>	-31.11	
			<i>For >1,000, Deduct</i>	-45.05	
21 13 13 00-0160	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	157.46	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-11.01	
			<i>For >100 To 500, Deduct</i>	-21.25	
			<i>For >500 To 1,000, Deduct</i>	-39.01	
			<i>For >1,000, Deduct</i>	-51.56	
21 13 13 00-0161	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head.....	157.46	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-11.01	
			<i>For >100 To 500, Deduct</i>	-21.25	
			<i>For >500 To 1,000, Deduct</i>	-39.01	
			<i>For >1,000, Deduct</i>	-51.56	
21 13 13 00-0162	EA		1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	90.60	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.67	
			<i>For >100 To 500, Deduct</i>	-12.89	
			<i>For >500 To 1,000, Deduct</i>	-26.97	
			<i>For >1,000, Deduct</i>	-39.52	
21 13 13 00-0163	EA		1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	90.60	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.67	
			<i>For >100 To 500, Deduct</i>	-12.89	
			<i>For >500 To 1,000, Deduct</i>	-26.97	
			<i>For >1,000, Deduct</i>	-39.52	
21 13 13 00-0164	EA		1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head.....	90.60	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.67	
			<i>For >100 To 500, Deduct</i>	-12.89	
			<i>For >500 To 1,000, Deduct</i>	-26.97	
			<i>For >1,000, Deduct</i>	-39.52	
21 13 13 00-0165			Vertical Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)		
21 13 13 00-0166	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head.....	94.29	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.85	
			<i>For >100 To 500, Deduct</i>	-13.35	
			<i>For >500 To 1,000, Deduct</i>	-27.64	
			<i>For >1,000, Deduct</i>	-40.19	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0167	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	96.84	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-7.98	
			<i>For >100 To 500, Deduct</i>	-13.67	
			<i>For >500 To 1,000, Deduct</i>	-28.10	
			<i>For >1,000, Deduct</i>	-40.65	
21 13 13 00-0168	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head.....	97.94	15.68
			<i>For >25 To 50, Deduct</i>	-3.14	
			<i>For >50 To 100, Deduct</i>	-8.03	
			<i>For >100 To 500, Deduct</i>	-13.81	
			<i>For >500 To 1,000, Deduct</i>	-28.30	
			<i>For >1,000, Deduct</i>	-40.84	
21 13 13 00-0169			Concealed Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
21 13 13 00-0170			Concealed Pendant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0169)</small>		
21 13 13 00-0171	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead	133.83	20.92
			Note: Excludes coverplate		
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-10.87	
			<i>For >100 To 500, Deduct</i>	-18.82	
			<i>For >500 To 1,000, Deduct</i>	-38.31	
			<i>For >1,000, Deduct</i>	-55.04	
21 13 13 00-0172	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	103.87	20.92
			Note: Excludes coverplate		
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-9.38	
			<i>For >100 To 500, Deduct</i>	-15.08	
			<i>For >500 To 1,000, Deduct</i>	-32.92	
			<i>For >1,000, Deduct</i>	-49.65	
21 13 13 00-0173	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head	104.97	20.92
			Note: Excludes coverplate		
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-9.43	
			<i>For >100 To 500, Deduct</i>	-15.21	
			<i>For >500 To 1,000, Deduct</i>	-33.12	
			<i>For >1,000, Deduct</i>	-49.85	
21 13 13 00-0174	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	126.80	22.66
			Note: Excludes coverplate		
			<i>For >25 To 50, Deduct</i>	-4.53	
			<i>For >50 To 100, Deduct</i>	-10.87	
			<i>For >100 To 500, Deduct</i>	-18.12	
			<i>For >500 To 1,000, Deduct</i>	-38.23	
			<i>For >1,000, Deduct</i>	-56.36	
21 13 13 00-0175	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	119.82	20.92
			Note: Excludes coverplate		
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-10.17	
			<i>For >100 To 500, Deduct</i>	-17.07	
			<i>For >500 To 1,000, Deduct</i>	-35.79	
			<i>For >1,000, Deduct</i>	-52.52	
21 13 13 00-0176	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	119.82	20.92
			Note: Excludes coverplate		
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-10.17	
			<i>For >100 To 500, Deduct</i>	-17.07	
			<i>For >500 To 1,000, Deduct</i>	-35.79	
			<i>For >1,000, Deduct</i>	-52.52	
21 13 13 00-0177	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	126.80	22.66
			Note: Excludes coverplate		
			<i>For >25 To 50, Deduct</i>	-4.53	
			<i>For >50 To 100, Deduct</i>	-10.87	
			<i>For >100 To 500, Deduct</i>	-18.12	
			<i>For >500 To 1,000, Deduct</i>	-38.23	
			<i>For >1,000, Deduct</i>	-56.36	
21 13 13 00-0178	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	112.81	20.92
			Note: Excludes coverplate		
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-9.82	
			<i>For >100 To 500, Deduct</i>	-16.19	
			<i>For >500 To 1,000, Deduct</i>	-34.53	
			<i>For >1,000, Deduct</i>	-51.26	
21 13 13 00-0179	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	119.82	20.92
			Note: Excludes coverplate		
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-10.17	
			<i>For >100 To 500, Deduct</i>	-17.07	
			<i>For >500 To 1,000, Deduct</i>	-35.79	
			<i>For >1,000, Deduct</i>	-52.52	
21 13 13 00-0180	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	119.82	20.92
			Note: Excludes coverplate		
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-10.17	
			<i>For >100 To 500, Deduct</i>	-17.07	
			<i>For >500 To 1,000, Deduct</i>	-35.79	
			<i>For >1,000, Deduct</i>	-52.52	



	Fire Suppression	21
	Water-Based Fire-Suppression Systems	21 10
	Fire-Suppression Sprinkler Systems	21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0181	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	114.47	20.92
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.18	
			For >50 To 100, Deduct	-9.91	
			For >100 To 500, Deduct	-16.40	
			For >500 To 1,000, Deduct	-34.83	
			For >1,000, Deduct	-51.56	
21 13 13 00-0182	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head.....	175.53	24.40
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.88	
			For >50 To 100, Deduct	-13.66	
			For >100 To 500, Deduct	-24.38	
			For >500 To 1,000, Deduct	-48.19	
			For >1,000, Deduct	-67.71	
21 13 13 00-0183	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	109.32	20.92
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.18	
			For >50 To 100, Deduct	-9.65	
			For >100 To 500, Deduct	-15.76	
			For >500 To 1,000, Deduct	-33.90	
			For >1,000, Deduct	-50.63	
21 13 13 00-0184	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	115.85	22.66
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.53	
			For >50 To 100, Deduct	-10.32	
			For >100 To 500, Deduct	-16.75	
			For >500 To 1,000, Deduct	-36.26	
			For >1,000, Deduct	-54.39	
21 13 13 00-0185	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	110.30	20.92
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.18	
			For >50 To 100, Deduct	-9.70	
			For >100 To 500, Deduct	-15.88	
			For >500 To 1,000, Deduct	-34.07	
			For >1,000, Deduct	-50.80	
21 13 13 00-0186	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	117.28	22.66
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.53	
			For >50 To 100, Deduct	-10.40	
			For >100 To 500, Deduct	-16.93	
			For >500 To 1,000, Deduct	-36.52	
			For >1,000, Deduct	-54.64	
21 13 13 00-0187	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	127.26	22.66
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.53	
			For >50 To 100, Deduct	-10.89	
			For >100 To 500, Deduct	-18.17	
			For >500 To 1,000, Deduct	-38.31	
			For >1,000, Deduct	-56.44	
21 13 13 00-0188	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate.....	198.25	24.40
			For >25 To 50, Deduct	-4.88	
			For >50 To 100, Deduct	-14.79	
			For >100 To 500, Deduct	-27.22	
			For >500 To 1,000, Deduct	-52.28	
			For >1,000, Deduct	-71.80	
21 13 13 00-0189	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate.....	198.25	24.40
			For >25 To 50, Deduct	-4.88	
			For >50 To 100, Deduct	-14.79	
			For >100 To 500, Deduct	-27.22	
			For >500 To 1,000, Deduct	-52.28	
			For >1,000, Deduct	-71.80	
21 13 13 00-0190			Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads (21 13 13 00-0189)		
21 13 13 00-0191	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	142.16	20.92
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.18	
			For >50 To 100, Deduct	-11.29	
			For >100 To 500, Deduct	-19.86	
			For >500 To 1,000, Deduct	-39.81	
			For >1,000, Deduct	-56.54	
21 13 13 00-0192	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	158.89	22.66
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.53	
			For >50 To 100, Deduct	-12.48	
			For >100 To 500, Deduct	-22.13	
			For >500 To 1,000, Deduct	-44.01	
			For >1,000, Deduct	-62.13	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0193	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....117.80	117.80	20.92
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.18	
			For >50 To 100, Deduct	-10.07	
			For >100 To 500, Deduct	-16.82	
			For >500 To 1,000, Deduct	-35.42	
			For >1,000, Deduct	-52.15	
21 13 13 00-0194	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....121.07	121.07	22.66
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.53	
			For >50 To 100, Deduct	-10.59	
			For >100 To 500, Deduct	-17.40	
			For >500 To 1,000, Deduct	-37.20	
			For >1,000, Deduct	-55.33	
21 13 13 00-0195			Institutional Tamper Resistant Wet Pipe Sprinkler Heads (21 13 13 00-0024)		
21 13 13 00-0196	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head .....296.32	296.32	17.42
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			For >25 To 50, Deduct	-3.49	
			For >50 To 100, Deduct	-18.30	
			For >100 To 500, Deduct	-38.78	
			For >500 To 1,000, Deduct	-65.19	
			For >1,000, Deduct	-79.13	
21 13 13 00-0197	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....289.77	289.77	17.42
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			For >25 To 50, Deduct	-3.49	
			For >50 To 100, Deduct	-17.97	
			For >100 To 500, Deduct	-37.96	
			For >500 To 1,000, Deduct	-64.01	
			For >1,000, Deduct	-77.95	
21 13 13 00-0198	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head .....139.00	139.00	17.42
			For >25 To 50, Deduct	-3.49	
			For >50 To 100, Deduct	-10.44	
			For >100 To 500, Deduct	-19.12	
			For >500 To 1,000, Deduct	-36.87	
			For >1,000, Deduct	-50.81	
21 13 13 00-0199	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....152.58	152.58	17.42
			For >25 To 50, Deduct	-3.49	
			For >50 To 100, Deduct	-11.11	
			For >100 To 500, Deduct	-20.82	
			For >500 To 1,000, Deduct	-39.32	
			For >1,000, Deduct	-53.26	
21 13 13 00-0200			Wet Pipe Sprinkler Head Accessories (21 13 13 00-0011)		
21 13 13 00-0201			Sprinkler Adjustable Steel Drop Nipple (21 13 13 00-0200)		
21 13 13 00-0202	EA		1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150) .....53.66	53.66	16.50
			For >25 To 50, Deduct	-1.38	
			For >50 To 100, Deduct	-4.06	
			For >100 To 500, Deduct	-7.40	
			For >500 To 1,000, Deduct	-14.34	
			For >1,000, Deduct	-19.84	
21 13 13 00-0203	EA		1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150) .....53.66	53.66	16.50
			For >25 To 50, Deduct	-1.38	
			For >50 To 100, Deduct	-4.06	
			For >100 To 500, Deduct	-7.40	
			For >500 To 1,000, Deduct	-14.34	
			For >1,000, Deduct	-19.84	
21 13 13 00-0204	EA		1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150) .....54.20	54.20	16.50
			For >25 To 50, Deduct	-1.38	
			For >50 To 100, Deduct	-4.09	
			For >100 To 500, Deduct	-7.46	
			For >500 To 1,000, Deduct	-14.43	
			For >1,000, Deduct	-19.94	
21 13 13 00-0205	EA		1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150) .....48.70	48.70	16.50
			For >25 To 50, Deduct	-1.38	
			For >50 To 100, Deduct	-3.81	
			For >100 To 500, Deduct	-6.78	
			For >500 To 1,000, Deduct	-13.44	
			For >1,000, Deduct	-18.95	



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0206	EA		1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150).....	48.70	16.50
			<i>For >25 To 50, Deduct</i>	-1.38	
			<i>For >50 To 100, Deduct</i>	-3.81	
			<i>For >100 To 500, Deduct</i>	-6.78	
			<i>For >500 To 1,000, Deduct</i>	-13.44	
			<i>For >1,000, Deduct</i>	-18.95	
21 13 13 00-0207	EA		1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150).....	48.70	16.50
			<i>For >25 To 50, Deduct</i>	-1.38	
			<i>For >50 To 100, Deduct</i>	-3.81	
			<i>For >100 To 500, Deduct</i>	-6.78	
			<i>For >500 To 1,000, Deduct</i>	-13.44	
			<i>For >1,000, Deduct</i>	-18.95	
21 13 13 00-0208	EA		1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175).....	54.17	17.95
			<i>For >25 To 50, Deduct</i>	-1.50	
			<i>For >50 To 100, Deduct</i>	-4.20	
			<i>For >100 To 500, Deduct</i>	-7.52	
			<i>For >500 To 1,000, Deduct</i>	-14.84	
			<i>For >1,000, Deduct</i>	-20.82	
21 13 13 00-0209			Sprinkler Head Escutcheon <small>(21 13 13 00-0209)</small>		
21 13 13 00-0210	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	21.17	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100 To 500, Deduct</i>	-2.91	
			<i>For >500 To 1,000, Deduct</i>	-5.59	
			<i>For >1,000, Deduct</i>	-7.68	
21 13 13 00-0211	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	15.76	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100 To 500, Deduct</i>	-2.23	
			<i>For >500 To 1,000, Deduct</i>	-4.61	
			<i>For >1,000, Deduct</i>	-6.70	
21 13 13 00-0212	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	15.76	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100 To 500, Deduct</i>	-2.23	
			<i>For >500 To 1,000, Deduct</i>	-4.61	
			<i>For >1,000, Deduct</i>	-6.70	
21 13 13 00-0213	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	21.17	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100 To 500, Deduct</i>	-2.91	
			<i>For >500 To 1,000, Deduct</i>	-5.59	
			<i>For >1,000, Deduct</i>	-7.68	
21 13 13 00-0214	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	15.76	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100 To 500, Deduct</i>	-2.23	
			<i>For >500 To 1,000, Deduct</i>	-4.61	
			<i>For >1,000, Deduct</i>	-6.70	
21 13 13 00-0215	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	15.76	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100 To 500, Deduct</i>	-2.23	
			<i>For >500 To 1,000, Deduct</i>	-4.61	
			<i>For >1,000, Deduct</i>	-6.70	
21 13 13 00-0216	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	20.19	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.53	
			<i>For >100 To 500, Deduct</i>	-2.79	
			<i>For >500 To 1,000, Deduct</i>	-5.41	
			<i>For >1,000, Deduct</i>	-7.50	
21 13 13 00-0217	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	15.76	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100 To 500, Deduct</i>	-2.23	
			<i>For >500 To 1,000, Deduct</i>	-4.61	
			<i>For >1,000, Deduct</i>	-6.70	
21 13 13 00-0218	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	15.76	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100 To 500, Deduct</i>	-2.23	
			<i>For >500 To 1,000, Deduct</i>	-4.61	
			<i>For >1,000, Deduct</i>	-6.70	
21 13 13 00-0219	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	20.19	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.53	
			<i>For >100 To 500, Deduct</i>	-2.79	
			<i>For >500 To 1,000, Deduct</i>	-5.41	
			<i>For >1,000, Deduct</i>	-7.50	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0220	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	15.76	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100 To 500, Deduct</i>	-2.23	
			<i>For >500 To 1,000, Deduct</i>	-4.61	
			<i>For >1,000, Deduct</i>	-6.70	
21 13 13 00-0221	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	15.76	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100 To 500, Deduct</i>	-2.23	
			<i>For >500 To 1,000, Deduct</i>	-4.61	
			<i>For >1,000, Deduct</i>	-6.70	
21 13 13 00-0222	EA		3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	20.68	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.56	
			<i>For >100 To 500, Deduct</i>	-2.85	
			<i>For >500 To 1,000, Deduct</i>	-5.50	
			<i>For >1,000, Deduct</i>	-7.59	
21 13 13 00-0223	EA		3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	20.68	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.56	
			<i>For >100 To 500, Deduct</i>	-2.85	
			<i>For >500 To 1,000, Deduct</i>	-5.50	
			<i>For >1,000, Deduct</i>	-7.59	
21 13 13 00-0224	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	9.14	4.60
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.81	
			<i>For >100 To 500, Deduct</i>	-1.32	
			<i>For >500 To 1,000, Deduct</i>	-2.83	
			<i>For >1,000, Deduct</i>	-4.22	
21 13 13 00-0225	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	8.46	4.60
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.77	
			<i>For >100 To 500, Deduct</i>	-1.23	
			<i>For >500 To 1,000, Deduct</i>	-2.71	
			<i>For >1,000, Deduct</i>	-4.10	
21 13 13 00-0226	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	8.64	4.60
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 500, Deduct</i>	-1.25	
			<i>For >500 To 1,000, Deduct</i>	-2.74	
			<i>For >1,000, Deduct</i>	-4.13	
21 13 13 00-0227	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	9.26	4.60
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.81	
			<i>For >100 To 500, Deduct</i>	-1.33	
			<i>For >500 To 1,000, Deduct</i>	-2.85	
			<i>For >1,000, Deduct</i>	-4.25	
21 13 13 00-0228	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	8.58	4.60
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 500, Deduct</i>	-1.25	
			<i>For >500 To 1,000, Deduct</i>	-2.73	
			<i>For >1,000, Deduct</i>	-4.12	
21 13 13 00-0229	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	8.58	4.60
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 500, Deduct</i>	-1.25	
			<i>For >500 To 1,000, Deduct</i>	-2.73	
			<i>For >1,000, Deduct</i>	-4.12	
21 13 13 00-0230	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon.....	9.97	4.60
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.85	
			<i>For >100 To 500, Deduct</i>	-1.42	
			<i>For >500 To 1,000, Deduct</i>	-2.98	
			<i>For >1,000, Deduct</i>	-4.37	
21 13 13 00-0231	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	8.56	4.60
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-2.73	
			<i>For >1,000, Deduct</i>	-4.12	
21 13 13 00-0232	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	8.56	4.60
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-2.73	
			<i>For >1,000, Deduct</i>	-4.12	
21 13 13 00-0233	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	13.54	6.44
			<i>For >25 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.17	
			<i>For >100 To 500, Deduct</i>	-1.94	
			<i>For >500 To 1,000, Deduct</i>	-4.10	
			<i>For >1,000, Deduct</i>	-6.05	



		Fire Suppression	21
		Water-Based Fire-Suppression Systems	21 10
		Fire-Suppression Sprinkler Systems	21 13

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0234	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	13.17	6.44
			<i>For >25 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.15	
			<i>For >100 To 500, Deduct</i>	-1.89	
			<i>For >500 To 1,000, Deduct</i>	-4.03	
			<i>For >1,000, Deduct</i>	-5.98	
21 13 13 00-0235	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon.....	13.29	6.44
			<i>For >25 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.15	
			<i>For >100 To 500, Deduct</i>	-1.91	
			<i>For >500 To 1,000, Deduct</i>	-4.05	
			<i>For >1,000, Deduct</i>	-6.00	
21 13 13 00-0236	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	13.66	6.44
			<i>For >25 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.17	
			<i>For >100 To 500, Deduct</i>	-1.95	
			<i>For >500 To 1,000, Deduct</i>	-4.12	
			<i>For >1,000, Deduct</i>	-6.07	
21 13 13 00-0237	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	13.29	6.44
			<i>For >25 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.15	
			<i>For >100 To 500, Deduct</i>	-1.91	
			<i>For >500 To 1,000, Deduct</i>	-4.05	
			<i>For >1,000, Deduct</i>	-6.00	
21 13 13 00-0238	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon.....	13.54	6.44
			<i>For >25 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.17	
			<i>For >100 To 500, Deduct</i>	-1.94	
			<i>For >500 To 1,000, Deduct</i>	-4.10	
			<i>For >1,000, Deduct</i>	-6.05	
21 13 13 00-0239	EA		Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	25.14	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.78	
			<i>For >100 To 500, Deduct</i>	-3.40	
			<i>For >500 To 1,000, Deduct</i>	-6.30	
			<i>For >1,000, Deduct</i>	-8.39	
21 13 13 00-0240	EA		Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	25.14	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.78	
			<i>For >100 To 500, Deduct</i>	-3.40	
			<i>For >500 To 1,000, Deduct</i>	-6.30	
			<i>For >1,000, Deduct</i>	-8.39	
21 13 13 00-0241	EA		Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	25.14	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.78	
			<i>For >100 To 500, Deduct</i>	-3.40	
			<i>For >500 To 1,000, Deduct</i>	-6.30	
			<i>For >1,000, Deduct</i>	-8.39	
21 13 13 00-0242	EA		Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	25.14	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.78	
			<i>For >100 To 500, Deduct</i>	-3.40	
			<i>For >500 To 1,000, Deduct</i>	-6.30	
			<i>For >1,000, Deduct</i>	-8.39	
21 13 13 00-0243	EA		Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head.....	25.14	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.78	
			<i>For >100 To 500, Deduct</i>	-3.40	
			<i>For >500 To 1,000, Deduct</i>	-6.30	
			<i>For >1,000, Deduct</i>	-8.39	
21 13 13 00-0244	EA		White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head.....	25.14	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.78	
			<i>For >100 To 500, Deduct</i>	-3.40	
			<i>For >500 To 1,000, Deduct</i>	-6.30	
			<i>For >1,000, Deduct</i>	-8.39	
21 13 13 00-0245	EA		2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	28.49	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.95	
			<i>For >100 To 500, Deduct</i>	-3.82	
			<i>For >500 To 1,000, Deduct</i>	-6.90	
			<i>For >1,000, Deduct</i>	-8.99	
21 13 13 00-0246	EA		2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	29.27	6.28
			<i>For >25 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.99	
			<i>For >100 To 500, Deduct</i>	-3.92	
			<i>For >500 To 1,000, Deduct</i>	-7.05	
			<i>For >1,000, Deduct</i>	-9.14	

21 13 13 00-0247 Coverplate For Sprinkler Heads (21 13 13 00-0200)

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0248	EA		Chrome Coverplate For Concealed Pendent Sprinkler Head.....	55.51	7.11
			<i>For>25 To 50, Deduct</i>	-0.59	
			<i>For>50 To 100, Deduct</i>	-3.37	
			<i>For>100 To 500, Deduct</i>	-7.24	
			<i>For>500 To 1,000, Deduct</i>	-12.01	
			<i>For>1,000, Deduct</i>	-14.38	
21 13 13 00-0249	EA		White Coverplate For Concealed Pendent Sprinkler Head.....	28.86	7.11
			<i>For>25 To 50, Deduct</i>	-0.59	
			<i>For>50 To 100, Deduct</i>	-2.04	
			<i>For>100 To 500, Deduct</i>	-3.90	
			<i>For>500 To 1,000, Deduct</i>	-7.21	
			<i>For>1,000, Deduct</i>	-9.58	
21 13 13 00-0250	EA		Specialty Coverplate For Concealed Pendent Sprinkler Head.....	40.42	7.11
			<i>For>25 To 50, Deduct</i>	-0.59	
			<i>For>50 To 100, Deduct</i>	-2.61	
			<i>For>100 To 500, Deduct</i>	-5.35	
			<i>For>500 To 1,000, Deduct</i>	-9.29	
			<i>For>1,000, Deduct</i>	-11.66	
21 13 13 00-0251	EA		Brass Coverplate For Concealed Sidewall Sprinkler Head.....	37.42	7.11
			<i>For>25 To 50, Deduct</i>	-0.59	
			<i>For>50 To 100, Deduct</i>	-2.46	
			<i>For>100 To 500, Deduct</i>	-4.97	
			<i>For>500 To 1,000, Deduct</i>	-8.75	
			<i>For>1,000, Deduct</i>	-11.12	
21 13 13 00-0252	EA		Chrome Coverplate For Concealed Sidewall Sprinkler Head.....	30.62	7.11
			<i>For>25 To 50, Deduct</i>	-0.59	
			<i>For>50 To 100, Deduct</i>	-2.12	
			<i>For>100 To 500, Deduct</i>	-4.12	
			<i>For>500 To 1,000, Deduct</i>	-7.53	
			<i>For>1,000, Deduct</i>	-9.90	
21 13 13 00-0253	EA		White Coverplate For Concealed Sidewall Sprinkler Head.....	30.62	7.11
			<i>For>25 To 50, Deduct</i>	-0.59	
			<i>For>50 To 100, Deduct</i>	-2.12	
			<i>For>100 To 500, Deduct</i>	-4.12	
			<i>For>500 To 1,000, Deduct</i>	-7.53	
			<i>For>1,000, Deduct</i>	-9.90	
21 13 13 00-0254	EA		Off-White Coverplate For Concealed Sidewall Sprinkler Head.....	37.42	7.11
			<i>For>25 To 50, Deduct</i>	-0.59	
			<i>For>50 To 100, Deduct</i>	-2.46	
			<i>For>100 To 500, Deduct</i>	-4.97	
			<i>For>500 To 1,000, Deduct</i>	-8.75	
			<i>For>1,000, Deduct</i>	-11.12	
21 13 13 00-0255	EA		Black Painted Coverplate For Concealed Sidewall Sprinkler Head.....	37.42	7.11
			<i>For>25 To 50, Deduct</i>	-0.59	
			<i>For>50 To 100, Deduct</i>	-2.46	
			<i>For>100 To 500, Deduct</i>	-4.97	
			<i>For>500 To 1,000, Deduct</i>	-8.75	
			<i>For>1,000, Deduct</i>	-11.12	
21 13 13 00-0256	EA		Black Plated Coverplate For Concealed Sidewall Sprinkler Head.....	42.81	7.11
			<i>For>25 To 50, Deduct</i>	-0.59	
			<i>For>50 To 100, Deduct</i>	-2.73	
			<i>For>100 To 500, Deduct</i>	-5.65	
			<i>For>500 To 1,000, Deduct</i>	-9.72	
			<i>For>1,000, Deduct</i>	-12.09	
21 13 13 00-0257	EA		Bright Brass Coverplate For Concealed Sidewall Sprinkler Head.....	42.81	7.11
			<i>For>25 To 50, Deduct</i>	-0.59	
			<i>For>50 To 100, Deduct</i>	-2.73	
			<i>For>100 To 500, Deduct</i>	-5.65	
			<i>For>500 To 1,000, Deduct</i>	-9.72	
			<i>For>1,000, Deduct</i>	-12.09	
21 13 13 00-0258	EA		Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head.....	42.81	7.11
			<i>For>25 To 50, Deduct</i>	-0.59	
			<i>For>50 To 100, Deduct</i>	-2.73	
			<i>For>100 To 500, Deduct</i>	-5.65	
			<i>For>500 To 1,000, Deduct</i>	-9.72	
			<i>For>1,000, Deduct</i>	-12.09	
21 13 13 00-0259	EA		Specialty Coverplate For Concealed Sidewall Sprinkler Head.....	37.45	7.11
			<i>For>25 To 50, Deduct</i>	-0.59	
			<i>For>50 To 100, Deduct</i>	-2.47	
			<i>For>100 To 500, Deduct</i>	-4.98	
			<i>For>500 To 1,000, Deduct</i>	-8.76	
			<i>For>1,000, Deduct</i>	-11.13	
21 13 13 00-0260	EA		White Coverplate For Quick Release Concealed Sidewall Sprinkler Head.....	61.96	8.37
			<i>For>25 To 50, Deduct</i>	-0.70	
			<i>For>50 To 100, Deduct</i>	-3.80	
			<i>For>100 To 500, Deduct</i>	-8.09	
			<i>For>500 To 1,000, Deduct</i>	-13.52	
			<i>For>1,000, Deduct</i>	-16.31	

21 13 13 00-0261 Sprinkler Escutcheon Extension Tube (21 13 13 00-0200)



		Fire Suppression	21
		Water-Based Fire-Suppression Systems	21 10
		Fire-Suppression Sprinkler Systems	21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0262	EA		2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	15.41	4.19
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.35	
			For >50 To 100, Deduct	-1.12	
			For >100 To 500, Deduct	-2.10	
			For >500 To 1,000, Deduct	-3.96	
			For >1,000, Deduct	-5.35	
21 13 13 00-0263	EA		2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	19.52	4.40
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.34	
			For >100 To 500, Deduct	-2.62	
			For >500 To 1,000, Deduct	-4.76	
			For >1,000, Deduct	-6.22	
21 13 13 00-0264	EA		2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	24.09	4.60
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-1.59	
			For >100 To 500, Deduct	-3.20	
			For >500 To 1,000, Deduct	-5.64	
			For >1,000, Deduct	-7.17	
21 13 13 00-0265	EA		2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	28.19	4.81
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.40	
			For >50 To 100, Deduct	-1.81	
			For >100 To 500, Deduct	-3.72	
			For >500 To 1,000, Deduct	-6.44	
			For >1,000, Deduct	-8.04	
21 13 13 00-0266			Sprinkler Head Guards <small>(21 13 13 00-0200)</small>		
21 13 13 00-0267	EA		Universal Sprinkler Head Guard, C-1.....	26.29	12.55
			For >25 To 50, Deduct	-1.05	
			For >50 To 100, Deduct	-2.36	
			For >100 To 500, Deduct	-3.81	
			For >500 To 1,000, Deduct	-8.29	
			For >1,000, Deduct	-12.47	
21 13 13 00-0268	EA		Dry Pendent Sprinkler Head Guard, C-2.....	28.37	12.55
			For >25 To 50, Deduct	-1.05	
			For >50 To 100, Deduct	-2.46	
			For >100 To 500, Deduct	-4.07	
			For >500 To 1,000, Deduct	-8.66	
			For >1,000, Deduct	-12.85	
21 13 13 00-0269	EA		Upright Sprinkler Head Guard With Water Shield, C-3.....	31.92	12.55
			For >25 To 50, Deduct	-1.05	
			For >50 To 100, Deduct	-2.64	
			For >100 To 500, Deduct	-4.51	
			For >500 To 1,000, Deduct	-9.30	
			For >1,000, Deduct	-13.49	
21 13 13 00-0270	EA		Pendent Sprinkler Head Guard With Water Shield, C-5.....	36.30	12.55
			For >25 To 50, Deduct	-1.05	
			For >50 To 100, Deduct	-2.86	
			For >100 To 500, Deduct	-5.06	
			For >500 To 1,000, Deduct	-10.09	
			For >1,000, Deduct	-14.27	
21 13 13 00-0271	EA		Universal Sprinkler Head Guard, D-1.....	28.29	12.55
			For >25 To 50, Deduct	-1.05	
			For >50 To 100, Deduct	-2.46	
			For >100 To 500, Deduct	-4.06	
			For >500 To 1,000, Deduct	-8.65	
			For >1,000, Deduct	-12.83	
21 13 13 00-0272	EA		Upright Sprinkler Head Guard With Water Shield, D-3.....	29.64	12.55
			For >25 To 50, Deduct	-1.05	
			For >50 To 100, Deduct	-2.53	
			For >100 To 500, Deduct	-4.23	
			For >500 To 1,000, Deduct	-8.89	
			For >1,000, Deduct	-13.08	
21 13 13 00-0273	EA		Pendent Sprinkler Head Guard With Large Water Shield, D-4.....	39.68	12.55
			For >25 To 50, Deduct	-1.05	
			For >50 To 100, Deduct	-3.03	
			For >100 To 500, Deduct	-5.48	
			For >500 To 1,000, Deduct	-10.70	
			For >1,000, Deduct	-14.88	
21 13 13 00-0274	EA		Pendent Sprinkler Head Guard With Small Water Shield, D-5.....	37.67	12.55
			For >25 To 50, Deduct	-1.05	
			For >50 To 100, Deduct	-2.93	
			For >100 To 500, Deduct	-5.23	
			For >500 To 1,000, Deduct	-10.34	
			For >1,000, Deduct	-14.52	

21 13 13 00-0275 Flexible Sprinkler Piping (21 13 13 00-0011)
 Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0276	EA		2' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	83.59	21.61
			<i>For >25 To 50, Deduct</i>	-2.18	
			<i>For >50 To 100, Deduct</i>	-6.36	
			<i>For >100 To 500, Deduct</i>	-11.54	
			<i>For >500 To 1,000, Deduct</i>	-22.45	
			<i>For >1,000, Deduct</i>	-31.17	
21 13 13 00-0277	EA		3' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	91.99	22.30
			<i>For >25 To 50, Deduct</i>	-2.29	
			<i>For >50 To 100, Deduct</i>	-6.89	
			<i>For >100 To 500, Deduct</i>	-12.65	
			<i>For >500 To 1,000, Deduct</i>	-24.36	
			<i>For >1,000, Deduct</i>	-33.53	
21 13 13 00-0278	EA		4' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	100.59	23.70
			<i>For >25 To 50, Deduct</i>	-2.42	
			<i>For >50 To 100, Deduct</i>	-7.45	
			<i>For >100 To 500, Deduct</i>	-13.78	
			<i>For >500 To 1,000, Deduct</i>	-26.34	
			<i>For >1,000, Deduct</i>	-36.02	
21 13 13 00-0279	EA		5' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	109.54	25.10
			<i>For >25 To 50, Deduct</i>	-2.56	
			<i>For >50 To 100, Deduct</i>	-8.04	
			<i>For >100 To 500, Deduct</i>	-14.97	
			<i>For >500 To 1,000, Deduct</i>	-28.43	
			<i>For >1,000, Deduct</i>	-38.68	
21 13 13 00-0280	EA		6' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	118.83	27.89
			<i>For >25 To 50, Deduct</i>	-2.72	
			<i>For >50 To 100, Deduct</i>	-8.67	
			<i>For >100 To 500, Deduct</i>	-16.22	
			<i>For >500 To 1,000, Deduct</i>	-30.65	
			<i>For >1,000, Deduct</i>	-41.54	
21 13 13 00-0281			Sprinkler Emergency Cabinets <small>(21 13 00-0011)</small>		
21 13 13 00-0282	EA		3 Capacity Emergency Sprinkler Cabinet, A4	117.03	
21 13 13 00-0283	EA		6 Capacity Emergency Sprinkler Cabinet, A4	124.00	
21 13 13 00-0284	EA		12 Capacity Emergency Sprinkler Cabinet, A4	127.17	
21 13 13 00-0285	EA		12 Capacity Emergency Sprinkler Cabinet, A3	360.53	
21 13 13 00-0286	EA		Sprinkler Wrench, RC1	156.51	
21 13 13 00-0287	EA		Sprinkler Wrench, FC	155.90	
21 13 13 00-0288	EA		Sprinkler Wrench, W2	51.76	
21 13 16			Dry-Pipe Sprinkler Systems <small>(21 13)</small>		
21 13 16 00-0001			Complete Dry Pipe Sprinkler Systems <small>(21 13 16)</small> Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1367 for individual grooved pipe, 23 21 13 23-1440 for individual grooved pipe fittings.		
21 13 16 00-0002			Light Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small>		
21 13 16 00-0003	EA		Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head..... Note: Includes branch pipe and fittings, supports and sprinkler heads.	625.06	
			<i>For Up To 5, Add</i>	289.18	
			<i>For >5 To 10, Add</i>	160.38	
			<i>For >10 To 20, Add</i>	121.23	
			<i>For >20 To 40, Add</i>	50.83	
			<i>For >100 To 150, Deduct</i>	-62.51	
			<i>For >150, Deduct</i>	-125.01	
			<i>For Copper Pipe, Add</i>	74.18	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-105.44	
21 13 16 00-0004	EA		Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head..... Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	785.54	
			<i>For Up To 5, Add</i>	367.32	
			<i>For >5 To 10, Add</i>	211.32	
			<i>For >10 To 20, Add</i>	158.21	
			<i>For >20 To 40, Add</i>	65.83	
			<i>For >100 To 150, Deduct</i>	-78.55	
			<i>For >150, Deduct</i>	-157.11	
			<i>For Copper Pipe, Add</i>	91.28	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-130.56	
21 13 16 00-0005			Ordinary Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small>		



Fire Suppression	21	
Water-Based Fire-Suppression Systems	21 10	12
Fire-Suppression Sprinkler Systems	21 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0006	EA		Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head.....	633.86	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Up To 5, Add	292.21	
			For >5 To 10, Add	160.04	
			For >10 To 20, Add	121.38	
			For >20 To 40, Add	51.02	
			For >100 To 150, Deduct	-63.39	
			For >150, Deduct	-126.77	
			For Copper Pipe, Add	75.75	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-107.44	
21 13 16 00-0007	EA		Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head.....	790.42	
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Up To 5, Add	368.63	
			For >5 To 10, Add	210.21	
			For >10 To 20, Add	157.74	
			For >20 To 40, Add	65.75	
			For >100 To 150, Deduct	-79.04	
			For >150, Deduct	-158.08	
			For Copper Pipe, Add	92.33	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-131.85	
21 13 16 00-0008			Extra Hazard, Dry-Pipe Sprinkler Systems (21 13 16 00-0001)		
21 13 16 00-0009	EA		Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head	594.53	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Up To 5, Add	273.84	
			For >5 To 10, Add	149.52	
			For >10 To 20, Add	113.50	
			For >20 To 40, Add	47.74	
			For >100 To 150, Deduct	-59.45	
			For >150, Deduct	-118.91	
			For Copper Pipe, Add	71.17	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-100.89	
21 13 16 00-0010	EA		Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head	735.83	
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Up To 5, Add	343.20	
			For >5 To 10, Add	195.75	
			For >10 To 20, Add	146.89	
			For >20 To 40, Add	61.23	
			For >100 To 150, Deduct	-73.58	
			For >150, Deduct	-147.17	
			For Copper Pipe, Add	85.94	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-122.73	
21 13 16 00-0011			Dry-Pipe Sprinkler System Equipment (21 13 16 00-0001)		
21 13 16 00-0012	EA		Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	2,626.34	401.80
21 13 16 00-0013	EA		Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	2,735.16	401.80
21 13 16 00-0014	EA		Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	2,826.99	401.80
21 13 16 00-0015	EA		Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	3,184.07	401.80
21 13 16 00-0016			Dry Pipe Sprinkler System Components (21 13 16)		
			Note: Excludes hydraulic calculations.		
21 13 16 00-0017			Dry Pipe Valves (21 13 16 00-0016)		
			Note: Excludes trim package See CSI section 21 13 16 00-0022 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA		2-1/2" Dry Pipe Valve.....	3,394.29	164.48
21 13 16 00-0019	EA		3" Dry Pipe Valve.....	3,781.59	188.40
21 13 16 00-0020	EA		4" Dry Pipe Valve.....	4,269.21	320.00
21 13 16 00-0021	EA		6" Dry Pipe Valve.....	5,412.98	403.73
21 13 16 00-0022			Dry Pipe Valve Trim (21 13 16 00-0016)		
			Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0023	EA		2-1/2" Dry Pipe Valve Trim.....	1,754.42	348.11
21 13 16 00-0024	EA		3" Dry Pipe Valve Trim.....	1,754.42	348.11
21 13 16 00-0025	EA		4" Dry Pipe Valve Trim.....	2,055.49	477.29
21 13 16 00-0026	EA		6" Dry Pipe Valve Trim.....	2,366.51	663.91
21 13 16 00-0027			Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)		
21 13 16 00-0028	EA		3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	225.87	27.61
			For >25 To 50, Deduct	-4.18	
			For >50 To 100, Deduct	-15.48	
			For >100 To 500, Deduct	-30.33	
			For >500 To 1,000, Deduct	-54.88	
			For >1,000, Deduct	-71.61	
21 13 16 00-0029	EA		6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	234.06	27.61
			For >25 To 50, Deduct	-4.18	
			For >50 To 100, Deduct	-15.89	
			For >100 To 500, Deduct	-31.35	
			For >500 To 1,000, Deduct	-56.35	
			For >1,000, Deduct	-73.08	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0030	EA		9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	242.26	27.61
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-16.30	
			<i>For >100 To 500, Deduct</i>	-32.37	
			<i>For >500 To 1,000, Deduct</i>	-57.83	
			<i>For >1,000, Deduct</i>	-74.56	
21 13 16 00-0031	EA		12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	250.47	27.61
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-16.71	
			<i>For >100 To 500, Deduct</i>	-33.40	
			<i>For >500 To 1,000, Deduct</i>	-59.31	
			<i>For >1,000, Deduct</i>	-76.04	
21 13 16 00-0032	EA		15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	258.67	27.61
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-17.12	
			<i>For >100 To 500, Deduct</i>	-34.43	
			<i>For >500 To 1,000, Deduct</i>	-60.78	
			<i>For >1,000, Deduct</i>	-77.51	
21 13 16 00-0033	EA		18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	266.87	27.61
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-17.53	
			<i>For >100 To 500, Deduct</i>	-35.45	
			<i>For >500 To 1,000, Deduct</i>	-62.26	
			<i>For >1,000, Deduct</i>	-78.99	
21 13 16 00-0034	EA		21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	275.06	27.61
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-17.94	
			<i>For >100 To 500, Deduct</i>	-36.47	
			<i>For >500 To 1,000, Deduct</i>	-63.73	
			<i>For >1,000, Deduct</i>	-80.46	
21 13 16 00-0035	EA		24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	283.28	27.61
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-18.35	
			<i>For >100 To 500, Deduct</i>	-37.50	
			<i>For >500 To 1,000, Deduct</i>	-65.21	
			<i>For >1,000, Deduct</i>	-81.94	
21 13 16 00-0036	EA		27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	291.46	27.61
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-18.76	
			<i>For >100 To 500, Deduct</i>	-38.52	
			<i>For >500 To 1,000, Deduct</i>	-66.68	
			<i>For >1,000, Deduct</i>	-83.41	
21 13 16 00-0037	EA		30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	299.66	27.61
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-19.17	
			<i>For >100 To 500, Deduct</i>	-39.55	
			<i>For >500 To 1,000, Deduct</i>	-68.16	
			<i>For >1,000, Deduct</i>	-84.89	
21 13 16 00-0038	EA		33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	307.87	27.61
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-19.58	
			<i>For >100 To 500, Deduct</i>	-40.58	
			<i>For >500 To 1,000, Deduct</i>	-69.64	
			<i>For >1,000, Deduct</i>	-86.37	
21 13 16 00-0039	EA		36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	316.07	27.61
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-19.99	
			<i>For >100 To 500, Deduct</i>	-41.60	
			<i>For >500 To 1,000, Deduct</i>	-71.11	
			<i>For >1,000, Deduct</i>	-87.84	
21 13 16 00-0040	EA		39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	324.29	27.61
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-20.40	
			<i>For >100 To 500, Deduct</i>	-42.63	
			<i>For >500 To 1,000, Deduct</i>	-72.59	
			<i>For >1,000, Deduct</i>	-89.32	
21 13 16 00-0041	EA		42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	332.47	27.61
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-20.81	
			<i>For >100 To 500, Deduct</i>	-43.65	
			<i>For >500 To 1,000, Deduct</i>	-74.07	
			<i>For >1,000, Deduct</i>	-90.80	
21 13 16 00-0042	EA		45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	340.68	27.61
			<i>For >25 To 50, Deduct</i>	-4.18	
			<i>For >50 To 100, Deduct</i>	-21.22	
			<i>For >100 To 500, Deduct</i>	-44.68	
			<i>For >500 To 1,000, Deduct</i>	-75.54	
			<i>For >1,000, Deduct</i>	-92.27	

21 13 16 00-0043 Sidewall Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0044 EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	223.89	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-15.38	
For >100 To 500, Deduct	-30.08	
For >500 To 1,000, Deduct	-54.52	
For >1,000, Deduct	-71.25	
21 13 16 00-0045 EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	232.10	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-15.79	
For >100 To 500, Deduct	-31.10	
For >500 To 1,000, Deduct	-56.00	
For >1,000, Deduct	-72.73	
21 13 16 00-0046 EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	240.32	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-16.20	
For >100 To 500, Deduct	-32.13	
For >500 To 1,000, Deduct	-57.48	
For >1,000, Deduct	-74.21	
21 13 16 00-0047 EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	248.49	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-16.61	
For >100 To 500, Deduct	-33.15	
For >500 To 1,000, Deduct	-58.95	
For >1,000, Deduct	-75.68	
21 13 16 00-0048 EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	256.70	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-17.02	
For >100 To 500, Deduct	-34.18	
For >500 To 1,000, Deduct	-60.43	
For >1,000, Deduct	-77.16	
21 13 16 00-0049 EA 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	264.89	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-17.43	
For >100 To 500, Deduct	-35.20	
For >500 To 1,000, Deduct	-61.90	
For >1,000, Deduct	-78.63	
21 13 16 00-0050 EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	273.11	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-17.84	
For >100 To 500, Deduct	-36.23	
For >500 To 1,000, Deduct	-63.38	
For >1,000, Deduct	-80.11	
21 13 16 00-0051 EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	281.31	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-18.25	
For >100 To 500, Deduct	-37.26	
For >500 To 1,000, Deduct	-64.86	
For >1,000, Deduct	-81.59	
21 13 16 00-0052 EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	289.49	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-18.66	
For >100 To 500, Deduct	-38.28	
For >500 To 1,000, Deduct	-66.33	
For >1,000, Deduct	-83.06	
21 13 16 00-0053 EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	297.69	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-19.07	
For >100 To 500, Deduct	-39.30	
For >500 To 1,000, Deduct	-67.80	
For >1,000, Deduct	-84.53	
21 13 16 00-0054 EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	305.90	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-19.48	
For >100 To 500, Deduct	-40.33	
For >500 To 1,000, Deduct	-69.28	
For >1,000, Deduct	-86.01	
21 13 16 00-0055 EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	314.10	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-19.89	
For >100 To 500, Deduct	-41.35	
For >500 To 1,000, Deduct	-70.76	
For >1,000, Deduct	-87.49	
21 13 16 00-0056 EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	338.71	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-21.12	
For >100 To 500, Deduct	-44.43	
For >500 To 1,000, Deduct	-75.19	
For >1,000, Deduct	-91.92	
21 13 16 00-0057 EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	346.91	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-21.53	
For >100 To 500, Deduct	-45.46	
For >500 To 1,000, Deduct	-76.66	
For >1,000, Deduct	-93.39	

21	21	Fire Suppression
	21 10	Water-Based Fire-Suppression Systems
	21 13	Fire-Suppression Sprinkler Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0058 EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	350.18	27.61
For >25 To 50, Deduct	-4.18	
For >50 To 100, Deduct	-21.69	
For >100 To 500, Deduct	-45.86	
For >500 To 1,000, Deduct	-77.25	
For >1,000, Deduct	-93.98	
21 13 19 Preaction Sprinkler Systems (21 13)		
21 13 19 00-0001 Complete Preaction Sprinkler Systems (21 13 19)		
Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. See CSI section 23 21 13 23-1367 for individual grooved pipe, 23 21 13 23-1440 for individual grooved pipe fittings.		
21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler Systems (21 13 19 00-0001)		
21 13 19 00-0003 EA Exposed Piping, Ordinary Hazard, Preaction Sprinkler System, Per Head.....	599.39	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	278.42	
For >5 To 10, Add	177.87	
For >10 To 20, Add	117.93	
For >20 To 40, Add	49.30	
For >100 To 150, Deduct	-59.94	
For >150, Deduct	-119.88	
21 13 19 00-0004 Extra Hazard, Preaction Sprinkler Systems (21 13 19 00-0001)		
21 13 19 00-0005 EA Exposed Piping, Extra Hazard, Preaction Sprinkler System, Per Head.....	558.09	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	259.26	
For >5 To 10, Add	165.66	
For >10 To 20, Add	109.85	
For >20 To 40, Add	45.92	
For >100 To 150, Deduct	-55.81	
For >150, Deduct	-111.62	
21 13 26 Deluge Fire-Suppression Sprinkler Systems (21 13)		
21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment (21 13 26)		
See CSI section 23 21 13 23-0000 for pipe and fittings.		
21 13 26 00-0002 Deluge Valves With Required Trim And Release Equipment (21 13 26 00-0001)		
21 13 26 00-0003 EA 3" Deluge Valve With Trim And Release Equipment.....	6,482.50	774.64
21 13 26 00-0004 EA 4" Deluge Valve With Trim And Release Equipment.....	7,422.33	871.40
21 13 26 00-0005 EA 6" Deluge Valve With Trim And Release Equipment.....	9,323.86	1,267.52
21 13 39 Foam-Water Systems (21 13)		
21 13 39 00-0001 Foam Control Valves And Monitors (21 13 39)		
21 13 39 00-0002 Control Valves (21 13 39 00-0001)		
21 13 39 00-0003 EA 3" Foam Control Valve.....	3,339.13	774.64
21 13 39 00-0004 Supply Valves (21 13 39 00-0001)		
21 13 39 00-0005 EA 2-1/2" Foam Supply Valve.....	3,135.00	871.40
21 13 39 00-0006 Proportioners (21 13 39 00-0001)		
21 13 39 00-0007 EA 8" Foam Proportioner.....	2,980.07	1,267.52
21 13 39 00-0008 Monitors (21 13 39 00-0001)		
21 13 39 00-0009 EA Oscillating Foam Monitor.....	3,014.54	174.28
21 13 41 Fire-Suppression Sprinkler Piping (21 13)		
See CSI section 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0769 for flanged black steel pipe fittings, 23 21 13 23-1367 for grooved pipe, 23 21 13 23-1440 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.		
21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41)		
Note: SDR 13.5		
21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41)		
21 13 41 00-0003 LF 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	7.03	2.23
21 13 41 00-0004 LF 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	8.24	2.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0005 LF 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	10.07	2.65
21 13 41 00-0006 LF 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	12.13	2.93
21 13 41 00-0007 LF 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	15.24	3.21
21 13 41 00-0008 LF 2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	20.35	3.62
21 13 41 00-0009 LF 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	27.85	4.33
21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0011 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	35.36	13.38
21 13 41 00-0012 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	46.09	16.73
21 13 41 00-0013 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	57.65	20.92
21 13 41 00-0014 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	65.39	23.15
21 13 41 00-0015 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	73.90	25.94
21 13 41 00-0016 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	91.31	29.42
21 13 41 00-0017 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	111.08	34.86
21 13 41 00-0018 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0019 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	36.03	13.38
21 13 41 00-0020 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	45.02	16.73
21 13 41 00-0021 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	56.84	20.92
21 13 41 00-0022 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	64.10	23.15
21 13 41 00-0023 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	72.28	25.94
21 13 41 00-0024 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	87.24	29.42
21 13 41 00-0025 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	106.60	34.86
21 13 41 00-0026 Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0027 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	52.76	20.08
21 13 41 00-0028 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	68.10	25.23
21 13 41 00-0029 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	86.28	31.51
21 13 41 00-0030 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	98.26	34.86
21 13 41 00-0031 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	113.73	38.76
21 13 41 00-0032 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	137.54	44.20
21 13 41 00-0033 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	162.51	52.14
21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0035 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	63.02	23.56
21 13 41 00-0036 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	81.28	29.42
21 13 41 00-0037 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	90.77	32.49
21 13 41 00-0038 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	105.96	36.25
21 13 41 00-0039 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	124.12	41.27
21 13 41 00-0040 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	146.19	48.66
21 13 41 00-0041 Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0042 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	70.99	26.77
21 13 41 00-0043 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	89.01	33.60
21 13 41 00-0044 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	111.90	41.96
21 13 41 00-0045 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	125.62	46.43
21 13 41 00-0046 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	145.25	51.73
21 13 41 00-0047 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	181.81	58.83
21 13 41 00-0048 Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0049 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	24.12	8.92
21 13 41 00-0050 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	32.35	11.99
21 13 41 00-0051 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	42.78	15.75
21 13 41 00-0052 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	48.44	17.42
21 13 41 00-0053 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	55.22	19.38
21 13 41 00-0054 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	65.46	22.03
21 13 41 00-0055 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	78.62	26.08
21 13 41 00-0056 Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0057 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	12.25	4.46
21 13 41 00-0058 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	19.55	7.25
21 13 41 00-0059 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	22.17	7.81
21 13 41 00-0060 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	25.21	8.64
21 13 41 00-0061 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	29.48	9.76
21 13 41 00-0062 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	35.14	11.02
21 13 41 00-0063 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	44.84	13.11

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0064		Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0065	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	34.46	13.25
21 13 41 00-0066	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	45.53	17.28
21 13 41 00-0067	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	50.34	19.10
21 13 41 00-0068	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	57.07	21.33
21 13 41 00-0069	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	67.09	24.26
21 13 41 00-0070	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	81.30	28.72
21 13 41 00-0071		Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	29.28	9.76
21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	38.06	13.25
21 13 41 00-0074		Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	29.28	9.76
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	38.06	13.25
21 13 41 00-0077		Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	34.52	11.99
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	43.97	15.06
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	45.32	15.06
21 13 41 00-0081		Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	56.89	20.08
21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	70.27	25.23
21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	90.70	31.51
21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	102.94	34.86
21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	119.42	38.76
21 20 Fire-Extinguishing Systems <small>(21)</small>				
21 21 Carbon-Dioxide Fire-Extinguishing Systems <small>(21 20)</small>				
21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment <small>(21 21)</small>				
21 21 16 00-0001		Carbon Dioxide Cylinders <small>(21 21 16)</small>		
21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 LB	2,493.04	298.08
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each).....	4,986.08	596.14
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	388.54	156.98
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	169.57	54.47
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing	45.46	22.09
21 22 Clean-Agent Fire-Extinguishing Systems <small>(21 20)</small>				
21 22 16 Clean-Agent Fire-Extinguishing Equipment <small>(21 22)</small>				
21 22 16 00-0001		Ansul Fire Control Systems <small>(21 22 16)</small>		
21 22 16 00-0002		Sapphire® Fire Suppression Systems <small>(21 22 16 00-0001)</small> Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.		
21 22 16 00-0003		Cylinders, Sapphire® Fire Suppression Systems <small>(21 22 16 00-0002)</small>		
21 22 16 00-0004	EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,541.68	101.62
21 22 16 00-0005	EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636)..... Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.	1,750.35	101.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0006 EA 80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,777.78	101.62
Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0007 EA 140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	2,518.92	135.49
Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0008 EA 280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	2,656.86	135.49
Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0009 EA 390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	2,852.77	169.36
Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0010 EA 450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	3,020.96	169.36
Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0011 EA 850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	4,529.50	203.23
Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0012 LB Sapphire Agent, Fire Protection Fluid, Factory Filled (Novec 1230)	37.27	203.23
Note: Add to empty tank cost.		
21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0014 EA 1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515).....	151.35	16.94
21 22 16 00-0015 EA 3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516).....	154.90	16.94
21 22 16 00-0016 EA 1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517).....	163.81	16.94
21 22 16 00-0017 EA 1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	170.04	16.94
21 22 16 00-0018 EA 1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	178.94	16.94
21 22 16 00-0019 EA 2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520).....	205.63	16.94
21 22 16 00-0020 EA 1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602).....	151.35	16.94
21 22 16 00-0021 EA 3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603).....	154.90	16.94
21 22 16 00-0022 EA 1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604).....	163.81	16.94
21 22 16 00-0023 EA 1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	170.04	16.94
21 22 16 00-0024 EA 1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	178.94	16.94
21 22 16 00-0025 EA 2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607).....	205.63	16.94
21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0002)		
21 22 16 00-0027 EA 7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	15.65	5.08
21 22 16 00-0028 EA 7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	17.18	5.08
21 22 16 00-0029 EA 1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	26.21	11.86
21 22 16 00-0030 EA 16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	54.52	15.18
21 22 16 00-0031 EA 32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	76.61	15.18
21 22 16 00-0032 EA 42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815).....	90.70	15.18
21 22 16 00-0033 EA 24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	49.43	15.18
21 22 16 00-0034 EA Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	360.85	135.49
21 22 16 00-0035 EA Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	331.37	101.62
21 22 16 00-0036 EA Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	691.91	135.49
21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0038 EA Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	55.24	16.94
21 22 16 00-0039 EA Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	59.25	16.94
21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0041 EA Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	169.26	50.81
21 22 16 00-0042 EA Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	177.26	50.81
21 22 16 00-0043 EA Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	187.50	50.81
21 22 16 00-0044 Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0045 EA 1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	399.29	53.92
21 22 16 00-0046 EA 2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568).....	567.38	92.53
21 22 16 00-0047 Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0048 EA 1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	138.04	33.88
21 22 16 00-0049 EA 2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	465.55	33.88
21 22 16 00-0050 EA 3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	395.23	33.88
21 22 16 00-0051 EA 3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,719.77	135.49
21 22 16 00-0052 Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0053 EA 1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	52.22	23.71
21 22 16 00-0054 EA 2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	85.49	23.71
21 22 16 00-0055 EA 3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471).....	220.77	16.94
21 22 16 00-0056 EA 3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	288.24	16.94
21 22 16 00-0057 Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0058 EA Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	194.67	67.74
21 22 16 00-0059 EA Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	173.49	28.45
21 22 16 00-0060 EA Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250).....	551.25	118.55

21	21 Fire Suppression
	21 20 Fire-Extinguishing Systems
	21 22 Clean-Agent Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0061	Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0062 EA Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	579.59	23.71
21 22 16 00-0063 EA Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278).....	606.30	23.71
21 22 16 00-0064 EA Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	654.19	33.88
21 22 16 00-0065	Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0066 EA Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342).....	54.88	20.33
21 22 16 00-0067 EA Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	67.79	23.71
21 22 16 00-0068 EA Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579).....	239.00	101.62
21 22 16 00-0069 EA 1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576).....	269.53	101.62
21 22 16 00-0070 EA 2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	294.89	101.62
21 22 16 00-0071 EA 3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	376.77	101.62
21 22 16 00-0072	Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0073 EA O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559).....	66.99	27.10
21 22 16 00-0074 EA Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553).....	94.84	16.94
21 22 16 00-0075 EA Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053).....	134.05	33.88
21 22 16 00-0076 EA Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543).....	379.55	135.49
21 22 16 00-0077 EA Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551).....	535.28	135.49
21 22 16 00-0078 EA 1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535).....	1,627.21	135.49
21 22 16 00-0079	Inergen® Fire Suppression System (21 22 16 00-0001)	
21 22 16 00-0080	Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)	
21 22 16 00-0081 EA Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	185.51	33.56
21 22 16 00-0082 EA Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	214.18	36.07
21 22 16 00-0083 EA Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	383.35	65.28
21 22 16 00-0084 EA Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	780.73	148.68
21 22 16 00-0085	Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)	
21 22 16 00-0086 EA 2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794).....	1,748.52	196.23
21 22 16 00-0087	Components, Inergen® Fire Suppression System (21 22 16 00-0079)	
21 22 16 00-0088 EA 1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378).....	55.29	10.29
21 22 16 00-0089 EA Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700).....	644.15	110.26
21 22 16 00-0090 EA 30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	2,006.19	344.98
21 22 16 00-0091 EA 60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	1,924.80	351.45
21 22 16 00-0092	Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)	
Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093 EA 200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147).....	1,688.69	315.73
21 22 16 00-0094 EA 250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148).....	1,915.48	357.72
21 22 16 00-0095 EA 350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620).....	2,713.68	463.55
21 22 16 00-0096 EA 435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150).....	2,743.30	566.46
21 22 16 00-0097 EA 250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257).....	1,997.42	398.85
21 22 16 00-0098 EA 350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621).....	2,796.23	504.85
21 22 16 00-0099 EA 435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259).....	2,935.51	608.70
21 22 16 00-0100	Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)	
21 22 16 00-0101 EA CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657).....	63.55	11.48
21 22 16 00-0102 EA CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181).....	63.55	11.48
21 22 16 00-0103 EA CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954).....	76.03	12.75
21 22 16 00-0104 EA Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923).....	1,211.23	219.09
21 22 16 00-0105	Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)	
21 22 16 00-0106 EA 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	20.21	3.36
Note: For single row 435 cubic foot cylinders.		
21 22 16 00-0107 EA 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	28.70	4.79
Note: For double row 435 cubic foot cylinders.		
21 22 16 00-0108	Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)	
21 22 16 00-0109 EA Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265).....	22.29	3.75
21 22 16 00-0110 EA Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	20.76	3.75
21 22 16 00-0111	Nozzle Deflector Shields, Inergen® Fire Suppression System (21 22 16 00-0079)	
21 22 16 00-0112 EA 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708).....	90.19	16.17



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0113	EA		3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711).....	94.71	16.93
21 22 16 00-0114	EA		1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	109.87	19.55
21 22 16 00-0115	EA		1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	122.67	22.09
21 22 16 00-0116	EA		1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	140.71	25.39
21 22 16 00-0117			Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0118	EA		1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908).....	138.32	25.02
21 22 16 00-0119	EA		3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723).....	143.40	25.76
21 22 16 00-0120	EA		1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362).....	132.28	23.85
21 22 16 00-0121	EA		3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363).....	136.28	25.76
21 22 16 00-0122	EA		1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364).....	157.24	28.34
21 22 16 00-0123	EA		1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365).....	168.04	30.18
21 22 16 00-0124	EA		1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366).....	180.99	32.38
21 22 16 00-0125	EA		2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155).....	311.82	56.67
21 22 16 00-0126	EA		2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	412.23	74.34
21 22 16 00-0127	EA		3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137).....	449.57	81.70
21 22 16 00-0128	EA		1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138).....	161.18	29.42
21 22 16 00-0129	EA		3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139).....	190.02	34.45
21 22 16 00-0130	EA		1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140).....	156.34	28.34
21 22 16 00-0131	EA		3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141).....	166.86	30.03
21 22 16 00-0132	EA		1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142).....	168.36	30.18
21 22 16 00-0133	EA		1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	203.24	36.66
21 22 16 00-0134	EA		1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	219.19	39.74
21 22 16 00-0135	EA		2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144).....	336.45	60.99
21 22 16 00-0136	EA		2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	392.99	71.40
21 22 16 00-0137	EA		3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146).....	430.58	78.02
21 22 16 00-0138			Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0139	EA		1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	180.99	32.38
21 22 16 00-0140	EA		3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678).....	222.22	40.33
21 22 16 00-0141	EA		1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679).....	239.04	43.43
21 22 16 00-0142	EA		1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680).....	336.45	60.99
21 22 16 00-0143	EA		1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681).....	367.73	66.83
21 22 16 00-0144	EA		2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682).....	432.08	78.02
21 22 16 00-0145	EA		2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	502.45	91.48
21 22 16 00-0146	EA		3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	594.18	108.20
21 22 16 00-0147	EA		2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	755.33	213.45
21 22 16 00-0148	EA		3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	963.73	250.26
21 22 16 00-0149	EA		4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,267.94	419.54
21 22 16 00-0150	EA		2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847).....	738.41	213.45
21 22 16 00-0151	EA		3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848).....	817.89	149.08
21 22 16 00-0152	EA		4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849).....	1,267.94	419.54
21 22 16 00-0153	EA		2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853).....	752.65	213.45
21 22 16 00-0154	EA		3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	850.07	154.93
21 22 16 00-0155	EA		4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855).....	1,246.58	419.54
21 22 16 00-0156			Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0157	EA		3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344).....	855.52	162.67
21 22 16 00-0158			Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0159	EA		12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,395.85	252.36
21 22 16 00-0160	EA		24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,973.75	336.27
21 22 16 00-0161	EA		120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	2,084.23	342.07
21 22 16 00-0162	EA		Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310).....	98.30	17.39
21 22 16 00-0163	EA		LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373).....	118.79	23.04
21 22 16 00-0164	EA		Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	1,114.56	180.04
21 22 16 00-0165			Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0166	EA		1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095).....	120.38	17.09
21 22 16 00-0167	EA		3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096).....	126.23	18.00
21 22 16 00-0168	EA		1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	132.19	18.30
21 22 16 00-0169	EA		1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098).....	141.43	18.92
21 22 16 00-0170	EA		1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099).....	147.79	20.75
21 22 16 00-0171	EA		2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100).....	149.40	22.43
21 22 16 00-0172	EA		2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984).....	334.04	60.11
21 22 16 00-0173	EA		3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985).....	337.07	60.73
21 22 16 00-0174	EA		4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986).....	432.08	77.81
21 22 16 00-0175			Single Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0176	EA		Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704).....	157.24	28.34

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0177 EA Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705).....	230.56	64.77
Note: Includes saddle, padding and fasteners.		
21 22 16 00-0178 Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0179 EA 2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856)	391.32	41.88
Note: Includes gasket and fasteners.		
21 22 16 00-0180 EA 3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857)	344.88	62.53
Note: Includes gasket and fasteners.		
21 22 16 00-0181 EA 4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858)	774.96	419.54
Note: Includes gasket and fasteners.		
21 22 16 00-0182 EA 2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859)	216.18	39.12
Note: Includes gasket and fasteners.		
21 22 16 00-0183 EA 3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860).....	253.75	45.63
Note: Includes gasket and fasteners.		
21 22 16 00-0184 EA 4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861).....	770.47	419.54
Note: Includes gasket and fasteners.		
21 22 16 00-0185 EA 2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862)	225.21	40.96
Note: Includes gasket and fasteners.		
21 22 16 00-0186 EA 3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863)	263.70	47.74
Note: Includes gasket and fasteners.		
21 22 16 00-0187 EA 4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864)	792.71	419.54
Note: Includes gasket and fasteners.		
21 22 16 00-0188 EA 2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828)	41.28	3.11
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0189 EA 3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829)	41.89	3.42
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0190 EA 4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830)	45.35	4.05
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0191 Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0192 EA Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508).....	27.57	4.98
21 22 16 00-0193 EA Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	225.01	37.84
21 22 16 00-0194 EA 85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592)	173.42	37.84
Note: Includes upright, left, right and center.		
21 22 16 00-0195 Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0001)</small>		
21 22 16 00-0196 Accessory Switches, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0197 EA Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	178.05	32.65
21 22 16 00-0198 EA Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494).....	202.43	37.23
21 22 16 00-0199 EA Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497).....	257.45	47.30
21 22 16 00-0200 EA Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	277.31	50.96
21 22 16 00-0201 EA Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	347.41	64.09
21 22 16 00-0202 EA Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498).....	369.66	68.05
21 22 16 00-0203 EA Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956).....	709.00	131.21
21 22 16 00-0204 EA Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	56.62	9.77
21 22 16 00-0205 Alarm Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0206 EA Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	154.30	28.38
21 22 16 00-0207 EA Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	226.18	41.50
21 22 16 00-0208 EA Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702).....	20.63	3.78
21 22 16 00-0209 Annunciators, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0210 EA 80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492).....	1,779.13	329.25
21 22 16 00-0211 EA 16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,491.35	275.85
21 22 16 00-0212 EA 16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	1,157.75	214.21
21 22 16 00-0213 EA 32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	1,008.27	186.44
21 22 16 00-0214 EA Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	1,008.27	186.44



Fire Suppression	21	12
Fire-Extinguishing Systems	21 20	
Clean-Agent Fire-Extinguishing Systems	21 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0215 EA Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502).....	807.63	149.21
21 22 16 00-0216 EA Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650).....	1,491.35	275.85
21 22 16 00-0217 EA 24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651).....	303.18	55.84
21 22 16 00-0218 EA 48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652).....	380.19	70.18
21 22 16 00-0219 EA 8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653).....	762.51	140.97
21 22 16 00-0220 EA Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660).....	128.73	23.64
21 22 16 00-0221 EA Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576)..... Note: For up to 4 LDM modules.	175.37	32.65
21 22 16 00-0222 EA Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657).....	303.19	55.84
21 22 16 00-0223 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0224 EA CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586).....	236.85	45.47
21 22 16 00-0225 EA REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639).....	14.83	3.11
21 22 16 00-0226 EA REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640).....	93.08	3.78
21 22 16 00-0227 EA REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765).....	16.28	3.78
21 22 16 00-0228 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0229 EA Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564).....	527.02	101.92
21 22 16 00-0230 EA Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566).....	315.72	60.73
21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0232 EA 7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692).....	229.32	39.06
21 22 16 00-0233 EA 12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693).....	480.16	82.69
21 22 16 00-0234 EA 18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694).....	542.08	93.68
21 22 16 00-0235 EA 25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695).....	703.52	114.12
21 22 16 00-0236 EA 55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997).....	1,142.63	198.04
21 22 16 00-0237 EA BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578).....	172.03	31.43
21 22 16 00-0238 EA BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079)..... Note: Holds six XP5 modules or 25AH battery pack.	307.70	56.75
21 22 16 00-0239 EA BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410)..... Note: For mounting in BB-55 battery box.	625.95	115.65
21 22 16 00-0240 EA Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207)..... Note: For mounting in BB-55 battery box.	1,820.13	336.88
21 22 16 00-0241 EA 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563).....	1,331.02	246.25
21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0243 EA Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097).....	140.33	26.09
21 22 16 00-0244 EA Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098).....	132.02	25.94
21 22 16 00-0245 EA Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480).....	180.17	37.23
21 22 16 00-0246 EA 2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100).....	263.49	48.52
21 22 16 00-0247 EA NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101).....	205.84	39.36
21 22 16 00-0248 EA Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102).....	193.87	37.84
21 22 16 00-0249 EA Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487).....	30.89	6.04
21 22 16 00-0250 EA Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224Bl, Autopulse® Fire Detection And Control Equipment (Ansul 426125).....	113.43	21.36
21 22 16 00-0251 EA Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066).....	113.08	20.75
21 22 16 00-0252 EA HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067).....	46.00	17.09
21 22 16 00-0253 EA Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138)..... Note: Converts BX501 to low profile base.	10.39	1.89
21 22 16 00-0254 EA Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945).....	108.86	19.98

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0255 EA EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	63.82	11.78
21 22 16 00-0256 EA XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	172.29	31.13
21 22 16 00-0257 EA BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	90.22	16.47
21 22 16 00-0258 Manual Pull Stations, Autopulse® Fire Detection And Control Equipment ^(21 22 16 00-0195)		
21 22 16 00-0259 EA Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	25.78	4.43
21 22 16 00-0260 EA Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	15.81	2.44
21 22 16 00-0261 Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment ^(21 22 16 00-0195)		
21 22 16 00-0262 EA Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470)	226.18	41.50
Note: Includes municipal box and remote station connection.		
21 22 16 00-0263 EA Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	676.95	119.31
21 22 16 00-0264 EA Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,299.75	240.45
21 22 16 00-0265 EA Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	34.56	6.23
21 22 16 00-0266 Vesda® Aspirating Smoke Detection System ^(21 22 16 00-0001)		
21 22 16 00-0267 Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System ^(21 22 16 00-0266)		
21 22 16 00-0268 EA Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	174.25	29.30
21 22 16 00-0269 EA Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	368.63	44.16
21 22 16 00-0270 EA 120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	973.74	170.88
21 22 16 00-0271 EA 220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	973.74	170.88
21 22 16 00-0272 EA 120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376)	1,462.79	256.32
Note: Includes housing and battery cab.		
21 22 16 00-0273 EA 220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377)	1,462.79	256.32
Note: Includes housing and battery cab.		
21 22 16 00-0274 EA 48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	2,109.19	326.50
21 22 16 00-0275 Blank Plates, Vesda® Aspirating Smoke Detection System ^(21 22 16 00-0266)		
21 22 16 00-0276 EA Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	31.39	5.49
21 22 16 00-0277 EA Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	45.73	5.49
21 22 16 00-0278 EA Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	67.76	10.38
21 22 16 00-0279 EA Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	102.89	11.60
21 22 16 00-0280 EA Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	134.37	23.19
21 22 16 00-0281 EA Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	241.00	29.30
21 22 16 00-0282 Detectors, Vesda® Aspirating Smoke Detection System ^(21 22 16 00-0266)		
21 22 16 00-0283 EA LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350)	7,437.01	1,434.17
Note: Includes 3 blank plates.		
21 22 16 00-0284 EA LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354)	9,454.08	1,769.83
Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285 EA LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356)	8,558.42	1,617.25
Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286 EA 7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	11,835.08	2,136.00
21 22 16 00-0287 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	12,465.68	2,258.06
21 22 16 00-0288 EA 7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359)	11,969.37	2,166.51
Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360)	12,641.39	2,288.57
Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290 EA 7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361)	13,017.76	2,380.12
Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291 EA 12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363)	13,593.47	2,502.18
Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292 EA 7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365)	14,284.61	2,624.23
Note: Includes centrally mounted programmer module.		
21 22 16 00-0293 EA 12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367)	14,900.37	2,746.29
Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0294 EA 12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369)	13,957.76	2,502.18
Note: Includes centrally mounted LCD programmer.		



Fire Suppression	21	
Fire-Extinguishing Systems	21 20	12
Clean-Agent Fire-Extinguishing Systems	21 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0295 Displays, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0296 EA VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381).....	2,203.96	335.66
Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0297 EA VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385).....	2,213.76	335.66
Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0298 EA VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383).....	1,996.64	305.14
Note: Includes a remote termination card without relays.		
21 22 16 00-0299 EA VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387).....	2,008.02	305.14
Note: Includes a remote termination card.		
21 22 16 00-0300 EA VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389).....	2,475.63	366.18
Note: Includes a remote termination card and 12 relays.		
21 22 16 00-0301 EA VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	2,107.39	317.35
21 22 16 00-0302 EA VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393).....	2,312.10	356.41
21 22 16 00-0303 Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0304 EA LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370).....	5,637.25	1,006.98
21 22 16 00-0305 EA LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372).....	4,628.84	805.58
21 22 16 00-0306 EA Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380).....	1,648.46	305.14
21 22 16 00-0307 EA VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395).....	1,174.28	198.34
21 22 16 00-0308 EA System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399).....	1,630.79	267.30
21 22 16 00-0309 EA PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442).....	2,463.14	329.56
Note: Interface connects PC and LaserPLUS system.		
21 22 16 00-0310 EA Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443).....	307.03	49.43
21 22 16 00-0311 EA Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444).....	2,038.27	305.14
21 22 16 00-0312 EA Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460).....	1,476.50	253.27
21 22 16 00-0313 EA VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463).....	1,157.49	195.29
21 22 16 00-0314 EA Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461).....	1,478.63	253.27
21 22 16 00-0315 EA Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464).....	1,476.50	253.27
21 22 16 00-0316 EA Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487).....	1,452.68	238.02
21 22 16 00-0317 EA Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466).....	171.60	21.36
21 22 16 00-0318 EA Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467).....	7,031.61	1,171.75
21 22 16 00-0319 EA Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470).....	12,257.77	2,050.56
21 22 16 00-0320 EA Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475).....	953.39	152.57
21 22 16 00-0321 EA Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477).....	21.46	3.05
21 22 16 00-0322 EA Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478).....	11.46	0.61
21 22 16 00-0323 EA US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481).....	527.82	88.49
21 22 16 00-0324 EA Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483).....	639.58	107.41
21 22 16 00-0325 EA Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486).....	923.60	155.63
21 22 16 00-0326 EA RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488).....	136.24	23.19
21 22 16 00-0327 EA Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	22.02	4.88
21 22 16 00-0328 Labels And Decals, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0329 EA Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509).....	19.55	3.66
21 22 16 00-0330 EA Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505).....	20.79	4.27
21 22 16 00-0331 EA Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506).....	31.39	5.49
21 22 16 00-0332 EA Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507).....	31.44	5.49
21 22 16 00-0333 EA Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508).....	114.43	20.75
21 22 16 00-0334 Mounting Hardware, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0335 EA Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456).....	278.31	43.94
21 22 16 00-0336 EA Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472).....	374.61	58.58
21 22 16 00-0337 EA Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471).....	385.71	64.09
21 22 16 00-0338 EA Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457).....	900.18	91.54
21 22 16 00-0339 EA Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445).....	1,364.24	201.40
21 22 16 00-0340 Pipe And Fittings, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0341 LF 3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491).....	6.89	2.23
21 22 16 00-0342 EA 3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497).....	12.26	4.46

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0343 EA 3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	34.54	13.38
21 22 16 00-0344 EA 3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	35.35	13.38
21 22 16 00-0345 EA 3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	24.13	8.92
21 22 16 00-0346 EA 3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	38.14	13.38
21 22 16 00-0347 EA 3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	52.71	20.08
21 22 16 00-0348 EA 3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	64.69	23.56
21 22 16 00-0349 LF 1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500).....	5.92	2.21
21 22 16 00-0350 EA Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	22.22	6.71
21 22 16 00-0351 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	25.15	4.88
21 22 16 00-0352 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	35.90	6.71
21 22 16 00-0353 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0354 EA VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396)	1,595.22	234.35
Note: Remote box includes 7 relays for VLP/VLC.		
21 22 16 00-0355 EA VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490).....	1,644.42	269.75
21 22 16 00-0356 EA 12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	996.25	164.78
21 22 16 00-0357 EA RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,137.07	186.14
21 22 16 00-0358 EA VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397)	1,595.22	234.35
Note: Remote box includes 7 relays for VLS.		
21 22 16 00-0359 EA VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398)	1,917.21	269.75
Note: Remote box includes 12 relays for VLS.		
21 22 16 00-0360 EA Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	547.71	83.00
21 22 16 00-0361 EA Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469).....	825.07	126.94
21 22 16 00-0362 EA 7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474).....	1,567.84	262.43
21 22 16 00-0363 EA 12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,299.75	384.48
21 22 16 00-0364 Preferred® Low Pressure CO2 System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0365 Manual Pull Stations, Preferred® Low Pressure CO2 System <small>(21 22 16 00-0364)</small>		
21 22 16 00-0366 EA Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658)	124.51	21.36
Note: Excludes FMM-101.		
21 22 16 00-0367 EA Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659).....	93.07	15.87
21 22 16 00-0368 Industrial Fire Control System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0369 Alarm Devices, Industrial Fire Control System <small>(21 22 16 00-0368)</small>		
21 22 16 00-0370 EA Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	3,041.07	562.99
21 22 16 00-0371 EA 6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751).....	90.46	12.93
21 22 16 00-0372 EA 24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	91.73	16.79
21 22 16 00-0373 EA Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	54.68	10.07
21 22 16 00-0374 EA Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	22.33	4.09
21 22 16 00-0375 Manual Pull Stations, Industrial Fire Control System <small>(21 22 16 00-0368)</small>		
21 22 16 00-0376 EA SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655).....	102.92	17.70
21 22 16 00-0377 EA DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656).....	145.14	25.02
21 22 16 00-0378 EA Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657).....	1,133.87	196.51
21 22 16 00-0379 EA Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660).....	32.94	5.67
21 22 16 00-0380 EA Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654).....	14.76	2.53
21 22 16 00-0381 Marine Fire Control System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0382 Alarm Devices, Marine Fire Control System <small>(21 22 16 00-0381)</small>		
21 22 16 00-0383 EA Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	59.68	10.25
21 22 16 00-0384 EA 6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	110.54	19.83
21 22 16 00-0385 EA 10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	110.54	19.83
21 22 16 00-0386 FM200 System Equipment <small>(21 22 16)</small>		
21 22 16 00-0387 EA 26 LB Cylinder, Filled, For FM200 Fire Protection system	3,556.33	147.21
21 22 16 00-0388 EA 44 LB Cylinder, Filled, For FM200 Fire Protection system	5,081.67	168.55
21 22 16 00-0389 EA 63 LB Cylinder, Filled, For FM200 Fire Protection system	6,031.63	198.73
21 22 16 00-0390 EA 101 LB Cylinder, Filled, For FM200 Fire Protection system.....	7,983.31	235.53
21 22 16 00-0391 EA 196 LB Cylinder, Filled, For FM200 Fire Protection system.....	12,450.33	294.42



Fire Suppression	21	12
Fire-Extinguishing Systems	21 20	
Clean-Agent Fire-Extinguishing Systems	21 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0392 EA Electro/Mechanical Release, For FM200 Fire Protection system.....	885.37	294.42
21 22 16 00-0393 EA Manual Pull Station, For FM200 Fire Protection system.....	306.96	97.89
21 22 16 00-0394 EA Pneumatic Damper Release, For FM200 Fire Protection system.....	357.26	73.60
21 22 16 00-0395 LB FM200 Gas.....	28.14	
21 22 16 00-0396 EA Master Cylinder, For FM200 Fire Protection system.....	5,741.02	79.20
21 22 16 00-0397 EA Shuttle Check Valve, For FM200 Fire Protection system.....	862.94	110.70
21 22 16 00-0398 EA Flex Head Cylinder, For FM200 Fire Protection system.....	863.22	118.65
21 22 16 00-0399 EA Nozzles, For FM200 Fire Protection system.....	219.84	41.96
21 22 16 00-0400 EA Cylinder Support, For FM200 Fire Protection system.....	269.19	79.20
21 22 16 00-0401 EA Solenoid Valve, For FM200 Fire Protection system.....	1,104.83	118.65
21 22 16 00-0402 EA Battery Back-Up, For FM200 Fire Protection system.....	918.97	312.96
21 22 16 00-0403 EA Control Panel, Single Zone, For FM200 Fire Protection system.....	4,388.27	587.95
21 22 16 00-0404 EA Control Panel, Multi Zone, For FM200 Fire Protection system.....	7,198.01	1,177.22
21 22 16 00-0405 EA Smoke Or Heat Detector, For FM200 Fire Protection system.....	380.37	118.65
21 22 16 00-0406 EA Annunciator, For FM200 Fire Protection system.....	3,541.94	445.60
21 22 16 00-0407 EA Pressure Switch, For FM200 Fire Protection system.....	408.87	118.65
21 22 16 00-0408 EA Alarm Horn, For FM200 Fire Protection system.....	377.62	118.65
21 22 16 00-0409 EA Testing, For FM200 Fire Protection system.....	1,645.44	
21 22 16 00-0410 EA Abort Switch, For FM200 Fire Protection system.....	250.60	55.20

21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)

21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)

21 23 16 00-0001 Kidde Fire Systems (21 23 16)
Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware (21 23 16 00-0001)

21 23 16 00-0003 EA 125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent.....	1,032.53	121.94
21 23 16 00-0004 EA 260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent.....	1,190.27	151.88
21 23 16 00-0005 EA 400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent.....	1,458.97	187.38
21 23 16 00-0006 EA 600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	1,723.20	222.33
21 23 16 00-0007 EA Discharge Adapter Kit (One Required Per Cylinder).....	57.72	6.37
21 23 16 00-0008 EA System Valve Actuator.....	208.17	25.34
21 23 16 00-0009 EA Vent Plug.....	39.17	5.15
21 23 16 00-0010 EA Gauge Shield.....	96.87	13.55
21 23 16 00-0011 EA 125 Cylinder Wall Mounting Bracket.....	107.44	13.55
21 23 16 00-0012 EA 260 Cylinder Wall Mounting Bracket.....	113.89	14.36
21 23 16 00-0013 EA 400S And M Cylinder Wall Mounting Bracket.....	216.41	27.10
21 23 16 00-0014 EA 600 And 400M Cylinder Shelf Bracket.....	214.08	30.76
21 23 16 00-0015 EA 600 And 400M Cylinder Floor Mounting Kit.....	282.92	30.83
21 23 16 00-0016 EA 125 And 260 Cylinder Replacement Bracket Strap.....	39.46	
21 23 16 00-0017 EA 400 And 600 Cylinder Replacement Bracket Strap.....	41.46	

21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)

21 23 16 00-0019 EA ADP, F, GRW Or R Nozzle.....	96.43	12.46
21 23 16 00-0020 EA LPF Or DM Nozzle.....	104.46	12.46
21 23 16 00-0021 EA LPR Nozzle.....	121.01	12.46
21 23 16 00-0022 EA 3/8" Swivel Adapter For Nozzles.....	72.18	8.81
21 23 16 00-0023 EA Removal And Replacement Of Nozzle Seals.....	11.39	
21 23 16 00-0024 EA Chrome Nozzle Disc Cap.....	7.01	0.81
21 23 16 00-0025 EA LPR Nozzle Disc Cap.....	40.74	12.40

21 23 16 00-0026 Control Systems (21 23 16 00-0001)

21 23 16 00-0027 EA XV Control System.....	1,181.22	81.29
Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.		
21 23 16 00-0028 EA 7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	102.85	13.55
21 23 16 00-0029 EA 24" High Pressure Hose.....	120.79	13.55
21 23 16 00-0030 EA 60" High Pressure Hose.....	160.66	13.55
21 23 16 00-0031 EA XV Solenoid Kit (Electric Actuator), 24 Volt DC.....	235.59	27.10
21 23 16 00-0032 EA XV Microswitch Kit, SPDT.....	79.29	12.73
21 23 16 00-0033 EA XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release.....	85.27	12.73
21 23 16 00-0034 EA EMT Connector Kit (EMT Connector And O-Ring).....	36.28	10.16
21 23 16 00-0035 EA KRS-50 Control Box Assembly.....	667.14	52.50
Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.		
21 23 16 00-0036 EA SPDT Microswitch For KRS-50.....	100.94	12.73
21 23 16 00-0037 EA DPDT Microswitch For KRS-50.....	182.32	22.09
21 23 16 00-0038 EA SPDT Pressure Switch (Fire Department Tie-In).....	560.82	70.86

21 23 16 00-0039 Mechanical Actuation Components (21 23 16 00-0001)

21 23 16 00-0040 EA Universal Detector Link Housing Kit, Mechanical Actuation Systems.....	67.94	20.33
Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.		
21 23 16 00-0041 EA XV Low Profile Link Detector Housing Kit.....	92.47	20.33
Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.		
21 23 16 00-0042 EA XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	234.41	13.55
21 23 16 00-0043 EA XV Remote Manual Release, Pull-To-Trip.....	180.59	13.55

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0044	EA		Corner Pulley, Mechanical Actuation Systems.....	28.19	3.66
21 23 16 00-0045	EA		Double Tee Pulley, Mechanical Actuation Systems.....	380.30	22.36
21 23 16 00-0046	EA		In-Line Tee Pulley, Mechanical Actuation Systems.....	47.16	5.96
21 23 16 00-0047	EA		Corner Pulley / Quik-Seal Adapter Combination.....	95.28	6.78
21 23 16 00-0048	LF		1/16" Cable, Mechanical Actuation Systems.....	3.21	1.36
21 23 16 00-0049	EA		Cable Clamp.....	13.32	0.67
21 23 16 00-0050	EA		Cable Crimp Sleeve, Mechanical Actuation Systems.....	1.97	0.54
21 23 16 00-0051	EA		"S" Hook, Mechanical Actuation Systems.....	1.90	0.54
21 23 16 00-0052	EA		1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	100.63	12.60
21 23 16 00-0053			Mechanical Detection Links (21 23 16 00-0001)		
21 23 16 00-0054	EA		KGS Standard Response Link.....	22.87	6.78
21 23 16 00-0055	EA		KGS Rapid Response Link.....	32.18	6.78
21 23 16 00-0056	EA		KFA Type "A" Fusible Link.....	28.00	6.78
21 23 16 00-0057	EA		KML Type "ML" Fusible Link.....	27.50	6.78
21 23 16 00-0058	EA		500 Degree, KML Type "ML" Fusible Link.....	39.46	6.78
21 23 16 00-0059			Gas Valves (21 23 16 00-0001)		
21 23 16 00-0060	EA		3/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	445.57	29.27
21 23 16 00-0061	EA		1" NPT Mechanical Cable Operated Gas Shut-off Valve.....	486.48	36.04
21 23 16 00-0062	EA		1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	560.13	45.52
21 23 16 00-0063	EA		1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	615.49	52.43
21 23 16 00-0064	EA		2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	666.66	61.92
21 23 16 00-0065	EA		2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	1,101.24	90.50
21 23 16 00-0066	EA		3" NPT Mechanical Cable Operated Gas Shut-off Valve.....	1,231.00	104.73
21 23 16 00-0067	EA		Pneumatic Release (Single Unit).....	506.06	33.06
21 23 16 00-0068	EA		Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve.....	64.18	
21 23 16 00-0069	EA		1/2" Electric Solenoid Gas Shut-off Valve.....	463.97	27.24
21 23 16 00-0070	EA		3/4" Electric Solenoid Gas Shut-off Valve.....	468.06	29.27
21 23 16 00-0071	EA		1" Electric Solenoid Gas Shut-off Valve.....	719.37	36.04
21 23 16 00-0072	EA		1-1/4" Electric Solenoid Gas Shut-off Valve.....	764.11	45.52
21 23 16 00-0073	EA		1-1/2" Electric Solenoid Gas Shut-off Valve.....	877.28	52.43
21 23 16 00-0074	EA		2" Electric Solenoid Gas Shut-off Valve.....	1,126.01	61.92
21 23 16 00-0075	EA		2-1/2" Electric Solenoid Gas Shut-off Valve.....	1,857.71	90.50
21 23 16 00-0076	EA		3" Electric Solenoid Gas Shut-off Valve.....	2,331.18	104.73
21 23 16 00-0077	EA		Manual Reset Relay.....	665.86	136.16
21 23 16 00-0078			Liquid Tight Sealing Adapters (21 23 16 00-0001)		
21 23 16 00-0079	EA		3/8" Tubing, Compression Seal Adapter.....	51.52	5.69
21 23 16 00-0080	EA		1/2" Tubing, 1/4" Pipe, Compression Seal Adapter.....	50.92	6.24
21 23 16 00-0081	EA		5/8" Tubing, 3/8" Pipe, Compression Seal Adapter.....	59.84	7.45
21 23 16 00-0082	EA		3/4" Tubing, 1/2" Pipe, Compression Seal Adapter.....	68.87	8.00
21 23 16 00-0083	EA		1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter.....	59.84	7.45
21 23 16 00-0084	EA		3/8" NPT Female, Quik-Seal Adapter.....	50.92	6.24
21 23 16 00-0085	EA		1/2" NPT Female, Quik-Seal Adapter.....	50.92	6.24
21 23 16 00-0086	EA		3/4" NPT Female, Quik-Seal Adapter.....	83.73	10.57
21 23 16 00-0087	EA		1" NPT Female, Quik-Seal Adapter.....	111.46	13.95
21 23 16 00-0088	EA		Quik-Patch For Hole Patching Up To 1-1/8" Diameter.....	50.92	
21 23 16 00-0089			Pressure Operated Releasing Systems (21 23 16 00-0001)		
21 23 16 00-0090	EA		KRS-100 Nitrogen Cylinder.....	369.28	40.92
21 23 16 00-0091	EA		KRS-100 Actuator Assembly.....	332.38	41.73
21 23 16 00-0092	EA		KRS-100 Mounting Bracket.....	254.96	10.30
21 23 16 00-0093	EA		KRS-700S Nitrogen Cylinder.....	953.89	118.01
21 23 16 00-0094	EA		KRS-700 Mounting Bracket.....	203.09	25.21
21 23 16 00-0095	EA		KRS-700S Discharge Adapter Kit.....	304.03	25.21
21 23 16 00-0096	EA		Check Valve, Pressure Operated Releasing Systems.....	299.13	17.88
21 23 16 00-0097	EA		Vent Check, Pressure Operated Releasing Systems.....	93.55	11.39
21 23 16 00-0098	EA		Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly.....	12.29	
21 23 16 00-0099	EA		3 Pole, Double Throw Pressure Switch.....	764.66	94.84
21 23 16 00-0100			Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)		
21 23 16 00-0101			Cylinders, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0102	EA		3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194).....	785.50	96.19
21 23 16 00-0103	EA		4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193).....	1,131.53	138.61
21 23 16 00-0104	EA		6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196).....	1,490.94	189.54
21 23 16 00-0105	EA		Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053).....	162.87	22.63
21 23 16 00-0106	EA		Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208).....	1,071.85	147.95
21 23 16 00-0107	EA		Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966).....	654.43	90.23
21 23 16 00-0108			Fusible Links, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0109	EA		165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522).....	21.13	2.98
21 23 16 00-0110	EA		212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523).....	21.13	2.98



Fire Suppression	21	12
Fire-Extinguishing Systems	21 20	
Wet-Chemical Fire-Extinguishing Systems	21 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0111 EA 280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	21.59	2.98
21 23 16 00-0112 EA 360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	21.13	2.98
21 23 16 00-0113 EA 450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	21.13	2.98
21 23 16 00-0114 EA 500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	22.81	2.98
21 23 16 00-0115 EA Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	36.61	5.01
21 23 16 00-0116 EA Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	47.56	6.64
21 23 16 00-0117 EA Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	75.66	34.28
21 23 16 00-0118 EA 225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	465.98	76.28
21 23 16 00-0119 Gas Valves, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0120 EA 3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	366.24	29.27
21 23 16 00-0121 EA 1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	418.97	36.04
21 23 16 00-0122 EA 1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	456.66	45.52
21 23 16 00-0123 EA 1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	503.83	52.30
21 23 16 00-0124 EA 2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	580.67	61.79
21 23 16 00-0125 EA 2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	1,316.79	90.37
21 23 16 00-0126 EA 3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	1,410.59	104.59
21 23 16 00-0127 EA 3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358).....	291.60	29.27
21 23 16 00-0128 EA 1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359).....	488.01	36.04
21 23 16 00-0129 EA 1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	514.49	45.52
21 23 16 00-0130 EA 1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	585.91	52.30
21 23 16 00-0131 EA 2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362).....	804.55	61.79
21 23 16 00-0132 EA 2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	1,536.92	90.37
21 23 16 00-0133 EA 3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643).....	1,627.02	104.59
21 23 16 00-0134 Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0135 EA Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	75.50	10.03
21 23 16 00-0136 EA Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	106.20	12.73
21 23 16 00-0137 EA Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	385.96	12.73
21 23 16 00-0138 Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0139 EA Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059).....	27.99	3.93
21 23 16 00-0140 EA PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	916.83	127.22
21 23 16 00-0141 EA PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	1,168.62	162.72
21 23 16 00-0142 Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0143 EA 24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	599.39	83.32
21 23 16 00-0144 EA 120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	723.17	100.40
21 23 16 00-0145 Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0146 EA Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	661.28	91.86
21 23 16 00-0147 EA Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200).....	690.36	96.06
21 23 16 00-0148 EA 24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	899.07	124.92
21 23 16 00-0149 EA 120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	1,031.58	143.62
21 23 16 00-0150 EA Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853).....	83.80	11.65
21 23 16 00-0151 Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0152 EA Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670).....	20.31	1.90
21 23 16 00-0153 EA Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	21.17	2.43
21 23 16 00-0154 EA Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	67.17	9.34
21 23 16 00-0155 EA Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272).....	0.91	
21 23 16 00-0156 Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0157 EA SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227).....	73.03	10.16
21 23 16 00-0158 EA DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237).....	146.25	20.19
21 23 16 00-0159 EA Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978).....	309.50	42.82
21 23 16 00-0160 Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0161 LF 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821).....	1.58	0.40
21 23 16 00-0162 EA Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122).....	1.05	0.40
21 23 16 00-0163 EA High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551).....	3.62	0.54
21 23 16 00-0164 EA "S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121).....	0.71	
21 23 16 00-0165 Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0166 EA Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698).....	69.46	9.76
21 23 16 00-0167 EA Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	72.50	10.16

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0168 EA Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	8.48	1.22
21 23 16 00-0169 EA 225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	99.24	13.28
21 23 16 00-0170 EA Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	13.96	1.90
21 23 16 00-0171 EA Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	19.45	2.71
21 23 16 00-0172 EA Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	8.48	1.22
21 23 16 00-0173 EA Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	11.97	1.63
21 23 16 00-0174 EA Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	11.70	1.63
21 23 16 00-0175 EA Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	3.35	0.40
21 23 16 00-0176 EA Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	5.66	
21 23 16 00-0177 EA O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	108.34	
21 23 16 00-0178 EA 3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	728.66	
21 23 16 00-0179 EA 4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	950.47	
21 23 16 00-0180 EA 6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	1,100.09	
21 23 16 00-0181 Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0182 EA 3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	33.96	4.61
21 23 16 00-0183 EA 1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	35.19	4.88
21 23 16 00-0184 EA Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	67.74	9.34
21 23 16 00-0185 EA Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	95.87	
21 23 16 00-0186 EA 3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	206.06	
21 23 16 00-0187 Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0188 EA Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	137.01	19.10
21 23 16 00-0189 EA Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	150.72	26.82
21 23 16 00-0190 EA Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	36.61	5.01
21 23 16 00-0191 EA Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	5.57	1.76
21 23 16 00-0192 Asco Gas Valve Control Panels (21 23 16)		
21 23 16 00-0193 EA Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	2,568.05	298.08
21 23 16 00-0194 EA Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	2,649.92	298.08
21 23 16 00-0195 EA Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	851.60	67.74
21 23 16 00-0196 EA Emergency Stop Station For Relay Control Panel (Asco 173A19)	798.12	67.74
21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)		
21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)		
21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems (21 24 16)		
Note: Amerex or equal.		
21 24 16 00-0002 EA 3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	655.05	105.14
21 24 16 00-0003 EA 6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	907.50	132.59
21 24 16 00-0004 EA Recharge - KP Liquid Agent (3.75 Gallon)	215.53	
21 24 16 00-0005 EA Recharge - KP Liquid Agent (6 Gallon)	378.88	
21 24 16 00-0006 EA 3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet	150.88	22.08
21 24 16 00-0007 EA 6 Gallon, Bracket Assembly Agent Cylinder	87.89	12.80
21 24 16 00-0008 EA 6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit	38.11	
21 24 16 00-0009 EA 6 Gallon, Pneumatic Actuator, Agent Cylinder	150.88	22.08
21 24 16 00-0010 EA MRM Actuator (Less N2 Cylinder And Enclosure)	378.88	55.33
21 24 16 00-0011 EA Painted Steel, MRM Enclosure	201.92	29.43
21 24 16 00-0012 EA Stainless Steel, MRM Enclosure	243.68	29.43
21 24 16 00-0013 EA Stainless Steel, Single Cylinder System Cabinet	601.23	87.85
21 24 16 00-0014 EA N2 - 1/4" x 16" Actuation Hose	45.37	6.63
21 24 16 00-0015 EA 10 CU. Inch, Nitrogen Cylinder	201.92	29.43
Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016 EA Vent Check	36.31	5.30
21 24 16 00-0017 EA Detector	27.22	3.97
Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018 EA 280 To 450 Degree F, Fusible Link	10.22	1.47
21 24 16 00-0019 EA Test Link	3.71	
21 24 16 00-0020 EA Corner Pulley	14.07	2.06
21 24 16 00-0021 EA 1/16", 500 Foot Spool, Cable	226.87	33.11
21 24 16 00-0022 EA Pulley Tee	102.08	14.86
21 24 16 00-0023 EA Manual Pull Station (Standard)	90.74	13.24
21 24 16 00-0024 EA Manual Pull Station, Adapter Kit (Recess Standard Pull Station)	42.57	6.18
21 24 16 00-0025 EA Manual Pull Station (Oversized)	101.18	14.72
21 24 16 00-0026 EA Conduit Offset	20.18	2.95
21 24 16 00-0027 EA 3/8" Pipe Thread, Seal (Quick-Seal)	27.82	4.12
21 24 16 00-0028 EA 1/2" Pipe Thread, Seal (Quick-Seal)	22.69	3.39
21 24 16 00-0029 EA 3/8" Pipe Compression Seal	37.88	5.59
21 24 16 00-0030 EA 1/2" Pipe Compression Seal	37.88	5.59
21 24 16 00-0031 EA Cap, Nozzle Blow-Off (Standard)	11.64	3.83
21 24 16 00-0032 EA Cap, Nozzle Blow-Off (High Temperature)	25.29	3.83
21 24 16 00-0033 EA 2 Flow Points, Fryer/Griddle Nozzle	45.37	6.63
21 24 16 00-0034 EA 1 Flow Point Each, Appliance, Plenum Nozzle	45.37	6.63
21 24 16 00-0035 EA Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	45.37	6.63
21 24 16 00-0036 EA 1/2 Flow Points Each, Upright Charbroiler Nozzle	45.37	6.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0037 EA 2 Flow Points Each, Duct (Only) Nozzle	45.37	6.63
21 24 16 00-0038 EA 2 Flow Points Each, Four Burner Range Nozzle.....	65.26	9.56
21 24 16 00-0039 EA 3/4" Or 1" Mechanical Gas Valve.....	355.85	39.00
21 24 16 00-0040 EA 1-1/4" Or 1-1/2" Mechanical Gas Valve	423.30	56.65
21 24 16 00-0041 EA 2" Mechanical Gas Valve.....	525.81	66.96
21 24 16 00-0042 EA Manual Reset Relay (Required With Every Electric Gas Valve)	571.71	83.44
21 24 16 00-0043 EA SPDT Microswitch With 18" Leads	30.09	4.41
21 24 16 00-0044 EA Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	48.55	7.07
21 24 16 00-0045 EA Gas Valve Trip Assembly.....	102.09	14.86
21 24 16 00-0046	Range Guard Fire Suppression Systems (21 24 16)	
Note: Range Guard or equal.		
21 24 16 00-0047 EA 1-1/4 Gallon Charged Cylinder With Valve	696.26	113.67
21 24 16 00-0048 EA 2-1/2 Gallon Charged Cylinder With Valve	869.12	141.86
21 24 16 00-0049 EA 4 Gallon Charged Cylinder With Valve.....	1,072.98	175.19
21 24 16 00-0050 EA 6 Gallon Charged Cylinder With Valve.....	1,274.48	207.98
21 24 16 00-0051 EA Vent Plug	29.25	4.74
21 24 16 00-0052 EA Discharge Adapter Kit.....	37.68	
21 24 16 00-0053 EA 1-1/4 Gallon Wall Bracket	77.50	12.60
21 24 16 00-0054 EA 2-1/2 Gallon Wall Bracket	82.02	13.42
21 24 16 00-0055 EA 4 Gallon Wall Bracket	154.91	25.34
21 24 16 00-0056 EA 6 Gallon Wall Bracket	171.68	28.04
21 24 16 00-0057 EA Mechanical Control Head, No Microswitch	605.65	98.91
21 24 16 00-0058 EA Mechanical Control Head, 1 Microswitch.....	631.88	103.10
21 24 16 00-0059 EA Mechanical Control Head, 2 Microswitches	724.86	118.28
21 24 16 00-0060 EA Tandem Control Head.....	550.81	89.97
21 24 16 00-0061 EA Electric Control Head, 120 Volt AC / 24 Volt DC.....	932.32	152.16
21 24 16 00-0062 EA Mechanical Control Box.....	414.89	67.74
21 24 16 00-0063 EA Tandem Control Box.....	414.89	67.74
21 24 16 00-0064 EA Mechanical Control Box Adapter.....	121.61	19.91
21 24 16 00-0065 EA A+ Control head With 1 Pressure Operated Actuator	365.45	59.61
21 24 16 00-0066 EA Pressure Operated Actuator	150.21	24.52
21 24 16 00-0067 EA BMCS-1 Nitrogen Cylinder.....	243.21	39.70
21 24 16 00-0068 EA BMCS-1 Actuator Assembly	247.98	40.51
21 24 16 00-0069 EA BMCS-1 Mounting Bracket	60.80	9.89
21 24 16 00-0070 EA BMCS-7 Nitrogen Cylinder.....	701.78	114.49
21 24 16 00-0071 EA BMCS-7 Mounting Bracket	150.21	24.52
21 24 16 00-0072 EA BMCS-7 Discharge Adapter Kit.....	150.21	24.52
21 24 16 00-0073 EA Check Valve.....	129.62	29.13
21 24 16 00-0074 EA Vent Check For Use With BMCS Systems	67.96	11.11
21 24 16 00-0075 EA Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	29.58	4.83
21 24 16 00-0076 EA Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly.....	7.78	
21 24 16 00-0077 EA Pneumatic Control Head For Slave Cylinders.....	154.99	25.34
21 24 16 00-0078 EA Nozzles; ADP, F, R And GRW	71.05	11.65
21 24 16 00-0079 EA Nozzles; DM And LPF.....	79.16	12.87
21 24 16 00-0080 EA Swivel Adapter.....	50.07	8.13
21 24 16 00-0081 EA Corner Pulley.....	21.45	3.52
21 24 16 00-0082 LF 1/16" Stainless Steel Cable.....	1.02	0.40
21 24 16 00-0083 EA Cable Crimp Sleeve	1.23	0.40
21 24 16 00-0084 EA "S" Hook.....	0.93	0.27
21 24 16 00-0085 EA Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	73.89	12.06
21 24 16 00-0086 EA Cable Clamp	6.59	1.09
21 24 16 00-0087 EA Nico Sleeves - 1/16" Cable	0.93	0.27
21 24 16 00-0088 EA 3/8" Cable Anchor.....	78.08	12.73
21 24 16 00-0089 EA 1/2" Cable Anchor.....	78.08	12.73
21 24 16 00-0090 EA Mechanical Remote Manual Release (Pull Cable).....	126.30	20.60
21 24 16 00-0091 EA Tee Pulley, Use For Mechanical Pull And Gas Valve	134.79	21.95
21 24 16 00-0092 EA Surface Remote Manual Release, End-of-line	157.91	25.74
21 24 16 00-0093 EA Surface Remote Manual Release, In line Conservation Kit	49.49	8.13
21 24 16 00-0094 EA Surface Remote Manual Release, In line And End Of Line	207.32	33.73
21 24 16 00-0095 EA Recessed Remote Manual Release, End-of-line	157.91	25.74
21 24 16 00-0096 EA Recessed Remote Manual Release, In Line Kit.....	188.25	30.76
21 24 16 00-0097 EA Pulley Tee, Remote In Line Only	33.84	5.55
21 24 16 00-0098 EA Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	37.57	6.10
21 24 16 00-0099 EA Fusible Link 165F To 360F	12.31	2.03
21 24 16 00-0100 EA Fusible Link 500F.....	18.98	2.03
21 24 16 00-0101 EA Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	37.57	6.10
21 24 16 00-0102 EA Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	28.33	6.10
21 24 16 00-0103 EA Quartzoid Link 400 F.....	202.55	33.06
21 24 16 00-0104 EA Quartzoid Link 500 F.....	202.55	33.06
21 24 16 00-0105 EA SPDT Micro Switch For Use With A Plus Control Box	72.61	11.79
21 24 16 00-0106 EA DPDT Micro Switch For Use With A Plus Control Box	126.30	20.60
21 24 16 00-0107 EA SPDT Micro Switch For Use With A Mechanical Control Box	75.06	12.19
21 24 16 00-0108 EA DPDT Micro Switch For Use With A Mechanical Control Box	130.09	21.27
21 24 16 00-0109 EA SPDT Micro Switch For Use With PRCB	95.32	15.58
21 24 16 00-0110 EA DPDT Micro Switch For Use With PRCB	137.50	22.36
21 24 16 00-0111 EA Pressure Switch, SPDT (Fire Dept. Tie In)	402.72	65.71
21 24 16 00-0112 EA Circuit Monitor 12 Or 24 Volt DC.....	181.10	29.54
21 24 16 00-0113 EA Circuit Monitor 120 Volt AC.....	181.10	29.54

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0114 EA Electric Manual Pull Station	132.26	21.54
21 24 16 00-0115 EA 6", 24 Volt DC, Motor Bell	73.87	12.06
21 24 16 00-0116 EA 10", 115 Volt AC Motor Bell	104.86	17.07
21 24 16 00-0117 EA Fuse, 1.2 For ECH	8.50	1.36
21 24 16 00-0118 EA Indicator Lamp 12 Or 24 Volt DC	37.57	6.10
21 24 16 00-0119 EA Indicator Lamp 120 Volt AC	37.57	6.10
21 24 16 00-0120 EA B-10 Manual Station Dual Action, SPDT	138.21	22.49
21 24 16 00-0121 EA B-11 Manual Station Dual Action, DPDT	152.51	24.93
21 24 16 00-0122 EA Break Rods For B10/B11 Manual Pull Station	4.47	1.76
21 24 16 00-0123 EA Spare Key For B10/B11 Manual Stations	19.07	3.12
21 24 16 00-0124 EA MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	204.93	33.46
21 24 16 00-0125 EA Suppression Abort Station	216.86	35.36
21 24 16 00-0126 EA Suppression Abort Station With Surface Mount Back Box	252.59	41.19
21 24 16 00-0127 EA Surface Mount Back Box	83.40	13.55
21 24 16 00-0128 EA Single Hazard Control Unit, 120 Volt AC IP	1,548.91	252.41
21 24 16 00-0129 EA Single Hazard Control Unit, 240 Volt AC IP	1,548.91	252.41
21 24 16 00-0130 EA 1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	128.68	21.00
21 24 16 00-0131 EA Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	5.01	0.95
21 24 16 00-0132 EA Spare Scorpio Circuit Board	1,119.90	
21 24 16 00-0133 EA Extra Scorpio Key	19.07	
21 24 16 00-0134 EA Extra Scorpio Manual	11.91	
21 24 16 00-0135 EA Compression Seal Adapter 3/8" Pipe	32.40	5.28
21 24 16 00-0136 EA Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	35.19	5.69
21 24 16 00-0137 EA Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	42.34	6.91
21 24 16 00-0138 EA Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	45.27	7.31
21 24 16 00-0139 EA Quik Seal Adapter 3/8" NPT Female	35.19	5.69
21 24 16 00-0140 EA Quik Seal Adapter 1/2" NPT Female	35.19	5.69
21 24 16 00-0141 EA Quik Seal Adapter 3/4" NPT Female	60.20	9.89
21 24 16 00-0142 EA Quik Seal Adapter 1" NPT Female	79.82	13.00
21 24 16 00-0143 EA Quik Patch (Up To 1-1/8" Diameter)	35.19	5.69
21 24 16 00-0144 EA 1-1/4 Gallon Karbaloy Charge	78.32	
21 24 16 00-0145 EA 2-1/2 Gallon Karbaloy Charge	134.62	
21 24 16 00-0146 EA 4 Gallon Karbaloy Charge	203.49	
21 24 16 00-0147 EA 6 Gallon Karbaloy Charge	297.77	
21 24 16 00-0148 EA Inlet Flushing Adapter	58.38	9.48
21 24 16 00-0149 EA 1/2" Flushing Adapter (Outlet)	58.38	9.48
21 24 16 00-0150 EA 1/8" Flushing Adapter (Outlet)	58.38	9.48
21 24 16 00-0151 EA 1/4" Flushing Adapter (Outlet)	58.38	9.48
21 24 16 00-0152 EA 3/8" Flushing Adapter (Outlet)	58.38	9.48
21 24 16 00-0153 EA Recharge Adapter (Old Style Cylinder Valve Assembly Only)	81.02	
21 24 16 00-0154 EA Instruction Label (In Case Of Fire) - MCB	6.58	
21 24 16 00-0155 EA Caution Sign (Turn On Fan)	7.78	
21 24 16 00-0156 EA Inspection Label (Authorized installers only)	5.61	
21 24 16 00-0157 EA Label, Warning, A+ Control Box	4.17	
21 24 16 00-0158 EA Wet Chemical System Kits, RG-1.25G Kit; #23315	1,024.59	167.05
21 24 16 00-0159 EA Wet Chemical System Kits, RG-2.5G Kit; #23316	1,196.18	194.96
21 24 16 00-0160 EA Wet Chemical System Kits, RG-4GS Kit; #23317	1,489.29	242.79
21 24 16 00-0161 EA Wet Chemical System Kits, RG-4GT Kit; #23318	1,489.29	242.79
21 24 16 00-0162 EA Wet Chemical System Kits, RG-6G Kit; #23319	1,872.92	305.25
21 24 16 00-0163 EA Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	887.60	144.70
21 24 16 00-0164 EA Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	833.99	135.89
21 24 16 00-0165 EA Wet Chemical System Kits, A Plus Control Box Kit; #23322	674.34	109.88
21 24 16 00-0166 EA Wet Chemical System Kits, Valve Rebuild Kit; #23210	1,167.57	190.36
21 24 16 00-0167 EA Wet Chemical System Kits, BMCS-1 Package; #23208	1,069.87	174.37

21 30 Fire Pumps ⁽²¹⁾**21 31 Centrifugal Fire Pumps** ^(21 30)**21 31 13 Electric-Drive, Centrifugal Fire Pumps** ^(21 31)**21 31 13 00-0001 Electric-Drive Fire Pumps** ^(21 31 13)

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002 EA 20 HP Electric Fire Pump	59,106.89	2,617.53
For Duplex Pumping System, Add	56,489.37	
21 31 13 00-0003 EA 30 HP Electric Fire Pump	68,862.14	2,944.72
For Duplex Pumping System, Add	66,135.55	
21 31 13 00-0004 EA 40 HP Electric Fire Pump	93,697.49	3,271.91
For Duplex Pumping System, Add	90,667.95	
21 31 13 00-0005 EA 50 HP Electric Fire Pump	115,544.77	3,642.79
For Duplex Pumping System, Add	111,901.99	
21 31 13 00-0006 EA 75 HP Electric Fire Pump	128,966.24	3,973.96
For Duplex Pumping System, Add	124,992.28	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps ^(21 31)**21 31 16 00-0001 Diesel-Drive Fire Pumps** ^(21 31 16)

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002 EA 30 HP Diesel Driven Fire Pump, NFPA-20 Specific	86,786.30	2,980.47
---	-----------	----------



Fire Suppression	21	21
Fire Pumps	21 30	
Centrifugal Fire Pumps	21 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 31 16 00-0003 EA 40 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	98,163.95	3,311.63
21 31 16 00-0004 EA 50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	103,170.89	3,642.79
21 31 16 00-0005 EA 75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	117,376.37	3,973.96
21 31 16 00-0006 EA 150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	124,660.09	4,636.28
21 31 16 00-0007 EA 175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	134,351.73	5,960.93
21 31 16 00-0008 EA 200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	145,860.81	6,623.26
21 31 16 00-0009 EA 250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	166,784.18	7,550.51
21 31 16 00-0010 EA 300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	199,613.13	8,146.61
21 31 16 00-0011 EA 350 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	234,151.41	9,272.57
21 31 16 00-0012 EA 400 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	277,730.88	9,934.89
21 31 16 00-0013 EA 500 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	312,642.49	10,597.22

END OF SECTION 21

21	21	Fire Suppression
	21 30	Fire Pumps
	21 31	Centrifugal Fire Pumps



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

THIS PAGE INTENTIONALLY LEFT BLANK



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

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing ⁽²²⁾

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps ^(22 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs ^(22 01 10)

22 01 10 61-0001 Pipe Repair Clamps ^(22 01 10 61)

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	47.51
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	49.74
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	54.74
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	58.53
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	63.64
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	81.39
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	104.76
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	122.56
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	140.72
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	74.25
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	78.58
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	87.00
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	95.63
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	105.63
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	136.62
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	168.01
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	192.80
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	219.19
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	104.78
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	109.49
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	121.03
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	132.77
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	149.97
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	184.23
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	219.57
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	265.31
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	325.45
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	334.57
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	358.28

22 01 40 Operation and Maintenance of Plumbing Fixtures ^(22 01)

22 01 40 81 Plumbing Fixtures Replacement ^(22 01 40)

22 01 40 81-0001 Removal And Replacement Of Fixture And/Or Trim ^(22 01 40 81)

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube	74.43
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	22.82

22 Plumbing**22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**

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

22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	35.66	
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	50.38	
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line.....	77.83	
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome.....	47.10	
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm.....	45.30	
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head	50.45	
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob	42.72	
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim.....	130.54	
		Note: Excludes balancing valve.		
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer	33.70	
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper	18.88	
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper	19.74	
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper	18.88	
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper	11.22	
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8"	33.05	
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2"	52.72	
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod	32.19	
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper	38.09	
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle	42.11	
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring	33.24	
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Faucet Hole Cover	23.46	
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock.....	46.59	
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax.....	8.96	
		Note: Excludes removal of toilet.		
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank.....	179.31	
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl.....	232.50	
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	247.44	
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl	261.86	
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl.....	237.52	
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	30.05	
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain	20.99	
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever	23.08	
22 01 40 81-0034	EA	Removal And Replacement Of Elongated Toilet Seat With Lid.....	112.29	
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid.....	104.35	
22 01 40 81-0036	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails	165.21	
22 01 40 81-0037	EA	Removal And Replacement Of Diverter Tub Spout.....	62.16	
22 01 40 81-0038	EA	Removal And Replacement Of Tub Spout	46.46	
22 01 40 81-0039	EA	Removal And Replacement Of 2" Tub Stopper.....	13.30	
22 01 40 81-0040	EA	Removal And Replacement Of Tub Waste/Overflow	89.30	
22 01 40 81-0041	EA	Removal And Replacement Of Tub Stem Bonnet Assembly	47.72	
22 01 40 81-0042	EA	Removal And Replacement Of Faucet Bonnet	51.79	
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Diverter Stem	32.81	
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet	43.13	
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Spout	48.05	
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Stem	35.77	
22 01 40 81-0047	EA	Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard.....	207.68	
22 01 40 81-0048	EA	Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve	255.79	
22 01 40 81-0049	EA	Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve.....	163.44	

22 05 Common Work Results for Plumbing ⁽²²⁾**22 05 13 Common Motor Requirements for Plumbing Equipment** ^(22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping ^(22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping ^(22 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping ^(22 05)

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping ^(22 05)

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001 Gate Valves ^(22 05 23)**22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves** ^(22 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003	EA	1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	93.91	14.72
		For 150 LB Rating, Add	5.11	
		For 200 LB Rating, Add	7.66	
		For Work In Restricted Working Space, Add	12.86	
22 05 23 00-0004	EA	3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	96.16	14.72
		For 150 LB Rating, Add	5.11	
		For 200 LB Rating, Add	7.66	
		For Work In Restricted Working Space, Add	13.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0005 EA 1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	98.84	14.72
For 150 LB Rating, Add	5.14	
For 200 LB Rating, Add	7.70	
For Work In Restricted Working Space, Add	14.24	
22 05 23 00-0006 EA 3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	119.18	16.19
For 150 LB Rating, Add	5.52	
For 200 LB Rating, Add	8.28	
For Work In Restricted Working Space, Add	19.19	
22 05 23 00-0007 EA 1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	145.08	18.40
For 150 LB Rating, Add	6.76	
For 200 LB Rating, Add	10.14	
For Work In Restricted Working Space, Add	23.24	
22 05 23 00-0008 EA 1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	208.51	19.58
For 150 LB Rating, Add	11.04	
For 200 LB Rating, Add	16.56	
For Work In Restricted Working Space, Add	29.43	
22 05 23 00-0009 EA 1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	233.19	22.66
For 150 LB Rating, Add	12.00	
For 200 LB Rating, Add	18.00	
For Work In Restricted Working Space, Add	33.96	
22 05 23 00-0010 EA 2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	279.15	26.78
For 150 LB Rating, Add	14.54	
For 200 LB Rating, Add	21.81	
For Work In Restricted Working Space, Add	40.13	
22 05 23 00-0011 EA 2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	602.32	36.18
For 150 LB Rating, Add	42.17	
For 200 LB Rating, Add	63.25	
For Work In Restricted Working Space, Add	54.20	
For Chain Operated Type, Add	189.75	
22 05 23 00-0012 EA 3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	706.02	42.00
For 150 LB Rating, Add	49.76	
For 200 LB Rating, Add	74.64	
For Work In Restricted Working Space, Add	62.53	
22 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves <small>(22 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)		
22 05 23 00-0014 EA 1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	110.93	14.72
For 150 LB Rating, Add	6.81	
For 200 LB Rating, Add	10.21	
For Work In Restricted Working Space, Add	12.86	
22 05 23 00-0015 EA 3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	113.03	14.72
For 150 LB Rating, Add	6.79	
For 200 LB Rating, Add	10.19	
For Work In Restricted Working Space, Add	13.53	
22 05 23 00-0016 EA 1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	130.28	14.72
For 150 LB Rating, Add	8.28	
For 200 LB Rating, Add	12.42	
For Work In Restricted Working Space, Add	14.24	
22 05 23 00-0017 EA 3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	150.62	16.19
For 150 LB Rating, Add	8.66	
For 200 LB Rating, Add	13.00	
For Work In Restricted Working Space, Add	19.19	
22 05 23 00-0018 EA 1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	180.95	18.40
For 150 LB Rating, Add	10.35	
For 200 LB Rating, Add	15.52	
For Work In Restricted Working Space, Add	23.24	
22 05 23 00-0019 EA 1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	257.58	19.58
For 150 LB Rating, Add	15.95	
For 200 LB Rating, Add	23.92	
For Work In Restricted Working Space, Add	29.43	
22 05 23 00-0020 EA 1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	294.91	22.66
For 150 LB Rating, Add	18.17	
For 200 LB Rating, Add	27.26	
For Work In Restricted Working Space, Add	33.96	
22 05 23 00-0021 EA 2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	374.52	26.78
For 150 LB Rating, Add	24.07	
For 200 LB Rating, Add	36.11	
For Work In Restricted Working Space, Add	40.13	
22 05 23 00-0022 200 PSI, Non Rising Stem, Crimped Bronze Gate Valves <small>(22 05 23 00-0001)</small>		
Note: 200 psi cold working pressure.		
22 05 23 00-0023 EA 1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	124.85	14.72
For Work In Restricted Working Space, Add	9.93	
22 05 23 00-0024 EA 3/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	140.72	16.19
For Work In Restricted Working Space, Add	11.31	
22 05 23 00-0025 EA 1" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	183.79	18.40
For Work In Restricted Working Space, Add	13.52	
22 05 23 00-0026 EA 1-1/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	247.58	19.58
For Work In Restricted Working Space, Add	14.90	
22 05 23 00-0027 EA 1-1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	286.40	22.66
For Work In Restricted Working Space, Add	16.56	
22 05 23 00-0028 EA 2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	391.73	26.78
For Work In Restricted Working Space, Add	19.87	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 23 General-Duty Valves for Plumbing Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0029			Ball Valves (22 05 23)		
22 05 23 00-0030			Crimped Bronze, Ball Valves (22 05 23 00-0029)		
22 05 23 00-0031			Crimped Bronze, 250 PSI, Ball Valves (22 05 23 00-0030)		
			Note: Nibco®		
22 05 23 00-0032	EA		1/2" Crimped Bronze, 250 PSI, Ball Valve .....88.52	88.52	14.72
			<i>For Work In Restricted Working Space, Add</i>	9.93	
22 05 23 00-0033	EA		3/4" Crimped Bronze, 250 PSI, Ball Valve .....113.22	113.22	16.19
			<i>For Work In Restricted Working Space, Add</i>	11.31	
22 05 23 00-0034	EA		1" Crimped Bronze, 250 PSI, Ball Valve .....144.46	144.46	18.40
			<i>For Work In Restricted Working Space, Add</i>	13.52	
22 05 23 00-0035	EA		1-1/4" Crimped Bronze, 250 PSI, Ball Valve .....227.43	227.43	19.58
			<i>For Work In Restricted Working Space, Add</i>	14.90	
22 05 23 00-0036	EA		1-1/2" Crimped Bronze, 250 PSI, Ball Valve .....297.91	297.91	22.66
			<i>For Work In Restricted Working Space, Add</i>	16.56	
22 05 23 00-0037	EA		2" Crimped Bronze, 250 PSI, Ball Valve .....444.64	444.64	26.78
			<i>For Work In Restricted Working Space, Add</i>	19.87	
22 05 23 00-0038			Crimped Bronze, 200 PSI, Full Port Ball Valves (22 05 23 00-0030)		
22 05 23 00-0039	EA		1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....58.00	58.00	14.72
			<i>For Work In Restricted Working Space, Add</i>	9.93	
22 05 23 00-0040	EA		3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....72.70	72.70	16.19
			<i>For Work In Restricted Working Space, Add</i>	11.31	
22 05 23 00-0041	EA		1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....88.14	88.14	18.40
			<i>For Work In Restricted Working Space, Add</i>	13.52	
22 05 23 00-0042	EA		1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....119.66	119.66	19.58
			<i>For Work In Restricted Working Space, Add</i>	14.90	
22 05 23 00-0043	EA		1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....152.09	152.09	22.66
			<i>For Work In Restricted Working Space, Add</i>	16.56	
22 05 23 00-0044	EA		2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve .....221.01	221.01	26.78
			<i>For Work In Restricted Working Space, Add</i>	19.87	
22 05 23 00-0045			Crimped Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)		
22 05 23 00-0046	EA		1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....65.41	65.41	14.72
			<i>For Work In Restricted Working Space, Add</i>	9.93	
22 05 23 00-0047	EA		3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....78.09	78.09	16.19
			<i>For Work In Restricted Working Space, Add</i>	11.31	
22 05 23 00-0048	EA		1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....96.75	96.75	18.40
			<i>For Work In Restricted Working Space, Add</i>	13.52	
22 05 23 00-0049	EA		1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....146.57	146.57	19.58
			<i>For Work In Restricted Working Space, Add</i>	14.90	
22 05 23 00-0050	EA		1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....209.97	209.97	22.66
			<i>For Work In Restricted Working Space, Add</i>	16.56	
22 05 23 00-0051	EA		2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve .....288.29	288.29	26.78
			<i>For Work In Restricted Working Space, Add</i>	19.87	
22 05 23 00-0052			Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)		
22 05 23 00-0053	EA		1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve .....63.39	63.39	14.72
			<i>For Work In Restricted Working Space, Add</i>	9.93	
22 05 23 00-0054	EA		3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve .....76.20	76.20	16.19
			<i>For Work In Restricted Working Space, Add</i>	11.31	
22 05 23 00-0055	EA		1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve .....92.44	92.44	18.40
			<i>For Work In Restricted Working Space, Add</i>	13.52	
22 05 23 00-0056			Check Valves (22 05 23)		
22 05 23 00-0057			Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves (22 05 23 00-0056)		
			Note: Nibco®		
22 05 23 00-0058	EA		1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....161.15	161.15	14.72
			<i>For Work In Restricted Working Space, Add</i>	9.93	
22 05 23 00-0059	EA		3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....203.99	203.99	16.19
			<i>For Work In Restricted Working Space, Add</i>	11.31	
22 05 23 00-0060	EA		1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....280.15	280.15	18.40
			<i>For Work In Restricted Working Space, Add</i>	13.52	
22 05 23 00-0061	EA		1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....370.74	370.74	19.58
			<i>For Work In Restricted Working Space, Add</i>	14.90	
22 05 23 00-0062	EA		1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....441.25	441.25	22.66
			<i>For Work In Restricted Working Space, Add</i>	16.56	
22 05 23 00-0063	EA		2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve .....628.12	628.12	26.78
			<i>For Work In Restricted Working Space, Add</i>	19.87	
22 05 23 00-0064			Crimped Bronze, 250 PSI, In-Line, Check Valves (22 05 23 00-0056)		
22 05 23 00-0065	EA		1/2" Crimped Bronze, 200 PSI, In-Line Check Valve .....52.32	52.32	14.72
			<i>For Work In Restricted Working Space, Add</i>	9.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0066 EA 3/4" Crimped Bronze, 200 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	62.30 11.31	16.19
22 05 23 00-0067 EA 1" Crimped Bronze, 200 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	73.41 13.52	18.40
22 05 23 00-0068 EA 1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	90.65 14.90	19.58
22 05 23 00-0069 EA 1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	113.37 16.56	22.66
22 05 23 00-0070 EA 2" Crimped Bronze, 200 PSI, In-Line Check Valve <i>For Work In Restricted Working Space, Add</i>	172.11 19.87	26.78
22 05 23 00-0071 Butterfly Valves (22 05 23)		
22 05 23 00-0072 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve (22 05 23 00-0071)		
22 05 23 00-0073 EA 2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	1,159.23 23.18	39.29
22 05 23 00-0074 EA 3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	1,257.19 27.59	45.62
22 05 23 00-0075 EA 4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	1,573.28 36.42	51.51
22 05 23 00-0076 Earthquake-Sensitive Gas Shut-Off Valve (22 05 23)		
22 05 23 00-0077 0.5 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0076)		
22 05 23 00-0078 EA 3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	178.34	16.19
22 05 23 00-0079 EA 1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	203.36	18.40
22 05 23 00-0080 7 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0076)		
22 05 23 00-0081 EA 1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	239.75	19.58
22 05 23 00-0082 EA 1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	317.79	22.66
22 05 23 00-0083 60 PSI Threaded Earthquake Gas Shutoff Valves (22 05 23 00-0076)		
22 05 23 00-0084 EA 3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	216.11	16.19
22 05 23 00-0085 EA 1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	229.59	18.40
22 05 23 00-0086 EA 1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	260.74	19.58
22 05 23 00-0087 EA 1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	349.27	22.66
22 05 23 00-0088 EA 2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	763.30	26.78
22 05 23 00-0089 EA 2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	914.49	36.05
22 05 23 00-0090 EA 3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,178.95	42.00
22 05 23 00-0091 EA 4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,365.01	47.42
22 05 23 00-0092 60 PSI Flanged Earthquake Gas Shutoff Valves (22 05 23 00-0076)		
22 05 23 00-0093 EA 2" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,084.63	196.17
22 05 23 00-0094 EA 3" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,332.22	230.33
22 05 23 00-0095 EA 4" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,900.31	386.13
22 05 23 00-0096 EA 6" Flanged, 60 PSI Earthquake Gas Shutoff Valve	3,014.30	437.38
22 05 23 00-0097 EA 8" Flanged, 60 PSI Earthquake Gas Shutoff Valve	7,933.73	558.87
22 05 23 00-0098 Emergency Shut-Off Valve With Fusible Link (22 05 23)		
22 05 23 00-0099 Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) (22 05 23 00-0098)		
Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.		
22 05 23 00-0100 EA 1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)..... <i>For Work In Restricted Working Space, Add</i>	80.30 12.86	23.70
22 05 23 00-0101 EA 3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)..... <i>For Work In Restricted Working Space, Add</i>	82.61 13.55	25.01
22 05 23 00-0102 EA 1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)..... <i>For Work In Restricted Working Space, Add</i>	124.54 14.24	23.70
22 05 23 00-0103 EA 3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)..... <i>For Work In Restricted Working Space, Add</i>	235.09 19.19	31.93
22 05 23 00-0104 EA 1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)..... <i>For Work In Restricted Working Space, Add</i>	562.57 23.24	38.70
22 05 23 00-0105 Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) (22 05 23 00-0098)		
Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
22 05 23 00-0106 EA 1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	448.28	22.66
22 05 23 00-0107 EA 2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	487.76	26.78
22 05 23 00-0108 EA 3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	813.43	42.00

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 23 General-Duty Valves for Plumbing Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0109 Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) <small>(22 05 23 00-0098)</small> Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
22 05 23 00-0110 EA 2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	679.27	196.17
22 05 23 00-0111 EA 3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,066.07	230.33
22 05 23 00-0112 EA 4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	2,374.96	386.13
22 05 29 Hangers and Supports for Plumbing Piping and Equipment <small>(22 05)</small> See CSI section 23 05 29 00-0000 for hangers and supports.		
22 05 33 Heat Tracing for Plumbing Piping <small>(22 05)</small> See CSI section 23 83 13 00-0000 for heat tracing cables.		
22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment <small>(22 05)</small>		
22 05 48 13 Vibration Controls for Plumbing Piping and Equipment <small>(22 05 48)</small> See CSI section 23 05 48 13-0000 for vibration and seismic control.		
22 05 53 Identification for Plumbing Piping and Equipment <small>(22 05)</small> See CSI section 23 05 53 00-0000 for identification.		
22 05 76 Facility Drainage Piping Cleanouts <small>(22 05)</small>		
22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover <small>(22 05 76)</small> Note: For floor installation.		
22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover <small>(22 05 76 00-0001)</small>		
22 05 76 00-0003 EA 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	708.13	78.29
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0004 EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	770.72	98.16
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0005 EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	960.80	118.61
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0006 EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,363.62	132.73
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0007 EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,670.52	143.77
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover <small>(22 05 76 00-0001)</small>		
22 05 76 00-0009 EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	811.25	78.29
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0010 EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	875.36	98.01
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0011 EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,065.55	118.61
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0012 EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,468.44	132.73
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0013 EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,775.23	143.77
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0014 Wall Cover For Cleanout (22 05 76)		
Note: Cover and screw only.		
22 05 76 00-0015 Round Access Cover, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0016 EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	111.25	24.57
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0017 EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	121.07	29.43
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018 EA 7" Diameter Wall Cover For Cleanout, Screwed.....	152.98	33.11
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0019 EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed.....	251.98	36.79
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0020 EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed.....	373.92	40.47
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0022 EA 7" x 7" Bronze Wall Or Floor Access Cover.....	547.74	24.57
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0023 EA 9" x 9" Bronze Wall Or Floor Access Cover.....	785.69	25.75
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0024 EA 10" x 10" Bronze Wall Or Floor Access Cover.....	839.43	27.23
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0025 EA 14" x 14" Bronze Wall Or Floor Access Cover.....	939.12	30.91
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0027 EA 6" x 6" Bronze Secured Wall Access Panel.....	557.49	24.57
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0028 EA 8" x 8" Bronze Secured Wall Access Panel.....	800.05	25.75
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0029 EA 10" x 10" Bronze Secured Wall Access Panel.....	854.78	27.23
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0030 EA 12" x 12" Bronze Secured Wall Access Panel.....	956.28	30.91
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0032 EA 6" x 6" Bronze Secured Hinged Access Panel, Scoriated.....	541.02	24.57
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0033 EA 8" x 8" Bronze Secured Hinged Access Panel, Scoriated.....	745.91	25.75
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0034	EA		10" x 10" Bronze Secured Hinged Access Panel, Scoriated <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,054.86 19.50 22.50	27.23
22 05 76 00-0035	EA		12" x 12" Bronze Secured Hinged Access Panel, Scoriated <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,276.41 19.50 22.50	30.91
22 05 76 00-0036			Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037			Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038	EA		2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	522.69 18.00 45.00	78.29
22 05 76 00-0039	EA		3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	600.43 18.00 45.00	98.01
22 05 76 00-0040	EA		4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	780.50 18.00 45.00	118.61
22 05 76 00-0041	EA		6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,812.72 18.00 45.00	143.77
22 05 76 00-0042			Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043	EA		2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	888.83 18.00 45.00	78.29
22 05 76 00-0044	EA		3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	966.57 18.00 45.00	98.01
22 05 76 00-0045	EA		4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,122.34 18.00 45.00	118.61
22 05 76 00-0046	EA		6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,307.27 18.00 45.00	143.77
22 05 76 00-0047			Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0036)		
22 05 76 00-0048	EA		2" Cleanout Tee With Cast Bronze Screw Plug	428.28	64.01
22 05 76 00-0049	EA		3" Cleanout Tee With Cast Bronze Screw Plug	478.23	69.90
22 05 76 00-0050	EA		4" Cleanout Tee With Cast Bronze Screw Plug	636.93	91.98
22 05 76 00-0051	EA		5" Cleanout Tee With Cast Bronze Screw Plug	946.73	108.90
22 05 76 00-0052	EA		6" Cleanout Tee With Cast Bronze Screw Plug	1,593.91	128.76
22 05 76 00-0053			Removable Cleanout Plug (22 05 76)		
22 05 76 00-0054			Threaded Bronze Plugs (22 05 76 00-0053)		
22 05 76 00-0055	EA		1-1/4", 1-1/2" Or 2" Threaded Bronze Plug <i>For Plug Tapped For Center Screw, Add</i>	88.39 9.50	18.40
22 05 76 00-0056	EA		2-1/2" Threaded Bronze Plug <i>For Plug Tapped For Center Screw, Add</i>	105.38 9.50	20.02
22 05 76 00-0057	EA		3" Threaded Bronze Plug <i>For Plug Tapped For Center Screw, Add</i>	177.59 9.50	22.08
22 05 76 00-0058	EA		3-1/2" Threaded Bronze Plug <i>For Plug Tapped For Center Screw, Add</i>	199.00 9.50	25.75
22 05 76 00-0059	EA		4" Threaded Bronze Plug <i>For Plug Tapped For Center Screw, Add</i>	225.08 9.50	29.43
22 05 76 00-0060	EA		5" Threaded Bronze Plug <i>For Plug Tapped For Center Screw, Add</i>	314.33 9.50	33.11
22 05 76 00-0061	EA		6" Threaded Bronze Plug <i>For Plug Tapped For Center Screw, Add</i>	459.73 9.50	36.79
22 05 76 00-0062	EA		8" Threaded Bronze Plug <i>For Plug Tapped For Center Screw, Add</i>	771.11 9.50	40.47
22 05 76 00-0063	EA		10" Threaded Bronze Plug <i>For Plug Tapped For Center Screw, Add</i>	1,106.00 9.50	44.15
22 05 76 00-0064			Threaded Brass Plugs (22 05 76 00-0053)		
22 05 76 00-0065	EA		1-1/2" Threaded Brass Plug, Raised Head <i>For Plug Tapped For Center Screw, Add</i>	40.12 9.50	18.39
22 05 76 00-0066	EA		2" Threaded Brass Plug, Raised Head <i>For Plug Tapped For Center Screw, Add</i>	40.69 9.50	18.39
22 05 76 00-0067	EA		2-1/2" Threaded Brass Plug, Raised Head <i>For Plug Tapped For Center Screw, Add</i>	44.30 9.50	20.01
22 05 76 00-0068	EA		3" Threaded Brass Plug, Raised Head <i>For Plug Tapped For Center Screw, Add</i>	49.98 9.50	22.07
22 05 76 00-0069	EA		3-1/2" Threaded Brass Plug, Raised Head <i>For Plug Tapped For Center Screw, Add</i>	58.91 9.50	25.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0070 EA 4" Threaded Brass Plug, Raised Head	68.89	29.43
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0071 EA 4-1/2" Threaded Brass Plug, Raised Head	73.86	31.00
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0072 EA 5" Threaded Brass Plug, Raised Head	79.20	33.11
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0073 EA 6" Threaded Brass Plug, Raised Head	100.58	36.79
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0074 EA 1-1/2" Threaded Brass Plug, Countersunk Head	39.66	18.39
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0075 EA 2" Threaded Brass Plug, Countersunk Head	40.30	18.39
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0076 EA 2-1/2" Threaded Brass Plug, Countersunk Head	45.56	20.01
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0077 EA 3" Threaded Brass Plug, Countersunk Head	50.16	22.08
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0078 EA 3-1/2" Threaded Brass Plug, Countersunk Head	58.36	25.75
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0079 EA 4" Threaded Brass Plug, Countersunk Head	68.03	29.43
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0080 EA 5" Threaded Brass Plug, Countersunk Head	78.73	33.11
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0081 EA 6" Threaded Brass Plug, Countersunk Head	93.05	36.79
For Plug Tapped For Center Screw, Add	9.50	

22 07 Plumbing Insulation ⁽²²⁾

22 07 16 Plumbing Equipment Insulation ^(22 07)

22 07 16 00-0001 Lavatory Insulation ^(22 07 16)		
22 07 16 00-0002 EA Neoprene Insulation Kit For Under Lavatories	327.63	30.89

22 07 19 Plumbing Piping Insulation ^(22 07)

22 07 19 00-0001 Fiberglass (Glass Fiber) Pipe Insulation ^(22 07 19)		
<p>Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.</p>		
22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation ^(22 07 19 00-0001)		
22 07 19 00-0003 LF 1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.71	3.02
For Single Layer Of Felt Finish, Add	0.16	
For Work In Restricted Working Space, Add	2.45	
22 07 19 00-0004 LF 3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.88	3.02
For Single Layer Of Felt Finish, Add	0.18	
For Work In Restricted Working Space, Add	2.45	
22 07 19 00-0005 LF 1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.49	3.16
For Single Layer Of Felt Finish, Add	0.19	
For Work In Restricted Working Space, Add	2.60	
22 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.84	3.30
For Single Layer Of Felt Finish, Add	0.21	
For Work In Restricted Working Space, Add	2.65	
22 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.13	3.30
For Single Layer Of Felt Finish, Add	0.22	
For Work In Restricted Working Space, Add	2.70	
22 07 19 00-0008 LF 2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.77	3.43
For Single Layer Of Felt Finish, Add	0.24	
For Work In Restricted Working Space, Add	2.84	
22 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.28	3.57
For Single Layer Of Felt Finish, Add	0.28	
For Work In Restricted Working Space, Add	2.90	
22 07 19 00-0010 LF 3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.91	3.71
For Single Layer Of Felt Finish, Add	0.31	
For Work In Restricted Working Space, Add	2.99	
22 07 19 00-0011 LF 4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.55	3.98
For Single Layer Of Felt Finish, Add	0.40	
For Work In Restricted Working Space, Add	3.23	
22 07 19 00-0012 LF 6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.15	4.67
For Single Layer Of Felt Finish, Add	0.48	
For Work In Restricted Working Space, Add	3.77	
22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation ^(22 07 19 00-0001)		
22 07 19 00-0014 LF 1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.11	4.11
For Single Layer Of Felt Finish, Add	0.19	
For Work In Restricted Working Space, Add	3.38	
22 07 19 00-0015 LF 3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.38	4.11
For Single Layer Of Felt Finish, Add	0.22	
For Work In Restricted Working Space, Add	3.38	

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0016	LF	1"	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.58 0.22 3.43	4.11
22 07 19 00-0017	LF	1-1/4"	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.03 0.25 3.48	4.25
22 07 19 00-0018	LF	1-1/2"	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.38 0.27 3.53	4.25
22 07 19 00-0019	LF	2"	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.93 0.30 3.63	4.40
22 07 19 00-0020	LF	2-1/2"	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.72 0.33 3.77	4.67
22 07 19 00-0021	LF	3"	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.45 0.37 3.87	4.81
22 07 19 00-0022	LF	4"	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.45 0.48 4.17	5.08
22 07 19 00-0023	LF	6"	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.26 0.59 4.70	5.90
22 07 19 00-0024	LF	8"	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.95 0.84 5.39	6.59
22 07 19 00-0025	LF	10"	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.55 0.98 6.37	7.83
22 07 19 00-0026	LF	12"	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.08 1.11 7.35	8.92
22 07 19 00-0027	LF	14"	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.64 1.29 7.61	9.75
22 07 19 00-0028			1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0029	LF	1/2"	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.48 0.39 3.53	4.24
22 07 19 00-0030	LF	3/4"	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.64 0.41 3.53	4.24
22 07 19 00-0031	LF	1"	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.54 0.43 3.74	4.49
22 07 19 00-0032	LF	1-1/4"	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.08 0.46 3.80	4.59
22 07 19 00-0033	LF	1-1/2"	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.55 0.49 3.87	4.67
22 07 19 00-0034	LF	2"	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.69 0.53 4.09	4.92
22 07 19 00-0035	LF	2-1/2"	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.43 0.58 4.16	5.00
22 07 19 00-0036	LF	3"	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.06 0.60 4.30	5.18
22 07 19 00-0037	LF	4"	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.07 0.69 4.65	5.60
22 07 19 00-0038	LF	6"	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.58 0.79 5.43	6.54
22 07 19 00-0039	LF	8"	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.48 0.98 5.73	6.89
22 07 19 00-0040	LF	10"	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.69 1.24 6.86	8.25
22 07 19 00-0041	LF	12"	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.51 1.35 7.99	9.61
22 07 19 00-0042	LF	14"	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.09 1.57 8.75	10.53
22 07 19 00-0043			2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0044 LF 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.75	4.67
<i>For Single Layer Of Felt Finish, Add</i>	0.61	
<i>For Work In Restricted Working Space, Add</i>	3.87	
22 07 19 00-0045 LF 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.95	4.67
<i>For Single Layer Of Felt Finish, Add</i>	0.63	
<i>For Work In Restricted Working Space, Add</i>	3.87	
22 07 19 00-0046 LF 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.54	4.81
<i>For Single Layer Of Felt Finish, Add</i>	0.68	
<i>For Work In Restricted Working Space, Add</i>	3.92	
22 07 19 00-0047 LF 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.06	4.81
<i>For Single Layer Of Felt Finish, Add</i>	0.72	
<i>For Work In Restricted Working Space, Add</i>	3.97	
22 07 19 00-0048 LF 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.61	4.94
<i>For Single Layer Of Felt Finish, Add</i>	0.76	
<i>For Work In Restricted Working Space, Add</i>	4.02	
22 07 19 00-0049 LF 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.38	5.08
<i>For Single Layer Of Felt Finish, Add</i>	0.79	
<i>For Work In Restricted Working Space, Add</i>	4.17	
22 07 19 00-0050 LF 2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.43	5.22
<i>For Single Layer Of Felt Finish, Add</i>	0.85	
<i>For Work In Restricted Working Space, Add</i>	4.31	
22 07 19 00-0051 LF 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.56	5.49
<i>For Single Layer Of Felt Finish, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	4.46	
22 07 19 00-0052 LF 4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.63	5.76
<i>For Single Layer Of Felt Finish, Add</i>	1.04	
<i>For Work In Restricted Working Space, Add</i>	4.71	
22 07 19 00-0053 LF 6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.37	6.77
<i>For Single Layer Of Felt Finish, Add</i>	1.21	
<i>For Work In Restricted Working Space, Add</i>	5.65	
22 07 19 00-0054 LF 8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.15	7.15
<i>For Single Layer Of Felt Finish, Add</i>	1.50	
<i>For Work In Restricted Working Space, Add</i>	5.96	
22 07 19 00-0055 LF 10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	40.87	8.55
<i>For Single Layer Of Felt Finish, Add</i>	1.79	
<i>For Work In Restricted Working Space, Add</i>	7.13	
22 07 19 00-0056 LF 12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	47.24	10.26
<i>For Single Layer Of Felt Finish, Add</i>	1.97	
<i>For Work In Restricted Working Space, Add</i>	8.54	
22 07 19 00-0057 LF 14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	60.95	11.18
<i>For Single Layer Of Felt Finish, Add</i>	2.23	
<i>For Work In Restricted Working Space, Add</i>	11.92	
22 07 19 00-0058 LF 16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	63.89	13.12
<i>For Single Layer Of Felt Finish, Add</i>	2.54	
<i>For Work In Restricted Working Space, Add</i>	11.92	
22 07 19 00-0059 LF 18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	70.42	13.77
<i>For Single Layer Of Felt Finish, Add</i>	3.01	
<i>For Work In Restricted Working Space, Add</i>	12.51	
22 07 19 00-0060 LF 20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	79.89	15.73
<i>For Single Layer Of Felt Finish, Add</i>	3.38	
<i>For Work In Restricted Working Space, Add</i>	14.30	
22 07 19 00-0061 LF 24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	93.31	19.01
<i>For Single Layer Of Felt Finish, Add</i>	3.75	
<i>For Work In Restricted Working Space, Add</i>	17.28	
22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0001)</small>		
22 07 19 00-0063 LF 1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.02	5.49
<i>For Single Layer Of Felt Finish, Add</i>	0.85	
<i>For Work In Restricted Working Space, Add</i>	4.47	
22 07 19 00-0064 LF 3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.30	5.49
<i>For Single Layer Of Felt Finish, Add</i>	0.88	
<i>For Work In Restricted Working Space, Add</i>	4.47	
22 07 19 00-0065 LF 1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.14	5.49
<i>For Single Layer Of Felt Finish, Add</i>	0.95	
<i>For Work In Restricted Working Space, Add</i>	4.54	
22 07 19 00-0066 LF 1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.76	5.63
<i>For Single Layer Of Felt Finish, Add</i>	1.00	
<i>For Work In Restricted Working Space, Add</i>	4.58	
22 07 19 00-0067 LF 1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.40	5.63
<i>For Single Layer Of Felt Finish, Add</i>	1.05	
<i>For Work In Restricted Working Space, Add</i>	4.61	
22 07 19 00-0068 LF 2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.45	5.90
<i>For Single Layer Of Felt Finish, Add</i>	1.10	
<i>For Work In Restricted Working Space, Add</i>	4.80	
22 07 19 00-0069 LF 2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.87	6.04
<i>For Single Layer Of Felt Finish, Add</i>	1.19	
<i>For Work In Restricted Working Space, Add</i>	4.97	
22 07 19 00-0070 LF 3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.18	6.32
<i>For Single Layer Of Felt Finish, Add</i>	1.27	
<i>For Work In Restricted Working Space, Add</i>	5.14	
22 07 19 00-0071 LF 4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.08	6.59
<i>For Single Layer Of Felt Finish, Add</i>	1.47	
<i>For Work In Restricted Working Space, Add</i>	5.42	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0072	LF		6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.74	7.00
			<i>For Single Layer Of Felt Finish, Add</i>	1.70	
			<i>For Work In Restricted Working Space, Add</i>	6.16	
22 07 19 00-0073	LF		8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	48.11	8.38
			<i>For Single Layer Of Felt Finish, Add</i>	2.65	
			<i>For Work In Restricted Working Space, Add</i>	6.86	
22 07 19 00-0074	LF		10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	57.26	9.61
			<i>For Single Layer Of Felt Finish, Add</i>	3.24	
			<i>For Work In Restricted Working Space, Add</i>	7.91	
22 07 19 00-0075	LF		12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	65.68	11.94
			<i>For Single Layer Of Felt Finish, Add</i>	3.45	
			<i>For Work In Restricted Working Space, Add</i>	9.84	
22 07 19 00-0076	LF		14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	74.00	13.18
			<i>For Single Layer Of Felt Finish, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	10.74	
22 07 19 00-0077	LF		16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	87.84	16.75
			<i>For Single Layer Of Felt Finish, Add</i>	4.42	
			<i>For Work In Restricted Working Space, Add</i>	13.73	
22 07 19 00-0078	LF		18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	94.23	17.57
			<i>For Single Layer Of Felt Finish, Add</i>	4.85	
			<i>For Work In Restricted Working Space, Add</i>	14.42	
22 07 19 00-0079	LF		20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	107.02	20.05
			<i>For Single Layer Of Felt Finish, Add</i>	5.47	
			<i>For Work In Restricted Working Space, Add</i>	16.48	
22 07 19 00-0080	LF		24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	126.25	24.22
			<i>For Single Layer Of Felt Finish, Add</i>	6.29	
			<i>For Work In Restricted Working Space, Add</i>	19.91	
22 07 19 00-0081			3" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0001)</small>		
22 07 19 00-0082	LF		1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.39	6.07
			<i>For Single Layer Of Felt Finish, Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	4.94	
22 07 19 00-0083	LF		3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.70	6.07
			<i>For Single Layer Of Felt Finish, Add</i>	0.97	
			<i>For Work In Restricted Working Space, Add</i>	4.94	
22 07 19 00-0084	LF		1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.55	6.13
			<i>For Single Layer Of Felt Finish, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	5.00	
22 07 19 00-0085	LF		1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.21	6.17
			<i>For Single Layer Of Felt Finish, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	5.03	
22 07 19 00-0086	LF		1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.96	6.24
			<i>For Single Layer Of Felt Finish, Add</i>	1.16	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
22 07 19 00-0087	LF		2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.05	6.47
			<i>For Single Layer Of Felt Finish, Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	5.27	
22 07 19 00-0088	LF		2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.60	6.69
			<i>For Single Layer Of Felt Finish, Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	5.45	
22 07 19 00-0089	LF		3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.04	6.93
			<i>For Single Layer Of Felt Finish, Add</i>	1.39	
			<i>For Work In Restricted Working Space, Add</i>	5.65	
22 07 19 00-0090	LF		4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.26	7.32
			<i>For Single Layer Of Felt Finish, Add</i>	1.62	
			<i>For Work In Restricted Working Space, Add</i>	5.96	
22 07 19 00-0091	LF		6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	40.37	8.31
			<i>For Single Layer Of Felt Finish, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 07 19 00-0092	LF		8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	52.85	9.25
			<i>For Single Layer Of Felt Finish, Add</i>	2.91	
			<i>For Work In Restricted Working Space, Add</i>	7.55	
22 07 19 00-0093	LF		10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	62.91	10.68
			<i>For Single Layer Of Felt Finish, Add</i>	3.56	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
22 07 19 00-0094	LF		12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	72.17	13.28
			<i>For Single Layer Of Felt Finish, Add</i>	3.79	
			<i>For Work In Restricted Working Space, Add</i>	10.82	
22 07 19 00-0095	LF		14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	81.31	14.49
			<i>For Single Layer Of Felt Finish, Add</i>	4.40	
			<i>For Work In Restricted Working Space, Add</i>	11.82	
22 07 19 00-0096	LF		16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	96.52	18.52
			<i>For Single Layer Of Felt Finish, Add</i>	4.85	
			<i>For Work In Restricted Working Space, Add</i>	15.10	
22 07 19 00-0097	LF		18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	103.53	19.45
			<i>For Single Layer Of Felt Finish, Add</i>	5.32	
			<i>For Work In Restricted Working Space, Add</i>	15.86	
22 07 19 00-0098	LF		20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	117.61	22.24
			<i>For Single Layer Of Felt Finish, Add</i>	6.00	
			<i>For Work In Restricted Working Space, Add</i>	18.13	
22 07 19 00-0099	LF		24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	138.72	26.85
			<i>For Single Layer Of Felt Finish, Add</i>	6.90	
			<i>For Work In Restricted Working Space, Add</i>	21.90	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0100				3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
			LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.44	6.59
				<i>For Single Layer Of Felt Finish, Add</i>	0.98	
				<i>For Work In Restricted Working Space, Add</i>	5.42	
			LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.80	6.59
				<i>For Single Layer Of Felt Finish, Add</i>	1.02	
				<i>For Work In Restricted Working Space, Add</i>	5.42	
			LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.99	6.59
				<i>For Single Layer Of Felt Finish, Add</i>	1.14	
				<i>For Work In Restricted Working Space, Add</i>	5.45	
			LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.71	6.73
				<i>For Single Layer Of Felt Finish, Add</i>	1.20	
				<i>For Work In Restricted Working Space, Add</i>	5.49	
			LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.58	6.73
				<i>For Single Layer Of Felt Finish, Add</i>	1.27	
				<i>For Work In Restricted Working Space, Add</i>	5.56	
			LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.69	7.00
				<i>For Single Layer Of Felt Finish, Add</i>	1.32	
				<i>For Work In Restricted Working Space, Add</i>	5.74	
			LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.39	7.27
				<i>For Single Layer Of Felt Finish, Add</i>	1.42	
				<i>For Work In Restricted Working Space, Add</i>	5.95	
			LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.88	7.55
				<i>For Single Layer Of Felt Finish, Add</i>	1.51	
				<i>For Work In Restricted Working Space, Add</i>	6.16	
			LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.53	7.97
				<i>For Single Layer Of Felt Finish, Add</i>	1.77	
				<i>For Work In Restricted Working Space, Add</i>	6.51	
			LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	44.08	9.06
				<i>For Single Layer Of Felt Finish, Add</i>	2.04	
				<i>For Work In Restricted Working Space, Add</i>	7.39	
			LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	57.70	10.02
				<i>For Single Layer Of Felt Finish, Add</i>	3.18	
				<i>For Work In Restricted Working Space, Add</i>	8.23	
			LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	68.71	11.54
				<i>For Single Layer Of Felt Finish, Add</i>	3.89	
				<i>For Work In Restricted Working Space, Add</i>	9.50	
			LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	78.81	14.41
				<i>For Single Layer Of Felt Finish, Add</i>	4.14	
				<i>For Work In Restricted Working Space, Add</i>	11.81	
			LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	88.82	15.79
				<i>For Single Layer Of Felt Finish, Add</i>	4.81	
				<i>For Work In Restricted Working Space, Add</i>	12.89	
			LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	105.44	20.05
				<i>For Single Layer Of Felt Finish, Add</i>	5.30	
				<i>For Work In Restricted Working Space, Add</i>	16.48	
			LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	113.07	21.14
				<i>For Single Layer Of Felt Finish, Add</i>	5.82	
				<i>For Work In Restricted Working Space, Add</i>	17.30	
			LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	128.49	24.16
				<i>For Single Layer Of Felt Finish, Add</i>	6.57	
				<i>For Work In Restricted Working Space, Add</i>	19.79	
			LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	151.51	29.11
				<i>For Single Layer Of Felt Finish, Add</i>	7.55	
				<i>For Work In Restricted Working Space, Add</i>	23.89	
22 07 19 00-0119				4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
			LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.02	7.41
				<i>For Single Layer Of Felt Finish, Add</i>	1.15	
				<i>For Work In Restricted Working Space, Add</i>	6.02	
			LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.41	7.41
				<i>For Single Layer Of Felt Finish, Add</i>	1.19	
				<i>For Work In Restricted Working Space, Add</i>	6.02	
			LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.57	7.41
				<i>For Single Layer Of Felt Finish, Add</i>	1.28	
				<i>For Work In Restricted Working Space, Add</i>	6.12	
			LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.49	7.55
				<i>For Single Layer Of Felt Finish, Add</i>	1.35	
				<i>For Work In Restricted Working Space, Add</i>	6.19	
			LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.84	7.83
				<i>For Single Layer Of Felt Finish, Add</i>	1.42	
				<i>For Work In Restricted Working Space, Add</i>	6.39	
			LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.08	8.10
				<i>For Single Layer Of Felt Finish, Add</i>	1.48	
				<i>For Work In Restricted Working Space, Add</i>	6.59	
			LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.56	8.10
				<i>For Single Layer Of Felt Finish, Add</i>	1.60	
				<i>For Work In Restricted Working Space, Add</i>	6.69	
			LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.37	8.51
				<i>For Single Layer Of Felt Finish, Add</i>	1.71	
				<i>For Work In Restricted Working Space, Add</i>	6.93	

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0128	LF	4"	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....43.31 For Single Layer Of Felt Finish, Add 1.99 For Work In Restricted Working Space, Add 7.32	43.31	8.92
22 07 19 00-0129	LF	6"	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....49.57 For Single Layer Of Felt Finish, Add 2.30 For Work In Restricted Working Space, Add 8.30	49.57	10.16
22 07 19 00-0130	LF	8"	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....64.92 For Single Layer Of Felt Finish, Add 3.58 For Work In Restricted Working Space, Add 9.26	64.92	10.98
22 07 19 00-0131	LF	10"	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....77.32 For Single Layer Of Felt Finish, Add 4.38 For Work In Restricted Working Space, Add 10.70	77.32	13.05
22 07 19 00-0132	LF	12"	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....88.68 For Single Layer Of Felt Finish, Add 4.66 For Work In Restricted Working Space, Add 13.28	88.68	16.20
22 07 19 00-0133	LF	14"	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....99.95 For Single Layer Of Felt Finish, Add 5.42 For Work In Restricted Working Space, Add 14.51	99.95	17.71
22 07 19 00-0134	LF	16"	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....118.67 For Single Layer Of Felt Finish, Add 5.97 For Work In Restricted Working Space, Add 18.55	118.67	22.65
22 07 19 00-0135	LF	18"	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....127.14 For Single Layer Of Felt Finish, Add 6.55 For Work In Restricted Working Space, Add 19.44	127.14	23.75
22 07 19 00-0136	LF	20"	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....142.91 For Single Layer Of Felt Finish, Add 7.22 For Work In Restricted Working Space, Add 22.25	142.91	27.19
22 07 19 00-0137	LF	24"	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....170.48 For Single Layer Of Felt Finish, Add 8.49 For Work In Restricted Working Space, Add 26.88	170.48	32.81
22 07 19 00-0138	LF	26"	26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....195.33 For Single Layer Of Felt Finish, Add 9.42 For Work In Restricted Working Space, Add 31.68	195.33	38.71
22 07 19 00-0139	LF	28"	28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....221.30 For Single Layer Of Felt Finish, Add 10.18 For Work In Restricted Working Space, Add 37.31	221.30	45.58
22 07 19 00-0140	LF	30"	30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....251.03 For Single Layer Of Felt Finish, Add 10.89 For Work In Restricted Working Space, Add 44.19	251.03	53.82
22 07 19 00-0141	LF	36"	36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....305.15 For Single Layer Of Felt Finish, Add 12.37 For Work In Restricted Working Space, Add 56.19	305.15	68.42
22 07 19 00-0142	LF	42"	42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....359.26 For Single Layer Of Felt Finish, Add 13.86 For Work In Restricted Working Space, Add 68.19	359.26	83.33
22 07 19 00-0143	LF	44"	44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....387.59 For Single Layer Of Felt Finish, Add 14.39 For Work In Restricted Working Space, Add 75.16	387.59	91.57
22 07 19 00-0144	LF	46"	46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....412.82 For Single Layer Of Felt Finish, Add 14.97 For Work In Restricted Working Space, Add 81.08	412.82	98.57
22 07 19 00-0145			4-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0146	LF	1/2"	1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....34.02 For Single Layer Of Felt Finish, Add 1.31 For Work In Restricted Working Space, Add 6.47	34.02	7.97
22 07 19 00-0147	LF	3/4"	3/4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....34.47 For Single Layer Of Felt Finish, Add 1.36 For Work In Restricted Working Space, Add 6.47	34.47	7.97
22 07 19 00-0148	LF	1"	1" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....35.77 For Single Layer Of Felt Finish, Add 1.45 For Work In Restricted Working Space, Add 6.58	35.77	7.97
22 07 19 00-0149	LF	1-1/4"	1-1/4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....36.82 For Single Layer Of Felt Finish, Add 1.54 For Work In Restricted Working Space, Add 6.66	36.82	8.12
22 07 19 00-0150	LF	1-1/2"	1-1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....38.29 For Single Layer Of Felt Finish, Add 1.62 For Work In Restricted Working Space, Add 6.86	38.29	8.41
22 07 19 00-0151	LF	2"	2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....39.68 For Single Layer Of Felt Finish, Add 1.69 For Work In Restricted Working Space, Add 7.08	39.68	8.71
22 07 19 00-0152	LF	2-1/2"	2-1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....41.34 For Single Layer Of Felt Finish, Add 1.82 For Work In Restricted Working Space, Add 7.19	41.34	8.71
22 07 19 00-0153	LF	3"	3" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....43.35 For Single Layer Of Felt Finish, Add 1.94 For Work In Restricted Working Space, Add 7.45	43.35	9.15
22 07 19 00-0154	LF	4"	4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....47.74 For Single Layer Of Felt Finish, Add 2.26 For Work In Restricted Working Space, Add 7.87	47.74	9.60
22 07 19 00-0155	LF	6"	6" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....54.66 For Single Layer Of Felt Finish, Add 2.62 For Work In Restricted Working Space, Add 8.93	54.66	10.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0156 LF 8" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	71.91	11.81
<i>For Single Layer Of Felt Finish, Add</i>	4.07	
<i>For Work In Restricted Working Space, Add</i>	9.95	
22 07 19 00-0157 LF 10" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	85.74	14.02
<i>For Single Layer Of Felt Finish, Add</i>	4.98	
<i>For Work In Restricted Working Space, Add</i>	11.50	
22 07 19 00-0158 LF 12" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	98.10	17.41
<i>For Single Layer Of Felt Finish, Add</i>	5.30	
<i>For Work In Restricted Working Space, Add</i>	14.28	
22 07 19 00-0159 LF 14" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	110.67	19.04
<i>For Single Layer Of Felt Finish, Add</i>	6.16	
<i>For Work In Restricted Working Space, Add</i>	15.60	
22 07 19 00-0160 LF 16" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	131.13	24.35
<i>For Single Layer Of Felt Finish, Add</i>	6.79	
<i>For Work In Restricted Working Space, Add</i>	19.94	
22 07 19 00-0161 LF 18" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	140.59	25.53
<i>For Single Layer Of Felt Finish, Add</i>	7.45	
<i>For Work In Restricted Working Space, Add</i>	20.90	
22 07 19 00-0162 LF 20" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	157.92	29.22
<i>For Single Layer Of Felt Finish, Add</i>	8.21	
<i>For Work In Restricted Working Space, Add</i>	23.92	
22 07 19 00-0163 LF 24" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	188.32	35.27
<i>For Single Layer Of Felt Finish, Add</i>	9.66	
<i>For Work In Restricted Working Space, Add</i>	28.90	
22 07 19 00-0164 LF 26" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	215.62	41.62
<i>For Single Layer Of Felt Finish, Add</i>	10.72	
<i>For Work In Restricted Working Space, Add</i>	34.06	
22 07 19 00-0165 LF 28" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	243.96	48.99
<i>For Single Layer Of Felt Finish, Add</i>	11.58	
<i>For Work In Restricted Working Space, Add</i>	40.10	
22 07 19 00-0166 LF 30" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	276.36	57.85
<i>For Single Layer Of Felt Finish, Add</i>	12.39	
<i>For Work In Restricted Working Space, Add</i>	47.50	
22 07 19 00-0167 LF 36" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	335.42	73.55
<i>For Single Layer Of Felt Finish, Add</i>	14.08	
<i>For Work In Restricted Working Space, Add</i>	60.40	
22 07 19 00-0168 LF 42" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	394.48	89.59
<i>For Single Layer Of Felt Finish, Add</i>	15.76	
<i>For Work In Restricted Working Space, Add</i>	73.30	
22 07 19 00-0169 LF 44" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	425.24	98.44
<i>For Single Layer Of Felt Finish, Add</i>	16.37	
<i>For Work In Restricted Working Space, Add</i>	80.79	
22 07 19 00-0170 LF 46" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	452.71	105.96
<i>For Single Layer Of Felt Finish, Add</i>	17.03	
<i>For Work In Restricted Working Space, Add</i>	87.15	
22 07 19 00-0171 5" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0172 LF 1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.73	8.77
<i>For Single Layer Of Felt Finish, Add</i>	1.47	
<i>For Work In Restricted Working Space, Add</i>	7.11	
22 07 19 00-0173 LF 3/4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.23	8.77
<i>For Single Layer Of Felt Finish, Add</i>	1.52	
<i>For Work In Restricted Working Space, Add</i>	7.11	
22 07 19 00-0174 LF 1" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.68	8.77
<i>For Single Layer Of Felt Finish, Add</i>	1.63	
<i>For Work In Restricted Working Space, Add</i>	7.24	
22 07 19 00-0175 LF 1-1/4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	40.86	8.93
<i>For Single Layer Of Felt Finish, Add</i>	1.73	
<i>For Work In Restricted Working Space, Add</i>	7.32	
22 07 19 00-0176 LF 1-1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.52	9.25
<i>For Single Layer Of Felt Finish, Add</i>	1.82	
<i>For Work In Restricted Working Space, Add</i>	7.55	
22 07 19 00-0177 LF 2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	44.03	9.58
<i>For Single Layer Of Felt Finish, Add</i>	1.90	
<i>For Work In Restricted Working Space, Add</i>	7.79	
22 07 19 00-0178 LF 2-1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.91	9.58
<i>For Single Layer Of Felt Finish, Add</i>	2.05	
<i>For Work In Restricted Working Space, Add</i>	7.91	
22 07 19 00-0179 LF 3" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	48.16	10.07
<i>For Single Layer Of Felt Finish, Add</i>	2.19	
<i>For Work In Restricted Working Space, Add</i>	8.20	
22 07 19 00-0180 LF 4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	53.06	10.55
<i>For Single Layer Of Felt Finish, Add</i>	2.54	
<i>For Work In Restricted Working Space, Add</i>	8.66	
22 07 19 00-0181 LF 6" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	60.76	12.01
<i>For Single Layer Of Felt Finish, Add</i>	2.94	
<i>For Work In Restricted Working Space, Add</i>	9.82	
22 07 19 00-0182 LF 8" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	80.06	12.98
<i>For Single Layer Of Felt Finish, Add</i>	4.57	
<i>For Work In Restricted Working Space, Add</i>	10.95	
22 07 19 00-0183 LF 10" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	95.49	15.42
<i>For Single Layer Of Felt Finish, Add</i>	5.60	
<i>For Work In Restricted Working Space, Add</i>	12.65	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0184	LF		12" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	109.19	19.16
			<i>For Single Layer Of Felt Finish, Add</i>	5.97	
			<i>For Work In Restricted Working Space, Add</i>	15.71	
22 07 19 00-0185	LF		14" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	123.20	20.94
			<i>For Single Layer Of Felt Finish, Add</i>	6.93	
			<i>For Work In Restricted Working Space, Add</i>	17.16	
22 07 19 00-0186	LF		16" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	145.86	26.78
			<i>For Single Layer Of Felt Finish, Add</i>	7.64	
			<i>For Work In Restricted Working Space, Add</i>	21.94	
22 07 19 00-0187	LF		18" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	156.42	28.08
			<i>For Single Layer Of Felt Finish, Add</i>	8.38	
			<i>For Work In Restricted Working Space, Add</i>	22.99	
22 07 19 00-0188	LF		20" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	175.67	32.15
			<i>For Single Layer Of Felt Finish, Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	26.31	
22 07 19 00-0189	LF		24" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	209.46	38.80
			<i>For Single Layer Of Felt Finish, Add</i>	10.87	
			<i>For Work In Restricted Working Space, Add</i>	31.79	
22 07 19 00-0190	LF		26" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	239.72	45.78
			<i>For Single Layer Of Felt Finish, Add</i>	12.06	
			<i>For Work In Restricted Working Space, Add</i>	37.46	
22 07 19 00-0191	LF		28" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	271.13	53.90
			<i>For Single Layer Of Felt Finish, Add</i>	13.03	
			<i>For Work In Restricted Working Space, Add</i>	44.12	
22 07 19 00-0192	LF		30" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	306.97	63.64
			<i>For Single Layer Of Felt Finish, Add</i>	13.94	
			<i>For Work In Restricted Working Space, Add</i>	52.26	
22 07 19 00-0193	LF		36" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	372.32	80.91
			<i>For Single Layer Of Felt Finish, Add</i>	15.84	
			<i>For Work In Restricted Working Space, Add</i>	66.44	
22 07 19 00-0194	LF		42" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	437.69	98.54
			<i>For Single Layer Of Felt Finish, Add</i>	17.74	
			<i>For Work In Restricted Working Space, Add</i>	80.63	
22 07 19 00-0195	LF		44" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	471.67	108.28
			<i>For Single Layer Of Felt Finish, Add</i>	18.42	
			<i>For Work In Restricted Working Space, Add</i>	88.87	
22 07 19 00-0196	LF		46" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	502.05	116.56
			<i>For Single Layer Of Felt Finish, Add</i>	19.16	
			<i>For Work In Restricted Working Space, Add</i>	95.87	
22 07 19 00-0197			Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell <small>(22 07 19)</small>		
			Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0198			1" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0197)</small>		
22 07 19 00-0199	LF		1/2" Diameter Pipe, 1" Thick Foamglas Insulation	23.12	6.70
			<i>For Work In Restricted Working Space, Add</i>	6.09	
22 07 19 00-0200	LF		3/4" Diameter Pipe, 1" Thick Foamglas Insulation	23.84	6.70
			<i>For Work In Restricted Working Space, Add</i>	6.09	
22 07 19 00-0201	LF		1" Diameter Pipe, 1" Thick Foamglas Insulation	24.86	6.80
			<i>For Work In Restricted Working Space, Add</i>	6.17	
22 07 19 00-0202	LF		1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	25.40	6.89
			<i>For Work In Restricted Working Space, Add</i>	6.26	
22 07 19 00-0203	LF		1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	26.18	6.99
			<i>For Work In Restricted Working Space, Add</i>	6.35	
22 07 19 00-0204	LF		2" Diameter Pipe, 1" Thick Foamglas Insulation	27.69	7.18
			<i>For Work In Restricted Working Space, Add</i>	6.53	
22 07 19 00-0205	LF		2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	29.62	7.48
			<i>For Work In Restricted Working Space, Add</i>	6.80	
22 07 19 00-0206	LF		3" Diameter Pipe, 1" Thick Foamglas Insulation	31.60	7.67
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 07 19 00-0207	LF		4" Diameter Pipe, 1" Thick Foamglas Insulation	36.02	8.25
			<i>For Work In Restricted Working Space, Add</i>	7.50	
22 07 19 00-0208	LF		6" Diameter Pipe, 1" Thick Foamglas Insulation	44.86	9.30
			<i>For Work In Restricted Working Space, Add</i>	8.47	
22 07 19 00-0209			1-1/2" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0197)</small>		
22 07 19 00-0210	LF		1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	26.78	7.42
			<i>For Work In Restricted Working Space, Add</i>	6.53	
22 07 19 00-0211	LF		3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	27.23	7.42
			<i>For Work In Restricted Working Space, Add</i>	6.53	
22 07 19 00-0212	LF		1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	27.97	7.52
			<i>For Work In Restricted Working Space, Add</i>	6.62	
22 07 19 00-0213	LF		1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	28.59	7.62
			<i>For Work In Restricted Working Space, Add</i>	6.71	
22 07 19 00-0214	LF		1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	29.17	7.72
			<i>For Work In Restricted Working Space, Add</i>	6.80	
22 07 19 00-0215	LF		2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	31.33	7.98
			<i>For Work In Restricted Working Space, Add</i>	7.02	
22 07 19 00-0216	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	34.87	8.28
			<i>For Work In Restricted Working Space, Add</i>	7.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0217 LF 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	38.01	8.53
For Work In Restricted Working Space, Add	7.50	
22 07 19 00-0218 LF 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	42.59	9.07
For Work In Restricted Working Space, Add	7.99	
22 07 19 00-0219 LF 6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	49.82	10.28
For Work In Restricted Working Space, Add	9.04	
22 07 19 00-0220 LF 8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	55.70	11.47
For Work In Restricted Working Space, Add	10.09	
22 07 19 00-0221 LF 10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	67.03	13.22
For Work In Restricted Working Space, Add	11.63	
22 07 19 00-0222 LF 12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	80.12	16.43
For Work In Restricted Working Space, Add	14.45	
22 07 19 00-0223 LF 14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	88.71	17.28
For Work In Restricted Working Space, Add	15.71	
22 07 19 00-0224 LF 16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	97.89	19.30
For Work In Restricted Working Space, Add	17.55	
22 07 19 00-0225 LF 18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	111.71	22.83
For Work In Restricted Working Space, Add	20.76	
22 07 19 00-0226 LF 20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	124.61	25.28
For Work In Restricted Working Space, Add	22.98	
22 07 19 00-0227 LF 24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	152.72	28.00
For Work In Restricted Working Space, Add	25.46	
22 07 19 00-0228 2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0229 LF 1/2" Diameter Pipe, 2" Thick Foamglas Insulation	29.77	7.67
For Work In Restricted Working Space, Add	6.98	
22 07 19 00-0230 LF 3/4" Diameter Pipe, 2" Thick Foamglas Insulation	30.48	7.67
For Work In Restricted Working Space, Add	6.98	
22 07 19 00-0231 LF 1" Diameter Pipe, 2" Thick Foamglas Insulation	31.47	7.75
For Work In Restricted Working Space, Add	7.06	
22 07 19 00-0232 LF 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	32.86	7.87
For Work In Restricted Working Space, Add	7.15	
22 07 19 00-0233 LF 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	34.28	7.97
For Work In Restricted Working Space, Add	7.24	
22 07 19 00-0234 LF 2" Diameter Pipe, 2" Thick Foamglas Insulation	37.80	8.25
For Work In Restricted Working Space, Add	7.50	
22 07 19 00-0235 LF 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	39.55	8.55
For Work In Restricted Working Space, Add	7.77	
22 07 19 00-0236 LF 3" Diameter Pipe, 2" Thick Foamglas Insulation	42.17	8.83
For Work In Restricted Working Space, Add	8.03	
22 07 19 00-0237 LF 4" Diameter Pipe, 2" Thick Foamglas Insulation	46.99	9.32
For Work In Restricted Working Space, Add	8.47	
22 07 19 00-0238 LF 6" Diameter Pipe, 2" Thick Foamglas Insulation	55.74	10.58
For Work In Restricted Working Space, Add	9.62	
22 07 19 00-0239 LF 8" Diameter Pipe, 2" Thick Foamglas Insulation	62.08	11.81
For Work In Restricted Working Space, Add	10.73	
22 07 19 00-0240 LF 10" Diameter Pipe, 2" Thick Foamglas Insulation	74.95	13.61
For Work In Restricted Working Space, Add	12.37	
22 07 19 00-0241 LF 12" Diameter Pipe, 2" Thick Foamglas Insulation	92.88	16.92
For Work In Restricted Working Space, Add	15.38	
22 07 19 00-0242 LF 14" Diameter Pipe, 2" Thick Foamglas Insulation	99.54	18.47
For Work In Restricted Working Space, Add	16.78	
22 07 19 00-0243 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation	119.09	23.60
For Work In Restricted Working Space, Add	21.45	
22 07 19 00-0244 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation	129.07	24.78
For Work In Restricted Working Space, Add	22.52	
22 07 19 00-0245 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation	143.52	28.32
For Work In Restricted Working Space, Add	25.75	
22 07 19 00-0246 LF 24" Diameter Pipe, 2" Thick Foamglas Insulation	178.98	34.21
For Work In Restricted Working Space, Add	31.11	
22 07 19 00-0247 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0248 LF 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	35.37	8.32
For Work In Restricted Working Space, Add	7.56	
22 07 19 00-0249 LF 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	36.55	8.31
For Work In Restricted Working Space, Add	7.55	
22 07 19 00-0250 LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	38.18	8.44
For Work In Restricted Working Space, Add	7.68	
22 07 19 00-0251 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	39.56	8.51
For Work In Restricted Working Space, Add	7.73	
22 07 19 00-0252 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	40.98	8.58
For Work In Restricted Working Space, Add	7.80	
22 07 19 00-0253 LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	43.72	8.92
For Work In Restricted Working Space, Add	8.12	
22 07 19 00-0254 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	46.31	9.24
For Work In Restricted Working Space, Add	8.40	
22 07 19 00-0255 LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	49.93	9.56
For Work In Restricted Working Space, Add	8.69	
22 07 19 00-0256 LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	55.46	10.08
For Work In Restricted Working Space, Add	9.17	
22 07 19 00-0257 LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	65.85	11.47
For Work In Restricted Working Space, Add	10.42	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0258	LF		8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	73.37	12.78
			<i>For Work In Restricted Working Space, Add</i>	11.62	
22 07 19 00-0259	LF		10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	83.84	14.73
			<i>For Work In Restricted Working Space, Add</i>	13.40	
22 07 19 00-0260	LF		12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	104.37	18.32
			<i>For Work In Restricted Working Space, Add</i>	16.65	
22 07 19 00-0261	LF		14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	109.53	19.99
			<i>For Work In Restricted Working Space, Add</i>	18.17	
22 07 19 00-0262	LF		16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	130.68	25.55
			<i>For Work In Restricted Working Space, Add</i>	23.23	
22 07 19 00-0263	LF		18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	141.36	26.82
			<i>For Work In Restricted Working Space, Add</i>	24.39	
22 07 19 00-0264	LF		20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	162.39	30.66
			<i>For Work In Restricted Working Space, Add</i>	27.88	
22 07 19 00-0265	LF		24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	202.33	37.05
			<i>For Work In Restricted Working Space, Add</i>	33.68	
22 07 19 00-0266			3" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0267	LF		1/2" Diameter Pipe, 3" Thick Foamglas Insulation	41.80	8.84
			<i>For Work In Restricted Working Space, Add</i>	8.04	
22 07 19 00-0268	LF		3/4" Diameter Pipe, 3" Thick Foamglas Insulation	42.52	8.84
			<i>For Work In Restricted Working Space, Add</i>	8.04	
22 07 19 00-0269	LF		1" Diameter Pipe, 3" Thick Foamglas Insulation	43.68	8.99
			<i>For Work In Restricted Working Space, Add</i>	8.17	
22 07 19 00-0270	LF		1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	44.59	9.04
			<i>For Work In Restricted Working Space, Add</i>	8.23	
22 07 19 00-0271	LF		1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	45.55	9.13
			<i>For Work In Restricted Working Space, Add</i>	8.30	
22 07 19 00-0272	LF		2" Diameter Pipe, 3" Thick Foamglas Insulation	48.71	9.50
			<i>For Work In Restricted Working Space, Add</i>	8.64	
22 07 19 00-0273	LF		2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	51.73	9.83
			<i>For Work In Restricted Working Space, Add</i>	8.93	
22 07 19 00-0274	LF		3" Diameter Pipe, 3" Thick Foamglas Insulation	58.00	10.17
			<i>For Work In Restricted Working Space, Add</i>	9.25	
22 07 19 00-0275	LF		4" Diameter Pipe, 3" Thick Foamglas Insulation	65.53	10.72
			<i>For Work In Restricted Working Space, Add</i>	9.75	
22 07 19 00-0276	LF		6" Diameter Pipe, 3" Thick Foamglas Insulation	72.09	12.19
			<i>For Work In Restricted Working Space, Add</i>	11.08	
22 07 19 00-0277	LF		8" Diameter Pipe, 3" Thick Foamglas Insulation	81.30	13.59
			<i>For Work In Restricted Working Space, Add</i>	12.36	
22 07 19 00-0278	LF		10" Diameter Pipe, 3" Thick Foamglas Insulation	96.58	15.68
			<i>For Work In Restricted Working Space, Add</i>	14.25	
22 07 19 00-0279	LF		12" Diameter Pipe, 3" Thick Foamglas Insulation	113.14	19.48
			<i>For Work In Restricted Working Space, Add</i>	17.71	
22 07 19 00-0280	LF		14" Diameter Pipe, 3" Thick Foamglas Insulation	121.44	21.26
			<i>For Work In Restricted Working Space, Add</i>	19.33	
22 07 19 00-0281	LF		16" Diameter Pipe, 3" Thick Foamglas Insulation	146.34	27.19
			<i>For Work In Restricted Working Space, Add</i>	24.71	
22 07 19 00-0282	LF		18" Diameter Pipe, 3" Thick Foamglas Insulation	156.24	28.54
			<i>For Work In Restricted Working Space, Add</i>	25.95	
22 07 19 00-0283	LF		20" Diameter Pipe, 3" Thick Foamglas Insulation	182.48	32.62
			<i>For Work In Restricted Working Space, Add</i>	29.66	
22 07 19 00-0284	LF		24" Diameter Pipe, 3" Thick Foamglas Insulation	222.74	39.42
			<i>For Work In Restricted Working Space, Add</i>	35.83	
22 07 19 00-0285			3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0286	LF		1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	50.40	10.72
			<i>For Work In Restricted Working Space, Add</i>	9.75	
22 07 19 00-0287	LF		3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	51.30	10.72
			<i>For Work In Restricted Working Space, Add</i>	9.75	
22 07 19 00-0288	LF		1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	52.43	10.79
			<i>For Work In Restricted Working Space, Add</i>	9.82	
22 07 19 00-0289	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	53.53	10.86
			<i>For Work In Restricted Working Space, Add</i>	9.88	
22 07 19 00-0290	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	54.85	10.99
			<i>For Work In Restricted Working Space, Add</i>	10.00	
22 07 19 00-0291	LF		2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	59.81	11.39
			<i>For Work In Restricted Working Space, Add</i>	10.34	
22 07 19 00-0292	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	64.84	11.78
			<i>For Work In Restricted Working Space, Add</i>	10.70	
22 07 19 00-0293	LF		3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	68.31	12.19
			<i>For Work In Restricted Working Space, Add</i>	11.08	
22 07 19 00-0294	LF		4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	73.03	12.89
			<i>For Work In Restricted Working Space, Add</i>	11.72	
22 07 19 00-0295	LF		6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	83.92	14.63
			<i>For Work In Restricted Working Space, Add</i>	13.30	
22 07 19 00-0296	LF		8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	95.17	16.29
			<i>For Work In Restricted Working Space, Add</i>	14.81	
22 07 19 00-0297	LF		10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	113.33	18.81
			<i>For Work In Restricted Working Space, Add</i>	17.10	
22 07 19 00-0298	LF		12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	134.76	23.37
			<i>For Work In Restricted Working Space, Add</i>	21.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0299 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	141.41 23.20	25.52
22 07 19 00-0300 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	171.00 29.66	32.62
22 07 19 00-0301 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	186.77 31.14	34.26
22 07 19 00-0302 LF 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	212.77 35.61	39.17
22 07 19 00-0303 LF 24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	260.69 43.00	47.29
22 07 19 00-0304 4" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0197)</small>		
22 07 19 00-0305 LF 1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	61.44 11.98	13.18
22 07 19 00-0306 LF 3/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	62.61 11.98	13.18
22 07 19 00-0307 LF 1" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	64.47 12.19	13.40
22 07 19 00-0308 LF 1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	66.11 12.33	13.57
22 07 19 00-0309 LF 1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	68.57 12.71	13.99
22 07 19 00-0310 LF 2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	73.58 13.11	14.41
22 07 19 00-0311 LF 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	77.93 13.31	14.64
22 07 19 00-0312 LF 3" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	81.69 13.80	15.19
22 07 19 00-0313 LF 4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	89.52 15.39	16.93
22 07 19 00-0314 LF 6" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	102.54 16.53	18.17
22 07 19 00-0315 LF 8" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	115.19 17.92	19.71
22 07 19 00-0316 LF 10" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	132.54 21.29	23.43
22 07 19 00-0317 LF 12" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	156.07 26.44	29.09
22 07 19 00-0318 LF 14" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	169.82 28.89	31.76
22 07 19 00-0319 LF 16" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	203.64 36.93	40.62
22 07 19 00-0320 LF 18" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	224.69 38.70	42.58
22 07 19 00-0321 LF 20" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	252.59 44.30	48.72
22 07 19 00-0322 LF 24" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	318.28 53.51	58.87
22 07 19 00-0323 Flexible Polyethylene Tubing Closed Cell Foam Insulation <small>(22 07 19)</small>		
Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0324 3/8" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0323)</small>		
22 07 19 00-0325 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.72 2.47	4.10
22 07 19 00-0326 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.73 2.47	4.10
22 07 19 00-0327 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.08 2.55	4.25
22 07 19 00-0328 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.44 2.64	4.40
22 07 19 00-0329 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.77 2.68	4.48
22 07 19 00-0330 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.15 2.73	4.55
22 07 19 00-0331 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.30 2.74	4.55
22 07 19 00-0332 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.72 2.75	4.55
22 07 19 00-0333 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.56 2.83	4.68
22 07 19 00-0334 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.93 2.88	4.77
22 07 19 00-0335 1/2" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0323)</small>		
22 07 19 00-0336 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.66 2.68	4.48
22 07 19 00-0337 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.76 2.70	4.48



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0338	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.92	4.55
		<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-0339	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.09	4.58
		<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0340	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.58	4.68
		<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0341	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.98	4.77
		<i>For Work In Restricted Working Space, Add</i>	2.85	
22 07 19 00-0342	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.45	4.83
		<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0343	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.00	4.90
		<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0344	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.96	5.05
		<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0345	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.94	5.12
		<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-0346	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.88	5.19
		<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-0347	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	15.44	5.26
		<i>For Work In Restricted Working Space, Add</i>	3.16	
22 07 19 00-0348		3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0349	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.73	4.83
		<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0350	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.87	4.90
		<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0351	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.53	5.05
		<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0352	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.83	5.12
		<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-0353	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.65	5.26
		<i>For Work In Restricted Working Space, Add</i>	3.16	
22 07 19 00-0354	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.47	5.34
		<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0355	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.83	5.37
		<i>For Work In Restricted Working Space, Add</i>	3.22	
22 07 19 00-0356	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	15.32	5.41
		<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0357	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	17.38	5.54
		<i>For Work In Restricted Working Space, Add</i>	3.33	
22 07 19 00-0358	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	17.52	5.63
		<i>For Work In Restricted Working Space, Add</i>	3.37	
22 07 19 00-0359	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	19.00	5.69
		<i>For Work In Restricted Working Space, Add</i>	3.42	
22 07 19 00-0360	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	19.63	5.76
		<i>For Work In Restricted Working Space, Add</i>	3.46	
22 07 19 00-0361		1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0362	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.18	5.34
		<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0363	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.48	5.41
		<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0364	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.41	5.54
		<i>For Work In Restricted Working Space, Add</i>	3.33	
22 07 19 00-0365	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.70	5.63
		<i>For Work In Restricted Working Space, Add</i>	3.37	
22 07 19 00-0366	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	15.09	5.76
		<i>For Work In Restricted Working Space, Add</i>	3.46	
22 07 19 00-0367	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	15.79	5.91
		<i>For Work In Restricted Working Space, Add</i>	3.55	
22 07 19 00-0368	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.08	5.98
		<i>For Work In Restricted Working Space, Add</i>	3.59	
22 07 19 00-0369	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	17.40	6.05
		<i>For Work In Restricted Working Space, Add</i>	3.63	
22 07 19 00-0370	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	18.37	6.21
		<i>For Work In Restricted Working Space, Add</i>	3.72	
22 07 19 00-0371	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	19.20	6.28
		<i>For Work In Restricted Working Space, Add</i>	3.77	
22 07 19 00-0372		Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19)		
		Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0373		3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0372)		
22 07 19 00-0374	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.99	4.10
		<i>For Work In Restricted Working Space, Add</i>	2.47	
22 07 19 00-0375	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.12	4.10
		<i>For Work In Restricted Working Space, Add</i>	2.47	
22 07 19 00-0376	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.47	4.25
		<i>For Work In Restricted Working Space, Add</i>	2.55	
22 07 19 00-0377	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.68	4.32
		<i>For Work In Restricted Working Space, Add</i>	2.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0378 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.90	4.40
<i>For Work In Restricted Working Space, Add</i>	2.64	
22 07 19 00-0379 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.19	4.48
<i>For Work In Restricted Working Space, Add</i>	2.68	
22 07 19 00-0380 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.45	4.55
<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-0381 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.69	4.55
<i>For Work In Restricted Working Space, Add</i>	2.74	
22 07 19 00-0382 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.90	4.55
<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0383 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.12	4.62
<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-0384 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.45	4.68
<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0385 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.73	4.68
<i>For Work In Restricted Working Space, Add</i>	2.83	
22 07 19 00-0386 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.93	4.77
<i>For Work In Restricted Working Space, Add</i>	2.85	
22 07 19 00-0387 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.22	4.77
<i>For Work In Restricted Working Space, Add</i>	2.88	
22 07 19 00-0388 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.82	4.83
<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0389 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.53	4.90
<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0390 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.29	4.93
<i>For Work In Restricted Working Space, Add</i>	2.96	
22 07 19 00-0391 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0372)		
22 07 19 00-0392 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.10	4.48
<i>For Work In Restricted Working Space, Add</i>	2.68	
22 07 19 00-0393 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.22	4.48
<i>For Work In Restricted Working Space, Add</i>	2.70	
22 07 19 00-0394 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.37	4.55
<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-0395 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.57	4.55
<i>For Work In Restricted Working Space, Add</i>	2.74	
22 07 19 00-0396 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.72	4.55
<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0397 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.13	4.68
<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0398 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.51	4.77
<i>For Work In Restricted Working Space, Add</i>	2.85	
22 07 19 00-0399 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.85	4.83
<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0400 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.19	4.88
<i>For Work In Restricted Working Space, Add</i>	2.92	
22 07 19 00-0401 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.46	4.90
<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0402 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.47	4.98
<i>For Work In Restricted Working Space, Add</i>	2.99	
22 07 19 00-0403 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.07	5.05
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0404 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.53	5.09
<i>For Work In Restricted Working Space, Add</i>	3.05	
22 07 19 00-0405 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.92	5.12
<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-0406 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.21	5.16
<i>For Work In Restricted Working Space, Add</i>	3.09	
22 07 19 00-0407 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.45	5.19
<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-0408 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.61	5.26
<i>For Work In Restricted Working Space, Add</i>	3.16	
22 07 19 00-0409 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.89	5.30
<i>For Work In Restricted Working Space, Add</i>	3.18	
22 07 19 00-0410 LF 5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	18.00	5.34
<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0411 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.34	5.48
<i>For Work In Restricted Working Space, Add</i>	3.29	
22 07 19 00-0412 LF 8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.84	5.63
<i>For Work In Restricted Working Space, Add</i>	3.37	
22 07 19 00-0413 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0372)		
22 07 19 00-0414 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.52	4.83
<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0415 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.82	4.90
<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0416 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.28	5.05
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0417 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.54	5.09
<i>For Work In Restricted Working Space, Add</i>	3.05	
22 07 19 00-0418 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.67	5.12
<i>For Work In Restricted Working Space, Add</i>	3.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0419	LF	1"	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.33	5.26
			<i>For Work In Restricted Working Space, Add</i>	3.16	
22 07 19 00-0420	LF	1-1/4"	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.84	5.34
			<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0421	LF	1-1/2"	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.36	5.41
			<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0422	LF	1-1/2"	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.49	5.41
			<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0423	LF	2"	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	14.69	5.45
			<i>For Work In Restricted Working Space, Add</i>	3.27	
22 07 19 00-0424	LF	2"	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.28	5.48
			<i>For Work In Restricted Working Space, Add</i>	3.29	
22 07 19 00-0425	LF	2-1/2"	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.61	5.54
			<i>For Work In Restricted Working Space, Add</i>	3.33	
22 07 19 00-0426	LF	2-1/2"	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.28	5.59
			<i>For Work In Restricted Working Space, Add</i>	3.35	
22 07 19 00-0427	LF	3"	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	16.75	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.37	
22 07 19 00-0428	LF	3"	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.46	5.67
			<i>For Work In Restricted Working Space, Add</i>	3.40	
22 07 19 00-0429	LF	3-1/2"	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.74	5.69
			<i>For Work In Restricted Working Space, Add</i>	3.42	
22 07 19 00-0430	LF	4"	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	18.81	5.76
			<i>For Work In Restricted Working Space, Add</i>	3.46	
22 07 19 00-0431	LF	4"	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.65	5.80
			<i>For Work In Restricted Working Space, Add</i>	3.48	
22 07 19 00-0432	LF	5"	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.06	5.83
			<i>For Work In Restricted Working Space, Add</i>	3.50	
22 07 19 00-0433	LF	6"	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.57	5.91
			<i>For Work In Restricted Working Space, Add</i>	3.55	
22 07 19 00-0434	LF	8"	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.41	6.05
			<i>For Work In Restricted Working Space, Add</i>	3.63	
22 07 19 00-0435			1" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0372)</small>		
22 07 19 00-0436	LF	1/4"	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.39	5.33
			<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0437	LF	3/8"	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.76	5.41
			<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0438	LF	1/2"	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	14.24	5.54
			<i>For Work In Restricted Working Space, Add</i>	3.33	
22 07 19 00-0439	LF	5/8"	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	14.62	5.59
			<i>For Work In Restricted Working Space, Add</i>	3.35	
22 07 19 00-0440	LF	3/4"	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	14.96	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.37	
22 07 19 00-0441	LF	1"	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	15.58	5.76
			<i>For Work In Restricted Working Space, Add</i>	3.46	
22 07 19 00-0442	LF	1-1/4"	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.50	5.91
			<i>For Work In Restricted Working Space, Add</i>	3.55	
22 07 19 00-0443	LF	1-1/2"	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.98	5.91
			<i>For Work In Restricted Working Space, Add</i>	3.59	
22 07 19 00-0444	LF	1-1/2"	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.59	5.98
			<i>For Work In Restricted Working Space, Add</i>	3.61	
22 07 19 00-0445	LF	2"	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	17.82	6.05
			<i>For Work In Restricted Working Space, Add</i>	3.63	
22 07 19 00-0446	LF	2"	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.13	6.14
			<i>For Work In Restricted Working Space, Add</i>	3.68	
22 07 19 00-0447	LF	2-1/2"	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.17	6.21
			<i>For Work In Restricted Working Space, Add</i>	3.72	
22 07 19 00-0448	LF	2-1/2"	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.45	6.25
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 07 19 00-0449	LF	3"	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	21.84	6.28
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 07 19 00-0450	LF	3"	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.51	6.32
			<i>For Work In Restricted Working Space, Add</i>	3.78	
22 07 19 00-0451	LF	3-1/2"	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.85	6.35
			<i>For Work In Restricted Working Space, Add</i>	3.80	
22 07 19 00-0452	LF	4"	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	25.34	6.50
			<i>For Work In Restricted Working Space, Add</i>	3.89	
22 07 19 00-0453	LF	4"	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.02	6.56
			<i>For Work In Restricted Working Space, Add</i>	3.94	
22 07 19 00-0454	LF	5"	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.47	6.63
			<i>For Work In Restricted Working Space, Add</i>	3.98	
22 07 19 00-0455	LF	6"	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.10	6.78
			<i>For Work In Restricted Working Space, Add</i>	4.07	
22 07 19 00-0456			1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0372)</small>		
22 07 19 00-0457	LF	3/8"	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	19.65	5.97
			<i>For Work In Restricted Working Space, Add</i>	3.58	
22 07 19 00-0458	LF	1/2"	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	20.15	6.10
			<i>For Work In Restricted Working Space, Add</i>	3.67	
22 07 19 00-0459	LF	5/8"	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	20.54	6.14
			<i>For Work In Restricted Working Space, Add</i>	3.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0460 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	20.92	6.20
<i>For Work In Restricted Working Space, Add</i>	3.70	
22 07 19 00-0461 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.50	6.33
<i>For Work In Restricted Working Space, Add</i>	3.79	
22 07 19 00-0462 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.45	6.56
<i>For Work In Restricted Working Space, Add</i>	3.93	
22 07 19 00-0463 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.67	6.47
<i>For Work In Restricted Working Space, Add</i>	3.97	
22 07 19 00-0464 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.75	6.62
<i>For Work In Restricted Working Space, Add</i>	4.02	
22 07 19 00-0465 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.43	6.78
<i>For Work In Restricted Working Space, Add</i>	4.07	
22 07 19 00-0466 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.46	6.86
<i>For Work In Restricted Working Space, Add</i>	4.11	
22 07 19 00-0467 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.38	6.95
<i>For Work In Restricted Working Space, Add</i>	4.15	
22 07 19 00-0468 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.29	6.97
<i>For Work In Restricted Working Space, Add</i>	4.18	
22 07 19 00-0469 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.19	6.99
<i>For Work In Restricted Working Space, Add</i>	4.20	
22 07 19 00-0470 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.24	7.03
<i>For Work In Restricted Working Space, Add</i>	4.22	
22 07 19 00-0471 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.91	7.06
<i>For Work In Restricted Working Space, Add</i>	4.24	
22 07 19 00-0472 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.55	7.32
<i>For Work In Restricted Working Space, Add</i>	4.38	
22 07 19 00-0473 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.50	7.42
<i>For Work In Restricted Working Space, Add</i>	4.45	
22 07 19 00-0474 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	43.15	7.53
<i>For Work In Restricted Working Space, Add</i>	4.52	
22 07 19 00-0475 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	47.81	7.77
<i>For Work In Restricted Working Space, Add</i>	4.66	
22 07 19 00-0476 2" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0372)</small>		
22 07 19 00-0477 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	27.71	6.59
<i>For Work In Restricted Working Space, Add</i>	3.95	
22 07 19 00-0478 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.77	6.69
<i>For Work In Restricted Working Space, Add</i>	4.04	
22 07 19 00-0479 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	30.49	6.74
<i>For Work In Restricted Working Space, Add</i>	4.05	
22 07 19 00-0480 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	31.08	6.80
<i>For Work In Restricted Working Space, Add</i>	4.07	
22 07 19 00-0481 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.59	6.93
<i>For Work In Restricted Working Space, Add</i>	4.15	
22 07 19 00-0482 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.50	7.26
<i>For Work In Restricted Working Space, Add</i>	4.35	
22 07 19 00-0483 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.56	7.08
<i>For Work In Restricted Working Space, Add</i>	4.38	
22 07 19 00-0484 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	37.50	7.33
<i>For Work In Restricted Working Space, Add</i>	4.47	
22 07 19 00-0485 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	39.35	7.57
<i>For Work In Restricted Working Space, Add</i>	4.55	
22 07 19 00-0486 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.58	7.67
<i>For Work In Restricted Working Space, Add</i>	4.59	
22 07 19 00-0487 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	43.08	7.77
<i>For Work In Restricted Working Space, Add</i>	4.64	
22 07 19 00-0488 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	43.40	7.78
<i>For Work In Restricted Working Space, Add</i>	4.66	
22 07 19 00-0489 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	45.72	7.79
<i>For Work In Restricted Working Space, Add</i>	4.69	
22 07 19 00-0490 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	47.34	7.83
<i>For Work In Restricted Working Space, Add</i>	4.70	
22 07 19 00-0491 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	49.06	7.87
<i>For Work In Restricted Working Space, Add</i>	4.72	
22 07 19 00-0492 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	54.88	8.24
<i>For Work In Restricted Working Space, Add</i>	4.92	
22 07 19 00-0493 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	58.27	8.40
<i>For Work In Restricted Working Space, Add</i>	5.03	
22 07 19 00-0494 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	59.31	8.57
<i>For Work In Restricted Working Space, Add</i>	5.14	
22 07 19 00-0495 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	66.31	8.91
<i>For Work In Restricted Working Space, Add</i>	5.34	
22 07 19 00-0496 Flexible Polyolefin Tubing Closed Cell Foam Insulation <small>(22 07 19)</small>		
<small>Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.</small>		
22 07 19 00-0497 3/8" Wall Flexible Polyolefin Tubing Foam Insulation <small>(22 07 19 00-0496)</small>		
22 07 19 00-0498 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.74	4.10
<i>For Work In Restricted Working Space, Add</i>	2.47	
22 07 19 00-0499 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.82	4.10
<i>For Work In Restricted Working Space, Add</i>	2.47	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0500 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.13	4.25
<i>For Work In Restricted Working Space, Add</i>	2.55	
22 07 19 00-0501 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.51	4.40
<i>For Work In Restricted Working Space, Add</i>	2.64	
22 07 19 00-0502 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.75	4.48
<i>For Work In Restricted Working Space, Add</i>	2.68	
22 07 19 00-0503 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.13	4.55
<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-0504 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.40	4.55
<i>For Work In Restricted Working Space, Add</i>	2.74	
22 07 19 00-0505 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.60	4.68
<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0506 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.51	4.68
<i>For Work In Restricted Working Space, Add</i>	2.83	
22 07 19 00-0507 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.31	4.77
<i>For Work In Restricted Working Space, Add</i>	2.88	
22 07 19 00-0508 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	14.30	4.90
<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0509 1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0496)		
22 07 19 00-0510 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.72	4.48
<i>For Work In Restricted Working Space, Add</i>	2.68	
22 07 19 00-0511 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.81	4.48
<i>For Work In Restricted Working Space, Add</i>	2.70	
22 07 19 00-0512 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.99	4.55
<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-0513 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.21	4.55
<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0514 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.52	4.68
<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0515 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.94	4.77
<i>For Work In Restricted Working Space, Add</i>	2.85	
22 07 19 00-0516 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.40	4.83
<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0517 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.84	4.90
<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0518 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.81	5.05
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0519 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	13.65	5.12
<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-0520 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	15.25	5.26
<i>For Work In Restricted Working Space, Add</i>	3.16	
22 07 19 00-0521 3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0496)		
22 07 19 00-0522 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.84	4.83
<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0523 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.17	4.90
<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0524 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.59	5.05
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0525 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.17	5.12
<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-0526 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.76	5.26
<i>For Work In Restricted Working Space, Add</i>	3.16	
22 07 19 00-0527 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	13.69	5.34
<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0528 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	14.27	5.34
<i>For Work In Restricted Working Space, Add</i>	3.22	
22 07 19 00-0529 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	14.96	5.41
<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0530 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	16.30	5.54
<i>For Work In Restricted Working Space, Add</i>	3.33	
22 07 19 00-0531 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	17.50	5.63
<i>For Work In Restricted Working Space, Add</i>	3.37	
22 07 19 00-0532 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	19.80	5.76
<i>For Work In Restricted Working Space, Add</i>	3.46	
22 07 19 00-0533 1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0496)		
22 07 19 00-0534 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.72	5.34
<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0535 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.91	5.41
<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0536 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	13.33	5.54
<i>For Work In Restricted Working Space, Add</i>	3.33	
22 07 19 00-0537 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	14.16	5.63
<i>For Work In Restricted Working Space, Add</i>	3.37	
22 07 19 00-0538 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	14.90	5.76
<i>For Work In Restricted Working Space, Add</i>	3.46	
22 07 19 00-0539 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	15.64	5.91
<i>For Work In Restricted Working Space, Add</i>	3.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0540 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	16.33	5.91
<i>For Work In Restricted Working Space, Add</i>	3.59	
22 07 19 00-0541 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	17.84	6.05
<i>For Work In Restricted Working Space, Add</i>	3.63	
22 07 19 00-0542 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	19.88	6.21
<i>For Work In Restricted Working Space, Add</i>	3.72	
22 07 19 00-0543 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	21.32	6.28
<i>For Work In Restricted Working Space, Add</i>	3.77	
22 07 19 00-0544 Flexible Elastomeric Unicellular Insulation <small>(22 07 19)</small>		
<small>Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.</small>		
22 07 19 00-0545 3/8" Wall Flexible Elastomeric Unicellular Insulation <small>(22 07 19 00-0544)</small>		
22 07 19 00-0546 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.63	4.10
<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-0547 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.14	4.25
<i>For Work In Restricted Working Space, Add</i>	2.55	
22 07 19 00-0548 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.62	4.41
<i>For Work In Restricted Working Space, Add</i>	2.64	
22 07 19 00-0549 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.00	4.48
<i>For Work In Restricted Working Space, Add</i>	2.68	
22 07 19 00-0550 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.42	4.55
<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-0551 LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.02	4.58
<i>For Work In Restricted Working Space, Add</i>	2.74	
22 07 19 00-0552 LF 2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.81	4.70
<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0553 LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	14.64	4.73
<i>For Work In Restricted Working Space, Add</i>	2.83	
22 07 19 00-0554 LF 3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	15.97	4.79
<i>For Work In Restricted Working Space, Add</i>	2.88	
22 07 19 00-0555 1/2" Wall Flexible Elastomeric Unicellular Insulation <small>(22 07 19 00-0544)</small>		
22 07 19 00-0556 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	10.95	4.41
<i>For Work In Restricted Working Space, Add</i>	2.64	
22 07 19 00-0557 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.45	4.55
<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-0558 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.79	4.55
<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0559 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.32	4.68
<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0560 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.75	4.77
<i>For Work In Restricted Working Space, Add</i>	2.85	
22 07 19 00-0561 LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	13.40	4.83
<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0562 LF 2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	14.58	4.90
<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0563 LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	16.52	5.05
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0564 LF 3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	17.80	5.12
<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-0565 LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	20.35	5.19
<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-0566 LF 4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	21.56	5.26
<i>For Work In Restricted Working Space, Add</i>	3.16	
22 07 19 00-0567 3/4" Wall Flexible Elastomeric Unicellular Insulation <small>(22 07 19 00-0544)</small>		
22 07 19 00-0568 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	12.90	4.81
<i>For Work In Restricted Working Space, Add</i>	2.88	
22 07 19 00-0569 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	13.68	5.05
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-0570 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	14.53	5.12
<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-0571 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	15.77	5.27
<i>For Work In Restricted Working Space, Add</i>	3.16	
22 07 19 00-0572 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	16.65	5.34
<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0573 LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	18.77	5.41
<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0574 LF 2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	20.56	5.45
<i>For Work In Restricted Working Space, Add</i>	3.27	
22 07 19 00-0575 LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	23.31	5.56
<i>For Work In Restricted Working Space, Add</i>	3.33	
22 07 19 00-0576 LF 3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	25.20	5.63
<i>For Work In Restricted Working Space, Add</i>	3.37	
22 07 19 00-0577 LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	28.32	5.69
<i>For Work In Restricted Working Space, Add</i>	3.42	
22 07 19 00-0578 LF 4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	29.77	5.76
<i>For Work In Restricted Working Space, Add</i>	3.46	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0579			1" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0544)		
22 07 19 00-0580	LF		3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	16.70	5.34
			<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0581	LF		1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	17.52	5.56
			<i>For Work In Restricted Working Space, Add</i>	3.33	
22 07 19 00-0582	LF		3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	19.16	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.37	
22 07 19 00-0583	LF		1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	21.16	5.76
			<i>For Work In Restricted Working Space, Add</i>	3.46	
22 07 19 00-0584	LF		1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	22.97	5.91
			<i>For Work In Restricted Working Space, Add</i>	3.55	
22 07 19 00-0585	LF		1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	24.32	5.98
			<i>For Work In Restricted Working Space, Add</i>	3.59	
22 07 19 00-0586	LF		2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	26.98	6.05
			<i>For Work In Restricted Working Space, Add</i>	3.63	
22 07 19 00-0587	LF		2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	33.39	6.21
			<i>For Work In Restricted Working Space, Add</i>	3.72	
22 07 19 00-0588	LF		3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	37.99	6.28
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 07 19 00-0589	LF		3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	40.48	6.35
			<i>For Work In Restricted Working Space, Add</i>	3.80	
22 07 19 00-0590	LF		4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	45.62	6.50
			<i>For Work In Restricted Working Space, Add</i>	3.89	
22 07 19 00-0591			Insulation Foam Rubber (22 07 19)		
22 07 19 00-0592			Covering 4x6 Sheet (22 07 19 00-0591)		
22 07 19 00-0593	SF		1" Thick Foam Rubber Sheet Insulation.....	26.14	9.75
22 07 19 00-0594			Insulation Protective Jacketing (22 07 19)		
			Note: Jacketing only and to be added to insulation prices when required.		
22 07 19 00-0595			Aluminum Insulation Protective Jacketing With Bands (22 07 19 00-0594)		
22 07 19 00-0596			Aluminum Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0595)		
22 07 19 00-0597	SF		0.006" Aluminum Insulation Jacket With Bands.....	20.59	8.79
22 07 19 00-0598	SF		0.010" Aluminum Insulation Jacket With Bands.....	20.92	8.79
22 07 19 00-0599	SF		0.016" Aluminum Insulation Jacket With Bands.....	21.23	8.79
22 07 19 00-0600	SF		0.020" Aluminum Insulation Jacket With Bands.....	21.52	8.79
22 07 19 00-0601	SF		0.024" Aluminum Insulation Jacket With Bands.....	21.79	8.79
22 07 19 00-0602			16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0595)		
22 07 19 00-0603	LF		1/2" ID, 0.016" Aluminum Insulation Jacketing.....	10.43	2.49
			<i>For Stucco Embossed, Add</i>	0.00	
			<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0604	LF		3/4" ID, 0.016" Aluminum Insulation Jacketing.....	10.79	2.55
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0605	LF		1" ID, 0.016" Aluminum Insulation Jacketing.....	11.16	2.62
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0606	LF		1-1/4" ID, 0.016" Aluminum Insulation Jacketing	11.55	2.68
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0607	LF		1-1/2" ID, 0.016" Aluminum Insulation Jacketing	11.84	2.72
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0608	LF		1-3/4" ID, 0.016" Aluminum Insulation Jacketing	12.13	2.76
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0609	LF		2" ID, 0.016" Aluminum Insulation Jacketing.....	12.49	2.82
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0610	LF		2-1/4" ID, 0.016" Aluminum Insulation Jacketing	12.86	2.88
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0611	LF		2-1/2" ID, 0.016" Aluminum Insulation Jacketing	13.26	2.94
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0612	LF		2-3/4" ID, 0.016" Aluminum Insulation Jacketing	13.58	2.99
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0613	LF		3" ID, 0.016" Aluminum Insulation Jacketing.....	13.99	3.05
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0614	LF		3-1/4" ID, 0.016" Aluminum Insulation Jacketing	14.40	3.12
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0615 LF 3-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.82 0.02 0.05	3.19
22 07 19 00-0616 LF 3-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.18 0.02 0.05	3.25
22 07 19 00-0617 LF 4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.63 0.02 0.06	3.33
22 07 19 00-0618 LF 4-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.08 0.02 0.06	3.41
22 07 19 00-0619 LF 4-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.58 0.03 0.06	3.50
22 07 19 00-0620 LF 4-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.98 0.03 0.07	3.57
22 07 19 00-0621 LF 5" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.49 0.03 0.07	3.66
22 07 19 00-0622 LF 5-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.03 0.03 0.07	3.76
22 07 19 00-0623 LF 5-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.47 0.03 0.08	3.84
22 07 19 00-0624 LF 5-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.06 0.03 0.08	3.95
22 07 19 00-0625 LF 6" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.66 0.03 0.08	4.06
22 07 19 00-0626 LF 6-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.04 0.04 0.09	4.12
22 07 19 00-0627 LF 6-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.42 0.04 0.09	4.19
22 07 19 00-0628 LF 7" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.06 0.04 0.10	4.29
22 07 19 00-0629 LF 7-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.60 0.04 0.10	4.40
22 07 19 00-0630 LF 7-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.02 0.04 0.10	4.47
22 07 19 00-0631 LF 8" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.58 0.04 0.11	4.55
22 07 19 00-0632 LF 8-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.15 0.05 0.12	4.62
22 07 19 00-0633 LF 9" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.89 0.05 0.12	4.74
22 07 19 00-0634 LF 9-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.50 0.05 0.13	4.82
22 07 19 00-0635 LF 10" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.10 0.05 0.14	4.90
22 07 19 00-0636 LF 10-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.72 0.06 0.14	4.99
22 07 19 00-0637 LF 11" ID, 0.0106 Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.54 0.06 0.15	5.13
22 07 19 00-0638 LF 11-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.21 0.06 0.16	5.23
22 07 19 00-0639 LF 12" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.87 0.07 0.16	5.33
22 07 19 00-0640 LF 12-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.79 0.07 0.17	5.49
22 07 19 00-0641 LF 13" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.27 0.07 0.18	5.55
22 07 19 00-0642 LF 14" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.04 0.08 0.19	5.60

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0643	LF		15" ID, 0.016" Aluminum Insulation Jacketing.....	31.02	5.72
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0644	LF		16" ID, 0.016" Aluminum Insulation Jacketing.....	31.80	5.78
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0645	LF		17" ID, 0.016" Aluminum Insulation Jacketing.....	32.83	5.90
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0646	LF		18" ID, 0.016" Aluminum Insulation Jacketing.....	33.45	5.96
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0647	LF		19" ID, 0.016" Aluminum Insulation Jacketing.....	34.68	6.11
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0648	LF		20" ID, 0.016" Aluminum Insulation Jacketing.....	35.49	6.17
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.27	
22 07 19 00-0649	LF		21" ID, 0.016" Aluminum Insulation Jacketing.....	36.59	6.32
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.28	
22 07 19 00-0650	LF		22" ID, 0.016" Aluminum Insulation Jacketing.....	37.40	6.39
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.30	
22 07 19 00-0651	LF		23" ID, 0.016" Aluminum Insulation Jacketing.....	38.55	6.54
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.31	
22 07 19 00-0652	LF		24" ID, 0.016" Aluminum Insulation Jacketing.....	39.39	6.62
			<i>For Stucco Embossed, Add</i>	0.13	
			<i>For Corrugated, Add</i>	0.32	
22 07 19 00-0653			20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0595)</small>		
22 07 19 00-0654	LF		1/2" ID, 0.020" Aluminum Insulation Jacketing.....	11.54	2.75
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0655	LF		3/4" ID, 0.020" Aluminum Insulation Jacketing.....	11.96	2.81
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0656	LF		1" ID, 0.020" Aluminum Insulation Jacketing.....	12.40	2.88
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0657	LF		1-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	12.85	2.95
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0658	LF		1-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	13.19	2.99
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0659	LF		1-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	13.53	3.04
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0660	LF		2" ID, 0.020" Aluminum Insulation Jacketing.....	13.95	3.10
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0661	LF		2-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	14.38	3.16
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0662	LF		2-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	14.83	3.23
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0663	LF		2-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	15.22	3.28
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0664	LF		3" ID, 0.020" Aluminum Insulation Jacketing.....	15.70	3.36
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0665	LF		3-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	16.16	3.43
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0666	LF		3-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	16.65	3.51
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0667	LF		3-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	17.06	3.57
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0668	LF		4" ID, 0.020" Aluminum Insulation Jacketing.....	17.57	3.66
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0669	LF		4-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	18.11	3.75
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0670	LF		4-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	18.68	3.85
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0671 LF 4-3/4" ID, 0.020" Aluminum Insulation Jacketing	19.14	3.92
<i>For Stucco Embossed, Add</i>	0.03	
<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0672 LF 5" ID, 0.020" Aluminum Insulation Jacketing.....	19.73	4.02
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0673 LF 5-1/4" ID, 0.020" Aluminum Insulation Jacketing	20.34	4.13
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0674 LF 5-1/2" ID, 0.020" Aluminum Insulation Jacketing	20.85	4.22
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0675 LF 5-3/4" ID, 0.020" Aluminum Insulation Jacketing	21.52	4.35
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0676 LF 6" ID, 0.020" Aluminum Insulation Jacketing.....	22.20	4.48
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0677 LF 6-1/4" ID, 0.020" Aluminum Insulation Jacketing	22.63	4.55
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0678 LF 6-1/2" ID, 0.020" Aluminum Insulation Jacketing	23.09	4.61
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0679 LF 7" ID, 0.020" Aluminum Insulation Jacketing.....	23.83	4.72
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0680 LF 7-1/4" ID, 0.020" Aluminum Insulation Jacketing	24.45	4.83
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0681 LF 7-1/2" ID, 0.020" Aluminum Insulation Jacketing	24.93	4.91
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0682 LF 8" ID, 0.020" Aluminum Insulation Jacketing.....	25.61	5.00
<i>For Stucco Embossed, Add</i>	0.06	
<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0683 LF 8-1/2" ID, 0.020" Aluminum Insulation Jacketing	26.26	5.08
<i>For Stucco Embossed, Add</i>	0.06	
<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0684 LF 9" ID, 0.020" Aluminum Insulation Jacketing.....	27.11	5.21
<i>For Stucco Embossed, Add</i>	0.06	
<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0685 LF 9-1/2" ID, 0.020" Aluminum Insulation Jacketing	27.83	5.30
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0686 LF 10" ID, 0.020" Aluminum Insulation Jacketing.....	28.54	5.39
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0687 LF 10-1/2" ID, 0.020" Aluminum Insulation Jacketing	29.27	5.49
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0688 LF 11" ID, 0.0106 Aluminum Insulation Jacketing.....	30.22	5.64
<i>For Stucco Embossed, Add</i>	0.08	
<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0689 LF 11-1/2" ID, 0.020" Aluminum Insulation Jacketing	31.00	5.75
<i>For Stucco Embossed, Add</i>	0.08	
<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0690 LF 12" ID, 0.020" Aluminum Insulation Jacketing.....	31.78	5.86
<i>For Stucco Embossed, Add</i>	0.08	
<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0691 LF 12-1/2" ID, 0.020" Aluminum Insulation Jacketing	32.82	6.04
<i>For Stucco Embossed, Add</i>	0.09	
<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0692 LF 13" ID, 0.020" Aluminum Insulation Jacketing.....	33.40	6.11
<i>For Stucco Embossed, Add</i>	0.09	
<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0693 LF 14" ID, 0.020" Aluminum Insulation Jacketing.....	34.33	6.17
<i>For Stucco Embossed, Add</i>	0.10	
<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0694 LF 15" ID, 0.020" Aluminum Insulation Jacketing.....	35.51	6.30
<i>For Stucco Embossed, Add</i>	0.10	
<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0695 LF 16" ID, 0.020" Aluminum Insulation Jacketing.....	36.47	6.36
<i>For Stucco Embossed, Add</i>	0.11	
<i>For Corrugated, Add</i>	0.28	
22 07 19 00-0696 LF 17" ID, 0.020" Aluminum Insulation Jacketing.....	37.67	6.50
<i>For Stucco Embossed, Add</i>	0.12	
<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0697 LF 18" ID, 0.020" Aluminum Insulation Jacketing.....	38.41	6.57
<i>For Stucco Embossed, Add</i>	0.12	
<i>For Corrugated, Add</i>	0.30	
22 07 19 00-0698 LF 19" ID, 0.020" Aluminum Insulation Jacketing.....	39.89	6.71
<i>For Stucco Embossed, Add</i>	0.13	
<i>For Corrugated, Add</i>	0.33	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0699 LF 20" ID, 0.020" Aluminum Insulation Jacketing.....	40.88	6.79
For Stucco Embossed, Add	0.14	
For Corrugated, Add	0.34	
22 07 19 00-0700 LF 21" ID, 0.020" Aluminum Insulation Jacketing.....	42.17	6.94
For Stucco Embossed, Add	0.14	
For Corrugated, Add	0.36	
22 07 19 00-0701 LF 22" ID, 0.020" Aluminum Insulation Jacketing.....	43.15	7.02
For Stucco Embossed, Add	0.15	
For Corrugated, Add	0.38	
22 07 19 00-0702 LF 23" ID, 0.020" Aluminum Insulation Jacketing.....	44.52	7.19
For Stucco Embossed, Add	0.16	
For Corrugated, Add	0.39	
22 07 19 00-0703 LF 24" ID, 0.020" Aluminum Insulation Jacketing.....	45.53	7.28
For Stucco Embossed, Add	0.16	
For Corrugated, Add	0.41	
22 07 19 00-0704 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0595)</small>		
22 07 19 00-0705 LF 1/2" ID, 0.024" Aluminum Insulation Jacketing.....	12.65	3.00
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0706 LF 3/4" ID, 0.024" Aluminum Insulation Jacketing.....	13.13	3.07
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0707 LF 1" ID, 0.024" Aluminum Insulation Jacketing.....	13.62	3.14
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0708 LF 1-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	14.12	3.22
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0709 LF 1-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	14.52	3.26
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.04	
22 07 19 00-0710 LF 1-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	14.92	3.31
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0711 LF 2" ID, 0.024" Aluminum Insulation Jacketing.....	15.39	3.38
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0712 LF 2-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	15.87	3.45
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0713 LF 2-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	16.38	3.52
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0714 LF 2-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	16.81	3.58
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0715 LF 3" ID, 0.024" Aluminum Insulation Jacketing.....	17.35	3.66
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0716 LF 3-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	17.89	3.74
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0717 LF 3-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	18.44	3.83
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0718 LF 3-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	18.91	3.90
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0719 LF 4" ID, 0.024" Aluminum Insulation Jacketing.....	19.48	3.99
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	
22 07 19 00-0720 LF 4-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	20.08	4.09
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	
22 07 19 00-0721 LF 4-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	20.72	4.19
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0722 LF 4-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	21.25	4.27
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0723 LF 5" ID, 0.024" Aluminum Insulation Jacketing.....	21.90	4.40
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.11	
22 07 19 00-0724 LF 5-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	22.58	4.52
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.11	
22 07 19 00-0725 LF 5-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	23.17	4.61
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.12	
22 07 19 00-0726 LF 5-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	23.92	4.74
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0727 LF 6" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.68 0.05 0.13	4.88
22 07 19 00-0728 LF 6-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.16 0.05 0.13	4.96
22 07 19 00-0729 LF 6-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.68 0.06 0.14	5.03
22 07 19 00-0730 LF 7" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.52 0.06 0.15	5.15
22 07 19 00-0731 LF 7-1/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.22 0.06 0.15	5.27
22 07 19 00-0732 LF 7-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.76 0.06 0.16	5.36
22 07 19 00-0733 LF 8" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.52 0.07 0.17	5.45
22 07 19 00-0734 LF 8-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.27 0.07 0.18	5.54
22 07 19 00-0735 LF 9" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.24 0.08 0.19	5.68
22 07 19 00-0736 LF 9-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.06 0.08 0.20	5.78
22 07 19 00-0737 LF 10" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.88 0.08 0.21	5.88
22 07 19 00-0738 LF 10-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.70 0.09 0.22	5.99
22 07 19 00-0739 LF 11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.77 0.09 0.23	6.16
22 07 19 00-0740 LF 11-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.66 0.10 0.24	6.28
22 07 19 00-0741 LF 12" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.55 0.10 0.25	6.40
22 07 19 00-0742 LF 12-1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.72 0.10 0.26	6.59
22 07 19 00-0743 LF 13" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.38 0.11 0.27	6.66
22 07 19 00-0744 LF 14" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.48 0.12 0.29	6.73
22 07 19 00-0745 LF 15" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.84 0.12 0.31	6.86
22 07 19 00-0746 LF 16" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.95 0.13 0.33	6.94
22 07 19 00-0747 LF 17" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	42.34 0.14 0.35	7.08
22 07 19 00-0748 LF 18" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	43.20 0.15 0.36	7.16
22 07 19 00-0749 LF 19" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	44.90 0.16 0.39	7.32
22 07 19 00-0750 LF 20" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	46.06 0.16 0.41	7.40
22 07 19 00-0751 LF 21" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	47.52 0.17 0.43	7.57
22 07 19 00-0752 LF 22" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	48.68 0.18 0.45	7.66
22 07 19 00-0753 LF 23" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	50.23 0.19 0.47	7.85
22 07 19 00-0754 LF 24" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	51.40 0.20 0.49	7.94

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0755			32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0595)</small>		
22 07 19 00-0756	LF		1/2" ID, 0.032" Aluminum Insulation Jacketing.....	14.18	3.32
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0757	LF		3/4" ID, 0.032" Aluminum Insulation Jacketing.....	14.76	3.40
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0758	LF		1" ID, 0.032" Aluminum Insulation Jacketing.....	15.35	3.48
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0759	LF		1-1/4" ID, 0.032" Aluminum Insulation Jacketing	15.95	3.56
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0760	LF		1-1/2" ID, 0.032" Aluminum Insulation Jacketing	16.43	3.61
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0761	LF		1-3/4" ID, 0.032" Aluminum Insulation Jacketing	16.92	3.67
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0762	LF		2" ID, 0.032" Aluminum Insulation Jacketing.....	17.50	3.74
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0763	LF		2-1/4" ID, 0.032" Aluminum Insulation Jacketing	18.07	3.82
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0764	LF		2-1/2" ID, 0.032" Aluminum Insulation Jacketing	18.69	3.90
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0765	LF		2-3/4" ID, 0.032" Aluminum Insulation Jacketing	19.22	3.97
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0766	LF		3" ID, 0.032" Aluminum Insulation Jacketing.....	19.87	4.05
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0767	LF		3-1/4" ID, 0.032" Aluminum Insulation Jacketing	20.51	4.15
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0768	LF		3-1/2" ID, 0.032" Aluminum Insulation Jacketing	21.17	4.24
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0769	LF		3-3/4" ID, 0.032" Aluminum Insulation Jacketing	21.74	4.32
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0770	LF		4" ID, 0.032" Aluminum Insulation Jacketing.....	22.41	4.43
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0771	LF		4-1/4" ID, 0.032" Aluminum Insulation Jacketing	23.12	4.54
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0772	LF		4-1/2" ID, 0.032" Aluminum Insulation Jacketing	23.89	4.66
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0773	LF		4-3/4" ID, 0.032" Aluminum Insulation Jacketing	24.52	4.75
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0774	LF		5" ID, 0.032" Aluminum Insulation Jacketing.....	25.29	4.87
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0775	LF		5-1/4" ID, 0.032" Aluminum Insulation Jacketing	26.09	5.00
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0776	LF		5-1/2" ID, 0.032" Aluminum Insulation Jacketing	26.78	5.11
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0777	LF		5-3/4" ID, 0.032" Aluminum Insulation Jacketing	27.67	5.25
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0778	LF		6" ID, 0.032" Aluminum Insulation Jacketing.....	28.56	5.41
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0779	LF		6-1/4" ID, 0.032" Aluminum Insulation Jacketing	29.16	5.49
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0780	LF		6-1/2" ID, 0.032" Aluminum Insulation Jacketing	29.75	5.57
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0781	LF		7" ID, 0.032" Aluminum Insulation Jacketing.....	30.77	5.70
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0782	LF		7-1/4" ID, 0.032" Aluminum Insulation Jacketing	31.59	5.84
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0783 LF 7-1/2" ID, 0.032" Aluminum Insulation Jacketing	32.24	5.93
<i>For Stucco Embossed, Add</i>	0.08	
<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0784 LF 8" ID, 0.032" Aluminum Insulation Jacketing.....	33.18	6.04
<i>For Stucco Embossed, Add</i>	0.09	
<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0785 LF 8-1/2" ID, 0.032" Aluminum Insulation Jacketing	34.11	6.14
<i>For Stucco Embossed, Add</i>	0.10	
<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0786 LF 9" ID, 0.032" Aluminum Insulation Jacketing.....	35.28	6.30
<i>For Stucco Embossed, Add</i>	0.10	
<i>For Corrugated, Add</i>	0.25	
22 07 19 00-0787 LF 9-1/2" ID, 0.032" Aluminum Insulation Jacketing	36.29	6.41
<i>For Stucco Embossed, Add</i>	0.11	
<i>For Corrugated, Add</i>	0.27	
22 07 19 00-0788 LF 10" ID, 0.032" Aluminum Insulation Jacketing.....	37.28	6.52
<i>For Stucco Embossed, Add</i>	0.11	
<i>For Corrugated, Add</i>	0.28	
22 07 19 00-0789 LF 10-1/2" ID, 0.032" Aluminum Insulation Jacketing	38.28	6.64
<i>For Stucco Embossed, Add</i>	0.12	
<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0790 LF 11" ID, 0.0106 Aluminum Insulation Jacketing.....	39.58	6.83
<i>For Stucco Embossed, Add</i>	0.12	
<i>For Corrugated, Add</i>	0.31	
22 07 19 00-0791 LF 11-1/2" ID, 0.032" Aluminum Insulation Jacketing	40.65	6.96
<i>For Stucco Embossed, Add</i>	0.13	
<i>For Corrugated, Add</i>	0.32	
22 07 19 00-0792 LF 12" ID, 0.032" Aluminum Insulation Jacketing.....	41.73	7.09
<i>For Stucco Embossed, Add</i>	0.13	
<i>For Corrugated, Add</i>	0.33	
22 07 19 00-0793 LF 12-1/2" ID, 0.032" Aluminum Insulation Jacketing	43.12	7.30
<i>For Stucco Embossed, Add</i>	0.14	
<i>For Corrugated, Add</i>	0.35	
22 07 19 00-0794 LF 13" ID, 0.032" Aluminum Insulation Jacketing.....	43.95	7.38
<i>For Stucco Embossed, Add</i>	0.14	
<i>For Corrugated, Add</i>	0.36	
22 07 19 00-0795 LF 14" ID, 0.032" Aluminum Insulation Jacketing.....	45.35	7.45
<i>For Stucco Embossed, Add</i>	0.16	
<i>For Corrugated, Add</i>	0.39	
22 07 19 00-0796 LF 15" ID, 0.032" Aluminum Insulation Jacketing.....	47.05	7.60
<i>For Stucco Embossed, Add</i>	0.17	
<i>For Corrugated, Add</i>	0.42	
22 07 19 00-0797 LF 16" ID, 0.032" Aluminum Insulation Jacketing.....	48.46	7.68
<i>For Stucco Embossed, Add</i>	0.18	
<i>For Corrugated, Add</i>	0.44	
22 07 19 00-0798 LF 17" ID, 0.032" Aluminum Insulation Jacketing.....	50.19	7.86
<i>For Stucco Embossed, Add</i>	0.19	
<i>For Corrugated, Add</i>	0.47	
22 07 19 00-0799 LF 18" ID, 0.032" Aluminum Insulation Jacketing.....	51.27	7.94
<i>For Stucco Embossed, Add</i>	0.20	
<i>For Corrugated, Add</i>	0.49	
22 07 19 00-0800 LF 19" ID, 0.032" Aluminum Insulation Jacketing.....	53.42	8.12
<i>For Stucco Embossed, Add</i>	0.21	
<i>For Corrugated, Add</i>	0.52	
22 07 19 00-0801 LF 20" ID, 0.032" Aluminum Insulation Jacketing.....	54.89	8.21
<i>For Stucco Embossed, Add</i>	0.22	
<i>For Corrugated, Add</i>	0.55	
22 07 19 00-0802 LF 21" ID, 0.032" Aluminum Insulation Jacketing.....	56.71	8.40
<i>For Stucco Embossed, Add</i>	0.23	
<i>For Corrugated, Add</i>	0.58	
22 07 19 00-0803 LF 22" ID, 0.032" Aluminum Insulation Jacketing.....	58.17	8.49
<i>For Stucco Embossed, Add</i>	0.24	
<i>For Corrugated, Add</i>	0.61	
22 07 19 00-0804 LF 23" ID, 0.032" Aluminum Insulation Jacketing.....	60.08	8.69
<i>For Stucco Embossed, Add</i>	0.25	
<i>For Corrugated, Add</i>	0.63	
22 07 19 00-0805 LF 24" ID, 0.032" Aluminum Insulation Jacketing.....	61.56	8.80
<i>For Stucco Embossed, Add</i>	0.26	
<i>For Corrugated, Add</i>	0.66	
22 07 19 00-0806 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0595)		
22 07 19 00-0807 LF 1/2" ID, 0.040" Aluminum Insulation Jacketing.....	16.41	3.82
<i>For Stucco Embossed, Add</i>	0.01	
<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0808 LF 3/4" ID, 0.040" Aluminum Insulation Jacketing.....	17.10	3.91
<i>For Stucco Embossed, Add</i>	0.01	
<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0809 LF 1" ID, 0.040" Aluminum Insulation Jacketing.....	17.80	4.00
<i>For Stucco Embossed, Add</i>	0.02	
<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0810 LF 1-1/4" ID, 0.040" Aluminum Insulation Jacketing	18.53	4.09
<i>For Stucco Embossed, Add</i>	0.02	
<i>For Corrugated, Add</i>	0.05	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0811 LF 1-1/2" ID, 0.040" Aluminum Insulation Jacketing	19.11	4.16
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0812 LF 1-3/4" ID, 0.040" Aluminum Insulation Jacketing	19.70	4.22
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0813 LF 2" ID, 0.040" Aluminum Insulation Jacketing.....	20.39	4.30
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0814 LF 2-1/4" ID, 0.040" Aluminum Insulation Jacketing	21.07	4.40
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.09	
22 07 19 00-0815 LF 2-1/2" ID, 0.040" Aluminum Insulation Jacketing	21.83	4.50
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0816 LF 2-3/4" ID, 0.040" Aluminum Insulation Jacketing	22.46	4.57
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0817 LF 3" ID, 0.040" Aluminum Insulation Jacketing.....	23.24	4.67
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.11	
22 07 19 00-0818 LF 3-1/4" ID, 0.040" Aluminum Insulation Jacketing	24.01	4.78
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.12	
22 07 19 00-0819 LF 3-1/2" ID, 0.040" Aluminum Insulation Jacketing	24.78	4.89
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.13	
22 07 19 00-0820 LF 3-3/4" ID, 0.040" Aluminum Insulation Jacketing	25.46	4.97
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.14	
22 07 19 00-0821 LF 4" ID, 0.040" Aluminum Insulation Jacketing.....	26.28	5.09
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.15	
22 07 19 00-0822 LF 4-1/4" ID, 0.040" Aluminum Insulation Jacketing	27.12	5.22
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.16	
22 07 19 00-0823 LF 4-1/2" ID, 0.040" Aluminum Insulation Jacketing	28.03	5.35
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.17	
22 07 19 00-0824 LF 4-3/4" ID, 0.040" Aluminum Insulation Jacketing	28.79	5.45
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.17	
22 07 19 00-0825 LF 5" ID, 0.040" Aluminum Insulation Jacketing.....	29.71	5.60
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.18	
22 07 19 00-0826 LF 5-1/4" ID, 0.040" Aluminum Insulation Jacketing	30.65	5.75
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.19	
22 07 19 00-0827 LF 5-1/2" ID, 0.040" Aluminum Insulation Jacketing	31.48	5.87
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.20	
22 07 19 00-0828 LF 5-3/4" ID, 0.040" Aluminum Insulation Jacketing	32.53	6.04
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.21	
22 07 19 00-0829 LF 6" ID, 0.040" Aluminum Insulation Jacketing.....	33.57	6.23
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.22	
22 07 19 00-0830 LF 6-1/4" ID, 0.040" Aluminum Insulation Jacketing	34.29	6.32
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.23	
22 07 19 00-0831 LF 6-1/2" ID, 0.040" Aluminum Insulation Jacketing	35.01	6.42
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.23	
22 07 19 00-0832 LF 7" ID, 0.040" Aluminum Insulation Jacketing.....	36.23	6.57
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.25	
22 07 19 00-0833 LF 7-1/4" ID, 0.040" Aluminum Insulation Jacketing	37.21	6.72
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.26	
22 07 19 00-0834 LF 7-1/2" ID, 0.040" Aluminum Insulation Jacketing	37.98	6.83
For Stucco Embossed, Add	0.11	
For Corrugated, Add	0.27	
22 07 19 00-0835 LF 8" ID, 0.040" Aluminum Insulation Jacketing.....	39.12	6.95
For Stucco Embossed, Add	0.11	
For Corrugated, Add	0.28	
22 07 19 00-0836 LF 8-1/2" ID, 0.040" Aluminum Insulation Jacketing	40.24	7.06
For Stucco Embossed, Add	0.12	
For Corrugated, Add	0.30	
22 07 19 00-0837 LF 9" ID, 0.040" Aluminum Insulation Jacketing.....	41.64	7.24
For Stucco Embossed, Add	0.13	
For Corrugated, Add	0.32	
22 07 19 00-0838 LF 9-1/2" ID, 0.040" Aluminum Insulation Jacketing	42.86	7.37
For Stucco Embossed, Add	0.13	
For Corrugated, Add	0.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0839 LF 10" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	44.05 0.14	7.50
22 07 19 00-0840 LF 10-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i>	45.28 0.15	7.63
22 07 19 00-0841 LF 11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	46.80 0.15	7.86
22 07 19 00-0842 LF 11-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i>	48.11 0.16	8.01
22 07 19 00-0843 LF 12" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	49.41 0.17	8.16
22 07 19 00-0844 LF 12-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i>	51.05 0.17	8.40
22 07 19 00-0845 LF 13" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	52.07 0.18	8.49
22 07 19 00-0846 LF 14" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	53.80 0.20	8.57
22 07 19 00-0847 LF 15" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	55.86 0.21	8.75
22 07 19 00-0848 LF 16" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	57.60 0.22	8.84
22 07 19 00-0849 LF 17" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	59.71 0.24	9.03
22 07 19 00-0850 LF 18" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	61.02 0.24	9.13
22 07 19 00-0851 LF 19" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	63.65 0.26	9.33
22 07 19 00-0852 LF 20" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	65.44 0.28	9.44
22 07 19 00-0853 LF 21" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	67.65 0.29	9.66
22 07 19 00-0854 LF 22" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	69.45 0.30	9.77
22 07 19 00-0855 LF 23" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	71.76 0.32	10.00
22 07 19 00-0856 LF 24" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i>	73.58 0.33	10.12

22 07 19 00-0857 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0595)

22 07 19 00-0858 EA 1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	22.34	3.92
22 07 19 00-0859 EA 1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	22.92	4.06
22 07 19 00-0860 EA 2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.27	4.22
22 07 19 00-0861 EA 2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.53	4.29
22 07 19 00-0862 EA 2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.80	4.36
22 07 19 00-0863 EA 2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	26.23	4.47
22 07 19 00-0864 EA 3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	27.39	4.58
22 07 19 00-0865 EA 3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	27.86	4.70
22 07 19 00-0866 EA 3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	29.83	4.78
22 07 19 00-0867 EA 3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	30.45	4.86
22 07 19 00-0868 EA 4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	31.49	4.99
22 07 19 00-0869 EA 4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	32.19	5.09
22 07 19 00-0870 EA 4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	32.57	5.18
22 07 19 00-0871 EA 4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	32.97	5.28
22 07 19 00-0872 EA 5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	34.88	5.38
22 07 19 00-0873 EA 5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	37.37	5.49
22 07 19 00-0874 EA 5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	41.83	5.66
22 07 19 00-0875 EA 5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	42.31	5.78
22 07 19 00-0876 EA 6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	40.25	5.96
22 07 19 00-0877 EA 6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	40.78	6.11
22 07 19 00-0878 EA 6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	44.96	6.32
22 07 19 00-0879 EA 7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	49.76	6.46
22 07 19 00-0880 EA 7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	50.07	6.54
22 07 19 00-0881 EA 7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	61.64	6.62
22 07 19 00-0882 EA 8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	53.01	6.70
22 07 19 00-0883 EA 8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	75.92	6.86
22 07 19 00-0884 EA 9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	76.62	7.04

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0885 EA 9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	64.17	7.13
22 07 19 00-0886 EA 10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	64.56	7.22
22 07 19 00-0887 EA 10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	65.71	7.32
22 07 19 00-0888 EA 11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	66.10	7.42
22 07 19 00-0889 EA 11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	71.91	7.62
22 07 19 00-0890 EA 12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	72.34	7.73
22 07 19 00-0891 EA 12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	105.53	7.96
22 07 19 00-0892 EA 13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	106.01	8.08
22 07 19 00-0893 EA 14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	132.11	8.32
22 07 19 00-0894 EA 15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	137.64	8.58
22 07 19 00-0895 EA 16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	147.58	8.72
22 07 19 00-0896 EA 2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	24.34	4.36
22 07 19 00-0897 EA 2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	24.77	4.47
22 07 19 00-0898 EA 3" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	26.13	4.58
22 07 19 00-0899 EA 3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	26.60	4.70
22 07 19 00-0900 EA 3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing.....	28.01	4.78
22 07 19 00-0901 EA 3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	28.35	4.86
22 07 19 00-0902 EA 4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	29.03	4.99
22 07 19 00-0903 EA 4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.68	5.09
22 07 19 00-0904 EA 4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	31.06	5.18
22 07 19 00-0905 EA 4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	31.46	5.28
22 07 19 00-0906 EA 5" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	33.67	5.38
22 07 19 00-0907 EA 5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.11	5.49
22 07 19 00-0908 EA 5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	35.37	5.66
22 07 19 00-0909 EA 6" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	36.61	5.96
22 07 19 00-0910 EA 6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	42.83	6.32
22 07 19 00-0911 EA 7" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	43.42	6.46
22 07 19 00-0912 EA 7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	44.20	6.62
22 07 19 00-0913 EA 8" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	44.52	6.70
22 07 19 00-0914 EA 8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	49.53	6.86
22 07 19 00-0915 EA 9" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	50.23	7.04
22 07 19 00-0916 EA 9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	59.16	7.13
22 07 19 00-0917 EA 10" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	59.55	7.22
22 07 19 00-0918 EA 10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	57.95	7.32
22 07 19 00-0919 EA 11" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	58.34	7.42
22 07 19 00-0920 EA 11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	64.93	7.62
22 07 19 00-0921 EA 12" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	65.36	7.73
22 07 19 00-0922 EA 13" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	72.71	8.08
22 07 19 00-0923 EA 14" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	82.86	8.32
22 07 19 00-0924 EA 15" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	110.70	8.58
22 07 19 00-0925 EA 16" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	117.67	8.72
22 07 19 00-0926 EA 17" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	116.28	8.86
22 07 19 00-0927 EA 18" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	128.24	9.00
22 07 19 00-0928 EA 19" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	149.27	9.15
22 07 19 00-0929 EA 20" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	146.18	9.30
22 07 19 00-0930 EA 21" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	155.49	9.46
22 07 19 00-0931 EA 2-1/2" ID, Aluminum Tee Insulation Jacketing.....	72.44	6.24
22 07 19 00-0932 EA 2-3/4" ID, Aluminum Tee Insulation Jacketing.....	73.02	6.39
22 07 19 00-0933 EA 3" ID, Aluminum Tee Insulation Jacketing.....	79.79	6.54
22 07 19 00-0934 EA 3-1/4" ID, Aluminum Tee Insulation Jacketing.....	80.42	6.70
22 07 19 00-0935 EA 3-1/2" ID Aluminum Tee Insulation Jacketing.....	83.67	6.86
22 07 19 00-0936 EA 4" ID, Aluminum Tee Insulation Jacketing.....	84.98	7.04
22 07 19 00-0937 EA 4-1/4" ID, Aluminum Tee Insulation Jacketing.....	89.01	7.22
22 07 19 00-0938 EA 4-1/2" ID, Aluminum Tee Insulation Jacketing.....	89.28	7.42
22 07 19 00-0939 EA 4-3/4" ID, Aluminum Tee Insulation Jacketing.....	90.11	7.62
22 07 19 00-0940 EA 5" ID, Aluminum Tee Insulation Jacketing.....	93.21	7.85
22 07 19 00-0941 EA 5-1/4" ID, Aluminum Tee Insulation Jacketing.....	94.14	8.08
22 07 19 00-0942 EA 5-1/2" ID, Aluminum Tee Insulation Jacketing.....	97.85	8.32
22 07 19 00-0943 EA 6" ID, Aluminum Tee Insulation Jacketing.....	98.89	8.58
22 07 19 00-0944 EA 6-1/2" ID, Aluminum Tee Insulation Jacketing.....	107.54	9.15
22 07 19 00-0945 EA 7" ID, Aluminum Tee Insulation Jacketing.....	108.80	9.46
22 07 19 00-0946 EA 7-1/2" ID, Aluminum Tee Insulation Jacketing.....	118.10	9.81
22 07 19 00-0947 EA 8" ID, Aluminum Tee Insulation Jacketing.....	119.54	10.17
22 07 19 00-0948 EA 8-1/2" ID, Aluminum Tee Insulation Jacketing.....	123.19	10.56
22 07 19 00-0949 EA 9" ID, Aluminum Tee Insulation Jacketing.....	124.88	10.98
22 07 19 00-0950 EA 9-1/2" ID, Aluminum Tee Insulation Jacketing.....	104.91	11.20
22 07 19 00-0951 EA 10" ID, Aluminum Tee Insulation Jacketing.....	105.84	11.44
22 07 19 00-0952 EA 10-1/2" ID, Aluminum Tee Insulation Jacketing.....	110.74	11.69
22 07 19 00-0953 EA 11" ID, Aluminum Tee Insulation Jacketing.....	111.76	11.94
22 07 19 00-0954 EA 11-1/2" ID, Aluminum Tee Insulation Jacketing.....	116.30	12.20
22 07 19 00-0955 EA 12" ID, Aluminum Tee Insulation Jacketing.....	117.41	12.48
22 07 19 00-0956 EA 13" ID, Aluminum Tee Insulation Jacketing.....	121.92	12.77
22 07 19 00-0957 EA 14" ID, Aluminum Tee Insulation Jacketing.....	126.62	13.08
22 07 19 00-0958 EA 15" ID, Aluminum Tee Insulation Jacketing.....	133.96	13.40
22 07 19 00-0959 EA 16" ID, Aluminum Tee Insulation Jacketing.....	137.32	13.73
22 07 19 00-0960 EA 17" ID, Aluminum Tee Insulation Jacketing.....	151.05	14.08
22 07 19 00-0961 EA 18" ID, Aluminum Tee Insulation Jacketing.....	156.22	14.45
22 07 19 00-0962 EA 19" ID, Aluminum Tee Insulation Jacketing.....	168.20	14.85
22 07 19 00-0963 EA 20" ID, Aluminum Tee Insulation Jacketing.....	172.22	15.26
22 07 19 00-0964 EA 22" ID, Aluminum Tee Insulation Jacketing.....	204.24	15.69
22 07 19 00-0965 EA 23" ID, Aluminum Tee Insulation Jacketing.....	210.01	16.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0966 EA 24" ID, Aluminum Tee Insulation Jacketing.....	220.05	17.71
22 07 19 00-0967 Stainless Steel Insulation Protective Jacketing With Bands <small>(22 07 19 00-0594)</small>		
22 07 19 00-0968 Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands <small>(22 07 19 00-0967)</small>		
22 07 19 00-0969 SF 0.010" Stainless Steel Insulation Jacket With Bands.....	24.91	10.30
22 07 19 00-0970 SF 0.016" Stainless Steel Insulation Jacket With Bands.....	30.40	12.35
22 07 19 00-0971 10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands <small>(22 07 19 00-0967)</small>		
22 07 19 00-0972 LF 2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.98	2.19
22 07 19 00-0973 LF 2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.52	2.24
22 07 19 00-0974 LF 3" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.08	2.29
22 07 19 00-0975 LF 3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.66	2.33
22 07 19 00-0976 LF 3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.25	2.38
22 07 19 00-0977 LF 3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.83	2.44
22 07 19 00-0978 LF 4" ID, 0.010" Stainless Steel Insulation Jacketing.....	16.42	2.49
22 07 19 00-0979 LF 4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.02	2.55
22 07 19 00-0980 LF 4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.63	2.62
22 07 19 00-0981 LF 5" ID, 0.010" Stainless Steel Insulation Jacketing.....	18.91	2.75
22 07 19 00-0982 LF 5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	20.23	2.89
22 07 19 00-0983 LF 6" ID, 0.010" Stainless Steel Insulation Jacketing.....	21.61	3.05
22 07 19 00-0984 LF 6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	22.70	3.14
22 07 19 00-0985 LF 7" ID, 0.010" Stainless Steel Insulation Jacketing.....	23.82	3.23
22 07 19 00-0986 LF 7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	25.04	3.35
22 07 19 00-0987 LF 8" ID, 0.010" Stainless Steel Insulation Jacketing.....	26.03	3.41
22 07 19 00-0988 LF 8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	27.03	3.48
22 07 19 00-0989 LF 9" ID, 0.010" Stainless Steel Insulation Jacketing.....	28.05	3.54
22 07 19 00-0990 LF 9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	29.07	3.61
22 07 19 00-0991 LF 10" ID, 0.010" Stainless Steel Insulation Jacketing.....	30.11	3.68
22 07 19 00-0992 LF 10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	31.17	3.76
22 07 19 00-0993 LF 11" ID, 0.010" Stainless Steel Insulation Jacketing.....	32.22	3.84
22 07 19 00-0994 LF 12" ID, 0.010" Stainless Steel Insulation Jacketing.....	34.37	4.01
22 07 19 00-0995 LF 13" ID, 0.010" Stainless Steel Insulation Jacketing.....	36.48	4.16
22 07 19 00-0996 LF 14" ID, 0.010" Stainless Steel Insulation Jacketing.....	38.22	4.22
22 07 19 00-0997 16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands <small>(22 07 19 00-0967)</small>		
22 07 19 00-0998 LF 2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	17.77	2.92
22 07 19 00-0999 LF 2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	18.55	2.98
22 07 19 00-1000 LF 3" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.32	3.05
22 07 19 00-1001 LF 3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	20.14	3.11
22 07 19 00-1002 LF 3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	20.95	3.18
22 07 19 00-1003 LF 3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	21.77	3.25
22 07 19 00-1004 LF 4" ID, 0.016" Stainless Steel Insulation Jacketing.....	22.60	3.32
22 07 19 00-1005 LF 4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	23.45	3.40
22 07 19 00-1006 LF 4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	24.31	3.48
22 07 19 00-1007 LF 5" ID, 0.016" Stainless Steel Insulation Jacketing.....	26.09	3.65
22 07 19 00-1008 LF 5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	27.95	3.84
22 07 19 00-1009 LF 6" ID, 0.016" Stainless Steel Insulation Jacketing.....	29.87	4.05
22 07 19 00-1010 LF 6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	31.42	4.17
22 07 19 00-1011 LF 7" ID, 0.016" Stainless Steel Insulation Jacketing.....	33.00	4.29
22 07 19 00-1012 LF 7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	34.69	4.46
22 07 19 00-1013 LF 8" ID, 0.016" Stainless Steel Insulation Jacketing.....	36.10	4.54
22 07 19 00-1014 LF 8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	37.52	4.63
22 07 19 00-1015 LF 9" ID, 0.016" Stainless Steel Insulation Jacketing.....	38.98	4.71
22 07 19 00-1016 LF 9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	40.42	4.81
22 07 19 00-1017 LF 10" ID, 0.016" Stainless Steel Insulation Jacketing.....	41.88	4.90
22 07 19 00-1018 LF 10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	43.38	5.00
22 07 19 00-1019 LF 11" ID, 0.0106 Stainless Steel Insulation Jacketing.....	44.88	5.11
22 07 19 00-1020 LF 12" ID, 0.016" Stainless Steel Insulation Jacketing.....	47.91	5.33
22 07 19 00-1021 LF 13" ID, 0.016" Stainless Steel Insulation Jacketing.....	50.89	5.53
22 07 19 00-1022 LF 14" ID, 0.016" Stainless Steel Insulation Jacketing.....	53.38	5.62
22 07 19 00-1023 Type 316 Stainless Steel Insulation Protective Jacketing For Fittings <small>(22 07 19 00-0967)</small>		
22 07 19 00-1024 EA 2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	35.95	4.36
22 07 19 00-1025 EA 2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	36.38	4.47
22 07 19 00-1026 EA 3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	37.67	4.58
22 07 19 00-1027 EA 3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	38.14	4.70
22 07 19 00-1028 EA 3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	39.44	4.78
22 07 19 00-1029 EA 3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	40.94	4.86
22 07 19 00-1030 EA 4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	43.60	4.99
22 07 19 00-1031 EA 4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	51.75	5.09
22 07 19 00-1032 EA 4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	52.13	5.18
22 07 19 00-1033 EA 5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	53.66	5.38



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

22 07 19 00-1034	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	70.54	5.66
22 07 19 00-1035	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	76.46	5.96
22 07 19 00-1036	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	97.62	6.32
22 07 19 00-1037	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	98.21	6.46
22 07 19 00-1038	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	110.96	6.62
22 07 19 00-1039	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	111.96	6.86
22 07 19 00-1040	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	114.84	6.86
22 07 19 00-1041	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	161.07	7.04
22 07 19 00-1042	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	159.11	7.13
22 07 19 00-1043	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	159.50	7.22
22 07 19 00-1044	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	185.54	7.32
22 07 19 00-1045	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	178.84	7.42
22 07 19 00-1046	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	200.28	7.73
22 07 19 00-1047	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	266.92	8.08
22 07 19 00-1048	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	269.48	8.32
22 07 19 00-1049	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	32.87	4.36
22 07 19 00-1050	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.30	4.47
22 07 19 00-1051	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	34.92	4.58
22 07 19 00-1052	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.39	4.70
22 07 19 00-1053	EA	3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.92	4.78
22 07 19 00-1054	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	36.26	4.86
22 07 19 00-1055	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	41.59	4.99
22 07 19 00-1056	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	50.68	5.09
22 07 19 00-1057	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	51.06	5.18
22 07 19 00-1058	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	51.46	5.28
22 07 19 00-1059	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	52.39	5.38
22 07 19 00-1060	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	53.50	5.66
22 07 19 00-1061	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	60.49	5.96
22 07 19 00-1062	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	61.86	6.32
22 07 19 00-1063	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	87.78	6.46
22 07 19 00-1064	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	89.68	6.62
22 07 19 00-1065	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	90.00	6.70
22 07 19 00-1066	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	101.43	6.86
22 07 19 00-1067	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	102.13	7.04
22 07 19 00-1068	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	115.37	7.13
22 07 19 00-1069	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	115.76	7.22
22 07 19 00-1070	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	133.66	7.32
22 07 19 00-1071	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	134.05	7.42
22 07 19 00-1072	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	144.29	7.73
22 07 19 00-1073	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	165.69	8.08

22 07 19 00-1074 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0594)

22 07 19 00-1075 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1074)

22 07 19 00-1076	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.57	2.03
22 07 19 00-1077	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.35	2.11
22 07 19 00-1078	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.05	2.19
22 07 19 00-1079	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.89	2.29
22 07 19 00-1080	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.65	2.38
22 07 19 00-1081	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.50	2.49
22 07 19 00-1082	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.38	2.62
22 07 19 00-1083	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.26	2.75
22 07 19 00-1084	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.26	2.89
22 07 19 00-1085	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.31	3.05
22 07 19 00-1086	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.08	3.14
22 07 19 00-1087	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.81	3.23
22 07 19 00-1088	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	19.76	3.35
22 07 19 00-1089	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	20.36	3.41
22 07 19 00-1090	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.04	3.48
22 07 19 00-1091	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.72	3.54
22 07 19 00-1092	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	22.42	3.61
22 07 19 00-1093	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.07	3.68
22 07 19 00-1094	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.79	3.76
22 07 19 00-1095	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	24.52	3.84
22 07 19 00-1096	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	25.26	3.92
22 07 19 00-1097	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	25.96	4.01
22 07 19 00-1098	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	26.80	4.09
22 07 19 00-1099	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	27.40	4.16
22 07 19 00-1100	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	27.82	4.16
22 07 19 00-1101	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	28.49	4.22
22 07 19 00-1102	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	29.59	4.29
22 07 19 00-1103	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	30.63	4.36
22 07 19 00-1104	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	31.74	4.43
22 07 19 00-1105	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	32.86	4.51
22 07 19 00-1106	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	33.95	4.58
22 07 19 00-1107	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	35.09	4.66
22 07 19 00-1108	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	36.18	4.74
22 07 19 00-1109	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	37.35	4.82
22 07 19 00-1110	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	38.46	4.90
22 07 19 00-1111	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	39.65	4.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1112 LF 25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	40.85	5.09
22 07 19 00-1113 LF 26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	42.01	5.18
22 07 19 00-1114 LF 27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	43.24	5.28
22 07 19 00-1115 LF 28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	44.42	5.38
22 07 19 00-1116 LF 29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	45.69	5.49
22 07 19 00-1117 LF 30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	46.98	5.60
22 07 19 00-1118 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1074)		
22 07 19 00-1119 LF 2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.24	2.11
22 07 19 00-1120 LF 2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.18	2.19
22 07 19 00-1121 LF 3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.19	2.29
22 07 19 00-1122 LF 3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.14	2.38
22 07 19 00-1123 LF 4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.16	2.49
22 07 19 00-1124 LF 4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.23	2.62
22 07 19 00-1125 LF 5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.34	2.75
22 07 19 00-1126 LF 5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.52	2.89
22 07 19 00-1127 LF 6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.75	3.05
22 07 19 00-1128 LF 6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.70	3.14
22 07 19 00-1129 LF 7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.66	3.23
22 07 19 00-1130 LF 7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	22.79	3.35
22 07 19 00-1131 LF 8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	23.63	3.41
22 07 19 00-1132 LF 8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	24.48	3.48
22 07 19 00-1133 LF 9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	25.35	3.54
22 07 19 00-1134 LF 9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	26.22	3.61
22 07 19 00-1135 LF 10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	27.12	3.68
22 07 19 00-1136 LF 10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	28.01	3.76
22 07 19 00-1137 LF 11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	28.92	3.84
22 07 19 00-1138 LF 11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	29.84	3.92
22 07 19 00-1139 LF 12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	30.78	4.01
22 07 19 00-1140 LF 12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	31.79	4.09
22 07 19 00-1141 LF 13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	32.63	4.16
22 07 19 00-1142 LF 13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	33.23	4.16
22 07 19 00-1143 LF 14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	34.08	4.22
22 07 19 00-1144 LF 15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	35.53	4.29
22 07 19 00-1145 LF 16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	36.99	4.36
22 07 19 00-1146 LF 17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	38.46	4.43
22 07 19 00-1147 LF 18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	40.00	4.51
22 07 19 00-1148 LF 19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	41.50	4.58
22 07 19 00-1149 LF 20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	43.00	4.66
22 07 19 00-1150 LF 21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	44.51	4.74
22 07 19 00-1151 LF 22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	46.03	4.82
22 07 19 00-1152 LF 23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	47.56	4.90
22 07 19 00-1153 LF 24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	49.10	4.99
22 07 19 00-1154 LF 25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	50.72	5.09
22 07 19 00-1155 LF 26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	52.29	5.18
22 07 19 00-1156 LF 27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	53.88	5.28
22 07 19 00-1157 LF 28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	55.48	5.38
22 07 19 00-1158 LF 29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	57.11	5.49
22 07 19 00-1159 LF 30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	58.75	5.60
22 07 19 00-1160 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-1074)		
22 07 19 00-1161 EA 1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.54	4.06
22 07 19 00-1162 EA 2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.94	4.22
22 07 19 00-1163 EA 2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.68	4.29
22 07 19 00-1164 EA 2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.42	4.36
22 07 19 00-1165 EA 2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	23.27	4.47
22 07 19 00-1166 EA 3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.02	4.58
22 07 19 00-1167 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	25.42	4.74
22 07 19 00-1168 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	26.69	4.86
22 07 19 00-1169 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	29.13	4.99
22 07 19 00-1170 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	31.98	5.23
22 07 19 00-1171 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	34.87	5.49
22 07 19 00-1172 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	40.13	5.78
22 07 19 00-1173 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	52.77	6.11
22 07 19 00-1174 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	55.10	6.32
22 07 19 00-1175 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	63.24	6.46
22 07 19 00-1176 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	65.70	6.62
22 07 19 00-1177 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	77.94	6.86
22 07 19 00-1178 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	95.95	7.13
22 07 19 00-1179 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	104.96	7.42
22 07 19 00-1180 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	117.22	7.73
22 07 19 00-1181 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	141.24	8.08
22 07 19 00-1182 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	157.79	8.32
22 07 19 00-1183 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	168.10	8.58
22 07 19 00-1184 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	180.90	8.72
22 07 19 00-1185 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	197.45	8.86
22 07 19 00-1186 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	245.01	9.00
22 07 19 00-1187 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	320.35	9.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1188 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	401.89	9.30
22 07 19 00-1189 EA 1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	19.54	4.06
22 07 19 00-1190 EA 2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	20.94	4.22
22 07 19 00-1191 EA 2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.68	4.29
22 07 19 00-1192 EA 2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.42	4.36
22 07 19 00-1193 EA 2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	23.27	4.47
22 07 19 00-1194 EA 3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.02	4.58
22 07 19 00-1195 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	25.42	4.74
22 07 19 00-1196 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	26.69	4.86
22 07 19 00-1197 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	29.13	4.99
22 07 19 00-1198 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	31.98	5.23
22 07 19 00-1199 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	34.87	5.49
22 07 19 00-1200 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	40.13	5.78
22 07 19 00-1201 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	52.77	6.11
22 07 19 00-1202 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	55.10	6.32
22 07 19 00-1203 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	63.24	6.46
22 07 19 00-1204 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	65.70	6.62
22 07 19 00-1205 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	77.94	6.86
22 07 19 00-1206 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	95.95	7.13
22 07 19 00-1207 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	104.90	7.42
22 07 19 00-1208 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	113.89	7.73
22 07 19 00-1209 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	124.89	8.08
22 07 19 00-1210 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	139.06	8.32
22 07 19 00-1211 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	147.83	8.58
22 07 19 00-1212 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	164.49	8.72
22 07 19 00-1213 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	181.39	8.86
22 07 19 00-1214 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	214.39	9.00
22 07 19 00-1215 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	279.92	9.15
22 07 19 00-1216 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	312.82	9.30
22 07 19 00-1217 EA 1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	29.06	5.72
22 07 19 00-1218 EA 2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	30.38	5.84
22 07 19 00-1219 EA 2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	31.75	6.03
22 07 19 00-1220 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	33.28	6.24
22 07 19 00-1221 EA 2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	35.00	6.46
22 07 19 00-1222 EA 3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	36.71	6.70
22 07 19 00-1223 EA 3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	39.22	6.95
22 07 19 00-1224 EA 3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	41.87	7.22
22 07 19 00-1225 EA 4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	45.43	7.52
22 07 19 00-1226 EA 4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	50.47	7.85
22 07 19 00-1227 EA 5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	55.74	8.20
22 07 19 00-1228 EA 5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	65.37	8.72
22 07 19 00-1229 EA 6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	76.69	9.15
22 07 19 00-1230 EA 6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	86.82	9.30
22 07 19 00-1231 EA 7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	118.68	9.64
22 07 19 00-1232 EA 7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	128.55	10.17
22 07 19 00-1233 EA 8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	149.15	10.56
22 07 19 00-1234 EA 9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	169.98	10.98
22 07 19 00-1235 EA 10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	173.30	11.44
22 07 19 00-1236 EA 11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	188.43	11.69
22 07 19 00-1237 EA 12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	203.60	11.94
22 07 19 00-1238 EA 14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	218.92	12.20
22 07 19 00-1239 EA 15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	234.12	12.48
22 07 19 00-1240 EA 16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	249.49	12.77
22 07 19 00-1241 EA 17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	264.75	13.08
22 07 19 00-1242 EA 18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	287.43	13.40
22 07 19 00-1243 EA 19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	310.06	13.73
22 07 19 00-1244 EA 20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	337.44	14.08
22 07 19 00-1245 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	41.55	3.92
22 07 19 00-1246 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	41.55	3.92
22 07 19 00-1247 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	49.03	4.06
22 07 19 00-1248 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	49.03	4.06
22 07 19 00-1249 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	68.57	4.22
22 07 19 00-1250 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	74.95	4.40
22 07 19 00-1251 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	82.59	4.58
22 07 19 00-1252 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	93.48	4.78
22 07 19 00-1253 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	102.86	4.99
22 07 19 00-1254 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	125.01	5.49
22 07 19 00-1255 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	176.63	6.11
22 07 19 00-1256 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	193.23	6.86
22 07 19 00-1257 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	241.38	7.32
22 07 19 00-1258 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	337.33	8.08
22 07 19 00-1259 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	339.36	8.45
22 07 19 00-1260 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	450.43	8.72
22 07 19 00-1261 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	607.53	9.00
22 07 19 00-1262 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	38.70	3.92
22 07 19 00-1263 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	38.70	3.92
22 07 19 00-1264 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	45.58	4.06
22 07 19 00-1265 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	45.58	4.06
22 07 19 00-1266 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	62.92	4.22
22 07 19 00-1267 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	68.65	4.40
22 07 19 00-1268 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	75.69	4.58



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1269	EA			3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	79.63	4.78
22 07 19 00-1270	EA			4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	93.70	4.99
22 07 19 00-1271	EA			5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	113.66	5.49
22 07 19 00-1272	EA			6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	159.92	6.11
22 07 19 00-1273	EA			8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	174.92	6.86
22 07 19 00-1274	EA			10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	218.07	7.32
22 07 19 00-1275	EA			12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	303.98	8.08
22 07 19 00-1276	EA			14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	387.16	8.45
22 07 19 00-1277	EA			16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	462.97	8.72
22 07 19 00-1278	EA			18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	541.29	9.00
22 07 19 00-1279	EA			3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	57.33	5.90
22 07 19 00-1280	EA			1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	57.33	5.90
22 07 19 00-1281	EA			1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	66.98	6.11
22 07 19 00-1282	EA			1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	66.98	6.11
22 07 19 00-1283	EA			2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	92.38	6.32
22 07 19 00-1284	EA			2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	100.83	6.54
22 07 19 00-1285	EA			3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	111.00	6.86
22 07 19 00-1286	EA			3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	117.05	7.13
22 07 19 00-1287	EA			4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	138.19	7.52
22 07 19 00-1288	EA			5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	151.89	8.20
22 07 19 00-1289	EA			6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	212.79	9.15
22 07 19 00-1290	EA			8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	231.65	10.17
22 07 19 00-1291	EA			10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	319.70	10.98
22 07 19 00-1292	EA			12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	444.17	11.94
22 07 19 00-1293	EA			14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	529.90	12.77
22 07 19 00-1294	EA			16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	626.67	13.08
22 07 19 00-1295	EA			18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	686.34	13.40

22 10 Plumbing Piping ⁽²²⁾

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution ^(22 10)

22 11 16 Domestic Water Piping ^(22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies ^(22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002	LF			1 1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	22.34	5.42
				Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
				<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	5.56	
				<i>For ASTM 120, Deduct</i>	-0.65	
				<i>For Work In Restricted Working Space, Add</i>	5.39	
22 11 16 00-0003	LF			3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	24.47	5.82
				Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
				<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.26	
				<i>For ASTM 120, Deduct</i>	-0.82	
				<i>For Work In Restricted Working Space, Add</i>	5.71	
22 11 16 00-0004	LF			1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	27.64	6.37
				Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
				<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	7.36	
				<i>For ASTM 120, Deduct</i>	-1.10	
				<i>For Work In Restricted Working Space, Add</i>	6.10	
22 11 16 00-0005	LF			1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	32.06	6.64
				Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
				<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	9.03	
				<i>For ASTM 120, Deduct</i>	-1.57	
				<i>For Work In Restricted Working Space, Add</i>	6.47	
22 11 16 00-0006	LF			1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	34.53	7.86
				Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
				<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	9.91	
				<i>For ASTM 120, Deduct</i>	-1.80	
				<i>For Work In Restricted Working Space, Add</i>	6.75	
22 11 16 00-0007	LF			2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	41.66	9.48
				Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
				<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	12.34	
				<i>For ASTM 120, Deduct</i>	-2.41	
				<i>For Work In Restricted Working Space, Add</i>	7.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0008 LF 2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 60.75		11.24
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	19.83	
For ASTM 120, Deduct	-4.61	
For Work In Restricted Working Space, Add	9.01	
22 11 16 00-0009 LF 3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 74.58		15.04
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	24.47	
For ASTM 120, Deduct	-5.73	
For Work In Restricted Working Space, Add	10.91	
22 11 16 00-0010 LF 4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 113.25		16.16
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	41.53	
For ASTM 120, Deduct	-11.33	
For Work In Restricted Working Space, Add	11.33	
22 11 16 00-0011 LF 5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 202.55		20.65
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	79.75	
For ASTM 120, Deduct	-23.54	
For Work In Restricted Working Space, Add	13.68	
22 11 16 00-0012 LF 6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 245.41		24.42
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	97.48	
For ASTM 120, Deduct	-29.04	
For Work In Restricted Working Space, Add	15.54	
22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings ^(22 11 16)		
Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ^(22 11 16 00-0013)		
Note: ASTM A-53. Includes coupling. Welded pipe has a weld bead on the inside.		
22 11 16 00-0015 LF 1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe 10.56		5.42
For Schedule 80 Pipe, Add	1.95	
For ASTM 120, Deduct	-0.35	
For Work In Restricted Working Space, Add	2.46	
22 11 16 00-0016 LF 3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe 11.85		5.82
For Schedule 80 Pipe, Add	2.37	
For ASTM 120, Deduct	-0.47	
For Work In Restricted Working Space, Add	2.62	
22 11 16 00-0017 LF 1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe 14.08		6.37
For Schedule 80 Pipe, Add	3.16	
For ASTM 120, Deduct	-0.69	
For Work In Restricted Working Space, Add	2.84	
22 11 16 00-0018 LF 1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe 16.28		6.64
For Schedule 80 Pipe, Add	4.00	
For ASTM 120, Deduct	-0.94	
For Work In Restricted Working Space, Add	3.01	
22 11 16 00-0019 LF 1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe 19.24		7.86
For Schedule 80 Pipe, Add	4.76	
For ASTM 120, Deduct	-1.12	
For Work In Restricted Working Space, Add	3.53	
22 11 16 00-0020 LF 2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe 24.28		9.48
For Schedule 80 Pipe, Add	6.24	
For ASTM 120, Deduct	-1.50	
For Work In Restricted Working Space, Add	4.28	
22 11 16 00-0021 LF 2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe 32.84		11.24
For Schedule 80 Pipe, Add	9.33	
For ASTM 120, Deduct	-2.39	
For Work In Restricted Working Space, Add	5.08	
22 11 16 00-0022 LF 3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe 43.39		15.04
For Schedule 80 Pipe, Add	12.25	
For ASTM 120, Deduct	-3.12	
For Work In Restricted Working Space, Add	6.77	
22 11 16 00-0023 LF 4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe 53.92		16.16
For Schedule 80 Pipe, Add	16.65	
For ASTM 120, Deduct	-4.44	
For Work In Restricted Working Space, Add	7.29	
22 11 16 00-0024 LF 5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe 70.65		20.65
For Schedule 80 Pipe, Add	22.16	
For ASTM 120, Deduct	-5.96	
For Work In Restricted Working Space, Add	9.28	
22 11 16 00-0025 LF 6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe 88.12		24.42
For Schedule 80 Pipe, Add	28.40	
For ASTM 120, Deduct	-7.73	
For Work In Restricted Working Space, Add	10.97	
22 11 16 00-0026 LF 8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe 99.86		29.52
For Schedule 80 Pipe, Add	31.14	
For ASTM 120, Deduct	-8.35	
For Work In Restricted Working Space, Add	13.25	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0027				Seamless, Threaded And Coupled, Galvanized Steel Pipe <small>(22 11 16 00-0013)</small>		
				Note: ASTM A-53. Includes coupling.		
22 11 16 00-0028	LF			1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	12.18	5.42
				<i>For Schedule 80 Pipe, Add</i>	2.73	
				<i>For ASTM 120, Deduct</i>	-0.60	
				<i>For Work In Restricted Working Space, Add</i>	2.46	
22 11 16 00-0029	LF			3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	13.50	5.82
				<i>For Schedule 80 Pipe, Add</i>	3.16	
				<i>For ASTM 120, Deduct</i>	-0.71	
				<i>For Work In Restricted Working Space, Add</i>	2.62	
22 11 16 00-0030	LF			1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	15.00	6.37
				<i>For Schedule 80 Pipe, Add</i>	3.60	
				<i>For ASTM 120, Deduct</i>	-0.83	
				<i>For Work In Restricted Working Space, Add</i>	2.84	
22 11 16 00-0031	LF			1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	16.99	6.64
				<i>For Schedule 80 Pipe, Add</i>	4.34	
				<i>For ASTM 120, Deduct</i>	-1.04	
				<i>For Work In Restricted Working Space, Add</i>	3.01	
22 11 16 00-0032	LF			1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	19.72	7.86
				<i>For Schedule 80 Pipe, Add</i>	4.99	
				<i>For ASTM 120, Deduct</i>	-1.19	
				<i>For Work In Restricted Working Space, Add</i>	3.53	
22 11 16 00-0033	LF			2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	23.30	9.48
				<i>For Schedule 80 Pipe, Add</i>	5.77	
				<i>For ASTM 120, Deduct</i>	-1.36	
				<i>For Work In Restricted Working Space, Add</i>	4.28	
22 11 16 00-0034	LF			2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	32.07	11.24
				<i>For Schedule 80 Pipe, Add</i>	8.96	
				<i>For ASTM 120, Deduct</i>	-2.27	
				<i>For Work In Restricted Working Space, Add</i>	5.08	
22 11 16 00-0035	LF			3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	41.08	15.04
				<i>For Schedule 80 Pipe, Add</i>	11.14	
				<i>For ASTM 120, Deduct</i>	-2.78	
				<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0036	LF			4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	50.75	16.16
				<i>For Schedule 80 Pipe, Add</i>	15.13	
				<i>For ASTM 120, Deduct</i>	-3.97	
				<i>For Work In Restricted Working Space, Add</i>	7.29	
22 11 16 00-0037	LF			5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	65.44	20.65
				<i>For Schedule 80 Pipe, Add</i>	19.66	
				<i>For ASTM 120, Deduct</i>	-5.18	
				<i>For Work In Restricted Working Space, Add</i>	9.28	
22 11 16 00-0038	LF			6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	80.74	24.42
				<i>For Schedule 80 Pipe, Add</i>	24.85	
				<i>For ASTM 120, Deduct</i>	-6.62	
				<i>For Work In Restricted Working Space, Add</i>	10.97	
22 11 16 00-0039				Galvanized Malleable Iron 90 Degree Elbows <small>(22 11 16 00-0013)</small>		
22 11 16 00-0040	EA			1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	42.50	24.12
				<i>For 300 LB Rating, Add</i>	23.83	
				<i>For ASTM 120, Deduct</i>	-0.96	
				<i>For Work In Restricted Working Space, Add</i>	10.84	
22 11 16 00-0041	EA			3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	48.26	26.97
				<i>For 300 LB Rating, Add</i>	29.01	
				<i>For ASTM 120, Deduct</i>	-1.17	
				<i>For Work In Restricted Working Space, Add</i>	12.13	
22 11 16 00-0042	EA			1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	59.65	30.07
				<i>For 300 LB Rating, Add</i>	51.98	
				<i>For ASTM 120, Deduct</i>	-2.17	
				<i>For Work In Restricted Working Space, Add</i>	13.55	
22 11 16 00-0043	EA			1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	74.02	34.15
				<i>For 300 LB Rating, Add</i>	80.93	
				<i>For ASTM 120, Deduct</i>	-3.44	
				<i>For Work In Restricted Working Space, Add</i>	15.34	
22 11 16 00-0044	EA			1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	87.53	38.48
				<i>For 300 LB Rating, Add</i>	105.05	
				<i>For ASTM 120, Deduct</i>	-4.48	
				<i>For Work In Restricted Working Space, Add</i>	17.30	
22 11 16 00-0045	EA			2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	122.18	48.91
				<i>For 300 LB Rating, Add</i>	170.82	
				<i>For ASTM 120, Deduct</i>	-7.34	
				<i>For Work In Restricted Working Space, Add</i>	21.97	
22 11 16 00-0046	EA			2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	236.48	72.35
				<i>For 300 LB Rating, Add</i>	442.01	
				<i>For ASTM 120, Deduct</i>	-19.21	
				<i>For Work In Restricted Working Space, Add</i>	32.52	
22 11 16 00-0047	EA			3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	353.80	95.11
				<i>For 300 LB Rating, Add</i>	726.57	
				<i>For ASTM 120, Deduct</i>	-31.68	
				<i>For Work In Restricted Working Space, Add</i>	42.79	
22 11 16 00-0048	EA			4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	514.20	94.52
				<i>For 300 LB Rating, Add</i>	1,274.87	
				<i>For ASTM 120, Deduct</i>	-55.87	
				<i>For Work In Restricted Working Space, Add</i>	42.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0049 EA 5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,756.38 5,477.71 -241.27 44.37	98.65
22 11 16 00-0050 EA 6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,637.47 5,050.93 -222.43 46.39	103.14
22 11 16 00-0051 EA 8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,950.54 6,092.13 -268.34 48.48	107.78
22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0053 EA 3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	51.89 -2.04 11.49	25.47
22 11 16 00-0054 EA 1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	60.25 -2.62 12.84	28.58
22 11 16 00-0055 EA 1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	59.16 -2.78 12.19	27.10
22 11 16 00-0056 EA 1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	77.42 -4.39 14.44	32.11
22 11 16 00-0057 EA 1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	80.95 -5.28 13.73	30.49
22 11 16 00-0058 EA 1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	80.89 -5.59 13.09	29.13
22 11 16 00-0059 EA 1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	101.17 -7.02 16.31	36.31
22 11 16 00-0060 EA 1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	98.20 -7.02 15.42	34.28
22 11 16 00-0061 EA 1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	95.83 -7.02 14.71	32.65
22 11 16 00-0062 EA 2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	120.10 -8.20 19.63	43.63
22 11 16 00-0063 EA 2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	124.84 -9.40 18.65	41.46
22 11 16 00-0064 EA 2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	124.21 -9.75 17.76	39.43
22 11 16 00-0065 EA 2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	106.16 -7.40 17.05	37.94
22 11 16 00-0066 EA 2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	276.07 -27.79 27.24	60.56
22 11 16 00-0067 EA 2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	289.43 -30.96 24.91	55.42
22 11 16 00-0068 EA 3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	462.22 -50.51 37.65	83.73
22 11 16 00-0069 EA 3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	400.39 -43.87 32.38	71.94
22 11 16 00-0070 EA 4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	896.79 -114.30 40.45	89.90
22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)		
22 11 16 00-0072 EA 1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	43.63 27.67 -1.13 10.84	24.12
22 11 16 00-0073 EA 3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	51.22 39.08 -1.62 12.13	26.97
22 11 16 00-0074 EA 1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	57.33 44.09 -1.83 13.55	30.07



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0075	EA			1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	73.86	34.15
				<i>For 300 LB Rating, Add</i>	80.38	
				<i>For ASTM 120, Deduct</i>	-3.41	
				<i>For Work In Restricted Working Space, Add</i>	15.34	
22 11 16 00-0076	EA			1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	84.36	38.48
				<i>For 300 LB Rating, Add</i>	94.27	
				<i>For ASTM 120, Deduct</i>	-4.01	
				<i>For Work In Restricted Working Space, Add</i>	17.30	
22 11 16 00-0077	EA			2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	112.76	48.91
				<i>For 300 LB Rating, Add</i>	138.80	
				<i>For ASTM 120, Deduct</i>	-5.93	
				<i>For Work In Restricted Working Space, Add</i>	21.97	
22 11 16 00-0078	EA			2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	245.92	72.35
				<i>For 300 LB Rating, Add</i>	474.11	
				<i>For ASTM 120, Deduct</i>	-20.63	
				<i>For Work In Restricted Working Space, Add</i>	32.52	
22 11 16 00-0079	EA			3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	342.65	95.11
				<i>For 300 LB Rating, Add</i>	688.66	
				<i>For ASTM 120, Deduct</i>	-30.00	
				<i>For Work In Restricted Working Space, Add</i>	42.79	
22 11 16 00-0080	EA			4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	477.09	94.52
				<i>For 300 LB Rating, Add</i>	1,148.69	
				<i>For ASTM 120, Deduct</i>	-50.30	
				<i>For Work In Restricted Working Space, Add</i>	42.52	
22 11 16 00-0081	EA			5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	1,502.97	98.65
				<i>For 300 LB Rating, Add</i>	4,616.11	
				<i>For ASTM 120, Deduct</i>	-203.26	
				<i>For Work In Restricted Working Space, Add</i>	44.37	
22 11 16 00-0082	EA			6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	1,788.53	103.14
				<i>For 300 LB Rating, Add</i>	5,564.54	
				<i>For ASTM 120, Deduct</i>	-245.09	
				<i>For Work In Restricted Working Space, Add</i>	46.39	
22 11 16 00-0083	EA			8", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	2,129.96	107.78
				<i>For 300 LB Rating, Add</i>	6,702.15	
				<i>For ASTM 120, Deduct</i>	-295.26	
				<i>For Work In Restricted Working Space, Add</i>	48.48	
22 11 16 00-0084				Galvanized Malleable Iron Tees <small>(22 11 16 00-0013)</small>		
22 11 16 00-0085	EA			1/2", 150 LB, Galvanized Malleable Iron Tee.....	53.41	30.07
				<i>For 300 LB Rating, Add</i>	30.76	
				<i>For ASTM 120, Deduct</i>	-1.24	
				<i>For Work In Restricted Working Space, Add</i>	13.55	
22 11 16 00-0086	EA			3/4", 150 LB, Galvanized Malleable Iron Tee.....	65.72	34.82
				<i>For 300 LB Rating, Add</i>	49.40	
				<i>For ASTM 120, Deduct</i>	-2.04	
				<i>For Work In Restricted Working Space, Add</i>	15.63	
22 11 16 00-0087	EA			1", 150 LB, Galvanized Malleable Iron Tee.....	83.58	41.06
				<i>For 300 LB Rating, Add</i>	78.49	
				<i>For ASTM 120, Deduct</i>	-3.30	
				<i>For Work In Restricted Working Space, Add</i>	18.47	
22 11 16 00-0088	EA			1-1/4", 150 LB, Galvanized Malleable Iron Tee.....	108.14	48.91
				<i>For 300 LB Rating, Add</i>	123.09	
				<i>For ASTM 120, Deduct</i>	-5.24	
				<i>For Work In Restricted Working Space, Add</i>	21.97	
22 11 16 00-0089	EA			1-1/2", 150 LB, Galvanized Malleable Iron Tee.....	130.80	58.26
				<i>For 300 LB Rating, Add</i>	152.77	
				<i>For ASTM 120, Deduct</i>	-6.51	
				<i>For Work In Restricted Working Space, Add</i>	26.22	
22 11 16 00-0090	EA			2", 150 LB, Galvanized Malleable Iron Tee.....	178.92	72.35
				<i>For 300 LB Rating, Add</i>	246.31	
				<i>For ASTM 120, Deduct</i>	-10.58	
				<i>For Work In Restricted Working Space, Add</i>	32.52	
22 11 16 00-0091	EA			2-1/2", 150 LB, Galvanized Malleable Iron Tee.....	316.40	78.58
				<i>For 300 LB Rating, Add</i>	682.24	
				<i>For ASTM 120, Deduct</i>	-29.79	
				<i>For Work In Restricted Working Space, Add</i>	35.35	
22 11 16 00-0092	EA			3", 150 LB, Galvanized Malleable Iron Tee.....	375.49	95.11
				<i>For 300 LB Rating, Add</i>	800.32	
				<i>For ASTM 120, Deduct</i>	-34.93	
				<i>For Work In Restricted Working Space, Add</i>	42.79	
22 11 16 00-0093	EA			4", 150 LB, Galvanized Malleable Iron Tee.....	729.93	119.43
				<i>For 300 LB Rating, Add</i>	1,883.77	
				<i>For ASTM 120, Deduct</i>	-82.63	
				<i>For Work In Restricted Working Space, Add</i>	53.71	
22 11 16 00-0094	EA			5", 150 LB, Galvanized Malleable Iron Tee.....	1,944.29	141.78
				<i>For 300 LB Rating, Add</i>	5,900.47	
				<i>For ASTM 120, Deduct</i>	-259.75	
				<i>For Work In Restricted Working Space, Add</i>	63.78	
22 11 16 00-0095	EA			6", 150 LB, Galvanized Malleable Iron Tee.....	2,207.12	162.07
				<i>For 300 LB Rating, Add</i>	6,692.62	
				<i>For ASTM 120, Deduct</i>	-294.62	
				<i>For Work In Restricted Working Space, Add</i>	72.90	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0096	EA		8", 150 LB, Galvanized Malleable Iron Tee.....	2,625.33	192.44
			<i>For 300 LB Rating, Add</i>	7,952.21	
			<i>For ASTM 120, Deduct</i>	-350.06	
			<i>For Work In Restricted Working Space, Add</i>	87.48	
22 11 16 00-0097			Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)		
22 11 16 00-0098	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	64.34	30.07
			<i>For 300 LB Rating, Add</i>	67.92	
			<i>For ASTM 120, Deduct</i>	-2.88	
			<i>For Work In Restricted Working Space, Add</i>	13.55	
22 11 16 00-0099	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	71.02	34.82
			<i>For 300 LB Rating, Add</i>	67.42	
			<i>For ASTM 120, Deduct</i>	-2.84	
			<i>For Work In Restricted Working Space, Add</i>	15.63	
22 11 16 00-0100	EA		1", 150 LB, Galvanized Malleable Iron Reducing Tee.....	88.15	41.06
			<i>For 300 LB Rating, Add</i>	94.03	
			<i>For ASTM 120, Deduct</i>	-3.99	
			<i>For Work In Restricted Working Space, Add</i>	18.47	
22 11 16 00-0101	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	114.44	48.91
			<i>For 300 LB Rating, Add</i>	144.51	
			<i>For ASTM 120, Deduct</i>	-6.18	
			<i>For Work In Restricted Working Space, Add</i>	21.97	
22 11 16 00-0102	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	138.31	58.26
			<i>For 300 LB Rating, Add</i>	178.30	
			<i>For ASTM 120, Deduct</i>	-7.64	
			<i>For Work In Restricted Working Space, Add</i>	26.22	
22 11 16 00-0103	EA		2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	182.70	72.35
			<i>For 300 LB Rating, Add</i>	259.16	
			<i>For ASTM 120, Deduct</i>	-11.15	
			<i>For Work In Restricted Working Space, Add</i>	32.52	
22 11 16 00-0104	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	380.64	78.85
			<i>For 300 LB Rating, Add</i>	899.45	
			<i>For ASTM 120, Deduct</i>	-39.37	
			<i>For Work In Restricted Working Space, Add</i>	35.45	
22 11 16 00-0105	EA		3", 150 LB, Galvanized Malleable Iron Reducing Tee.....	485.26	96.61
			<i>For 300 LB Rating, Add</i>	1,166.02	
			<i>For ASTM 120, Deduct</i>	-51.06	
			<i>For Work In Restricted Working Space, Add</i>	43.46	
22 11 16 00-0106	EA		4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	1,165.79	119.43
			<i>For 300 LB Rating, Add</i>	3,365.69	
			<i>For ASTM 120, Deduct</i>	-148.01	
			<i>For Work In Restricted Working Space, Add</i>	53.71	
22 11 16 00-0107	EA		5", 150 LB, Galvanized Malleable Iron Reducing Tee.....	2,500.78	141.78
			<i>For 300 LB Rating, Add</i>	7,792.53	
			<i>For ASTM 120, Deduct</i>	-343.23	
			<i>For Work In Restricted Working Space, Add</i>	63.78	
22 11 16 00-0108	EA		6", 150 LB, Galvanized Malleable Iron Reducing Tee.....	2,838.96	162.07
			<i>For 300 LB Rating, Add</i>	8,840.88	
			<i>For ASTM 120, Deduct</i>	-389.40	
			<i>For Work In Restricted Working Space, Add</i>	72.90	
22 11 16 00-0109	EA		8", 150 LB, Galvanized Malleable Iron Reducing Tee.....	3,409.50	186.11
			<i>For 300 LB Rating, Add</i>	10,659.00	
			<i>For ASTM 120, Deduct</i>	-469.51	
			<i>For Work In Restricted Working Space, Add</i>	83.83	
22 11 16 00-0110			Galvanized Malleable Iron Couplings (22 11 16 00-0013)		
22 11 16 00-0111	EA		1/2", 150 LB, Galvanized Malleable Iron Coupling.....	42.42	24.12
			<i>For 300 LB Rating, Add</i>	23.55	
			<i>For ASTM 120, Deduct</i>	-0.94	
			<i>For Work In Restricted Working Space, Add</i>	10.84	
22 11 16 00-0112	EA		3/4", 150 LB, Galvanized Malleable Iron Coupling.....	47.69	26.97
			<i>For 300 LB Rating, Add</i>	27.08	
			<i>For ASTM 120, Deduct</i>	-1.09	
			<i>For Work In Restricted Working Space, Add</i>	12.13	
22 11 16 00-0113	EA		1", 150 LB, Galvanized Malleable Iron Coupling.....	57.04	30.07
			<i>For 300 LB Rating, Add</i>	43.10	
			<i>For ASTM 120, Deduct</i>	-1.78	
			<i>For Work In Restricted Working Space, Add</i>	13.55	
22 11 16 00-0114	EA		1-1/4", 150 LB, Galvanized Malleable Iron Coupling.....	67.87	34.15
			<i>For 300 LB Rating, Add</i>	60.02	
			<i>For ASTM 120, Deduct</i>	-2.51	
			<i>For Work In Restricted Working Space, Add</i>	15.34	
22 11 16 00-0115	EA		1-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	76.69	38.48
			<i>For 300 LB Rating, Add</i>	68.20	
			<i>For ASTM 120, Deduct</i>	-2.86	
			<i>For Work In Restricted Working Space, Add</i>	17.30	
22 11 16 00-0116	EA		2", 150 LB, Galvanized Malleable Iron Coupling.....	101.07	48.91
			<i>For 300 LB Rating, Add</i>	99.05	
			<i>For ASTM 120, Deduct</i>	-4.18	
			<i>For Work In Restricted Working Space, Add</i>	21.97	



	Plumbing	22
	Plumbing Piping	22 10
	Facility Water Distribution	22 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0117 EA 2-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	193.61	72.35
For 300 LB Rating, Add	296.25	
For ASTM 120, Deduct	-12.78	
For Work In Restricted Working Space, Add	32.52	
22 11 16 00-0118 EA 3", 150 LB, Galvanized Malleable Iron Coupling.....	256.52	95.11
For 300 LB Rating, Add	395.82	
For ASTM 120, Deduct	-17.09	
For Work In Restricted Working Space, Add	42.79	
22 11 16 00-0119 EA 4", 150 LB, Galvanized Malleable Iron Coupling.....	383.64	94.52
For 300 LB Rating, Add	830.96	
For ASTM 120, Deduct	-36.29	
For Work In Restricted Working Space, Add	42.52	
22 11 16 00-0120 EA 5", 150 LB, Galvanized Malleable Iron Coupling.....	829.04	98.65
For 300 LB Rating, Add	2,324.75	
For ASTM 120, Deduct	-102.17	
For Work In Restricted Working Space, Add	44.37	
22 11 16 00-0121 EA 6", 150 LB, Galvanized Malleable Iron Coupling.....	930.63	103.14
For 300 LB Rating, Add	2,647.68	
For ASTM 120, Deduct	-116.40	
For Work In Restricted Working Space, Add	46.39	
22 11 16 00-0122 EA 8", 150 LB, Galvanized Malleable Iron Coupling.....	1,096.83	107.78
For 300 LB Rating, Add	3,189.51	
For ASTM 120, Deduct	-140.29	
For Work In Restricted Working Space, Add	48.48	
22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)		
22 11 16 00-0124 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	43.76	24.12
For 300 LB Rating, Add	28.11	
For ASTM 120, Deduct	-1.14	
For Work In Restricted Working Space, Add	10.84	
22 11 16 00-0125 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	48.60	26.97
For 300 LB Rating, Add	30.17	
For ASTM 120, Deduct	-1.22	
For Work In Restricted Working Space, Add	12.13	
22 11 16 00-0126 EA 1", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	58.76	30.07
For 300 LB Rating, Add	48.95	
For ASTM 120, Deduct	-2.04	
For Work In Restricted Working Space, Add	13.55	
22 11 16 00-0127 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	68.70	34.15
For 300 LB Rating, Add	62.84	
For ASTM 120, Deduct	-2.64	
For Work In Restricted Working Space, Add	15.34	
22 11 16 00-0128 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	80.32	38.48
For 300 LB Rating, Add	80.54	
For ASTM 120, Deduct	-3.40	
For Work In Restricted Working Space, Add	17.30	
22 11 16 00-0129 EA 2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	104.16	48.91
For 300 LB Rating, Add	109.56	
For ASTM 120, Deduct	-4.64	
For Work In Restricted Working Space, Add	21.97	
22 11 16 00-0130 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	194.69	72.35
For 300 LB Rating, Add	299.92	
For ASTM 120, Deduct	-12.95	
For Work In Restricted Working Space, Add	32.52	
22 11 16 00-0131 EA 3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	253.29	95.11
For 300 LB Rating, Add	384.84	
For ASTM 120, Deduct	-16.60	
For Work In Restricted Working Space, Add	42.79	
22 11 16 00-0132 EA 4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	389.87	94.52
For 300 LB Rating, Add	852.15	
For ASTM 120, Deduct	-37.22	
For Work In Restricted Working Space, Add	42.52	
22 11 16 00-0133 EA 5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	864.89	98.65
For 300 LB Rating, Add	2,446.64	
For ASTM 120, Deduct	-107.55	
For Work In Restricted Working Space, Add	44.37	
22 11 16 00-0134 EA 6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	971.47	103.14
For 300 LB Rating, Add	2,786.53	
For ASTM 120, Deduct	-122.53	
For Work In Restricted Working Space, Add	46.39	
22 11 16 00-0135 EA 8", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	1,146.42	107.78
For 300 LB Rating, Add	3,358.12	
For ASTM 120, Deduct	-147.72	
For Work In Restricted Working Space, Add	48.48	
22 11 16 00-0136 Galvanized Malleable Iron Caps (22 11 16 00-0013)		
22 11 16 00-0137 EA 1/2", 150 LB, Galvanized Malleable Iron Cap	19.24	11.24
For 300 LB Rating, Add	8.84	
For ASTM 120, Deduct	-0.35	
For Work In Restricted Working Space, Add	5.08	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0138	EA		3/4", 150 LB, Galvanized Malleable Iron Cap	21.24	12.06
			<i>For 300 LB Rating, Add</i>	11.90	
			<i>For ASTM 120, Deduct</i>	-0.48	
			<i>For Work In Restricted Working Space, Add</i>	5.42	
22 11 16 00-0139	EA		1", 150 LB, Galvanized Malleable Iron Cap	24.79	13.95
			<i>For 300 LB Rating, Add</i>	14.68	
			<i>For ASTM 120, Deduct</i>	-0.59	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
22 11 16 00-0140	EA		1-1/4", 150 LB, Galvanized Malleable Iron Cap	27.06	14.63
			<i>For 300 LB Rating, Add</i>	18.99	
			<i>For ASTM 120, Deduct</i>	-0.78	
			<i>For Work In Restricted Working Space, Add</i>	6.56	
22 11 16 00-0141	EA		1-1/2", 150 LB, Galvanized Malleable Iron Cap	26.73	14.63
			<i>For 300 LB Rating, Add</i>	17.87	
			<i>For ASTM 120, Deduct</i>	-0.73	
			<i>For Work In Restricted Working Space, Add</i>	6.56	
22 11 16 00-0142	EA		2", 150 LB, Galvanized Malleable Iron Cap	39.56	19.37
			<i>For 300 LB Rating, Add</i>	37.18	
			<i>For ASTM 120, Deduct</i>	-1.56	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
22 11 16 00-0143	EA		2-1/2", 150 LB, Galvanized Malleable Iron Cap	59.51	24.12
			<i>For 300 LB Rating, Add</i>	81.66	
			<i>For ASTM 120, Deduct</i>	-3.51	
			<i>For Work In Restricted Working Space, Add</i>	10.84	
22 11 16 00-0144	EA		3", 150 LB, Galvanized Malleable Iron Cap	76.98	29.13
			<i>For 300 LB Rating, Add</i>	115.77	
			<i>For ASTM 120, Deduct</i>	-4.99	
			<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-0145	EA		4", 150 LB, Galvanized Malleable Iron Cap	110.82	32.43
			<i>For 300 LB Rating, Add</i>	214.46	
			<i>For ASTM 120, Deduct</i>	-9.33	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
22 11 16 00-0146	EA		5", 150 LB, Galvanized Malleable Iron Cap	267.30	40.58
			<i>For 300 LB Rating, Add</i>	705.92	
			<i>For ASTM 120, Deduct</i>	-30.98	
			<i>For Work In Restricted Working Space, Add</i>	18.23	
22 11 16 00-0147	EA		6", 150 LB, Galvanized Malleable Iron Cap	332.70	48.23
			<i>For 300 LB Rating, Add</i>	889.43	
			<i>For ASTM 120, Deduct</i>	-39.05	
			<i>For Work In Restricted Working Space, Add</i>	21.71	
22 11 16 00-0148	EA		8", 150 LB, Galvanized Malleable Iron Cap	418.15	53.89
			<i>For 300 LB Rating, Add</i>	1,151.87	
			<i>For ASTM 120, Deduct</i>	-50.60	
			<i>For Work In Restricted Working Space, Add</i>	24.24	
22 11 16 00-0149			Galvanized Malleable Iron FIP Threaded, Unions (22 11 16 00-0013)		
22 11 16 00-0150	EA		1/2", 150 LB, Galvanized Malleable Iron Union	61.49	30.07
			<i>For Work In Restricted Working Space, Add</i>	13.55	
22 11 16 00-0151	EA		3/4", 150 LB, Galvanized Malleable Iron Union	70.87	34.82
			<i>For Work In Restricted Working Space, Add</i>	15.63	
22 11 16 00-0152	EA		1", 150 LB, Galvanized Malleable Iron Union	86.15	41.06
			<i>For Work In Restricted Working Space, Add</i>	18.47	
22 11 16 00-0153	EA		1-1/4", 150 LB, Galvanized Malleable Iron Union	108.75	48.91
			<i>For Work In Restricted Working Space, Add</i>	21.97	
22 11 16 00-0154	EA		1-1/2", 150 LB, Galvanized Malleable Iron Union	130.45	58.26
			<i>For Work In Restricted Working Space, Add</i>	26.22	
22 11 16 00-0155	EA		2", 150 LB, Galvanized Malleable Iron Union	157.87	72.35
			<i>For Work In Restricted Working Space, Add</i>	32.52	
22 11 16 00-0156	EA		2-1/2", 150 LB, Galvanized Malleable Iron Union	331.87	106.62
			<i>For Work In Restricted Working Space, Add</i>	48.00	
22 11 16 00-0157	EA		3", 150 LB, Galvanized Malleable Iron Union	451.08	140.23
			<i>For Work In Restricted Working Space, Add</i>	63.16	
22 11 16 00-0158	EA		1/2", 250 LB, Galvanized Malleable Iron Union	78.36	30.07
			<i>For Work In Restricted Working Space, Add</i>	13.55	
22 11 16 00-0159	EA		3/4", 250 LB, Galvanized Malleable Iron Union	82.28	34.82
			<i>For Work In Restricted Working Space, Add</i>	15.63	
22 11 16 00-0160	EA		1", 250 LB, Galvanized Malleable Iron Union	98.97	41.06
			<i>For Work In Restricted Working Space, Add</i>	18.47	
22 11 16 00-0161	EA		1-1/4", 250 LB, Galvanized Malleable Iron Union	129.87	48.91
			<i>For Work In Restricted Working Space, Add</i>	21.97	
22 11 16 00-0162	EA		1-1/2", 250 LB, Galvanized Malleable Iron Union	152.61	58.26
			<i>For Work In Restricted Working Space, Add</i>	26.22	
22 11 16 00-0163	EA		2", 250 LB, Galvanized Malleable Iron Union	200.47	72.35
			<i>For Work In Restricted Working Space, Add</i>	32.52	
22 11 16 00-0164	EA		2-1/2", 250 LB, Galvanized Malleable Iron Union	402.24	106.62
			<i>For Work In Restricted Working Space, Add</i>	48.00	
22 11 16 00-0165	EA		3", 250 LB, Galvanized Malleable Iron Union	582.18	140.23
			<i>For Work In Restricted Working Space, Add</i>	63.16	
22 11 16 00-0166	EA		4", 250 LB, Galvanized Malleable Iron Union	792.23	139.47
			<i>For Work In Restricted Working Space, Add</i>	62.77	
22 11 16 00-0167	EA		1/2", 300 LB, Galvanized Malleable Iron Union	82.99	30.07
			<i>For Work In Restricted Working Space, Add</i>	13.55	
22 11 16 00-0168	EA		3/4", 300 LB, Galvanized Malleable Iron Union	93.13	34.82
			<i>For Work In Restricted Working Space, Add</i>	15.63	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0169	EA		1", 300 LB, Galvanized Malleable Iron Union.....	115.99	41.06
			<i>For Work In Restricted Working Space, Add</i>	18.47	
22 11 16 00-0170	EA		1-1/4", 300 LB, Galvanized Malleable Iron Union	149.11	48.91
			<i>For Work In Restricted Working Space, Add</i>	21.97	
22 11 16 00-0171	EA		1-1/2", 300 LB, Galvanized Malleable Iron Union	178.78	58.26
			<i>For Work In Restricted Working Space, Add</i>	26.22	
22 11 16 00-0172	EA		2", 300 LB, Galvanized Malleable Iron Union.....	218.06	72.35
			<i>For Work In Restricted Working Space, Add</i>	32.52	
22 11 16 00-0173	EA		2-1/2", 300 LB, Galvanized Malleable Iron Union	465.92	106.62
			<i>For Work In Restricted Working Space, Add</i>	48.00	
22 11 16 00-0174	EA		3", 300 LB, Galvanized Malleable Iron Union.....	727.91	140.23
			<i>For Work In Restricted Working Space, Add</i>	63.16	
22 11 16 00-0175	EA		4", 300 LB, Galvanized Malleable Iron Union.....	1,506.84	139.47
			<i>For Work In Restricted Working Space, Add</i>	62.77	
22 11 16 00-0176	Galvanized Steel Nipples <small>(22 11 16 00-0013)</small>				
	Note: ASTM A-53.				
22 11 16 00-0177	EA		3/8" x Close, Schedule 40 Galvanized Steel Nipple.....	21.91	12.87
			<i>For Schedule 80 Nipples, Add</i>	2.92	
			<i>For ASTM 120, Deduct</i>	-0.38	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0178	EA		1/2" x Close, Schedule 40 Galvanized Steel Nipple.....	21.42	12.87
			<i>For Schedule 80 Nipples, Add</i>	2.36	
			<i>For ASTM 120, Deduct</i>	-0.31	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0179	EA		3/4" x Close, Schedule 40 Galvanized Steel Nipple.....	21.86	12.87
			<i>For Schedule 80 Nipples, Add</i>	2.86	
			<i>For ASTM 120, Deduct</i>	-0.38	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0180	EA		1" x Close, Schedule 40 Galvanized Steel Nipple.....	24.29	13.95
			<i>For Schedule 80 Nipples, Add</i>	3.93	
			<i>For ASTM 120, Deduct</i>	-0.52	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
22 11 16 00-0181	EA		1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	27.20	15.04
			<i>For Schedule 80 Nipples, Add</i>	5.27	
			<i>For ASTM 120, Deduct</i>	-0.69	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0182	EA		1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	28.01	15.04
			<i>For Schedule 80 Nipples, Add</i>	6.19	
			<i>For ASTM 120, Deduct</i>	-0.81	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0183	EA		2" x Close, Schedule 40 Galvanized Steel Nipple.....	36.79	19.37
			<i>For Schedule 80 Nipples, Add</i>	8.72	
			<i>For ASTM 120, Deduct</i>	-1.15	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
22 11 16 00-0184	EA		2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	58.90	24.12
			<i>For Schedule 80 Nipples, Add</i>	25.96	
			<i>For ASTM 120, Deduct</i>	-3.42	
			<i>For Work In Restricted Working Space, Add</i>	10.84	
22 11 16 00-0185	EA		3" x Close, Schedule 40 Galvanized Steel Nipple.....	70.98	29.13
			<i>For Schedule 80 Nipples, Add</i>	31.10	
			<i>For ASTM 120, Deduct</i>	-4.09	
			<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-0186	EA		4" x Close, Schedule 40 Galvanized Steel Nipple.....	89.49	32.43
			<i>For Schedule 80 Nipples, Add</i>	46.61	
			<i>For ASTM 120, Deduct</i>	-6.13	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
22 11 16 00-0187	EA		3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.29	12.87
			<i>For Schedule 80 Nipples, Add</i>	3.35	
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0188	EA		1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.53	12.87
			<i>For Schedule 80 Nipples, Add</i>	2.49	
			<i>For ASTM 120, Deduct</i>	-0.33	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0189	EA		3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.09	12.87
			<i>For Schedule 80 Nipples, Add</i>	3.12	
			<i>For ASTM 120, Deduct</i>	-0.41	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0190	EA		3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	22.29	12.87
			<i>For Schedule 80 Nipples, Add</i>	3.35	
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0191	EA		1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	21.53	12.87
			<i>For Schedule 80 Nipples, Add</i>	2.49	
			<i>For ASTM 120, Deduct</i>	-0.33	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0192	EA		3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	22.09	12.87
			<i>For Schedule 80 Nipples, Add</i>	3.12	
			<i>For ASTM 120, Deduct</i>	-0.41	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0193	EA		1" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	24.91	13.95
			<i>For Schedule 80 Nipples, Add</i>	4.64	
			<i>For ASTM 120, Deduct</i>	-0.61	
			<i>For Work In Restricted Working Space, Add</i>	6.25	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0194	EA		1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	27.54	15.04
			<i>For Schedule 80 Nipples, Add</i>	5.65	
			<i>For ASTM 120, Deduct</i>	-0.74	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0195	EA		1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	28.41	15.04
			<i>For Schedule 80 Nipples, Add</i>	6.65	
			<i>For ASTM 120, Deduct</i>	-0.87	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0196	EA		3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	23.26	12.87
			<i>For Schedule 80 Nipples, Add</i>	4.46	
			<i>For ASTM 120, Deduct</i>	-0.59	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0197	EA		1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.91	12.87
			<i>For Schedule 80 Nipples, Add</i>	2.92	
			<i>For ASTM 120, Deduct</i>	-0.38	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0198	EA		3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.37	12.87
			<i>For Schedule 80 Nipples, Add</i>	3.44	
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0199	EA		1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	25.24	13.95
			<i>For Schedule 80 Nipples, Add</i>	5.02	
			<i>For ASTM 120, Deduct</i>	-0.66	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
22 11 16 00-0200	EA		1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.03	15.04
			<i>For Schedule 80 Nipples, Add</i>	6.21	
			<i>For ASTM 120, Deduct</i>	-0.82	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0201	EA		1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	29.07	15.04
			<i>For Schedule 80 Nipples, Add</i>	7.40	
			<i>For ASTM 120, Deduct</i>	-0.97	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0202	EA		2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	37.75	19.37
			<i>For Schedule 80 Nipples, Add</i>	9.82	
			<i>For ASTM 120, Deduct</i>	-1.29	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
22 11 16 00-0203	EA		3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	23.26	12.87
			<i>For Schedule 80 Nipples, Add</i>	4.46	
			<i>For ASTM 120, Deduct</i>	-0.59	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0204	EA		1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	21.91	12.87
			<i>For Schedule 80 Nipples, Add</i>	2.92	
			<i>For ASTM 120, Deduct</i>	-0.38	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0205	EA		3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	22.37	12.87
			<i>For Schedule 80 Nipples, Add</i>	3.44	
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0206	EA		1" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	25.24	13.95
			<i>For Schedule 80 Nipples, Add</i>	5.02	
			<i>For ASTM 120, Deduct</i>	-0.66	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
22 11 16 00-0207	EA		1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	28.03	15.04
			<i>For Schedule 80 Nipples, Add</i>	6.21	
			<i>For ASTM 120, Deduct</i>	-0.82	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0208	EA		1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	29.07	15.04
			<i>For Schedule 80 Nipples, Add</i>	7.40	
			<i>For ASTM 120, Deduct</i>	-0.97	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0209	EA		2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	37.75	19.37
			<i>For Schedule 80 Nipples, Add</i>	9.82	
			<i>For ASTM 120, Deduct</i>	-1.29	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
22 11 16 00-0210	EA		2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	59.77	24.12
			<i>For Schedule 80 Nipples, Add</i>	26.95	
			<i>For ASTM 120, Deduct</i>	-3.55	
			<i>For Work In Restricted Working Space, Add</i>	10.84	
22 11 16 00-0211	EA		3" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	74.74	29.13
			<i>For Schedule 80 Nipples, Add</i>	35.39	
			<i>For ASTM 120, Deduct</i>	-4.66	
			<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-0212	EA		3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	24.00	12.87
			<i>For Schedule 80 Nipples, Add</i>	5.30	
			<i>For ASTM 120, Deduct</i>	-0.70	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0213	EA		1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.51	12.87
			<i>For Schedule 80 Nipples, Add</i>	3.60	
			<i>For ASTM 120, Deduct</i>	-0.47	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0214	EA		3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.26	12.87
			<i>For Schedule 80 Nipples, Add</i>	4.46	
			<i>For ASTM 120, Deduct</i>	-0.59	
			<i>For Work In Restricted Working Space, Add</i>	5.81	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0215	EA			1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....26.13		13.95
				<i>For Schedule 80 Nipples, Add</i>	6.03	
				<i>For ASTM 120, Deduct</i>	-0.79	
				<i>For Work In Restricted Working Space, Add</i>	6.25	
22 11 16 00-0216	EA			1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....29.07		15.04
				<i>For Schedule 80 Nipples, Add</i>	7.40	
				<i>For ASTM 120, Deduct</i>	-0.97	
				<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0217	EA			1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....30.78		15.04
				<i>For Schedule 80 Nipples, Add</i>	9.35	
				<i>For ASTM 120, Deduct</i>	-1.23	
				<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0218	EA			2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....39.59		19.37
				<i>For Schedule 80 Nipples, Add</i>	11.91	
				<i>For ASTM 120, Deduct</i>	-1.57	
				<i>For Work In Restricted Working Space, Add</i>	8.74	
22 11 16 00-0219	EA			2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....63.57		24.12
				<i>For Schedule 80 Nipples, Add</i>	31.28	
				<i>For ASTM 120, Deduct</i>	-4.12	
				<i>For Work In Restricted Working Space, Add</i>	10.84	
22 11 16 00-0220	EA			3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....80.12		29.13
				<i>For Schedule 80 Nipples, Add</i>	41.52	
				<i>For ASTM 120, Deduct</i>	-5.46	
				<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-0221	EA			3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple .....24.00		12.87
				<i>For Schedule 80 Nipples, Add</i>	5.30	
				<i>For ASTM 120, Deduct</i>	-0.70	
				<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0222	EA			1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple .....22.51		12.87
				<i>For Schedule 80 Nipples, Add</i>	3.60	
				<i>For ASTM 120, Deduct</i>	-0.47	
				<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0223	EA			3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple .....24.00		12.87
				<i>For Schedule 80 Nipples, Add</i>	5.30	
				<i>For ASTM 120, Deduct</i>	-0.70	
				<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0224	EA			1" x 4" Long, Schedule 40 Galvanized Steel Nipple .....26.13		13.95
				<i>For Schedule 80 Nipples, Add</i>	6.03	
				<i>For ASTM 120, Deduct</i>	-0.79	
				<i>For Work In Restricted Working Space, Add</i>	6.25	
22 11 16 00-0225	EA			1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple .....29.07		15.04
				<i>For Schedule 80 Nipples, Add</i>	7.40	
				<i>For ASTM 120, Deduct</i>	-0.97	
				<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0226	EA			1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple .....30.78		15.04
				<i>For Schedule 80 Nipples, Add</i>	9.35	
				<i>For ASTM 120, Deduct</i>	-1.23	
				<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0227	EA			2" x 4" Long, Schedule 40 Galvanized Steel Nipple .....39.68		19.37
				<i>For Schedule 80 Nipples, Add</i>	12.02	
				<i>For ASTM 120, Deduct</i>	-1.58	
				<i>For Work In Restricted Working Space, Add</i>	8.74	
22 11 16 00-0228	EA			2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple .....63.57		24.12
				<i>For Schedule 80 Nipples, Add</i>	31.28	
				<i>For ASTM 120, Deduct</i>	-4.12	
				<i>For Work In Restricted Working Space, Add</i>	10.84	
22 11 16 00-0229	EA			3" x 4" Long, Schedule 40 Galvanized Steel Nipple .....80.12		29.13
				<i>For Schedule 80 Nipples, Add</i>	41.52	
				<i>For ASTM 120, Deduct</i>	-5.46	
				<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-0230	EA			4" x 4" Long, Schedule 40 Galvanized Steel Nipple .....97.50		32.43
				<i>For Schedule 80 Nipples, Add</i>	55.75	
				<i>For ASTM 120, Deduct</i>	-7.34	
				<i>For Work In Restricted Working Space, Add</i>	14.58	
22 11 16 00-0231	EA			3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....25.75		12.87
				<i>For Schedule 80 Nipples, Add</i>	7.30	
				<i>For ASTM 120, Deduct</i>	-0.96	
				<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0232	EA			1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....23.15		12.87
				<i>For Schedule 80 Nipples, Add</i>	4.33	
				<i>For ASTM 120, Deduct</i>	-0.57	
				<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0233	EA			3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....24.02		12.87
				<i>For Schedule 80 Nipples, Add</i>	5.32	
				<i>For ASTM 120, Deduct</i>	-0.70	
				<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0234	EA			1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....27.33		13.95
				<i>For Schedule 80 Nipples, Add</i>	7.40	
				<i>For ASTM 120, Deduct</i>	-0.97	
				<i>For Work In Restricted Working Space, Add</i>	6.25	
22 11 16 00-0235	EA			1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple .....30.61		15.04
				<i>For Schedule 80 Nipples, Add</i>	9.15	
				<i>For ASTM 120, Deduct</i>	-1.20	
				<i>For Work In Restricted Working Space, Add</i>	6.77	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0236	EA		1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	32.50	15.04
			<i>For Schedule 80 Nipples, Add</i>	11.31	
			<i>For ASTM 120, Deduct</i>	-1.49	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0237	EA		2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	42.48	19.37
			<i>For Schedule 80 Nipples, Add</i>	15.21	
			<i>For ASTM 120, Deduct</i>	-2.00	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
22 11 16 00-0238	EA		2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	66.73	24.12
			<i>For Schedule 80 Nipples, Add</i>	34.88	
			<i>For ASTM 120, Deduct</i>	-4.59	
			<i>For Work In Restricted Working Space, Add</i>	10.84	
22 11 16 00-0239	EA		3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	86.15	29.13
			<i>For Schedule 80 Nipples, Add</i>	48.39	
			<i>For ASTM 120, Deduct</i>	-6.37	
			<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-0240	EA		4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	103.43	32.43
			<i>For Schedule 80 Nipples, Add</i>	62.51	
			<i>For ASTM 120, Deduct</i>	-8.22	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
22 11 16 00-0241	EA		3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	25.75	12.87
			<i>For Schedule 80 Nipples, Add</i>	7.30	
			<i>For ASTM 120, Deduct</i>	-0.96	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0242	EA		1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	23.15	12.87
			<i>For Schedule 80 Nipples, Add</i>	4.33	
			<i>For ASTM 120, Deduct</i>	-0.57	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0243	EA		3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	24.02	12.87
			<i>For Schedule 80 Nipples, Add</i>	5.32	
			<i>For ASTM 120, Deduct</i>	-0.70	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0244	EA		1" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	27.33	13.95
			<i>For Schedule 80 Nipples, Add</i>	7.40	
			<i>For ASTM 120, Deduct</i>	-0.97	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
22 11 16 00-0245	EA		1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	30.61	15.04
			<i>For Schedule 80 Nipples, Add</i>	9.15	
			<i>For ASTM 120, Deduct</i>	-1.20	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0246	EA		1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	32.50	15.04
			<i>For Schedule 80 Nipples, Add</i>	11.31	
			<i>For ASTM 120, Deduct</i>	-1.49	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0247	EA		2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	42.48	19.37
			<i>For Schedule 80 Nipples, Add</i>	15.21	
			<i>For ASTM 120, Deduct</i>	-2.00	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
22 11 16 00-0248	EA		2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	66.73	24.12
			<i>For Schedule 80 Nipples, Add</i>	34.88	
			<i>For ASTM 120, Deduct</i>	-4.59	
			<i>For Work In Restricted Working Space, Add</i>	10.84	
22 11 16 00-0249	EA		3" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	86.15	29.13
			<i>For Schedule 80 Nipples, Add</i>	48.39	
			<i>For ASTM 120, Deduct</i>	-6.37	
			<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-0250	EA		4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	103.43	32.43
			<i>For Schedule 80 Nipples, Add</i>	62.51	
			<i>For ASTM 120, Deduct</i>	-8.22	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
22 11 16 00-0251	EA		3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	26.47	12.87
			<i>For Schedule 80 Nipples, Add</i>	8.12	
			<i>For ASTM 120, Deduct</i>	-1.07	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0252	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	23.66	12.87
			<i>For Schedule 80 Nipples, Add</i>	4.91	
			<i>For ASTM 120, Deduct</i>	-0.65	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0253	EA		3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	24.95	12.87
			<i>For Schedule 80 Nipples, Add</i>	6.38	
			<i>For ASTM 120, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0254	EA		1" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	28.20	13.95
			<i>For Schedule 80 Nipples, Add</i>	8.39	
			<i>For ASTM 120, Deduct</i>	-1.10	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
22 11 16 00-0255	EA		1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	31.90	15.04
			<i>For Schedule 80 Nipples, Add</i>	10.62	
			<i>For ASTM 120, Deduct</i>	-1.40	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0256	EA		1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	33.74	15.04
			<i>For Schedule 80 Nipples, Add</i>	12.72	
			<i>For ASTM 120, Deduct</i>	-1.67	
			<i>For Work In Restricted Working Space, Add</i>	6.77	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0257	EA			2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	44.64	19.37
				<i>For Schedule 80 Nipples, Add</i>	17.67	
				<i>For ASTM 120, Deduct</i>	-2.33	
				<i>For Work In Restricted Working Space, Add</i>	8.74	
22 11 16 00-0258	EA			2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	69.75	24.12
				<i>For Schedule 80 Nipples, Add</i>	38.33	
				<i>For ASTM 120, Deduct</i>	-5.04	
				<i>For Work In Restricted Working Space, Add</i>	10.84	
22 11 16 00-0259	EA			3" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	88.59	29.13
				<i>For Schedule 80 Nipples, Add</i>	51.17	
				<i>For ASTM 120, Deduct</i>	-6.73	
				<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-0260	EA			4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	109.21	32.43
				<i>For Schedule 80 Nipples, Add</i>	69.10	
				<i>For ASTM 120, Deduct</i>	-9.09	
				<i>For Work In Restricted Working Space, Add</i>	14.58	
22 11 16 00-0261	EA			3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	47.79	12.87
				<i>For Schedule 80 Nipples, Add</i>	32.42	
				<i>For ASTM 120, Deduct</i>	-4.27	
				<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0262	EA			1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	26.95	12.87
				<i>For Schedule 80 Nipples, Add</i>	8.66	
				<i>For ASTM 120, Deduct</i>	-1.14	
				<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0263	EA			3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	29.07	12.87
				<i>For Schedule 80 Nipples, Add</i>	11.08	
				<i>For ASTM 120, Deduct</i>	-1.46	
				<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0264	EA			1" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	33.16	13.95
				<i>For Schedule 80 Nipples, Add</i>	14.04	
				<i>For ASTM 120, Deduct</i>	-1.85	
				<i>For Work In Restricted Working Space, Add</i>	6.25	
22 11 16 00-0265	EA			1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	37.68	15.04
				<i>For Schedule 80 Nipples, Add</i>	17.21	
				<i>For ASTM 120, Deduct</i>	-2.27	
				<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0266	EA			1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	39.90	15.04
				<i>For Schedule 80 Nipples, Add</i>	19.74	
				<i>For ASTM 120, Deduct</i>	-2.60	
				<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0267	EA			2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	54.40	19.37
				<i>For Schedule 80 Nipples, Add</i>	28.80	
				<i>For ASTM 120, Deduct</i>	-3.79	
				<i>For Work In Restricted Working Space, Add</i>	8.74	
22 11 16 00-0268	EA			2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	79.40	24.12
				<i>For Schedule 80 Nipples, Add</i>	49.33	
				<i>For ASTM 120, Deduct</i>	-6.49	
				<i>For Work In Restricted Working Space, Add</i>	10.84	
22 11 16 00-0269	EA			3" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	104.18	29.13
				<i>For Schedule 80 Nipples, Add</i>	68.95	
				<i>For ASTM 120, Deduct</i>	-9.07	
				<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-0270	EA			4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	120.93	32.43
				<i>For Schedule 80 Nipples, Add</i>	82.46	
				<i>For ASTM 120, Deduct</i>	-10.85	
				<i>For Work In Restricted Working Space, Add</i>	14.58	
22 11 16 00-0271	EA			3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	32.91	12.87
				<i>For Schedule 80 Nipples, Add</i>	15.46	
				<i>For ASTM 120, Deduct</i>	-2.03	
				<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0272	EA			1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	28.38	12.87
				<i>For Schedule 80 Nipples, Add</i>	10.29	
				<i>For ASTM 120, Deduct</i>	-1.35	
				<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0273	EA			3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	30.13	12.87
				<i>For Schedule 80 Nipples, Add</i>	12.29	
				<i>For ASTM 120, Deduct</i>	-1.62	
				<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0274	EA			1" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	34.92	13.95
				<i>For Schedule 80 Nipples, Add</i>	16.05	
				<i>For ASTM 120, Deduct</i>	-2.11	
				<i>For Work In Restricted Working Space, Add</i>	6.25	
22 11 16 00-0275	EA			1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	40.64	15.04
				<i>For Schedule 80 Nipples, Add</i>	20.59	
				<i>For ASTM 120, Deduct</i>	-2.71	
				<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0276	EA			1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	42.77	15.04
				<i>For Schedule 80 Nipples, Add</i>	23.02	
				<i>For ASTM 120, Deduct</i>	-3.03	
				<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0277	EA			2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	58.69	19.37
				<i>For Schedule 80 Nipples, Add</i>	33.69	
				<i>For ASTM 120, Deduct</i>	-4.43	
				<i>For Work In Restricted Working Space, Add</i>	8.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0278	EA		2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	85.45	24.12
			<i>For Schedule 80 Nipples, Add</i>	56.22	
			<i>For ASTM 120, Deduct</i>	-7.40	
			<i>For Work In Restricted Working Space, Add</i>	10.84	
22 11 16 00-0279	EA		3" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	112.70	29.13
			<i>For Schedule 80 Nipples, Add</i>	78.66	
			<i>For ASTM 120, Deduct</i>	-10.35	
			<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-0280	EA		4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	132.43	32.43
			<i>For Schedule 80 Nipples, Add</i>	95.57	
			<i>For ASTM 120, Deduct</i>	-12.57	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
22 11 16 00-0281	EA		3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	34.38	12.87
			<i>For Schedule 80 Nipples, Add</i>	17.13	
			<i>For ASTM 120, Deduct</i>	-2.25	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0282	EA		1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	29.62	12.87
			<i>For Schedule 80 Nipples, Add</i>	11.71	
			<i>For ASTM 120, Deduct</i>	-1.54	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0283	EA		3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	31.45	12.87
			<i>For Schedule 80 Nipples, Add</i>	13.79	
			<i>For ASTM 120, Deduct</i>	-1.82	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0284	EA		1" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	37.23	13.95
			<i>For Schedule 80 Nipples, Add</i>	18.68	
			<i>For ASTM 120, Deduct</i>	-2.46	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
22 11 16 00-0285	EA		1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	44.26	15.04
			<i>For Schedule 80 Nipples, Add</i>	24.72	
			<i>For ASTM 120, Deduct</i>	-3.25	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0286	EA		1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	45.68	15.04
			<i>For Schedule 80 Nipples, Add</i>	26.33	
			<i>For ASTM 120, Deduct</i>	-3.47	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0287	EA		2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	63.05	19.37
			<i>For Schedule 80 Nipples, Add</i>	38.66	
			<i>For ASTM 120, Deduct</i>	-5.09	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
22 11 16 00-0288	EA		2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	91.32	24.12
			<i>For Schedule 80 Nipples, Add</i>	62.92	
			<i>For ASTM 120, Deduct</i>	-8.28	
			<i>For Work In Restricted Working Space, Add</i>	10.84	
22 11 16 00-0289	EA		3" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	121.28	29.13
			<i>For Schedule 80 Nipples, Add</i>	88.44	
			<i>For ASTM 120, Deduct</i>	-11.64	
			<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-0290	EA		4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	144.03	32.43
			<i>For Schedule 80 Nipples, Add</i>	108.79	
			<i>For ASTM 120, Deduct</i>	-14.31	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
22 11 16 00-0291			Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)		
22 11 16 00-0292	EA		1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	20.57	9.62
			<i>For 300 LB Rating, Add</i>	21.68	
			<i>For Work In Restricted Working Space, Add</i>	4.34	
22 11 16 00-0293	EA		3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	22.29	10.84
			<i>For 300 LB Rating, Add</i>	21.78	
			<i>For Work In Restricted Working Space, Add</i>	4.85	
22 11 16 00-0294	EA		1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	24.77	12.06
			<i>For 300 LB Rating, Add</i>	23.90	
			<i>For Work In Restricted Working Space, Add</i>	5.42	
22 11 16 00-0295	EA		1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	30.77	13.69
			<i>For 300 LB Rating, Add</i>	36.32	
			<i>For Work In Restricted Working Space, Add</i>	6.14	
22 11 16 00-0296	EA		1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	36.96	15.31
			<i>For 300 LB Rating, Add</i>	48.64	
			<i>For Work In Restricted Working Space, Add</i>	6.92	
22 11 16 00-0297	EA		2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	46.96	19.51
			<i>For 300 LB Rating, Add</i>	61.84	
			<i>For Work In Restricted Working Space, Add</i>	8.79	
22 11 16 00-0298	EA		2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	77.82	28.86
			<i>For 300 LB Rating, Add</i>	119.77	
			<i>For Work In Restricted Working Space, Add</i>	13.01	
22 11 16 00-0299	EA		3", 150 LB, Galvanized Malleable Iron Square Head Plug.....	105.95	38.07
			<i>For 300 LB Rating, Add</i>	169.65	
			<i>For Work In Restricted Working Space, Add</i>	17.12	
22 11 16 00-0300	EA		4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	158.21	37.78
			<i>For 300 LB Rating, Add</i>	348.54	
			<i>For Work In Restricted Working Space, Add</i>	17.01	
22 11 16 00-0301	EA		5", 150 LB, Galvanized Malleable Iron Square Head Plug.....	245.41	39.48
			<i>For 300 LB Rating, Add</i>	636.77	
			<i>For Work In Restricted Working Space, Add</i>	17.75	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0302	EA		6", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	263.19 688.27 18.56	41.18
22 11 16 00-0303				Galvanized Malleable Iron Bushing <small>(22 11 16 00-0013)</small>		
	22 11 16 00-0304	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	53.70 11.49	25.47
	22 11 16 00-0305	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	59.08 12.19	27.10
	22 11 16 00-0306	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	60.27 12.84	28.58
	22 11 16 00-0307	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	69.45 13.09	29.13
	22 11 16 00-0308	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	69.26 13.73	30.49
	22 11 16 00-0309	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	71.62 14.44	32.11
	22 11 16 00-0310	EA		1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	81.01 14.07	31.30
	22 11 16 00-0311	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	83.16 14.71	32.65
	22 11 16 00-0312	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	82.18 15.42	34.28
	22 11 16 00-0313	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	82.77 16.31	36.31
	22 11 16 00-0314	EA		2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	97.31 16.41	36.45
	22 11 16 00-0315	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	96.50 17.05	37.94
	22 11 16 00-0316	EA		2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	96.68 17.76	39.43
	22 11 16 00-0317	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	99.67 18.65	41.46
	22 11 16 00-0318	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	98.32 19.63	43.63
	22 11 16 00-0319	EA		2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	136.09 22.33	49.59
	22 11 16 00-0320	EA		2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	138.45 23.03	51.22
	22 11 16 00-0321	EA		2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	141.43 23.93	53.12
	22 11 16 00-0322	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	143.56 24.91	55.42
	22 11 16 00-0323	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	144.44 27.24	60.56
	22 11 16 00-0324	EA		3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	172.95 27.46	60.97
	22 11 16 00-0325	EA		3" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	175.30 28.17	62.59
	22 11 16 00-0326	EA		3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	178.29 29.06	64.63
	22 11 16 00-0327	EA		3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	179.95 30.04	66.79
	22 11 16 00-0328	EA		3" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	180.29 32.38	71.94
	22 11 16 00-0329	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	202.06 37.65	83.73
	22 11 16 00-0330	EA		4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	259.62 26.70	59.29
	22 11 16 00-0331	EA		4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	261.73 27.34	60.75
	22 11 16 00-0332	EA		4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	264.40 28.14	62.57
	22 11 16 00-0333	EA		4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	267.33 29.02	64.52
	22 11 16 00-0334	EA		4" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	254.23 31.11	69.13
	22 11 16 00-0335	EA		4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	290.08 35.84	79.70
	22 11 16 00-0336	EA		4" x 3", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	294.15 40.45	89.90
22 11 16 00-0337				Galvanized Malleable Iron Floor Flange <small>(22 11 16 00-0013)</small> Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.		
	22 11 16 00-0338	EA		1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	81.04	49.51
	22 11 16 00-0339	EA		3/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	88.62	54.19
	22 11 16 00-0340	EA		1", 150 LB, Galvanized Malleable Iron Floor Flange.....	101.38	61.24
	22 11 16 00-0341	EA		1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	105.25	63.41
	22 11 16 00-0342	EA		1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	114.55	68.97
	22 11 16 00-0343	EA		2", 150 LB, Galvanized Malleable Iron Floor Flange.....	122.43	71.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0344 Galvanized Cast Iron Flanges <small>(22 11 16 00-0013)</small>		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-0345 EA 3/4", 125 LB, Galvanized Cast Iron Flange.....	138.47	54.19
For Work In Restricted Working Space, Add	24.39	
22 11 16 00-0346 EA 1", 125 LB, Galvanized Cast Iron Flange.....	136.12	61.24
For Work In Restricted Working Space, Add	27.55	
22 11 16 00-0347 EA 1-1/4", 125 LB, Galvanized Cast Iron Flange.....	118.47	63.41
For Work In Restricted Working Space, Add	28.52	
22 11 16 00-0348 EA 1-1/2", 125 LB, Galvanized Cast Iron Flange.....	137.98	68.97
For Work In Restricted Working Space, Add	31.03	
22 11 16 00-0349 EA 2", 125 LB, Galvanized Cast Iron Flange.....	153.67	71.94
For Work In Restricted Working Space, Add	32.38	
22 11 16 00-0350 EA 2-1/2", 125 LB, Galvanized Cast Iron Flange.....	178.35	83.32
For Work In Restricted Working Space, Add	37.46	
22 11 16 00-0351 EA 3", 125 LB, Galvanized Cast Iron Flange.....	302.90	105.68
For Work In Restricted Working Space, Add	47.53	
22 11 16 00-0352 EA 4", 125 LB, Galvanized Cast Iron Flange.....	391.11	129.64
For Work In Restricted Working Space, Add	58.30	
22 11 16 00-0353 EA 5", 125 LB, Galvanized Cast Iron Flange.....	540.26	154.30
For Work In Restricted Working Space, Add	69.41	
22 11 16 00-0354 EA 6", 125 LB, Galvanized Cast Iron Flange.....	595.96	177.26
For Work In Restricted Working Space, Add	79.73	
22 11 16 00-0355 EA 8", 125 LB, Galvanized Cast Iron Flange.....	561.88	202.59
For Work In Restricted Working Space, Add	91.12	
22 11 16 00-0356 Cut And Thread Existing In-Place Galvanized Steel Pipe <small>(22 11 16 00-0013)</small>		
Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0357 EA 1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	44.15	
For Work In Restricted Working Space, Add	13.25	
22 11 16 00-0358 EA 3/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	48.56	
For Work In Restricted Working Space, Add	14.57	
22 11 16 00-0359 EA 1", Cut And Thread Existing In Place Galvanized Steel Pipe.....	52.98	
For Work In Restricted Working Space, Add	15.89	
22 11 16 00-0360 EA 1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	57.39	
For Work In Restricted Working Space, Add	17.22	
22 11 16 00-0361 EA 1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	60.33	
For Work In Restricted Working Space, Add	18.10	
22 11 16 00-0362 EA 2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	63.28	
For Work In Restricted Working Space, Add	18.98	
22 11 16 00-0363 EA 2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	66.23	
For Work In Restricted Working Space, Add	19.87	
22 11 16 00-0364 EA 3", Cut And Thread Existing In Place Galvanized Steel Pipe.....	69.16	
For Work In Restricted Working Space, Add	20.75	
22 11 16 00-0365 EA 4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	72.11	
For Work In Restricted Working Space, Add	21.63	
22 11 16 00-0366 EA 6", Cut And Thread Existing In Place Galvanized Steel Pipe.....	77.99	
For Work In Restricted Working Space, Add	23.40	
22 11 16 00-0367 EA 8", Cut And Thread Existing In Place Galvanized Steel Pipe.....	83.88	
For Work In Restricted Working Space, Add	25.16	
22 11 16 00-0368 Copper Pipe And Fittings <small>(22 11 16)</small>		
Note: Excludes hangers. See CSI section 22 11 16 00-0899 for pipe with fittings assembly.		
22 11 16 00-0369 Copper Tube/Pipe <small>(22 11 16 00-0368)</small>		
Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0370 Hard Drawn Type L Copper Tube/Pipe <small>(22 11 16 00-0369)</small>		
22 11 16 00-0371 LF 1/4" Hard Drawn Type L Copper Tube/Pipe.....	6.77	3.31
For Medical/Oxygen Service Tubing, Add	0.14	
For Up To 20, Add	0.72	
For >150, Deduct	-0.18	
For Work In Restricted Working Space, Add	1.49	
22 11 16 00-0372 LF 3/8" Hard Drawn Type L Copper Tube/Pipe.....	7.81	3.44
For Medical/Oxygen Service Tubing, Add	0.21	
For Up To 20, Add	0.85	
For >150, Deduct	-0.26	
For Work In Restricted Working Space, Add	1.55	
22 11 16 00-0373 LF 1/2" Hard Drawn Type L Copper Tube/Pipe.....	8.53	3.59
For Medical/Oxygen Service Tubing, Add	0.25	
For Up To 20, Add	0.93	
For >150, Deduct	-0.31	
For Work In Restricted Working Space, Add	1.62	
22 11 16 00-0374 LF 3/4" Hard Drawn Type L Copper Tube/Pipe.....	10.83	3.81
For Medical/Oxygen Service Tubing, Add	0.41	
For Up To 20, Add	1.21	
For >150, Deduct	-0.51	
For Work In Restricted Working Space, Add	1.72	
22 11 16 00-0375 LF 1" Hard Drawn Type L Copper Tube/Pipe.....	13.81	4.28
For Medical/Oxygen Service Tubing, Add	0.59	
For Up To 20, Add	1.57	
For >150, Deduct	-0.74	
For Work In Restricted Working Space, Add	1.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0376 LF 1-1/4" Hard Drawn Type L Copper Tube/Pipe	19.73	6.37
For Medical/Oxygen Service Tubing, Add	0.82	
For Up To 20, Add	2.23	
For >150, Deduct	-1.02	
For Work In Restricted Working Space, Add	2.86	
22 11 16 00-0377 LF 1-1/2" Hard Drawn Type L Copper Tube/Pipe	23.76	7.11
For Medical/Oxygen Service Tubing, Add	1.05	
For Up To 20, Add	2.70	
For >150, Deduct	-1.31	
For Work In Restricted Working Space, Add	3.20	
22 11 16 00-0378 LF 2" Hard Drawn Type L Copper Tube/Pipe.....	33.88	8.77
For Medical/Oxygen Service Tubing, Add	1.66	
For Up To 20, Add	3.91	
For >150, Deduct	-2.07	
For Work In Restricted Working Space, Add	3.94	
22 11 16 00-0379 LF 2-1/2" Hard Drawn Type L Copper Tube/Pipe	60.92	10.31
For Medical/Oxygen Service Tubing, Add	2.40	
For Up To 20, Add	6.84	
For >150, Deduct	-3.00	
For Work In Restricted Working Space, Add	9.29	
22 11 16 00-0380 LF 3" Hard Drawn Type L Copper Tube/Pipe.....	76.38	12.15
For Medical/Oxygen Service Tubing, Add	3.20	
For Up To 20, Add	8.64	
For >150, Deduct	-4.00	
For Work In Restricted Working Space, Add	10.93	
22 11 16 00-0381 LF 4" Hard Drawn Type L Copper Tube/Pipe.....	112.32	13.71
For Medical/Oxygen Service Tubing, Add	5.70	
For Up To 20, Add	13.01	
For >150, Deduct	-7.12	
For Work In Restricted Working Space, Add	12.33	
22 11 16 00-0382 LF 5" Hard Drawn Type L Copper Tube/Pipe.....	172.99	15.74
For Medical/Oxygen Service Tubing, Add	10.06	
For Up To 20, Add	20.44	
For >150, Deduct	-12.58	
For Work In Restricted Working Space, Add	14.17	
22 11 16 00-0383 LF 6" Hard Drawn Type L Copper Tube/Pipe.....	238.63	24.40
For Medical/Oxygen Service Tubing, Add	13.24	
For Up To 20, Add	28.00	
For >150, Deduct	-16.55	
For Work In Restricted Working Space, Add	21.95	
22 11 16 00-0384 LF 8" Hard Drawn Type L Copper Tube/Pipe.....	393.18	27.13
For Medical/Oxygen Service Tubing, Add	24.95	
For Up To 20, Add	47.11	
For >150, Deduct	-31.19	
For Work In Restricted Working Space, Add	24.40	
22 11 16 00-0385 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0369)	7.36	3.56
22 11 16 00-0386 LF 1/4" Hard Drawn Type K Copper Tube/Pipe	0.16	3.56
For Medical/Oxygen Service Tubing, Add	0.16	
For Up To 20, Add	0.79	
For >150, Deduct	-0.20	
For Work In Restricted Working Space, Add	1.60	
22 11 16 00-0387 LF 3/8" Hard Drawn Type K Copper Tube/Pipe	9.74	3.71
For Medical/Oxygen Service Tubing, Add	0.29	
For Up To 20, Add	1.07	
For >150, Deduct	-0.36	
For Work In Restricted Working Space, Add	1.83	
22 11 16 00-0388 LF 1/2" Hard Drawn Type K Copper Tube/Pipe	10.22	3.85
For Medical/Oxygen Service Tubing, Add	0.34	
For Up To 20, Add	1.13	
For >150, Deduct	-0.43	
For Work In Restricted Working Space, Add	1.79	
22 11 16 00-0389 LF 3/4" Hard Drawn Type K Copper Tube/Pipe	14.60	4.09
For Medical/Oxygen Service Tubing, Add	0.62	
For Up To 20, Add	1.65	
For >150, Deduct	-0.77	
For Work In Restricted Working Space, Add	2.07	
22 11 16 00-0390 LF 1" Hard Drawn Type K Copper Tube/Pipe	17.57	4.60
For Medical/Oxygen Service Tubing, Add	0.82	
For Up To 20, Add	2.01	
For >150, Deduct	-1.02	
For Work In Restricted Working Space, Add	2.20	
22 11 16 00-0391 LF 1-1/4" Hard Drawn Type K Copper Tube/Pipe.....	23.14	6.85
For Medical/Oxygen Service Tubing, Add	1.02	
For Up To 20, Add	2.63	
For >150, Deduct	-1.28	
For Work In Restricted Working Space, Add	3.12	
22 11 16 00-0392 LF 1-1/2" Hard Drawn Type K Copper Tube/Pipe.....	28.01	7.64
For Medical/Oxygen Service Tubing, Add	1.31	
For Up To 20, Add	3.21	
For >150, Deduct	-1.63	
For Work In Restricted Working Space, Add	3.50	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0393	LF		2" Hard Drawn Type K Copper Tube/Pipe	39.41	9.43
			<i>For Medical/Oxygen Service Tubing, Add</i>	2.01	
			<i>For Up To 20, Add</i>	4.57	
			<i>For >150, Deduct</i>	-2.51	
			<i>For Work In Restricted Working Space, Add</i>	4.29	
22 11 16 00-0394	LF		2-1/2" Hard Drawn Type K Copper Tube/Pipe	68.52	11.08
			<i>For Medical/Oxygen Service Tubing, Add</i>	2.99	
			<i>For Up To 20, Add</i>	7.79	
			<i>For >150, Deduct</i>	-3.74	
			<i>For Work In Restricted Working Space, Add</i>	9.33	
22 11 16 00-0395	LF		3" Hard Drawn Type K Copper Tube/Pipe	91.22	13.07
			<i>For Medical/Oxygen Service Tubing, Add</i>	4.09	
			<i>For Up To 20, Add</i>	10.40	
			<i>For >150, Deduct</i>	-5.11	
			<i>For Work In Restricted Working Space, Add</i>	12.03	
22 11 16 00-0396	LF		4" Hard Drawn Type K Copper Tube/Pipe	136.56	14.74
			<i>For Medical/Oxygen Service Tubing, Add</i>	7.29	
			<i>For Up To 20, Add</i>	15.93	
			<i>For >150, Deduct</i>	-9.11	
			<i>For Work In Restricted Working Space, Add</i>	13.63	
22 11 16 00-0397	LF		5" Hard Drawn Type K Copper Tube/Pipe	220.64	16.92
			<i>For Medical/Oxygen Service Tubing, Add</i>	13.36	
			<i>For Up To 20, Add</i>	26.24	
			<i>For >150, Deduct</i>	-16.70	
			<i>For Work In Restricted Working Space, Add</i>	16.09	
22 11 16 00-0398	LF		6" Hard Drawn Type K Copper Tube/Pipe	326.08	26.23
			<i>For Medical/Oxygen Service Tubing, Add</i>	19.17	
			<i>For Up To 20, Add</i>	38.60	
			<i>For >150, Deduct</i>	-23.96	
			<i>For Work In Restricted Working Space, Add</i>	25.93	
22 11 16 00-0399	LF		8" Hard Drawn Type K Copper Tube/Pipe	543.98	29.16
			<i>For Medical/Oxygen Service Tubing, Add</i>	35.90	
			<i>For Up To 20, Add</i>	65.62	
			<i>For >150, Deduct</i>	-44.87	
			<i>For Work In Restricted Working Space, Add</i>	28.57	
22 11 16 00-0400			Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0369)		
22 11 16 00-0401	LF		3/8" Hard Drawn Type M Copper Tube/Pipe	6.53	3.11
			<i>For Up To 20, Add</i>	0.70	
			<i>For >150, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	1.34	
22 11 16 00-0402	LF		1/2" Hard Drawn Type M Copper Tube/Pipe	6.93	3.24
			<i>For Up To 20, Add</i>	0.75	
			<i>For >150, Deduct</i>	-0.23	
			<i>For Work In Restricted Working Space, Add</i>	1.39	
22 11 16 00-0403	LF		3/4" Hard Drawn Type M Copper Tube/Pipe	8.66	3.43
			<i>For Up To 20, Add</i>	0.96	
			<i>For >150, Deduct</i>	-0.37	
			<i>For Work In Restricted Working Space, Add</i>	1.48	
22 11 16 00-0404	LF		1" Hard Drawn Type M Copper Tube/Pipe	11.26	3.85
			<i>For Up To 20, Add</i>	1.27	
			<i>For >150, Deduct</i>	-0.58	
			<i>For Work In Restricted Working Space, Add</i>	1.65	
22 11 16 00-0405	LF		1-1/4" Hard Drawn Type M Copper Tube/Pipe	16.87	5.74
			<i>For Up To 20, Add</i>	1.90	
			<i>For >150, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	2.54	
22 11 16 00-0406	LF		1-1/2" Hard Drawn Type M Copper Tube/Pipe	21.30	6.40
			<i>For Up To 20, Add</i>	2.42	
			<i>For >150, Deduct</i>	-1.16	
			<i>For Work In Restricted Working Space, Add</i>	2.91	
22 11 16 00-0407	LF		2" Hard Drawn Type M Copper Tube/Pipe	30.29	7.89
			<i>For Up To 20, Add</i>	3.49	
			<i>For >150, Deduct</i>	-1.82	
			<i>For Work In Restricted Working Space, Add</i>	3.62	
22 11 16 00-0408	LF		2-1/2" Hard Drawn Type M Copper Tube/Pipe	55.74	9.28
			<i>For Up To 20, Add</i>	6.24	
			<i>For >150, Deduct</i>	-2.65	
			<i>For Work In Restricted Working Space, Add</i>	8.78	
22 11 16 00-0409	LF		3" Hard Drawn Type M Copper Tube/Pipe	68.07	10.93
			<i>For Up To 20, Add</i>	7.69	
			<i>For >150, Deduct</i>	-3.52	
			<i>For Work In Restricted Working Space, Add</i>	9.86	
22 11 16 00-0410	LF		4" Hard Drawn Type M Copper Tube/Pipe	104.28	12.34
			<i>For Up To 20, Add</i>	12.08	
			<i>For >150, Deduct</i>	-6.59	
			<i>For Work In Restricted Working Space, Add</i>	11.51	
22 11 16 00-0411	LF		5" Hard Drawn Type M Copper Tube/Pipe	172.25	14.17
			<i>For Up To 20, Add</i>	20.42	
			<i>For >150, Deduct</i>	-12.80	
			<i>For Work In Restricted Working Space, Add</i>	13.28	
22 11 16 00-0412	LF		6" Hard Drawn Type M Copper Tube/Pipe	239.55	21.97
			<i>For Up To 20, Add</i>	28.23	
			<i>For >150, Deduct</i>	-17.10	
			<i>For Work In Restricted Working Space, Add</i>	20.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0413	LF		8" Hard Drawn Type M Copper Tube/Pipe..... <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	399.42 48.04 -32.40 22.63	24.41
22 11 16 00-0414 Soft Drawn Type L Copper Tube (22 11 16 00-0369)					
22 11 16 00-0415	LF		1/4" Soft Drawn Type L Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.28 0.79 -0.23 1.49	3.31
22 11 16 00-0416	LF		3/8" Soft Drawn Type L Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8.78 0.97 -0.36 1.55	3.44
22 11 16 00-0417	LF		1/2" Soft Drawn Type L Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.24 1.15 -0.49 1.62	3.59
22 11 16 00-0418	LF		5/8" Soft Drawn Type L Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.77 1.33 -0.62 1.67	3.71
22 11 16 00-0419	LF		3/4" Soft Drawn Type L Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.14 1.50 -0.74 1.72	3.81
22 11 16 00-0420	LF		1" Soft Drawn Type L Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.70 1.93 -1.03 1.93	4.28
22 11 16 00-0421	LF		1-1/4" Soft Drawn Type L Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.07 2.65 -1.35 2.86	6.37
22 11 16 00-0422	LF		1-1/2" Soft Drawn Type L Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.99 3.36 -1.83 3.20	7.11
22 11 16 00-0423	LF		2" Soft Drawn Type L Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	42.30 4.96 -2.92 3.94	8.77
22 11 16 00-0424 Soft Drawn Type K Copper Tube (22 11 16 00-0369)					
22 11 16 00-0425	LF		1/4" Soft Drawn Type K Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.52 0.82 -0.26 1.49	3.31
22 11 16 00-0426	LF		3/8" Soft Drawn Type K Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.54 1.06 -0.44 1.55	3.44
22 11 16 00-0427	LF		1/2" Soft Drawn Type K Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.86 1.22 -0.55 1.62	3.59
22 11 16 00-0428	LF		5/8" Soft Drawn Type K Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.07 1.37 -0.65 1.67	3.71
22 11 16 00-0429	LF		3/4" Soft Drawn Type K Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.84 1.84 -1.01 1.72	3.81
22 11 16 00-0430	LF		1" Soft Drawn Type K Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.86 2.32 -1.34 1.93	4.28
22 11 16 00-0431	LF		1-1/4" Soft Drawn Type K Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.38 2.93 -1.58 2.86	6.37
22 11 16 00-0432	LF		1-1/2" Soft Drawn Type K Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.66 3.82 -2.20 3.20	7.11
22 11 16 00-0433	LF		2" Soft Drawn Type K Copper Tube <i>For Up To 20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	47.35 5.59 -3.42 3.94	8.77

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0434	LF		2-1/2" Soft Drawn Type K Copper Tube.....	67.07	10.52
			For Up To 20, Add	7.99	
			For >150, Deduct	-5.13	
			For Work In Restricted Working Space, Add	4.73	
22 11 16 00-0435	LF		3" Soft Drawn Type K Copper Tube.....	90.00	12.41
			For Up To 20, Add	10.78	
			For >150, Deduct	-7.14	
			For Work In Restricted Working Space, Add	5.58	
22 11 16 00-0436			Copper And Brass Fittings (22 11 16 00-0368)		
			Note: All fittings are based on 95/5 solder.		
22 11 16 00-0437			90 Degree Copper Elbows (22 11 16 00-0436)		
22 11 16 00-0438	EA		1/4" 90 Degree Copper Elbow	33.56	19.64
			For Silver Solder Instead Of 95/5 Solder, Add	4.62	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.15	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.41	
			For Street Fitting, Add	1.65	
			For Work In Restricted Working Space, Add	8.83	
22 11 16 00-0439	EA		3/8" 90 Degree Copper Elbow	39.69	23.55
			For Silver Solder Instead Of 95/5 Solder, Add	5.52	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.75	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.30	
			For Street Fitting, Add	1.75	
			For Work In Restricted Working Space, Add	10.60	
22 11 16 00-0440	EA		1/2" 90 Degree Copper Elbow	49.98	32.37
			For Silver Solder Instead Of 95/5 Solder, Add	7.36	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.93	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.28	
			For Street Fitting, Add	0.57	
			For Work In Restricted Working Space, Add	14.57	
22 11 16 00-0441	EA		3/4" 90 Degree Copper Elbow	63.52	40.32
			For Silver Solder Instead Of 95/5 Solder, Add	9.21	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.19	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.05	
			For Street Fitting, Add	1.28	
			For Work In Restricted Working Space, Add	18.10	
22 11 16 00-0442	EA		1" 90 Degree Copper Elbow	79.90	48.12
			For Silver Solder Instead Of 95/5 Solder, Add	11.21	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.60	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.82	
			For Street Fitting, Add	3.12	
			For Work In Restricted Working Space, Add	21.63	
22 11 16 00-0443	EA		1-1/4" 90 Degree Copper Elbow	89.64	52.09
			For Silver Solder Instead Of 95/5 Solder, Add	12.28	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.38	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.70	
			For Street Fitting, Add	4.66	
			For Work In Restricted Working Space, Add	23.40	
22 11 16 00-0444	EA		1-1/2" 90 Degree Copper Elbow	103.56	56.95
			For Silver Solder Instead Of 95/5 Solder, Add	13.71	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.45	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.80	
			For Street Fitting, Add	7.28	
			For Work In Restricted Working Space, Add	25.61	
22 11 16 00-0445	EA		2" 90 Degree Copper Elbow	128.85	63.86
			For Silver Solder Instead Of 95/5 Solder, Add	16.01	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.23	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.35	
			For Street Fitting, Add	13.28	
			For Work In Restricted Working Space, Add	28.70	
22 11 16 00-0446	EA		2-1/2" 90 Degree Copper Elbow	162.65	65.03
			For Silver Solder Instead Of 95/5 Solder, Add	17.89	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.01	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.63	
			For Work In Restricted Working Space, Add	29.27	
22 11 16 00-0447	EA		3" 90 Degree Copper Elbow	208.32	77.77
			For Silver Solder Instead Of 95/5 Solder, Add	22.07	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.24	
			For Brazed Fittings Instead Of 95/5 Solder, Add	17.48	
			For Work In Restricted Working Space, Add	34.96	
22 11 16 00-0448	EA		4" 90 Degree Copper Elbow	388.03	110.29
			For Silver Solder Instead Of 95/5 Solder, Add	35.93	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-27.67	
			For Brazed Fittings Instead Of 95/5 Solder, Add	24.79	
			For Work In Restricted Working Space, Add	49.59	
22 11 16 00-0449	EA		5" 90 Degree Copper Elbow	1,159.40	150.93
			For Silver Solder Instead Of 95/5 Solder, Add	80.60	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-69.28	
			For Brazed Fittings Instead Of 95/5 Solder, Add	33.94	
			For Work In Restricted Working Space, Add	67.88	
22 11 16 00-0450	EA		6" 90 Degree Copper Elbow	1,573.19	219.63
			For Silver Solder Instead Of 95/5 Solder, Add	111.58	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-95.12	
			For Brazed Fittings Instead Of 95/5 Solder, Add	49.39	
			For Work In Restricted Working Space, Add	98.77	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0451	EA		8" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,040.94 295.95 -274.00 65.85 131.69	292.79
	22 11 16 00-0452			90 Degree Brass Elbows <small>(22 11 16 00-0436)</small>		
	22 11 16 00-0453	EA		1/2" Drop Ear 90 Degree Brass Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.45 7.73 -5.30 7.28 14.57	32.37
	22 11 16 00-0454	EA		3/4" Drop Ear 90 Degree Brass Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.25 10.35 -7.33 9.05 18.10	40.32
	22 11 16 00-0455	EA		1/2" Flanged Sink 90 Degree Brass Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.77 8.09 -5.67 7.28 14.57	32.37
	22 11 16 00-0456	EA		3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.61 5.96 -4.20 5.30 10.60	23.55
	22 11 16 00-0457	EA		1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.08 7.76 -5.33 7.28 14.57	32.37
	22 11 16 00-0458	EA		3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.09 9.89 -6.87 9.05 18.10	40.32
	22 11 16 00-0459	EA		1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.60 13.49 -9.89 10.82 21.63	48.12
	22 11 16 00-0460			Reducing 90 Degree Copper Elbows <small>(22 11 16 00-0436)</small>		
	22 11 16 00-0461	EA		1/2" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.05 7.86 -5.43 7.28 14.57	32.37
	22 11 16 00-0462	EA		3/4" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.47 9.46 -6.44 9.05 18.10	40.32
	22 11 16 00-0463	EA		1" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.06 11.56 -7.96 10.82 21.63	48.12
	22 11 16 00-0464	EA		1-1/4" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.07 13.60 -9.70 11.70 23.40	52.09
	22 11 16 00-0465	EA		1-1/2" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.38 15.30 -11.04 12.80 25.61	56.95
	22 11 16 00-0466	EA		2" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.99 17.71 -12.93 14.35 28.70	63.86
	22 11 16 00-0467			45 Degree Copper Elbows <small>(22 11 16 00-0436)</small>		
	22 11 16 00-0468	EA		1/4" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.14 4.80 -3.33 4.41 3.08 8.83	19.64

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0469	EA	3/8"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.93 5.63 -3.86 5.30 2.64 10.60	23.55
22 11 16 00-0470	EA	1/2"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.16 7.41 -4.99 7.28 1.04 14.57	32.37
22 11 16 00-0471	EA	3/4"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.77 9.27 -6.26 9.05 1.78 18.10	40.32
22 11 16 00-0472	EA	1"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.20 11.37 -7.77 10.82 4.44 21.63	48.12
22 11 16 00-0473	EA	1-1/4"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.03 12.45 -8.55 11.70 6.01 23.40	52.09
22 11 16 00-0474	EA	1-1/2"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.80 13.73 -9.46 12.80 7.38 25.61	56.95
22 11 16 00-0475	EA	2"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.41 15.89 -11.10 14.35 28.70	63.86
22 11 16 00-0476	EA	2-1/2"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.86 17.85 -12.97 14.63 29.27	65.03
22 11 16 00-0477	EA	3"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	211.94 22.25 -16.42 17.48 34.96	77.77
22 11 16 00-0478	EA	4"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	368.76 34.97 -26.70 24.79 49.59	110.29
22 11 16 00-0479	EA	5"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,014.26 73.34 -62.03 33.94 67.88	150.93
22 11 16 00-0480	EA	6"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,571.06 111.48 -95.02 49.39 98.77	219.63
22 11 16 00-0481	EA	8"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,658.62 276.83 -254.88 65.85 131.69	292.79
22 11 16 00-0482	Straight Copper And Brass Tees (22 11 16 00-0436)				
22 11 16 00-0483	EA	1/4"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.80 7.06 -4.85 6.62 13.25	29.43
22 11 16 00-0484	EA	3/8"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.94 8.30 -5.65 7.95 15.89	35.32



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0485	EA			1/2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.02 11.16 -7.48 11.04 22.07	49.15
22 11 16 00-0486	EA			3/4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.06 13.98 -9.42 13.69 27.37	60.93
22 11 16 00-0487	EA			1" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.40 17.21 -11.77 16.34 32.67	72.70
22 11 16 00-0488	EA			1-1/4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.11 18.88 -12.99 17.66 35.32	78.58
22 11 16 00-0489	EA			1-1/2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	164.92 21.05 -14.65 19.20 38.41	85.35
22 11 16 00-0490	EA			2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.87 24.57 -17.35 21.63 43.27	96.24
22 11 16 00-0491	EA			2-1/2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	262.35 27.75 -20.43 21.95 43.90	97.55
22 11 16 00-0492	EA			3" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	353.40 35.28 -26.48 26.42 52.84	117.47
22 11 16 00-0493	EA			4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	675.63 58.44 -46.11 36.99 73.98	164.48
22 11 16 00-0494	EA			5" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,739.90 120.73 -103.86 50.60 101.21	225.05
22 11 16 00-0495	EA			6" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,411.78 170.04 -145.32 74.18 148.36	329.91
22 11 16 00-0496	EA			8" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,054.18 468.56 -435.63 98.77 197.54	439.25
22 11 16 00-0497	EA			1/2" Cast Bronze Drop Ear Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.57 11.79 -8.11 11.04 22.07	49.15
22 11 16 00-0498	Reducing Copper Tees <small>(22 11 16 00-0496)</small>					
22 11 16 00-0499	EA			3/8" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.86 7.75 -5.40 7.06 14.13	31.35
22 11 16 00-0500	EA			1/2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.34 10.54 -7.23 9.93 19.87	44.15
22 11 16 00-0501	EA			3/4" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.53 13.11 -8.84 12.80 25.61	56.95



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0502	EA		1" Reducing Copper Tee.....	122.64	68.72
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.43	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.28	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.45	
			<i>For Work In Restricted Working Space, Add</i>	30.90	
22 11 16 00-0503	EA		1-1/4" Reducing Copper Tee.....	141.62	74.61
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	18.27	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.67	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.78	
			<i>For Work In Restricted Working Space, Add</i>	33.55	
22 11 16 00-0504	EA		1-1/2" Reducing Copper Tee.....	164.24	81.53
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	20.43	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-14.32	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	18.32	
			<i>For Work In Restricted Working Space, Add</i>	36.65	
22 11 16 00-0505	EA		2" Reducing Copper Tee.....	197.71	91.24
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	23.57	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-16.73	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	20.53	
			<i>For Work In Restricted Working Space, Add</i>	41.06	
22 11 16 00-0506	EA		2-1/2" Reducing Copper Tee.....	268.02	94.03
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.49	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-20.45	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	21.14	
			<i>For Work In Restricted Working Space, Add</i>	42.27	
22 11 16 00-0507	EA		3" Reducing Copper Tee.....	371.33	108.39
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	34.83	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-26.70	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	24.39	
			<i>For Work In Restricted Working Space, Add</i>	48.78	
22 11 16 00-0508	EA		4" Reducing Copper Tee.....	639.96	133.73
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	52.05	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-42.02	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	30.08	
			<i>For Work In Restricted Working Space, Add</i>	60.16	
22 11 16 00-0509			Copper Couplings (22 11 16 00-0436)		
22 11 16 00-0510	EA		1/4" Copper Coupling.....	30.26	19.64
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.46	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	8.83	
22 11 16 00-0511	EA		3/8" Copper Coupling.....	36.42	23.55
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.35	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.59	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.30	
			<i>For Work In Restricted Working Space, Add</i>	10.60	
22 11 16 00-0512	EA		1/2" Copper Coupling.....	49.46	32.37
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.33	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.90	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.28	
			<i>For Work In Restricted Working Space, Add</i>	14.57	
22 11 16 00-0513	EA		3/4" Copper Coupling.....	62.18	40.32
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.14	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.13	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.05	
			<i>For Work In Restricted Working Space, Add</i>	18.10	
22 11 16 00-0514	EA		1" Copper Coupling.....	75.77	48.12
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.00	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.39	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.82	
			<i>For Work In Restricted Working Space, Add</i>	21.63	
22 11 16 00-0515	EA		1-1/4" Copper Coupling.....	84.45	52.09
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.02	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.12	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.70	
			<i>For Work In Restricted Working Space, Add</i>	23.40	
22 11 16 00-0516	EA		1-1/2" Copper Coupling.....	93.89	56.95
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.23	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.96	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.80	
			<i>For Work In Restricted Working Space, Add</i>	25.61	
22 11 16 00-0517	EA		2" Copper Coupling.....	109.85	63.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.06	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.28	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.35	
			<i>For Work In Restricted Working Space, Add</i>	28.70	
22 11 16 00-0518	EA		2-1/2" Copper Coupling.....	121.32	61.51
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.28	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.67	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.82	
			<i>For Work In Restricted Working Space, Add</i>	27.64	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0519	EA			3" Copper Coupling.....	150.83	74.52
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	18.65	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.10	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.67	
				<i>For Work In Restricted Working Space, Add</i>	33.33	
22 11 16 00-0520	EA			4" Copper Coupling.....	236.56	100.26
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	26.73	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-19.28	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	22.36	
				<i>For Work In Restricted Working Space, Add</i>	44.71	
22 11 16 00-0521	EA			5" Copper Coupling.....	385.62	182.90
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	39.60	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-29.44	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	30.48	
				<i>For Work In Restricted Working Space, Add</i>	60.97	
22 11 16 00-0522	EA			6" Copper Coupling.....	599.49	198.75
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	59.78	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-44.88	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	44.71	
				<i>For Work In Restricted Working Space, Add</i>	89.42	
22 11 16 00-0523	EA			8" Copper Coupling.....	1,372.65	263.52
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	108.19	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-88.41	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	59.34	
				<i>For Work In Restricted Working Space, Add</i>	118.69	
22 11 16 00-0524				Reducing Copper Couplings <small>(22 11 16 00-0436)</small>		
22 11 16 00-0525	EA			3/8" Reducing Copper Coupling.....	31.24	19.58
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.51	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.03	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.41	
				<i>For Work In Restricted Working Space, Add</i>	8.83	
22 11 16 00-0526	EA			1/2" Reducing Copper Coupling.....	43.84	27.96
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.39	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.29	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.29	
				<i>For Work In Restricted Working Space, Add</i>	12.59	
22 11 16 00-0527	EA			3/4" Reducing Copper Coupling.....	57.71	36.35
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.33	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.61	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.17	
				<i>For Work In Restricted Working Space, Add</i>	16.34	
22 11 16 00-0528	EA			1" Reducing Copper Coupling.....	72.13	44.15
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.23	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.92	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.93	
				<i>For Work In Restricted Working Space, Add</i>	19.87	
22 11 16 00-0529	EA			1-1/4" Reducing Copper Coupling.....	83.27	50.04
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.67	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.92	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.26	
				<i>For Work In Restricted Working Space, Add</i>	22.52	
22 11 16 00-0530	EA			1-1/2" Reducing Copper Coupling.....	95.28	54.45
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.93	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.85	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.25	
				<i>For Work In Restricted Working Space, Add</i>	24.50	
22 11 16 00-0531	EA			2" Reducing Copper Coupling.....	111.55	60.33
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.63	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.10	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.58	
				<i>For Work In Restricted Working Space, Add</i>	27.15	
22 11 16 00-0532	EA			2-1/2" Reducing Copper Coupling.....	136.11	61.92
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.09	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.45	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.92	
				<i>For Work In Restricted Working Space, Add</i>	27.84	
22 11 16 00-0533	EA			3" Reducing Copper Coupling.....	160.57	71.80
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	18.73	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.38	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.06	
				<i>For Work In Restricted Working Space, Add</i>	32.11	
22 11 16 00-0534	EA			4" Reducing Copper Coupling.....	247.19	94.03
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	26.45	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-19.41	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	21.14	
				<i>For Work In Restricted Working Space, Add</i>	42.27	
22 11 16 00-0535	EA			5" Reducing Copper Coupling.....	612.04	131.01
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	50.25	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-40.42	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	29.47	
				<i>For Work In Restricted Working Space, Add</i>	58.94	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0536	EA		6" Reducing Copper Coupling.....	907.77	176.13
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	71.81	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-58.60	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	39.63	
			<i>For Work In Restricted Working Space, Add</i>	79.26	
22 11 16 00-0537	EA		8" Reducing Copper Coupling.....	1,749.09	256.66
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	125.93	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-106.69	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	57.72	
			<i>For Work In Restricted Working Space, Add</i>	115.44	
22 11 16 00-0538			Male Copper Adapters (22 11 16 00-0438)		
22 11 16 00-0539	EA		1/4" Male Copper Adapter.....	44.02	19.13
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.14	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.67	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	8.83	
22 11 16 00-0540	EA		3/8" Male Copper Adapter.....	42.60	23.55
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.66	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.90	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.30	
			<i>For Work In Restricted Working Space, Add</i>	10.60	
22 11 16 00-0541	EA		1/2" Male Copper Adapter.....	47.10	29.43
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.77	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.56	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.62	
			<i>For Work In Restricted Working Space, Add</i>	13.25	
22 11 16 00-0542	EA		3/4" Male Copper Adapter.....	59.45	36.79
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.42	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.70	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.17	
			<i>For Work In Restricted Working Space, Add</i>	16.34	
22 11 16 00-0543	EA		1" Male Copper Adapter.....	75.98	42.68
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.13	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.96	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.49	
			<i>For Work In Restricted Working Space, Add</i>	18.98	
22 11 16 00-0544	EA		1-1/4" Male Copper Adapter.....	92.07	48.56
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.96	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.28	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.04	
			<i>For Work In Restricted Working Space, Add</i>	22.07	
22 11 16 00-0545	EA		1-1/2" Male Copper Adapter.....	105.51	55.92
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.66	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.47	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.58	
			<i>For Work In Restricted Working Space, Add</i>	25.16	
22 11 16 00-0546	EA		2" Male Copper Adapter.....	144.05	71.37
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.95	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.57	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.11	
			<i>For Work In Restricted Working Space, Add</i>	32.23	
22 11 16 00-0547	EA		2-1/2" Male Copper Adapter.....	254.79	92.71
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	26.57	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-19.66	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	20.75	
			<i>For Work In Restricted Working Space, Add</i>	41.50	
22 11 16 00-0548	EA		3" Male Copper Adapter.....	338.45	123.63
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	35.35	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-26.14	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	27.64	
			<i>For Work In Restricted Working Space, Add</i>	55.28	
22 11 16 00-0549	EA		4" Male Copper Adapter.....	506.72	173.42
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	51.35	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-38.34	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	39.02	
			<i>For Work In Restricted Working Space, Add</i>	78.04	
22 11 16 00-0550			Female Copper Adapters (22 11 16 00-0436)		
22 11 16 00-0551	EA		1/4" Female Copper Adapter.....	38.75	19.13
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.88	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.41	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	8.83	
22 11 16 00-0552	EA		3/8" Female Copper Adapter.....	45.07	23.55
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.79	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.02	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.30	
			<i>For Work In Restricted Working Space, Add</i>	10.60	
22 11 16 00-0553	EA		1/2" Female Copper Adapter.....	48.87	29.43
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.86	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.65	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.62	
			<i>For Work In Restricted Working Space, Add</i>	13.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0554 EA 3/4" Female Copper Adapter	60.90	36.79
For Silver Solder Instead Of 95/5 Solder, Add	8.49	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.77	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.17	
For Work In Restricted Working Space, Add	16.34	
22 11 16 00-0555 EA 1" Female Copper Adapter	78.03	42.68
For Silver Solder Instead Of 95/5 Solder, Add	10.23	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.07	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.49	
For Work In Restricted Working Space, Add	18.98	
22 11 16 00-0556 EA 1-1/4" Female Copper Adapter	95.21	48.56
For Silver Solder Instead Of 95/5 Solder, Add	12.12	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.44	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.04	
For Work In Restricted Working Space, Add	22.07	
22 11 16 00-0557 EA 1-1/2" Female Copper Adapter	117.75	55.92
For Silver Solder Instead Of 95/5 Solder, Add	14.28	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.08	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.58	
For Work In Restricted Working Space, Add	25.16	
22 11 16 00-0558 EA 2" Female Copper Adapter	153.37	71.37
For Silver Solder Instead Of 95/5 Solder, Add	18.41	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.04	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.11	
For Work In Restricted Working Space, Add	32.23	
22 11 16 00-0559 EA 2-1/2" Female Copper Adapter	291.68	85.36
For Silver Solder Instead Of 95/5 Solder, Add	27.32	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.95	
For Brazed Fittings Instead Of 95/5 Solder, Add	19.10	
For Work In Restricted Working Space, Add	38.21	
22 11 16 00-0560 EA 3" Female Copper Adapter	461.09	123.63
For Silver Solder Instead Of 95/5 Solder, Add	41.48	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-32.27	
For Brazed Fittings Instead Of 95/5 Solder, Add	27.64	
For Work In Restricted Working Space, Add	55.28	
22 11 16 00-0561 Wrot Copper, Solder Union (22 11 16 00-0436)		
22 11 16 00-0562 EA 1/4" Wrot Copper, Solder Union	55.90	23.55
For Silver Solder Instead Of 95/5 Solder, Add	6.33	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.56	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.30	
For Work In Restricted Working Space, Add	10.60	
22 11 16 00-0563 EA 3/8" Wrot Copper, Solder Union	63.88	28.40
For Silver Solder Instead Of 95/5 Solder, Add	7.46	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.33	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.40	
For Work In Restricted Working Space, Add	12.80	
22 11 16 00-0564 EA 1/2" Wrot Copper, Solder Union	66.09	35.32
For Silver Solder Instead Of 95/5 Solder, Add	8.60	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.95	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.95	
For Work In Restricted Working Space, Add	15.89	
22 11 16 00-0565 EA 3/4" Wrot Copper, Solder Union	76.45	40.32
For Silver Solder Instead Of 95/5 Solder, Add	9.86	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.84	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.05	
For Work In Restricted Working Space, Add	18.10	
22 11 16 00-0566 EA 1" Wrot Copper, Solder Union	99.81	48.12
For Silver Solder Instead Of 95/5 Solder, Add	12.20	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.60	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.82	
For Work In Restricted Working Space, Add	21.63	
22 11 16 00-0567 EA 1-1/4" Wrot Copper, Solder Union	119.58	52.98
For Silver Solder Instead Of 95/5 Solder, Add	13.93	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.95	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.92	
For Work In Restricted Working Space, Add	23.84	
22 11 16 00-0568 EA 1-1/2" Wrot Copper, Solder Union	144.85	58.87
For Silver Solder Instead Of 95/5 Solder, Add	16.07	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.66	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.25	
For Work In Restricted Working Space, Add	26.49	
22 11 16 00-0569 EA 2" Wrot Copper, Solder Union	202.35	70.64
For Silver Solder Instead Of 95/5 Solder, Add	20.71	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.42	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.89	
For Work In Restricted Working Space, Add	31.79	
22 11 16 00-0570 EA 2-1/2" Wrot Copper, Solder Union	379.39	77.77
For Silver Solder Instead Of 95/5 Solder, Add	30.62	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-24.80	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.48	
For Work In Restricted Working Space, Add	34.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0571 EA 3" Wrot Copper, Solder Union.....	845.53	110.29
For Silver Solder Instead Of 95/5 Solder, Add	58.81	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-50.54	
For Brazed Fittings Instead Of 95/5 Solder, Add	24.79	
For Work In Restricted Working Space, Add	49.59	
22 11 16 00-0572 Cast Bronze, Solder Union (22 11 16 00-0436)		
22 11 16 00-0573 EA 1/4" Cast Bronze, Solder Union	63.49	23.55
For Silver Solder Instead Of 95/5 Solder, Add	6.71	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.30	
For Work In Restricted Working Space, Add	10.60	
22 11 16 00-0574 EA 3/8" Cast Bronze, Solder Union	71.04	28.40
For Silver Solder Instead Of 95/5 Solder, Add	7.82	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.69	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.40	
For Work In Restricted Working Space, Add	12.80	
22 11 16 00-0575 EA 1/2" Cast Bronze, Solder Union	68.08	35.32
For Silver Solder Instead Of 95/5 Solder, Add	8.70	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.05	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.95	
For Work In Restricted Working Space, Add	15.89	
22 11 16 00-0576 EA 3/4" Cast Bronze, Solder Union	79.26	40.32
For Silver Solder Instead Of 95/5 Solder, Add	10.00	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.98	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.05	
For Work In Restricted Working Space, Add	18.10	
22 11 16 00-0577 EA 1" Cast Bronze, Solder Union	104.70	48.12
For Silver Solder Instead Of 95/5 Solder, Add	12.45	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.84	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.82	
For Work In Restricted Working Space, Add	21.63	
22 11 16 00-0578 EA 1-1/4" Cast Bronze, Solder Union	132.95	52.98
For Silver Solder Instead Of 95/5 Solder, Add	14.59	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.62	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.92	
For Work In Restricted Working Space, Add	23.84	
22 11 16 00-0579 EA 1-1/2" Cast Bronze, Solder Union	158.80	58.87
For Silver Solder Instead Of 95/5 Solder, Add	16.77	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.36	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.25	
For Work In Restricted Working Space, Add	26.49	
22 11 16 00-0580 EA 2" Cast Bronze, Solder Union	226.10	70.64
For Silver Solder Instead Of 95/5 Solder, Add	21.90	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.60	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.89	
For Work In Restricted Working Space, Add	31.79	
22 11 16 00-0581 EA 2-1/2" Cast Bronze, Solder Union	379.37	77.77
For Silver Solder Instead Of 95/5 Solder, Add	30.62	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-24.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.48	
For Work In Restricted Working Space, Add	34.96	
22 11 16 00-0582 EA 3" Cast Bronze, Solder Union	845.53	110.29
For Silver Solder Instead Of 95/5 Solder, Add	58.81	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-50.54	
For Brazed Fittings Instead Of 95/5 Solder, Add	24.79	
For Work In Restricted Working Space, Add	49.59	
22 11 16 00-0583 Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0436)		
22 11 16 00-0584 EA 1/4" Cast Bronze, Solder X Female Threaded Union.....	73.74	23.55
For Silver Solder Instead Of 95/5 Solder, Add	7.22	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.45	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.30	
For Work In Restricted Working Space, Add	10.60	
22 11 16 00-0585 EA 3/8" Cast Bronze, Solder X Female Threaded Union.....	82.43	28.40
For Silver Solder Instead Of 95/5 Solder, Add	8.39	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.26	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.40	
For Work In Restricted Working Space, Add	12.80	
22 11 16 00-0586 EA 1/2" Cast Bronze, Solder X Female Threaded Union.....	84.55	35.32
For Silver Solder Instead Of 95/5 Solder, Add	9.53	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.88	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.95	
For Work In Restricted Working Space, Add	15.89	
22 11 16 00-0587 EA 3/4" Cast Bronze, Solder X Female Threaded Union.....	103.36	40.32
For Silver Solder Instead Of 95/5 Solder, Add	11.20	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.18	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.05	
For Work In Restricted Working Space, Add	18.10	
22 11 16 00-0588 EA 1" Cast Bronze, Solder X Female Threaded Union.....	161.62	48.12
For Silver Solder Instead Of 95/5 Solder, Add	15.29	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.69	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.82	
For Work In Restricted Working Space, Add	21.63	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0589	EA			1-1/4" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	246.28 20.26 -16.29 11.92 23.84	52.98
22 11 16 00-0590	EA			1-1/2" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	299.63 23.81 -19.40 13.25 26.49	58.87
22 11 16 00-0591	EA			2" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	463.68 33.78 -28.48 15.89 31.79	70.64
22 11 16 00-0592	EA			2-1/2" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	794.64 51.38 -45.56 17.48 34.96	77.77
22 11 16 00-0593 Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0436)						
22 11 16 00-0594	EA			1/4" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.58 6.76 -5.00 5.30 10.60	23.55
22 11 16 00-0595	EA			3/8" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.83 8.11 -5.98 6.40 12.80	28.40
22 11 16 00-0596	EA			1/2" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.90 9.19 -6.54 7.95 15.89	35.32
22 11 16 00-0597	EA			3/4" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.73 10.92 -7.90 9.05 18.10	40.32
22 11 16 00-0598	EA			1" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	164.20 15.42 -11.82 10.82 21.63	48.12
22 11 16 00-0599	EA			1-1/4" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	193.70 17.63 -13.66 11.92 23.84	52.98
22 11 16 00-0600	EA			1-1/2" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.28 19.24 -14.83 13.25 26.49	58.87
22 11 16 00-0601	EA			2" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	290.26 25.11 -19.81 15.89 31.79	70.64
22 11 16 00-0602	EA			2-1/2" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	656.62 44.48 -38.66 17.48 34.96	77.77
22 11 16 00-0603 Copper Caps (22 11 16 00-0436)						
22 11 16 00-0604	EA			1/4" Copper Cap <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.97 1.52 -1.03 1.46 2.91	6.47
22 11 16 00-0605	EA			3/8" Copper Cap <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.66 1.85 -1.27 1.75 3.50	7.65
22 11 16 00-0606	EA			1/2" Copper Cap <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.05 2.46 -1.65 2.40 4.81	10.60

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0607	EA		3/4" Copper Cap	21.84	13.10
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.08	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.09	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.99	
			<i>For Work In Restricted Working Space, Add</i>	5.97	
22 11 16 00-0608	EA		1" Copper Cap	28.32	15.74
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.80	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.61	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.57	
			<i>For Work In Restricted Working Space, Add</i>	7.14	
22 11 16 00-0609	EA		1-1/4" Copper Cap	31.80	16.92
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.16	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.88	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.86	
			<i>For Work In Restricted Working Space, Add</i>	7.72	
22 11 16 00-0610	EA		1-1/2" Copper Cap	36.97	18.54
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.66	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.26	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.22	
			<i>For Work In Restricted Working Space, Add</i>	8.45	
22 11 16 00-0611	EA		2" Copper Cap	45.34	19.24
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.17	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.72	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.36	
			<i>For Work In Restricted Working Space, Add</i>	8.72	
22 11 16 00-0612	EA		2-1/2" Copper Cap	82.92	22.49
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.56	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.85	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.12	
			<i>For Work In Restricted Working Space, Add</i>	10.25	
22 11 16 00-0613	EA		3" Copper Cap	113.55	28.86
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.05	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.86	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.55	
			<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-0614	EA		4" Copper Cap	197.96	43.63
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.51	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.20	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.92	
			<i>For Work In Restricted Working Space, Add</i>	19.84	
22 11 16 00-0615	EA		5" Cast Bronze Cap	1,028.58	67.20
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	61.61	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-56.52	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.27	
			<i>For Work In Restricted Working Space, Add</i>	30.55	
22 11 16 00-0616	EA		6" Cast Bronze Cap	1,994.60	97.82
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	114.55	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-107.14	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	22.22	
			<i>For Work In Restricted Working Space, Add</i>	44.45	
22 11 16 00-0617	EA		8" Cast Bronze Cap	2,540.96	130.34
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	146.80	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-136.93	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	29.63	
			<i>For Work In Restricted Working Space, Add</i>	59.26	
22 11 16 00-0618			Copper Crosses (22 11 16 00-0436)		
22 11 16 00-0619	EA		1/2" Copper Cross	105.65	59.61
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.23	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.75	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.41	
			<i>For Work In Restricted Working Space, Add</i>	26.83	
22 11 16 00-0620	EA		3/4" Copper Cross	142.64	74.11
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	18.24	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.69	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.67	
			<i>For Work In Restricted Working Space, Add</i>	33.33	
22 11 16 00-0621	EA		1" Copper Cross	186.34	88.47
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	22.59	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.96	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	19.92	
			<i>For Work In Restricted Working Space, Add</i>	39.83	
22 11 16 00-0622	EA		1-1/4" Copper Cross	220.61	95.79
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	25.39	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-18.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	21.54	
			<i>For Work In Restricted Working Space, Add</i>	43.09	
22 11 16 00-0623	EA		1-1/2" Copper Cross	266.91	104.73
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	29.06	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.20	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	23.58	
			<i>For Work In Restricted Working Space, Add</i>	47.15	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0624	EA		2" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	383.45 36.79 -27.98 26.42 52.84	117.47
	22 11 16 00-0625	EA		2-1/2" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	673.00 53.16 -43.41 29.27 58.53	130.07
	22 11 16 00-0626			Cast Bronze Crosses (22 11 16 00-0436)		
	22 11 16 00-0627	EA		3/8" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.66 10.84 -7.58 9.75 19.51	43.36
	22 11 16 00-0628	EA		1/2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.90 14.39 -9.92 13.41 26.83	59.61
	22 11 16 00-0629	EA		3/4" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.94 18.56 -13.00 16.67 33.33	74.11
	22 11 16 00-0630	EA		1" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.04 23.13 -16.49 19.92 39.83	88.47
	22 11 16 00-0631	EA		1-1/4" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.01 26.16 -18.98 21.54 43.09	95.79
	22 11 16 00-0632	EA		1-1/2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	288.86 30.16 -22.30 23.58 47.15	104.73
	22 11 16 00-0633	EA		2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	424.91 38.86 -30.05 26.42 52.84	117.47
	22 11 16 00-0634	EA		2-1/2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	768.58 57.94 -48.18 29.27 58.53	130.07
	22 11 16 00-0635			Flexible Corrugated Copper Supply Line (22 11 16 00-0436)		
	22 11 16 00-0636	EA		3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	109.11	40.32
	22 11 16 00-0637	EA		3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	114.98	40.32
	22 11 16 00-0638	EA		3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	98.55	40.32
	22 11 16 00-0639	EA		3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	105.20	40.32
	22 11 16 00-0640	EA		3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	111.07	40.32
	22 11 16 00-0641	EA		3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	114.98	40.32
	22 11 16 00-0642			Crimped Copper Fittings (22 11 16 00-0368) Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
	22 11 16 00-0643			Crimped Copper 90 Degree Elbows (22 11 16 00-0642)		
	22 11 16 00-0644	EA		1/2" Crimped Copper 90 Degree Elbow	30.70	17.66
	22 11 16 00-0645	EA		3/4" Crimped Copper 90 Degree Elbow	37.31	20.16
	22 11 16 00-0646	EA		1" Crimped Copper 90 Degree Elbow	50.35	23.99
	22 11 16 00-0647	EA		1-1/4" Crimped Copper 90 Degree Elbow	68.61	26.49
	22 11 16 00-0648	EA		1-1/2" Crimped Copper 90 Degree Elbow	98.83	29.43
	22 11 16 00-0649	EA		2" Crimped Copper 90 Degree Elbow	128.97	35.32
	22 11 16 00-0650	EA		2-1/2" Crimped Copper 90 Degree Elbow	282.53	41.20
	22 11 16 00-0651	EA		3" Crimped Copper 90 Degree Elbow	351.28	49.00
	22 11 16 00-0652	EA		4" Crimped Copper 90 Degree Elbow	440.70	64.75
	22 11 16 00-0653			Crimped Copper 45 Degree Elbows (22 11 16 00-0642)		
	22 11 16 00-0654	EA		1/2" Crimped Copper 45 Degree Elbow	31.40	17.66
	22 11 16 00-0655	EA		3/4" Crimped Copper 45 Degree Elbow	36.19	20.16
	22 11 16 00-0656	EA		1" Crimped Copper 45 Degree Elbow	55.41	23.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0657 EA 1-1/4" Crimped Copper 45 Degree Elbow	67.49	26.49
22 11 16 00-0658 EA 1-1/2" Crimped Copper 45 Degree Elbow	89.16	29.43
22 11 16 00-0659 EA 2" Crimped Copper 45 Degree Elbow	115.93	35.32
22 11 16 00-0660 EA 2-1/2" Crimped Copper 45 Degree Elbow	207.61	41.20
22 11 16 00-0661 EA 3" Crimped Copper 45 Degree Elbow	281.90	49.00
22 11 16 00-0662 EA 4" Crimped Copper 45 Degree Elbow	386.43	64.75
22 11 16 00-0663 Crimped Copper Straight Tees (22 11 16 00-0642)		
22 11 16 00-0664 EA 1/2" Crimped Copper Straight Tee	46.18	26.49
22 11 16 00-0665 EA 3/4" Crimped Copper Straight Tee	63.59	34.88
22 11 16 00-0666 EA 1" Crimped Copper Straight Tee	78.60	38.70
22 11 16 00-0667 EA 1-1/4" Crimped Copper Straight Tee	94.23	39.73
22 11 16 00-0668 EA 1-1/2" Crimped Copper Straight Tee	134.98	45.18
22 11 16 00-0669 EA 2" Crimped Copper Straight Tee	162.60	52.98
22 11 16 00-0670 EA 2-1/2" Crimped Copper Straight Tee	365.42	61.80
22 11 16 00-0671 EA 3" Crimped Copper Straight Tee	451.25	73.58
22 11 16 00-0672 EA 4" Crimped Copper Straight Tee	623.99	97.12
22 11 16 00-0673 Crimped Copper Reducing Tees (22 11 16 00-0642)		
22 11 16 00-0674 EA 3/4" Crimped Copper Reducing Tee	55.34	25.17
22 11 16 00-0675 EA 1" Crimped Copper Reducing Tee	80.73	33.11
22 11 16 00-0676 EA 1-1/4" Crimped Copper Reducing Tee	86.87	36.79
22 11 16 00-0677 EA 1-1/2" Crimped Copper Reducing Tee	116.38	37.82
22 11 16 00-0678 EA 2" Crimped Copper Reducing Tee	139.88	42.82
22 11 16 00-0679 EA 2-1/2" Crimped Copper Reducing Tee	393.94	48.56
22 11 16 00-0680 EA 3" Crimped Copper Reducing Tee	480.48	58.87
22 11 16 00-0681 EA 4" Crimped Copper Reducing Tee	563.91	78.43
22 11 16 00-0682 Crimped Copper Couplings (22 11 16 00-0642)		
22 11 16 00-0683 EA 1/2" Crimped Copper Coupling	30.28	17.66
22 11 16 00-0684 EA 3/4" Crimped Copper Coupling	35.92	20.16
22 11 16 00-0685 EA 1" Crimped Copper Coupling	47.68	23.99
22 11 16 00-0686 EA 1-1/4" Crimped Copper Coupling	54.18	26.49
22 11 16 00-0687 EA 1-1/2" Crimped Copper Coupling	71.07	29.43
22 11 16 00-0688 EA 2" Crimped Copper Coupling	87.33	35.32
22 11 16 00-0689 EA 2-1/2" Crimped Copper Coupling	171.74	41.20
22 11 16 00-0690 EA 3" Crimped Copper Coupling	213.59	49.00
22 11 16 00-0691 EA 4" Crimped Copper Coupling	291.52	64.75
22 11 16 00-0692 Crimped Copper Reducing Couplings (22 11 16 00-0642)		
22 11 16 00-0693 EA 3/4" Crimped Copper Reducing Coupling	42.42	16.78
22 11 16 00-0694 EA 1" Crimped Copper Reducing Coupling	48.47	19.13
22 11 16 00-0695 EA 1-1/4" Crimped Copper Reducing Coupling	63.03	22.81
22 11 16 00-0696 EA 1-1/2" Crimped Copper Reducing Coupling	80.16	25.17
22 11 16 00-0697 EA 2" Crimped Copper Reducing Coupling	89.61	27.96
22 11 16 00-0698 EA 2-1/2" Crimped Copper FTG x C Reducing Coupling	179.91	33.41
22 11 16 00-0699 EA 3" Crimped Copper FTG x C Reducing Coupling	224.51	39.29
22 11 16 00-0700 EA 4" Crimped Copper FTG x C Reducing Coupling	291.71	51.95
22 11 16 00-0701 Crimped Copper Male Adapters (22 11 16 00-0642)		
22 11 16 00-0702 EA 1/2" Crimped Copper Male Adapter	31.12	17.66
22 11 16 00-0703 EA 3/4" Crimped Copper Male Adapter	38.57	20.16
22 11 16 00-0704 EA 1" Crimped Copper Male Adapter	51.47	23.99
22 11 16 00-0705 EA 1-1/4" Crimped Copper Male Adapter	73.51	26.49
22 11 16 00-0706 EA 1-1/2" Crimped Copper Male Adapter	91.54	29.43
22 11 16 00-0707 EA 2" Crimped Copper Male Adapter	144.24	35.32
22 11 16 00-0708 EA 2-1/2" Crimped Copper Male Adapter	282.53	41.20
22 11 16 00-0709 EA 3" Crimped Copper Male Adapter	351.28	49.00
22 11 16 00-0710 EA 4" Crimped Copper Male Adapter	418.57	64.75
22 11 16 00-0711 Crimped Copper Female Adapters (22 11 16 00-0642)		
22 11 16 00-0712 EA 1/2" Crimped Copper Female Adapter	32.09	17.66
22 11 16 00-0713 EA 3/4" Crimped Copper Female Adapter	39.29	20.16
22 11 16 00-0714 EA 1" Crimped Copper Female Adapter	52.88	23.99
22 11 16 00-0715 EA 1-1/4" Crimped Copper Female Adapter	77.73	26.49
22 11 16 00-0716 EA 1-1/2" Crimped Copper Female Adapter	99.40	29.43
22 11 16 00-0717 EA 2" Crimped Copper Female Adapter	146.77	35.32
22 11 16 00-0718 Crimped Copper Caps (22 11 16 00-0642)		
22 11 16 00-0719 EA 1/2" Crimped Copper Cap	21.37	8.83
22 11 16 00-0720 EA 3/4" Crimped Copper Cap	29.18	10.31
22 11 16 00-0721 EA 1" Crimped Copper Cap	38.83	11.77
22 11 16 00-0722 EA 1-1/4" Crimped Copper Cap	43.84	13.24



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0723	EA 1-1/2" Crimped Copper Cap.....	59.96	15.16
	22 11 16 00-0724	EA 2" Crimped Copper Cap.....	71.63	17.66
	22 11 16 00-0725	EA 2-1/2" Crimped Copper Cap.....	175.24	20.60
	22 11 16 00-0726	EA 3" Crimped Copper Cap.....	219.45	24.57
	22 11 16 00-0727	EA 4" Crimped Copper Cap.....	291.97	32.37
22 11 16 00-0728		C x F NPT Crimped Bronze Unions (22 11 16 00-0642)		
	22 11 16 00-0729	EA 1/2" C x F NPT Crimped Bronze Union.....	59.89	23.99
	22 11 16 00-0730	EA 3/4" C x F NPT Crimped Bronze Union.....	74.86	29.58
	22 11 16 00-0731	EA 1" C x F NPT Crimped Bronze Union.....	103.89	35.46
	22 11 16 00-0732	EA 1-1/4" C x F NPT Crimped Bronze Union.....	125.73	40.91
	22 11 16 00-0733	EA 1-1/2" C x F NPT Crimped Bronze Union.....	160.99	40.03
	22 11 16 00-0734	EA 2" C x F NPT Crimped Bronze Union.....	220.58	57.98
22 11 16 00-0735		C x C Crimped Bronze Unions (22 11 16 00-0642)		
	22 11 16 00-0736	EA 1/2" C x C Bronze Crimped Union.....	56.21	17.66
	22 11 16 00-0737	EA 3/4" C x C Bronze Crimped Union.....	69.14	20.16
	22 11 16 00-0738	EA 1" C x C Bronze Crimped Union.....	98.29	23.99
	22 11 16 00-0739	EA 1-1/4" C x C Bronze Crimped Union.....	128.61	26.49
	22 11 16 00-0740	EA 1-1/2" C x C Bronze Crimped Union.....	164.86	29.43
	22 11 16 00-0741	EA 2" C x C Bronze Crimped Union.....	250.10	35.32
22 11 16 00-0742		C x Flange Crimped Bronze Flange (22 11 16 00-0642)		
	22 11 16 00-0743	EA 2-1/2" C x Flange Crimped Bronze Flange.....	483.87	41.20
	22 11 16 00-0744	EA 3" C x Flange Crimped Bronze Flange.....	527.86	49.00
	22 11 16 00-0745	EA 4" C x Flange Crimped Bronze Flange.....	605.67	64.75
22 11 16 00-0746		Field Installed FKM Seals (22 11 16 00-0642)		
		Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
	22 11 16 00-0747	EA 1/2" Field Installed FKM Seal.....	9.01	
		Note: To be used in conjunction with fittings.		
	22 11 16 00-0748	EA 3/4" Field Installed FKM Seal.....	11.36	
		Note: To be used in conjunction with fittings.		
	22 11 16 00-0749	EA 1" Field Installed FKM Seal.....	13.04	
		Note: To be used in conjunction with fittings.		
	22 11 16 00-0750	EA 1-1/4" Field Installed FKM Seal.....	14.98	
		Note: To be used in conjunction with fittings.		
	22 11 16 00-0751	EA 1-1/2" Field Installed FKM Seal.....	20.94	
		Note: To be used in conjunction with fittings.		
	22 11 16 00-0752	EA 2" Field Installed FKM Seal.....	23.33	
		Note: To be used in conjunction with fittings.		
	22 11 16 00-0753	EA 2-1/2" Field Installed FKM Seal.....	34.66	
		Note: To be used in conjunction with fittings.		
	22 11 16 00-0754	EA 3" Field Installed FKM Seal.....	39.84	
		Note: To be used in conjunction with fittings.		
	22 11 16 00-0755	EA 4" Field Installed FKM Seal.....	54.27	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0756		Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0368)		
	22 11 16 00-0757	EA Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	14.72	
	22 11 16 00-0758	EA 3/4", Cut And Prepare Existing In Place Copper Pipe.....	15.90	
	22 11 16 00-0759	EA 1", Cut And Prepare Existing In Place Copper Pipe.....	17.88	
	22 11 16 00-0760	EA 1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	18.76	
	22 11 16 00-0761	EA 1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	19.87	
	22 11 16 00-0762	EA 2", Cut And Prepare Existing In Place Copper Pipe.....	21.86	
	22 11 16 00-0763	EA 2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	23.55	
	22 11 16 00-0764	EA 3", Cut And Prepare Existing In Place Copper Pipe.....	27.81	
	22 11 16 00-0765	EA 4", Cut And Prepare Existing In Place Copper Pipe.....	37.52	
	22 11 16 00-0766	EA 6", Cut And Prepare Existing In Place Copper Pipe.....	53.63	
	22 11 16 00-0767	EA 8", Cut And Prepare Existing In Place Copper Pipe.....	71.52	
22 11 16 00-0768		Sweat Brass Companion Flanges (22 11 16 00-0368)		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
	22 11 16 00-0769	EA 1" Sweat Brass Companion Flange.....	78.65	22.63
	22 11 16 00-0770	EA 1-1/4" Sweat Brass Companion Flange.....	85.86	24.93
	22 11 16 00-0771	EA 1-1/2" Sweat Brass Companion Flange.....	121.68	27.10
	22 11 16 00-0772	EA 2" Sweat Brass Companion Flange.....	162.04	30.07
	22 11 16 00-0773	EA 2-1/2" Sweat Brass Companion Flange.....	204.61	36.18
	22 11 16 00-0774	EA 3" Sweat Brass Companion Flange.....	226.79	47.42
	22 11 16 00-0775	EA 4" Sweat Brass Companion Flange.....	301.89	56.50
	22 11 16 00-0776	EA 5" Sweat Brass Companion Flange.....	559.20	63.76
	22 11 16 00-0777	EA 6" Sweat Brass Companion Flange.....	647.16	92.64
	22 11 16 00-0778	EA 8" Copper Companion Flange.....	1,482.43	132.14



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0779		Brass Compression Fittings (22 11 16 00-0368)		
22 11 16 00-0780		Brass Compression Unions (22 11 16 00-0779)		
22 11 16 00-0781	EA	1/4" Brass Compression Union.....	25.12	15.90
22 11 16 00-0782	EA	3/8" Brass Compression Union.....	25.47	15.90
22 11 16 00-0783	EA	1/2" Brass Compression Union.....	26.54	15.90
22 11 16 00-0784	EA	5/8" Brass Compression Union.....	27.05	15.90
22 11 16 00-0785	EA	3/4" Brass Compression Union.....	33.64	15.90
22 11 16 00-0786	EA	3/8" x 1/4" Brass Compression Union.....	25.71	15.90
22 11 16 00-0787	EA	1/2" x 3/8" Brass Compression Union.....	26.62	15.90
22 11 16 00-0788	EA	5/8" x 3/8" Brass Compression Union.....	27.26	15.90
22 11 16 00-0789	EA	5/8" x 1/2" Brass Compression Union.....	28.27	15.90
22 11 16 00-0790		Brass Compression Union Elbows (22 11 16 00-0779)		
22 11 16 00-0791	EA	1/4" Brass Compression Union Elbow.....	26.54	15.90
22 11 16 00-0792	EA	3/8" Brass Compression Union Elbow.....	27.12	15.90
22 11 16 00-0793	EA	1/2" Brass Compression Union Elbow.....	28.38	15.90
22 11 16 00-0794	EA	5/8" Brass Compression Union Elbow.....	30.35	15.90
22 11 16 00-0795	EA	3/4" Brass Compression Union Elbow.....	38.02	15.90
22 11 16 00-0796	EA	3/8" x 1/4" Brass Compression Union Elbow.....	27.12	15.90
22 11 16 00-0797	EA	1/2" x 3/8" Brass Compression Union Elbow.....	28.38	15.90
22 11 16 00-0798	EA	5/8" x 3/8" Brass Compression Union Elbow.....	28.73	15.90
22 11 16 00-0799	EA	5/8" x 1/2" Brass Compression Union Elbow.....	34.50	15.90
22 11 16 00-0800		Brass Compression Union Tees (22 11 16 00-0779)		
22 11 16 00-0801	EA	1/4" Brass Compression Union Tee.....	26.98	15.90
22 11 16 00-0802	EA	3/8" Brass Compression Union Tee.....	28.17	15.90
22 11 16 00-0803	EA	1/2" Brass Compression Union Tee.....	29.44	15.90
22 11 16 00-0804	EA	5/8" Brass Compression Union Tee.....	33.45	15.90
22 11 16 00-0805	EA	3/4" Brass Compression Union Tee.....	47.30	15.90
22 11 16 00-0806	EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee.....	29.01	15.90
22 11 16 00-0807	EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee.....	35.52	15.90
22 11 16 00-0808	EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee.....	34.89	15.90
22 11 16 00-0809	EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee.....	35.63	15.90
22 11 16 00-0810		Brass Compression Male Connectors (22 11 16 00-0779)		
22 11 16 00-0811	EA	1/4" Brass Compression Male Connector.....	24.87	15.90
22 11 16 00-0812	EA	3/8" Brass Compression Male Connector.....	25.33	15.90
22 11 16 00-0813	EA	1/2" Brass Compression Male Connector.....	26.13	15.90
22 11 16 00-0814	EA	5/8" Brass Compression Male Connector.....	27.33	15.90
22 11 16 00-0815	EA	3/4" Brass Compression Male Connector.....	30.68	15.74
22 11 16 00-0816		Brass Compression Female Connectors (22 11 16 00-0779)		
22 11 16 00-0817	EA	1/4" Brass Compression Female Connector.....	25.37	15.90
22 11 16 00-0818	EA	3/8" Brass Compression Female Connector.....	25.97	15.90
22 11 16 00-0819	EA	1/2" Brass Compression Female Connector.....	26.99	15.90
22 11 16 00-0820	EA	5/8" Brass Compression Female Connector.....	27.65	15.90
22 11 16 00-0821	EA	3/4" Brass Compression Female Connector.....	37.47	15.60
22 11 16 00-0822		Dielectric Fittings (22 11 16 00-0368)		
22 11 16 00-0823		Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)		
22 11 16 00-0824	EA	1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	60.28	35.32
22 11 16 00-0825	EA	3/4" Copper x Female Iron Pipe Thread Dielectric Union.....	67.63	40.32
22 11 16 00-0826	EA	1" Copper x Female Iron Pipe Thread Dielectric Union.....	79.09	44.31
22 11 16 00-0827	EA	1-1/4" Copper x Female Iron Pipe Thread Dielectric Union.....	93.97	48.77
22 11 16 00-0828	EA	1-1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	111.79	54.19
22 11 16 00-0829	EA	2" Copper x Female Iron Pipe Thread Dielectric Union.....	140.54	65.03
22 11 16 00-0830		Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)		
22 11 16 00-0831	EA	1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	64.89	35.32
22 11 16 00-0832	EA	3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	75.22	40.32
22 11 16 00-0833	EA	1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	89.10	44.31
22 11 16 00-0834	EA	1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	107.25	48.77
22 11 16 00-0835	EA	1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	128.22	54.19
22 11 16 00-0836	EA	2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	159.81	65.03
22 11 16 00-0837		Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)		
22 11 16 00-0838	EA	1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	61.97	35.32
22 11 16 00-0839	EA	3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	70.40	40.32
22 11 16 00-0840	EA	1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	79.82	44.31
22 11 16 00-0841	EA	1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	91.40	48.77
22 11 16 00-0842	EA	1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	109.25	54.19



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0843	EA		2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	138.50	65.03
22 11 16 00-0844				Copper x Female Iron Pipe Thread Dielectric Flanges <small>(22 11 16 00-0822)</small>		
	22 11 16 00-0845	EA		2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	345.52	167.19
	22 11 16 00-0846	EA		3" Copper x Female Iron Pipe Thread Dielectric Flange.....	433.03	210.54
	22 11 16 00-0847	EA		4" Copper x Female Iron Pipe Thread Dielectric Flange.....	606.55	286.55
22 11 16 00-0848				Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges <small>(22 11 16 00-0822)</small>		
	22 11 16 00-0849	EA		2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	347.41	167.19
	22 11 16 00-0850	EA		3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	448.14	210.54
	22 11 16 00-0851	EA		4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	780.91	286.55
22 11 16 00-0852				Brass Push-Fit Fittings <small>(22 11 16)</small>		
	22 11 16 00-0853	EA		1/4" x 1/4" Brass Push-Fit Coupling..... Note: (Sharkbite)	29.94	14.72
	22 11 16 00-0854	EA		3/8" x 3/8" Brass Push-Fit Coupling..... Note: (Sharkbite)	36.47	15.70
	22 11 16 00-0855	EA		1/2" x 1/2" Brass Push-Fit Coupling..... Note: (Sharkbite)	38.17	17.66
	22 11 16 00-0856	EA		5/8" x 5/8" Brass Push-Fit Coupling..... Note: (Sharkbite)	43.53	18.84
	22 11 16 00-0857	EA		3/4" x 3/4" Brass Push-Fit Coupling..... Note: (Sharkbite)	44.62	20.12
	22 11 16 00-0858	EA		1" x 1" Brass Push-Fit Coupling..... Note: (Sharkbite)	61.58	24.03
	22 11 16 00-0859	EA		1/2" x 3/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	37.31	16.67
	22 11 16 00-0860	EA		3/4" x 5/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	42.92	18.25
	22 11 16 00-0861	EA		1" x 3/4" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	62.57	22.08
	22 11 16 00-0862	EA		1/4" x 1/4" Brass Push-Fit Elbow..... Note: (Sharkbite)	31.07	14.72
	22 11 16 00-0863	EA		3/8" x 3/8" Brass Push-Fit Elbow..... Note: (Sharkbite)	41.31	15.70
	22 11 16 00-0864	EA		1/2" x 1/2" Brass Push-Fit Elbow..... Note: (Sharkbite)	38.79	17.66
	22 11 16 00-0865	EA		5/8" x 5/8" Brass Push-Fit Elbow..... Note: (Sharkbite)	46.34	18.84
	22 11 16 00-0866	EA		3/4" x 3/4" Brass Push-Fit Elbow..... Note: (Sharkbite)	43.81	20.12
	22 11 16 00-0867	EA		1" x 1" Brass Push-Fit Elbow..... Note: (Sharkbite)	62.20	24.03
	22 11 16 00-0868	EA		1/2" x 3/8" Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)	36.79	16.67
	22 11 16 00-0869	EA		3/4" x 1/2" Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)	40.91	18.25
	22 11 16 00-0870	EA		1" x 3/4" Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)	76.42	22.08
	22 11 16 00-0871	EA		1/4" x 1/4" x 1/4" Brass Push-Fit Tee..... Note: (Sharkbite)	47.06	22.08
	22 11 16 00-0872	EA		3/8" x 3/8" x 3/8" Brass Push-Fit Tee..... Note: (Sharkbite)	58.43	23.55
	22 11 16 00-0873	EA		1/2" x 1/2" x 1/2" Brass Push-Fit Tee..... Note: (Sharkbite)	54.82	26.49
	22 11 16 00-0874	EA		5/8" x 5/8" x 5/8" Brass Push-Fit Tee..... Note: (Sharkbite)	68.32	28.25
	22 11 16 00-0875	EA		3/4" x 3/4" x 3/4" Brass Push-Fit Tee..... Note: (Sharkbite)	63.75	30.17
	22 11 16 00-0876	EA		1" x 1" x 1" Brass Push-Fit Tee..... Note: (Sharkbite)	85.77	36.05
	22 11 16 00-0877	EA		1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	60.26	25.01
	22 11 16 00-0878	EA		1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	60.70	25.51
	22 11 16 00-0879	EA		3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	61.50	28.95
	22 11 16 00-0880	EA		1" x 1" x 3/4" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	82.97	34.09
	22 11 16 00-0881	EA		1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	35.28	16.19
	22 11 16 00-0882	EA		3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	35.04	16.67
	22 11 16 00-0883	EA		1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	34.94	17.66
	22 11 16 00-0884	EA		3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	39.99	20.12
	22 11 16 00-0885	EA		1" x 1" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	55.07	24.03

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0886	EA		1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	31.39	16.19
22 11 16 00-0887	EA		3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	35.04	16.67
22 11 16 00-0888	EA		1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	35.03	17.66
22 11 16 00-0889	EA		3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	39.64	20.12
22 11 16 00-0890	EA		5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	42.44	19.46
22 11 16 00-0891	EA		1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	50.58	22.08
22 11 16 00-0892	EA		1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	55.79	24.03
22 11 16 00-0893	EA		1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	48.38	17.66
22 11 16 00-0894	EA		3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	56.42	20.12
22 11 16 00-0895	EA		1" Brass Push-Fit Ball Valve Note: (Sharkbite)	73.86	24.03
22 11 16 00-0896	EA		1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	51.50	17.66
22 11 16 00-0897	EA		3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	61.69	20.12
22 11 16 00-0898	EA		1" Brass Push-Fit Check Valve Note: (Sharkbite)	101.27	24.03
22 11 16 00-0899			Copper Pipe Assemblies ^(22 11 16) Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0900	LF		1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	28.34	4.12
			<i>For Type K Tubing Instead Of Type L, Add</i>	1.85	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.56	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.72	
			<i>For For Brazed Fittings, Add</i>	0.92	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.57	
			<i>For Work In Restricted Working Space, Add</i>	6.91	
22 11 16 00-0901	LF		3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	33.16	5.30
			<i>For Type K Tubing Instead Of Type L, Add</i>	2.28	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.89	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.27	
			<i>For For Brazed Fittings, Add</i>	1.04	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.96	
			<i>For Work In Restricted Working Space, Add</i>	7.83	
22 11 16 00-0902	LF		1" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	36.91	6.32
			<i>For Type K Tubing Instead Of Type L, Add</i>	2.76	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-2.24	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.58	
			<i>For For Brazed Fittings, Add</i>	1.09	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.21	
			<i>For Work In Restricted Working Space, Add</i>	8.20	
22 11 16 00-0903	LF		1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	41.68	7.36
			<i>For Type K Tubing Instead Of Type L, Add</i>	3.45	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-2.73	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.92	
			<i>For For Brazed Fittings, Add</i>	1.14	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.50	
			<i>For Work In Restricted Working Space, Add</i>	8.52	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-1.33	
22 11 16 00-0904	LF		1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	46.76	8.39
			<i>For Type K Tubing Instead Of Type L, Add</i>	4.08	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-3.19	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.37	
			<i>For For Brazed Fittings, Add</i>	1.21	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.85	
			<i>For Work In Restricted Working Space, Add</i>	9.09	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-1.65	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Water Distribution	22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0905 LF 2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 5.72 <i>For Type M Tubing Instead Of Type L, Deduct</i> -4.37 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 6.47 <i>For For Brazed Fittings, Add</i> 1.39 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -4.73 <i>For Work In Restricted Working Space, Add</i> 10.46 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -2.48	59.66	10.45
22 11 16 00-0906 LF 2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 7.88 <i>For Type M Tubing Instead Of Type L, Deduct</i> -5.89 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 7.44 <i>For For Brazed Fittings, Add</i> 1.50 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -5.57 <i>For Work In Restricted Working Space, Add</i> 11.22 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -3.66	74.01	12.60
22 11 16 00-0907 LF 3" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 10.33 <i>For Type M Tubing Instead Of Type L, Deduct</i> -7.61 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 8.57 <i>For For Brazed Fittings, Add</i> 1.62 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -6.55 <i>For Work In Restricted Working Space, Add</i> 12.15 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -5.00	90.44	14.63
22 11 16 00-0908 LF 4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 17.80 <i>For Type M Tubing Instead Of Type L, Deduct</i> -12.90 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 12.36 <i>For For Brazed Fittings, Add</i> 2.09 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -9.74 <i>For Work In Restricted Working Space, Add</i> 15.71 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -9.01	142.43	19.37
22 11 16 00-0909 LF 5" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 35.33 <i>For Type M Tubing Instead Of Type L, Deduct</i> -25.15 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 19.44 <i>For For Brazed Fittings, Add</i> 2.69 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -16.08 <i>For Work In Restricted Working Space, Add</i> 20.16 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -18.72	254.38	24.12
22 11 16 00-0910 LF 6" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 46.58 <i>For Type M Tubing Instead Of Type L, Deduct</i> -33.12 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 25.18 <i>For For Brazed Fittings, Add</i> 3.41 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -20.91 <i>For Work In Restricted Working Space, Add</i> 25.61 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -24.75	332.87	29.13
22 11 16 00-0911 LF 8" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 111.62 <i>For Type M Tubing Instead Of Type L, Deduct</i> -78.12 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 46.69 <i>For For Brazed Fittings, Add</i> 4.24 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -41.39 <i>For Work In Restricted Working Space, Add</i> 31.82 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -61.57	721.75	34.82
22 11 16 00-0912 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16) Note: Socket weld.		
22 11 16 00-0913 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0912)		
22 11 16 00-0914 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0913)		
22 11 16 00-0915 LF 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 1.62	10.18	2.17
22 11 16 00-0916 LF 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 1.71	12.21	2.27
22 11 16 00-0917 LF 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 1.84	15.69	2.45
22 11 16 00-0918 LF 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 2.01	19.90	2.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0919 LF 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	23.40 2.22	2.96
22 11 16 00-0920 LF 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	30.42 2.48	3.31
22 11 16 00-0921 LF 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	43.30 2.82	3.75
22 11 16 00-0922 LF 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	56.39 3.33	4.45
22 11 16 00-0923 LF 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	80.08 4.10	5.46
22 11 16 00-0924 LF 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	145.86 5.21	6.94
22 11 16 00-0925 LF 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	212.29 6.83	9.10
22 11 16 00-0926 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0913)		
22 11 16 00-0927 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	33.19 7.72	10.30
22 11 16 00-0928 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	44.11 9.76	13.00
22 11 16 00-0929 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	59.09 12.23	16.25
22 11 16 00-0930 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	86.22 15.28	20.33
22 11 16 00-0931 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	96.19 16.91	22.49
22 11 16 00-0932 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	116.55 18.86	22.49
22 11 16 00-0933 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	211.39 21.46	28.58
22 11 16 00-0934 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	236.51 25.37	33.88
22 11 16 00-0935 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	357.49 31.22	41.60
22 11 16 00-0936 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	449.91 39.67	52.84
22 11 16 00-0937 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	950.90 52.03	69.37
22 11 16 00-0938 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0913)		
22 11 16 00-0939 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	36.91 7.72	10.30
22 11 16 00-0940 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	48.56 9.76	13.00
22 11 16 00-0941 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	66.34 12.23	16.25
22 11 16 00-0942 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	95.74 15.28	20.33
22 11 16 00-0943 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	107.78 16.91	22.49
22 11 16 00-0944 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	120.48 18.86	25.21
22 11 16 00-0945 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	213.88 21.46	28.58
22 11 16 00-0946 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	236.20 25.37	33.88
22 11 16 00-0947 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	312.08 31.22	41.60
22 11 16 00-0948 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	535.04 39.67	52.84
22 11 16 00-0949 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,011.21 52.03	69.37
22 11 16 00-0950 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (22 11 16 00-0913)		
22 11 16 00-0951 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	52.17 11.58	15.45
22 11 16 00-0952 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	70.40 14.63	19.51
22 11 16 00-0953 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	87.83 18.37	24.52
22 11 16 00-0954 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	132.47 22.92	30.62
22 11 16 00-0955 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	148.79 25.37	33.88
22 11 16 00-0956 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	190.12 28.29	37.67
22 11 16 00-0957 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	264.73 32.19	42.95



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0958	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	298.10 38.05	50.67
22 11 16 00-0959	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	358.41 46.82	62.46
22 11 16 00-0960	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	593.71 59.51	79.40
22 11 16 00-0961	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	1,392.01 78.04	104.05
22 11 16 00-0962			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses <small>(22 11 16 00-0913)</small>		
22 11 16 00-0963	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	63.16 15.45	20.60
22 11 16 00-0964	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	83.66 19.51	26.01
22 11 16 00-0965	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	104.47 24.47	32.65
22 11 16 00-0966	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	150.18 30.57	40.78
22 11 16 00-0967	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	168.07 33.82	45.12
22 11 16 00-0968	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	208.27 37.72	50.27
22 11 16 00-0969	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	278.65 42.92	57.18
22 11 16 00-0970	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	316.60 50.72	67.61
22 11 16 00-0971	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	382.38 62.43	83.19
22 11 16 00-0972	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	605.00 79.34	105.82
22 11 16 00-0973	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	1,321.75 104.06	138.74
22 11 16 00-0974			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts <small>(22 11 16 00-0913)</small>		
22 11 16 00-0975	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	28.30 7.16	9.48
22 11 16 00-0976	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	40.80 9.63	12.87
22 11 16 00-0977	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	81.72 12.60	16.80
22 11 16 00-0978	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	93.34 13.94	18.56
22 11 16 00-0979	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	113.44 15.57	20.73
22 11 16 00-0980	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	120.62 17.72	23.58
22 11 16 00-0981	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	148.59 20.93	27.91
22 11 16 00-0982	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	212.20 25.77	34.28
22 11 16 00-0983	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	378.13 32.72	43.63
22 11 16 00-0984	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	952.61 42.92	57.18
22 11 16 00-0985			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts <small>(22 11 16 00-0913)</small>		
22 11 16 00-0986	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	46.11 5.08	6.78
22 11 16 00-0987	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	55.30 7.16	9.48
22 11 16 00-0988	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	65.83 9.63	12.87
22 11 16 00-0989	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	79.55 12.60	16.80
22 11 16 00-0990	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	96.54 13.94	18.56
22 11 16 00-0991	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	129.38 15.57	20.73
22 11 16 00-0992	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	224.69 17.72	23.58
22 11 16 00-0993	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	502.37 20.93	27.91



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0994	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	767.69 25.77	34.28
22 11 16 00-0995			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <small>(22 11 16 00-0913)</small>		
22 11 16 00-0996	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	28.11 5.08	6.78
22 11 16 00-0997	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	38.95 7.16	9.48
22 11 16 00-0998	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	57.56 9.63	12.87
22 11 16 00-0999	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	79.55 12.60	16.80
22 11 16 00-1000	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	97.27 13.94	18.56
22 11 16 00-1001	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	120.58 15.57	20.73
22 11 16 00-1002	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	189.10 17.72	23.58
22 11 16 00-1003	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	227.00 20.93	27.91
22 11 16 00-1004	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	351.74 25.77	34.28
22 11 16 00-1005			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <small>(22 11 16 00-0913)</small>		
22 11 16 00-1006	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	32.36 5.08	6.78
22 11 16 00-1007	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	40.30 7.16	9.48
22 11 16 00-1008	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	57.91 9.63	12.87
22 11 16 00-1009	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	80.80 12.60	16.80
22 11 16 00-1010	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	91.57 13.94	18.56
22 11 16 00-1011	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	115.93 15.57	20.73
22 11 16 00-1012	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	191.79 17.72	23.58
22 11 16 00-1013	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	273.97 20.93	27.91
22 11 16 00-1014	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	431.59 25.77	34.28
22 11 16 00-1015			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <small>(22 11 16 00-0913)</small>		
22 11 16 00-1016	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	24.97 4.64	6.24
22 11 16 00-1017	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	35.12 6.50	8.67
22 11 16 00-1018	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	47.24 8.74	11.65
22 11 16 00-1019	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	65.21 11.46	15.31
22 11 16 00-1020	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	76.31 12.68	16.94
22 11 16 00-1021	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	86.67 14.15	18.83
22 11 16 00-1022	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	148.40 16.10	21.40
22 11 16 00-1023	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	159.10 19.02	25.34
22 11 16 00-1024	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	203.41 23.41	31.16
22 11 16 00-1025	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	346.52 29.75	39.70
22 11 16 00-1026	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	631.26 39.02	52.03
22 11 16 00-1027			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <small>(22 11 16 00-0913)</small>		
22 11 16 00-1028	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	59.11 5.57	7.45
22 11 16 00-1029	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	68.53 7.80	10.43
22 11 16 00-1030	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	78.81 10.49	13.95
22 11 16 00-1031	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	148.93 13.74	18.30



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-1032	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	155.67 15.20	20.33
	22 11 16 00-1033	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	230.84 16.99	22.63
	22 11 16 00-1034	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	425.58 19.31	25.74
	22 11 16 00-1035	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	622.02 22.85	30.49
	22 11 16 00-1036	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	1,021.61 28.09	37.40
	22 11 16 00-1037	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	1,372.27 35.69	47.55
	22 11 16 00-1038	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	1,687.03 46.82	62.46
22 11 16 00-1039	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps <small>(22 11 16 00-0913)</small>					
	22 11 16 00-1040	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	24.66 2.90	6.37
	22 11 16 00-1041	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	33.50 3.66	8.00
	22 11 16 00-1042	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	52.95 4.59	10.03
	22 11 16 00-1043	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	60.38 5.73	7.58
	22 11 16 00-1044	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	63.24 6.34	8.40
	22 11 16 00-1045	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	91.36 7.07	9.48
	22 11 16 00-1046	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	148.88 8.05	10.70
	22 11 16 00-1047	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	156.56 9.51	12.73
	22 11 16 00-1048	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	249.63 11.71	15.58
	22 11 16 00-1049	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	573.63 14.88	19.78
	22 11 16 00-1050	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	737.93 19.51	26.01
22 11 16 00-1051	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <small>(22 11 16 00-0913)</small>					
	22 11 16 00-1052	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	48.54 3.70	4.88
	22 11 16 00-1053	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	56.14 5.20	6.91
	22 11 16 00-1054	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	66.54 6.99	9.34
	22 11 16 00-1055	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	75.10 9.19	12.19
	22 11 16 00-1056	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	79.39 10.16	13.55
	22 11 16 00-1057	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	98.19 11.30	15.04
	22 11 16 00-1058	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	137.41 12.89	17.21
	22 11 16 00-1059	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	153.70 15.20	20.33
	22 11 16 00-1060	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	193.01 18.74	24.93
	22 11 16 00-1061	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	284.63 23.82	31.70
	22 11 16 00-1062	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	567.06 31.22	41.60
22 11 16 00-1063	Cross-Linked Polyethylene Tubing, ASTM F877 <small>(22 11 16)</small>					
	Note: Aboveground, domestic water usage.					
22 11 16 00-1064	Cross-Linked Polyethylene Tubing <small>(22 11 16 00-1063)</small>					
	22 11 16 00-1065	LF		3/8" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing <i>For Work In Restricted Working Space, Add</i>	5.79 1.28	
	22 11 16 00-1066	LF		1/2" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing <i>For Work In Restricted Working Space, Add</i>	6.31 1.38	
	22 11 16 00-1067	LF		3/4" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing <i>For Work In Restricted Working Space, Add</i>	8.09 1.49	
	22 11 16 00-1068	LF		1" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing <i>For Work In Restricted Working Space, Add</i>	10.62 1.58	
22 11 16 00-1069	Cross-Linked Polyethylene Forged Brass PEX Fittings <small>(22 11 16 00-1063)</small>					
	Note: Aboveground, domestic water usage.					
22 11 16 00-1070	Male Adapters <small>(22 11 16 00-1069)</small>					



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1071	EA		3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....27.47 <i>For Work In Restricted Working Space, Add</i> 6.62		
22 11 16 00-1072	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....29.57 <i>For Work In Restricted Working Space, Add</i> 7.07		
22 11 16 00-1073	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....32.29 <i>For Work In Restricted Working Space, Add</i> 7.50		
22 11 16 00-1074	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....33.77 <i>For Work In Restricted Working Space, Add</i> 7.95		
22 11 16 00-1075	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....32.29 <i>For Work In Restricted Working Space, Add</i> 7.50		
22 11 16 00-1076	EA		1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....42.25 <i>For Work In Restricted Working Space, Add</i> 8.83		
22 11 16 00-1077			Female Adapters (22 11 16 00-1069)		
22 11 16 00-1078	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....30.20 <i>For Work In Restricted Working Space, Add</i> 7.07		
22 11 16 00-1079	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....34.02 <i>For Work In Restricted Working Space, Add</i> 7.50		
22 11 16 00-1080	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....35.50 <i>For Work In Restricted Working Space, Add</i> 7.95		
22 11 16 00-1081	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....34.02 <i>For Work In Restricted Working Space, Add</i> 7.50		
22 11 16 00-1082	EA		1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....43.04 <i>For Work In Restricted Working Space, Add</i> 8.83		
22 11 16 00-1083			Tube Adapters (22 11 16 00-1069)		
22 11 16 00-1084	EA		3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing .....24.91 <i>For Work In Restricted Working Space, Add</i> 6.62		
22 11 16 00-1085	EA		1/2" Forged Brass Tube Adapter For PEX Tubing .....26.38 <i>For Work In Restricted Working Space, Add</i> 7.07		
22 11 16 00-1086	EA		3/4" Forged Brass Tube Adapter For PEX Tubing .....31.72 <i>For Work In Restricted Working Space, Add</i> 7.95		
22 11 16 00-1087	EA		1" Forged Brass Tube Adapter For PEX Tubing .....40.64 <i>For Work In Restricted Working Space, Add</i> 8.83		
22 11 16 00-1088			Plugs (22 11 16 00-1069)		
22 11 16 00-1089	EA		3/8" Forged Brass Plug For PEX Tubing.....12.51 <i>For Work In Restricted Working Space, Add</i> 3.09		
22 11 16 00-1090	EA		1/2" Forged Brass Plug For PEX Tubing.....13.97 <i>For Work In Restricted Working Space, Add</i> 3.53		
22 11 16 00-1091	EA		3/4" Forged Brass Plug For PEX Tubing.....16.07 <i>For Work In Restricted Working Space, Add</i> 3.97		
22 11 16 00-1092	EA		1" Forged Brass Plug For PEX Tubing.....19.95 <i>For Work In Restricted Working Space, Add</i> 4.42		
22 11 16 00-1093			Tees (22 11 16 00-1069)		
22 11 16 00-1094	EA		3/8" Forged Brass Tee For PEX Tubing.....35.51 <i>For Work In Restricted Working Space, Add</i> 9.27		
22 11 16 00-1095	EA		1/2" Forged Brass Tee For PEX Tubing.....39.92 <i>For Work In Restricted Working Space, Add</i> 10.60		
22 11 16 00-1096	EA		3/4" Forged Brass Tee For PEX Tubing.....47.48 <i>For Work In Restricted Working Space, Add</i> 11.92		
22 11 16 00-1097	EA		1" Forged Brass Tee For PEX Tubing.....60.75 <i>For Work In Restricted Working Space, Add</i> 13.25		
22 11 16 00-1098	EA		1/2" Forged Brass Reducing Tee For PEX Tubing .....38.44 <i>For Work In Restricted Working Space, Add</i> 10.15		
22 11 16 00-1099	EA		3/4" Forged Brass Reducing Tee For PEX Tubing .....44.54 <i>For Work In Restricted Working Space, Add</i> 11.04		
22 11 16 00-1100	EA		1" Forged Brass Reducing Tee For PEX Tubing .....55.07 <i>For Work In Restricted Working Space, Add</i> 11.92		
22 11 16 00-1101			Couplings (22 11 16 00-1069)		
22 11 16 00-1102	EA		3/8" Forged Brass Coupling For PEX Tubing.....22.96 <i>For Work In Restricted Working Space, Add</i> 6.18		
22 11 16 00-1103	EA		1/2" Forged Brass Coupling For PEX Tubing.....26.07 <i>For Work In Restricted Working Space, Add</i> 7.07		
22 11 16 00-1104	EA		3/4" Forged Brass Coupling For PEX Tubing.....29.79 <i>For Work In Restricted Working Space, Add</i> 7.95		
22 11 16 00-1105	EA		1" Forged Brass Coupling For PEX Tubing.....36.39 <i>For Work In Restricted Working Space, Add</i> 8.83		
22 11 16 00-1106	EA		3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing.....28.31 <i>For Work In Restricted Working Space, Add</i> 7.50		
22 11 16 00-1107	EA		1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing.....34.92 <i>For Work In Restricted Working Space, Add</i> 8.39		
22 11 16 00-1108			Fitting Reducers (22 11 16 00-1069)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1109	EA			3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.38 6.62	
22 11 16 00-1110	EA			1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	26.85 7.07	
22 11 16 00-1111	EA			3/4" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	32.67 7.95	
22 11 16 00-1112	EA			1" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	46.03 8.83	
22 11 16 00-1113				90 Degree Elbows <small>(22 11 16 00-1069)</small>		
22 11 16 00-1114	EA			3/8" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	24.38 6.18	
22 11 16 00-1115	EA			1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.33 7.07	
22 11 16 00-1116	EA			3/4" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	32.67 7.95	
22 11 16 00-1117	EA			3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	31.19 7.50	
22 11 16 00-1118	EA			1/2" Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	37.16 7.07	
22 11 16 00-1119	EA			3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	41.52 7.95	
22 11 16 00-1120	EA			3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	40.04 7.50	
22 11 19				Domestic Water Piping Specialties <small>(22 11)</small>		
22 11 19 00-0001				Rubber Hose And Clamps <small>(22 11 19)</small>		
22 11 19 00-0002				General Purpose Hose <small>(22 11 19 00-0001)</small> Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF			3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	8.57	2.93
22 11 19 00-0004	LF			1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.92	2.93
22 11 19 00-0005	LF			5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	11.88	2.93
22 11 19 00-0006	LF			3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	11.97	2.93
22 11 19 00-0007	LF			1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	15.89	4.40
22 11 19 00-0008	LF			1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	25.34	4.40
22 11 19 00-0009	LF			1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	27.61	5.86
22 11 19 00-0010	LF			2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	51.26	5.86
22 11 19 00-0011				Reinforced EPDM Water Hose Assembly <small>(22 11 19 00-0001)</small> Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012	LF			1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	67.14	5.86
22 11 19 00-0013	LF			2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	79.04	5.86
22 11 19 00-0014	LF			3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	111.04	7.21
22 11 19 00-0015	LF			4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	155.45	9.74
22 11 19 00-0016				Chemical Resistant Rubber Hoses <small>(22 11 19 00-0001)</small>		
22 11 19 00-0017	EA			50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,394.26	329.74
22 11 19 00-0018	EA			50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,875.67	329.74
22 11 19 00-0019				Water Pump Hose <small>(22 11 19 00-0001)</small>		
22 11 19 00-0020	EA			2" Inside Diameter, 20' Rubber Discharge Hose.....	600.14	89.54
22 11 19 00-0021	EA			2" Inside Diameter, 20' Rubber Intake Hose.....	632.71	89.54
22 11 19 00-0022				Barbed Hose x Threaded Male Pipe, Steel Coupling <small>(22 11 19 00-0001)</small>		
22 11 19 00-0023	EA			3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	34.92	12.31
22 11 19 00-0024	EA			1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	37.14	13.19
22 11 19 00-0025	EA			5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	39.73	14.07
22 11 19 00-0026	EA			3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	45.59	15.82
22 11 19 00-0027	EA			1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling.....	54.19	19.35
22 11 19 00-0028	EA			1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling.....	64.41	23.15
22 11 19 00-0029	EA			1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling.....	83.41	30.48
22 11 19 00-0030	EA			2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling.....	104.82	38.10
22 11 19 00-0031				Worm-Drive Hose Clamp <small>(22 11 19 00-0001)</small>		
22 11 19 00-0032	EA			3/8" To 1" Diameter Worm Drive Hose Clamp.....	15.15	4.40
22 11 19 00-0033	EA			1/2" To 1-1/6" Diameter Worm Drive Hose Clamp.....	16.02	4.40
22 11 19 00-0034	EA			5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	16.97	4.40
22 11 19 00-0035	EA			3/4" To 2" Diameter Worm Drive Hose Clamp.....	18.08	4.40
22 11 19 00-0036	EA			1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	19.33	4.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0037 EA 1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp	20.90	5.86
22 11 19 00-0038 EA 1-1/2" To 3" Diameter Worm Drive Hose Clamp	22.58	5.86
22 11 19 00-0039 Trap Primer And Accessories (22 11 19)		
22 11 19 00-0040 Trap Primer (22 11 19 00-0039)		
22 11 19 00-0041 EA 1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	304.44	22.08
22 11 19 00-0042 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	187.60	14.72
22 11 19 00-0043 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	182.03	14.72
22 11 19 00-0044 Trap Primer Distribution Unit (22 11 19 00-0039)		
22 11 19 00-0045 EA Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)	170.13	29.43
Note: Can be used for two, three or four drains.		
22 11 19 00-0046 EA Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)	185.13	29.43
Note: Can be used for two, three or four drains.		
22 11 19 00-0047 Trap Primer Manifold (22 11 19 00-0039)		
22 11 19 00-0048 EA Two Outlet Trap Primer Manifold	246.15	39.58
22 11 19 00-0049 EA Four Outlet Trap Primer Manifold	366.91	45.03
22 11 19 00-0050 EA Six Outlet Trap Primer Manifold	483.90	47.68
22 11 19 00-0051 EA Eight Outlet Trap Primer Manifold	607.19	55.92
22 11 19 00-0052 Sewage Air Release Valves (22 11 19)		
22 11 19 00-0053 Cast Iron, Sewage Air Release Valves (22 11 19 00-0052)		
Note: Stainless steel float.		
22 11 19 00-0054 EA 2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	976.79	53.73
For Back Flush Attachment, Add	650.00	
22 11 19 00-0055 EA 3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,209.34	89.79
For Back Flush Attachment, Add	650.00	
22 11 19 00-0056 EA 4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,533.29	113.35
For Back Flush Attachment, Add	650.00	
22 11 19 00-0057 Cast Iron, Sewage Air Vacuum Valves (22 11 19 00-0052)		
Note: Stainless steel float.		
22 11 19 00-0058 EA 2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)	997.49	53.73
For Back Flush Attachment, Add	650.00	
22 11 19 00-0059 EA 2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)	1,934.09	53.73
For Back Flush Attachment, Add	650.00	
22 11 19 00-0060 EA 3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)	2,332.22	89.79
For Back Flush Attachment, Add	650.00	
22 11 19 00-0061 EA 4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404)	3,445.30	113.35
22 11 19 00-0062 Cast Iron, Sewage Combination Air Valves (22 11 19 00-0052)		
Note: Stainless steel float.		
22 11 19 00-0063 EA 2" x 1" NPT, Sewage Combination Air Valve (Apco 443)	2,104.86	53.73
22 11 19 00-0064 EA 2" x 2" NPT, Sewage Combination Air Valve (Apco 445)	2,893.98	53.73
22 11 19 00-0065 EA 3" x 3" NPT, Sewage Combination Air Valve (Apco 447)	3,398.19	89.79
22 11 19 00-0066 EA 4" x 4" NPT, Sewage Combination Air Valve (Apco 449)	4,156.81	113.35
22 11 19 00-0067 Brass, Anti Siphon Vacuum Breakers (22 11 19)		
Note: Watts 288A		
22 11 19 00-0068 EA 1/2" Brass, Anti Siphon Vacuum Breaker	121.04	36.79
22 11 19 00-0069 EA 3/4" Brass, Anti Siphon Vacuum Breaker	138.42	41.20
22 11 19 00-0070 EA 1" Brass, Anti Siphon Vacuum Breaker	265.89	47.09
22 11 19 00-0071 EA 1-1/4" Brass, Anti Siphon Vacuum Breaker	413.29	54.45
22 11 19 00-0072 EA 1-1/2" Brass, Anti Siphon Vacuum Breaker	492.95	60.33
22 11 19 00-0073 EA 2" Brass, Anti Siphon Vacuum Breaker	713.90	73.58
22 11 19 00-0074 EA 2-1/2" Brass, Anti Siphon Vacuum Breaker	1,824.74	91.98
22 11 19 00-0075 Anti Siphon Pressure Vacuum Breakers (22 11 19)		
Note: Watts 800M4QT		
22 11 19 00-0076 EA 1/2" Anti Siphon Pressure Type Vacuum Breaker	322.08	36.79
22 11 19 00-0077 EA 3/4" Anti Siphon Pressure Type Vacuum Breaker	285.66	41.20
22 11 19 00-0078 EA 1" Anti Siphon Pressure Type Vacuum Breaker	402.63	47.09
22 11 19 00-0079 EA 1-1/4" Anti Siphon Pressure Type Vacuum Breaker	714.12	54.45
22 11 19 00-0080 EA 1-1/2" Anti Siphon Pressure Type Vacuum Breaker	868.37	60.33
22 11 19 00-0081 EA 2" Anti Siphon Pressure Type Vacuum Breaker	882.06	73.58
22 11 19 00-0082 Bellows Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0083 EA Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	287.65	17.60



Plumbing	22	22
Plumbing Piping	22 10	
Facility Water Distribution	22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0084 EA >11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith®) 5010).....	556.33	21.29
22 11 19 00-0085 EA >32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith®) 5020).....	811.00	21.29
22 11 19 00-0086 EA >60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith®) 5030).....	1,969.10	21.29
22 11 19 00-0087 EA >113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith®) 5040).....	2,217.16	21.29
22 11 19 00-0088 EA >154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith®) 5050).....	2,714.75	21.29
22 11 19 00-0089 Piston Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0090 Threaded Piston Type Water Hammer Arrestors (22 11 19 00-0089)		
22 11 19 00-0091 EA Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A).....	173.32	9.81
22 11 19 00-0092 EA >11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B).....	330.04	11.32
22 11 19 00-0093 EA >32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C).....	488.76	12.27
22 11 19 00-0094 EA >60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	1,196.89	15.82
22 11 19 00-0095 EA >113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E).....	1,457.89	19.63
22 11 19 00-0096 EA >154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F).....	1,658.57	21.29
22 11 19 00-0097 Wall Hydrants (22 11 19) Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0098 Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0097) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0099 EA 6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	985.17	36.79
For Cast Bronze Box, Add	49.99	
For 1" NPT Outlet, Add	117.83	
22 11 19 00-0100 EA 12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	1,039.17	44.15
For Cast Bronze Box, Add	49.99	
For 1" NPT Outlet, Add	117.83	
22 11 19 00-0101 EA 18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	1,069.31	53.13
For Cast Bronze Box, Add	49.99	
For 1" NPT Outlet, Add	117.83	
22 11 19 00-0102 Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0097) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0103 EA Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	997.06	61.80
For Cast Bronze Box, Add	49.99	
For 1" NPT Outlet, Add	117.83	
22 11 19 00-0104 Cast Bronze Non-Freezing Wall Hydrant (22 11 19 00-0097) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0105 EA 3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	540.49	45.62
For 1" NPT Outlet, Add	117.83	
22 11 19 00-0106 EA 4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	667.07	45.62
For 1" NPT Outlet, Add	117.83	
22 11 19 00-0107 EA 6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	667.07	45.62
For 1" NPT Outlet, Add	117.83	
22 11 19 00-0108 EA 8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	667.07	45.62
For 1" NPT Outlet, Add	117.83	
22 11 19 00-0109 EA 10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	696.54	91.98
For 1" NPT Outlet, Add	117.83	
22 11 19 00-0110 EA 12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	696.54	91.98
For 1" NPT Outlet, Add	117.83	
22 11 19 00-0111 EA 18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	784.65	91.98
For 1" NPT Outlet, Add	117.83	
22 11 19 00-0112 Stainless Steel Box Type Wall Hydrants (22 11 19 00-0097) Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0113 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	493.99	36.79
22 11 19 00-0114 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141).....	538.15	36.79
22 11 19 00-0115 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150).....	544.18	36.79
22 11 19 00-0116 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151).....	610.42	36.79
22 11 19 00-0117 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145).....	857.77	51.51
Note: Includes hot and cold hose connections.		
22 11 19 00-0118 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146).....	883.86	51.51
Note: Includes hot and cold hose connections.		
22 11 19 00-0119 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155).....	883.86	51.51
Note: Includes hot and cold hose connections.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0120 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acom 8156).....	946.09	51.51
Note: Includes hot and cold hose connections.		
22 11 19 00-0121 Washer Boxes And Dryer Outlets (22 11 19)		
22 11 19 00-0122 Dryer Vent Kit (22 11 19 00-0121)		
Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0123 EA Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	96.13	19.13
22 11 19 00-0124 Washer Boxes And Dryer Vents (22 11 19 00-0121)		
Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0125 EA 2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	346.27	29.43
22 11 19 00-0126 Ice Maker Outlet Box (22 11 19)		
Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0127 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	182.91	29.43
22 11 19 00-0128 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount.....	185.75	29.43
22 11 19 00-0129 EA Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	259.74	29.43
22 11 19 00-0130 Tempering Controllers For Potable Hot Water (22 11 19)		
22 11 19 00-0131 Point-Of-Use Thermostatic Mixing Valves (Bradley) (22 11 19 00-0130)		
Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0132 EA 1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	569.23	35.62
22 11 19 00-0133 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	153.80	35.62
22 11 19 00-0134 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	327.13	35.62
22 11 19 00-0135 EA 3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	376.94	47.99
22 11 19 00-0136 Thermostatic Mixing Valves (Bradley) (22 11 19 00-0130)		
Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0137 EA 3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,536.94	51.37
22 11 19 00-0138 EA 3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,726.21	63.28
22 11 19 00-0139 EA 1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	2,074.77	73.60
22 11 19 00-0140 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	2,685.97	77.36
22 11 19 00-0141 EA 2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	3,605.36	100.36
22 11 19 00-0142 High Low Temperature Thermostatic Mixing Valves (Bradley) (22 11 19 00-0130)		
Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0143 EA 3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	3,907.94	79.12
22 11 19 00-0144 EA 1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	5,084.23	92.00
22 11 19 00-0145 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	5,927.41	96.70
22 11 19 00-0146 EA 2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	6,570.27	125.45
22 11 19 00-0147 Thermostatic Mixing Valves (Leonard) (22 11 19 00-0130)		
Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0148 EA 3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF)	1,118.87	51.37
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0149 EA 1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF).....	1,317.85	63.27
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0150 EA 1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF).....	1,618.81	73.60
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0151 EA 1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF).....	1,976.70	77.39
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0152 EA 2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF)	2,933.71	100.36
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0153 Water Mixing/Self Operating Temperature Regulator (22 11 19 00-0130)		
Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0154 EA 3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,205.55	73.58
22 11 19 00-0155 EA 1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,406.63	92.71
22 11 19 00-0156 EA 1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,759.59	111.84
22 11 19 00-0157 EA 1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,144.77	130.97
22 11 19 00-0158 EA 2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,915.32	172.18



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0159	EA		2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	5,782.65	196.32
22 11 19 00-0160				Thermostatic Mixing Valves (Holby) <small>(22 11 19 00-0130)</small>		
	22 11 19 00-0161	EA		2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500).....	5,212.87	100.39
22 11 19 00-0162				Backflow Preventer Valves <small>(22 11 19)</small>		
22 11 19 00-0163				Double Check Valve Backflow Preventer Assemblies <small>(22 11 19 00-0162)</small>		
22 11 19 00-0164				Threaded Double Check Valve Assemblies <small>(22 11 19 00-0163)</small>		
22 11 19 00-0165				Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0164)</small>		
				Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
	22 11 19 00-0166	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	454.02	39.44
				<i>For Work In Restricted Working Space, Add</i>	29.58	
				<i>For Owner Furnished Material, Deduct</i>	-355.42	
	22 11 19 00-0167	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	541.03	55.92
				<i>For Work In Restricted Working Space, Add</i>	41.94	
				<i>For Owner Furnished Material, Deduct</i>	-401.23	
	22 11 19 00-0168	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	625.94	68.28
				<i>For Work In Restricted Working Space, Add</i>	51.21	
				<i>For Owner Furnished Material, Deduct</i>	-455.23	
	22 11 19 00-0169	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	867.48	79.47
				<i>For Work In Restricted Working Space, Add</i>	59.60	
				<i>For Owner Furnished Material, Deduct</i>	-668.81	
	22 11 19 00-0170	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	1,069.95	91.24
				<i>For Work In Restricted Working Space, Add</i>	67.99	
				<i>For Owner Furnished Material, Deduct</i>	-843.32	
	22 11 19 00-0171	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	1,239.80	117.72
				<i>For Work In Restricted Working Space, Add</i>	88.30	
				<i>For Owner Furnished Material, Deduct</i>	-945.48	
22 11 19 00-0172				Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer		
				<small>(22 11 19 00-0164)</small>		
				Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
	22 11 19 00-0173	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	555.72	39.44
				<i>For Work In Restricted Working Space, Add</i>	29.58	
				<i>For Owner Furnished Material, Deduct</i>	-457.12	
	22 11 19 00-0174	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	689.99	55.92
				<i>For Work In Restricted Working Space, Add</i>	41.94	
				<i>For Owner Furnished Material, Deduct</i>	-550.19	
	22 11 19 00-0175	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	808.56	68.28
				<i>For Work In Restricted Working Space, Add</i>	51.21	
				<i>For Owner Furnished Material, Deduct</i>	-637.85	
	22 11 19 00-0176	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,127.68	79.47
				<i>For Work In Restricted Working Space, Add</i>	59.60	
				<i>For Owner Furnished Material, Deduct</i>	-929.01	
	22 11 19 00-0177	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,376.41	91.24
				<i>For Work In Restricted Working Space, Add</i>	67.99	
				<i>For Owner Furnished Material, Deduct</i>	-1,149.78	
	22 11 19 00-0178	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,662.90	117.72
				<i>For Work In Restricted Working Space, Add</i>	88.30	
				<i>For Owner Furnished Material, Deduct</i>	-1,368.58	
22 11 19 00-0179				Flanged Double Check Valve Assemblies <small>(22 11 19 00-0163)</small>		
22 11 19 00-0180				Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0179)</small>		
				Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
	22 11 19 00-0181	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	5,943.29	325.17
				<i>For Work In Restricted Working Space, Add</i>	130.07	
				<i>For Owner Furnished Material, Deduct</i>	-5,509.73	
	22 11 19 00-0182	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS).....	6,531.24	365.82
				<i>For Work In Restricted Working Space, Add</i>	144.29	
				<i>For Owner Furnished Material, Deduct</i>	-6,050.26	
22 11 19 00-0183				Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0179)</small>		
				Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
	22 11 19 00-0184	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY).....	6,503.32	325.17
				<i>For Work In Restricted Working Space, Add</i>	130.07	
				<i>For Owner Furnished Material, Deduct</i>	-6,069.76	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0185 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,464.62 144.29 -6,983.64	365.82
22 11 19 00-0186 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0187 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,983.66 130.06 -5,550.13	325.17
22 11 19 00-0188 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,595.33 144.30 -4,114.33	365.82
22 11 19 00-0189 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,187.61 216.66 -6,465.40	541.95
22 11 19 00-0190 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,915.31 408.22 -9,554.59	753.26
22 11 19 00-0191 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	24,762.67 612.42 -22,721.26	1,129.89
22 11 19 00-0192 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	31,773.89 728.96 -29,344.02	1,336.42
22 11 19 00-0193 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0194 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,370.30 216.65 -7,648.15	541.95
22 11 19 00-0195 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	13,887.52 408.22 -12,526.80	753.26
22 11 19 00-0196 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	36,844.48 728.96 -34,414.61	1,336.42
22 11 19 00-0197 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0198 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,350.05 130.06 -5,916.52	325.17
22 11 19 00-0199 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,978.42 144.29 -6,497.44	365.82
22 11 19 00-0200 EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,616.63 216.65 -6,894.48	541.95
22 11 19 00-0201 EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,739.60 408.22 -11,378.88	753.26
22 11 19 00-0202 EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	26,277.40 612.33 -24,236.31	1,129.89
22 11 19 00-0203 EA 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	33,728.73 728.96 -31,298.86	1,336.42
22 11 19 00-0204 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0205 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,818.91 130.06 -3,385.38	325.17
22 11 19 00-0206 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,205.10 144.29 -3,724.12	365.82
22 11 19 00-0207 EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,785.00 216.65 -4,062.85	541.95
22 11 19 00-0208 EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,713.56 408.22 -6,352.84	753.26



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0209	EA			8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	14,601.19 612.33 -12,560.10	1,129.89
22 11 19 00-0210	EA			10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,870.06 728.96 -13,440.19	1,336.42
22 11 19 00-0211 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0179)</small>						
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).						
22 11 19 00-0212	EA			2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,020.12 130.06 -4,586.59	325.17
22 11 19 00-0213	EA			3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,406.30 144.29 -4,925.32	365.82
22 11 19 00-0214	EA			4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,792.26 216.65 -6,070.11	541.95
22 11 19 00-0215	EA			6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,073.80 408.22 -9,713.08	753.26
22 11 19 00-0216	EA			8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	19,581.40 612.33 -17,540.31	1,129.89
22 11 19 00-0217	EA			10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	23,301.79 728.96 -20,871.92	1,336.42
22 11 19 00-0218 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves <small>(22 11 19 00-0179)</small>						
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).						
22 11 19 00-0219	EA			2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,580.00 130.06 -3,146.47	325.17
22 11 19 00-0220	EA			3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,977.05 144.29 -3,496.07	365.82
22 11 19 00-0221	EA			4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,567.68 216.65 -3,845.53	541.95
22 11 19 00-0222	EA			6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,542.83 408.22 -6,182.11	753.26
22 11 19 00-0223	EA			8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	14,436.66 612.33 -12,395.57	1,129.89
22 11 19 00-0224	EA			10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	16,329.44 728.96 -13,899.57	1,336.42
22 11 19 00-0225 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0179)</small>						
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).						
22 11 19 00-0226	EA			2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,680.48 130.06 -4,246.95	325.17
22 11 19 00-0227	EA			3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,066.66 144.29 -4,585.68	365.82
22 11 19 00-0228	EA			4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,453.04 216.65 -5,730.89	541.95
22 11 19 00-0229	EA			6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,712.49 408.22 -9,351.77	753.26
22 11 19 00-0230	EA			8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	19,034.53 612.33 -16,993.44	1,129.89
22 11 19 00-0231	EA			10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	22,753.32 728.96 -20,323.45	1,336.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0232 Double Check Valve Assemblies With Butterfly Shut-Off Valves (22 11 19 00-0179) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0233 EA 2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,145.04	325.17
For Work In Restricted Working Space, Add	130.06	
For Owner Furnished Material, Deduct	-3,711.51	
22 11 19 00-0234 EA 3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	4,531.22	365.82
For Work In Restricted Working Space, Add	144.29	
For Owner Furnished Material, Deduct	-4,050.24	
22 11 19 00-0235 EA 4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	5,111.13	541.95
For Work In Restricted Working Space, Add	216.65	
For Owner Furnished Material, Deduct	-4,388.98	
22 11 19 00-0236 EA 6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	8,047.90	753.26
For Work In Restricted Working Space, Add	408.22	
For Owner Furnished Material, Deduct	-6,687.18	
22 11 19 00-0237 EA 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	14,935.53	1,129.89
For Work In Restricted Working Space, Add	612.33	
For Owner Furnished Material, Deduct	-12,894.44	
22 11 19 00-0238 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs (22 11 19 00-0179) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0239 EA 2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series).....	5,346.25	325.17
For Work In Restricted Working Space, Add	130.06	
For Owner Furnished Material, Deduct	-4,912.72	
22 11 19 00-0240 EA 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	5,732.43	365.82
For Work In Restricted Working Space, Add	144.29	
For Owner Furnished Material, Deduct	-5,251.45	
22 11 19 00-0241 EA 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	7,118.38	541.95
For Work In Restricted Working Space, Add	216.65	
For Owner Furnished Material, Deduct	-6,396.23	
22 11 19 00-0242 EA 6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	11,408.21	753.26
For Work In Restricted Working Space, Add	408.22	
For Owner Furnished Material, Deduct	-10,047.49	
22 11 19 00-0243 EA 8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	14,935.53	1,129.89
For Work In Restricted Working Space, Add	612.33	
For Owner Furnished Material, Deduct	-12,894.44	
22 11 19 00-0244 Grooved Double Check Valve Assemblies (22 11 19 00-0163)		
22 11 19 00-0245 Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0244) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0246 EA 2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	3,580.00	173.42
For Work In Restricted Working Space, Add	130.06	
For Owner Furnished Material, Deduct	-3,146.47	
22 11 19 00-0247 EA 3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	3,977.05	192.39
For Work In Restricted Working Space, Add	144.29	
For Owner Furnished Material, Deduct	-3,496.07	
22 11 19 00-0248 N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0244) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0249 EA 2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	4,680.48	173.42
For Work In Restricted Working Space, Add	130.06	
For Owner Furnished Material, Deduct	-4,246.95	
22 11 19 00-0250 EA 3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	5,066.66	192.39
For Work In Restricted Working Space, Add	144.29	
For Owner Furnished Material, Deduct	-4,585.68	
22 11 19 00-0251 Reduced Pressure Zone Backflow Preventer Assemblies (22 11 19 00-0162)		
22 11 19 00-0252 Threaded Reduced Pressure Zone Assemblies (22 11 19 00-0251)		
22 11 19 00-0253 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0252) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0254 EA 1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	498.73	34.14
For Work In Restricted Working Space, Add	25.61	
For Owner Furnished Material, Deduct	-413.38	
22 11 19 00-0255 EA 3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	527.64	37.67
For Work In Restricted Working Space, Add	28.26	
For Owner Furnished Material, Deduct	-433.45	
22 11 19 00-0256 EA 1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	612.06	39.44
For Work In Restricted Working Space, Add	29.58	
For Owner Furnished Material, Deduct	-513.46	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0257	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	823.64 41.94 -683.84	55.92
22 11 19 00-0258	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	978.30 51.21 -807.59	68.28
22 11 19 00-0259	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,465.55 59.60 -1,266.88	79.47
22 11 19 00-0260	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,553.09 67.99 -1,326.46	91.24
22 11 19 00-0261	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,868.37 88.30 -1,574.05	117.72
22 11 19 00-0262 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0252)</small>						
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).						
22 11 19 00-0263	EA			1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	548.77 25.61 -463.42	34.14
22 11 19 00-0264	EA			3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	580.38 28.26 -486.19	37.67
22 11 19 00-0265	EA			1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	684.34 29.58 -585.74	55.92
22 11 19 00-0266	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	937.22 41.94 -797.42	55.92
22 11 19 00-0267	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,120.33 51.21 -949.62	68.28
22 11 19 00-0268	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,659.23 59.60 -1,460.56	79.47
22 11 19 00-0269	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,826.42 67.99 -1,599.79	91.24
22 11 19 00-0270	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,203.72 88.30 -1,909.40	117.72
22 11 19 00-0271 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0252)</small>						
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).						
22 11 19 00-0272	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	823.64 41.94 -683.84	55.92
22 11 19 00-0273	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	978.30 51.21 -807.59	68.28
22 11 19 00-0274	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,465.55 59.60 -1,266.88	79.47
22 11 19 00-0275	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,553.09 67.99 -1,326.46	91.24
22 11 19 00-0276	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,868.37 88.30 -1,574.05	117.72
22 11 19 00-0277 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0252)</small>						
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).						
22 11 19 00-0278	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	937.22 41.94 -797.42	55.92

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0279	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,120.33	68.28
			<i>For Work In Restricted Working Space, Add</i>	51.21	
			<i>For Owner Furnished Material, Deduct</i>	-949.62	
22 11 19 00-0280	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,659.23	79.47
			<i>For Work In Restricted Working Space, Add</i>	59.60	
			<i>For Owner Furnished Material, Deduct</i>	-1,460.56	
22 11 19 00-0281	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,826.42	91.24
			<i>For Work In Restricted Working Space, Add</i>	67.99	
			<i>For Owner Furnished Material, Deduct</i>	-1,599.79	
22 11 19 00-0282	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	2,203.72	117.72
			<i>For Work In Restricted Working Space, Add</i>	88.30	
			<i>For Owner Furnished Material, Deduct</i>	-1,909.40	
22 11 19 00-0283			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0252)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0284	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,667.27	55.92
			<i>For Work In Restricted Working Space, Add</i>	41.94	
			<i>For Owner Furnished Material, Deduct</i>	-1,527.47	
22 11 19 00-0285	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,974.62	68.28
			<i>For Work In Restricted Working Space, Add</i>	51.21	
			<i>For Owner Furnished Material, Deduct</i>	-1,803.91	
22 11 19 00-0286	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	3,024.75	79.47
			<i>For Work In Restricted Working Space, Add</i>	59.60	
			<i>For Owner Furnished Material, Deduct</i>	-2,826.08	
22 11 19 00-0287	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	3,272.57	91.24
			<i>For Work In Restricted Working Space, Add</i>	67.99	
			<i>For Owner Furnished Material, Deduct</i>	-3,045.94	
22 11 19 00-0288	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	3,803.13	117.72
			<i>For Work In Restricted Working Space, Add</i>	88.30	
			<i>For Owner Furnished Material, Deduct</i>	-3,508.81	
22 11 19 00-0289			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0252)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0290	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	2,235.06	55.92
			<i>For Work In Restricted Working Space, Add</i>	41.94	
			<i>For Owner Furnished Material, Deduct</i>	-2,095.26	
22 11 19 00-0291	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	2,657.86	68.28
			<i>For Work In Restricted Working Space, Add</i>	51.21	
			<i>For Owner Furnished Material, Deduct</i>	-2,487.15	
22 11 19 00-0292	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,038.95	79.47
			<i>For Work In Restricted Working Space, Add</i>	59.60	
			<i>For Owner Furnished Material, Deduct</i>	-3,840.28	
22 11 19 00-0293	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,414.06	91.24
			<i>For Work In Restricted Working Space, Add</i>	67.99	
			<i>For Owner Furnished Material, Deduct</i>	-4,187.43	
22 11 19 00-0294	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	5,248.57	117.72
			<i>For Work In Restricted Working Space, Add</i>	88.30	
			<i>For Owner Furnished Material, Deduct</i>	-4,954.25	
22 11 19 00-0295			Flanged Reduced Pressure Zone Assemblies <small>(22 11 19 00-0251)</small>		
22 11 19 00-0296			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0295)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0297	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	5,473.81	325.17
			<i>For Work In Restricted Working Space, Add</i>	130.07	
			<i>For Owner Furnished Material, Deduct</i>	-5,040.25	
22 11 19 00-0298	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	6,166.24	365.82
			<i>For Work In Restricted Working Space, Add</i>	144.29	
			<i>For Owner Furnished Material, Deduct</i>	-5,685.26	
22 11 19 00-0299			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer <small>(22 11 19 00-0295)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0300	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	6,507.50	325.17
			<i>For Work In Restricted Working Space, Add</i>	130.07	
			<i>For Owner Furnished Material, Deduct</i>	-6,073.94	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Water Distribution	22 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0301	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	7,367.10	365.82
			<i>For Work In Restricted Working Space, Add</i>	144.29	
			<i>For Owner Furnished Material, Deduct</i>	-6,886.12	
22 11 19 00-0302			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0295)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0303	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	5,869.46	325.17
			<i>For Work In Restricted Working Space, Add</i>	130.07	
			<i>For Owner Furnished Material, Deduct</i>	-5,435.90	
22 11 19 00-0304	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	6,823.79	365.82
			<i>For Work In Restricted Working Space, Add</i>	144.29	
			<i>For Owner Furnished Material, Deduct</i>	-6,342.81	
22 11 19 00-0305			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer <small>(22 11 19 00-0295)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0306	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	6,507.50	325.17
			<i>For Work In Restricted Working Space, Add</i>	130.07	
			<i>For Owner Furnished Material, Deduct</i>	-6,073.94	
22 11 19 00-0307	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	7,367.10	365.82
			<i>For Work In Restricted Working Space, Add</i>	144.29	
			<i>For Owner Furnished Material, Deduct</i>	-6,886.12	
22 11 19 00-0308			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0295)</small>		
			Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0309	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	7,213.80	325.17
			<i>For Work In Restricted Working Space, Add</i>	130.07	
			<i>For Owner Furnished Material, Deduct</i>	-6,780.24	
22 11 19 00-0310	EA		3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	8,343.66	365.82
			<i>For Work In Restricted Working Space, Add</i>	144.29	
			<i>For Owner Furnished Material, Deduct</i>	-7,862.68	
22 11 19 00-0311			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0295)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0312	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	9,334.08	325.17
			<i>For Work In Restricted Working Space, Add</i>	130.06	
			<i>For Owner Furnished Material, Deduct</i>	-8,900.55	
22 11 19 00-0313	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	10,601.91	365.82
			<i>For Work In Restricted Working Space, Add</i>	144.30	
			<i>For Owner Furnished Material, Deduct</i>	-10,120.91	
22 11 19 00-0314	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	13,374.39	541.95
			<i>For Work In Restricted Working Space, Add</i>	216.66	
			<i>For Owner Furnished Material, Deduct</i>	-12,652.18	
22 11 19 00-0315	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	20,288.34	753.26
			<i>For Work In Restricted Working Space, Add</i>	571.54	
			<i>For Owner Furnished Material, Deduct</i>	-18,383.20	
22 11 19 00-0316	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	33,601.10	1,129.89
			<i>For Work In Restricted Working Space, Add</i>	857.31	
			<i>For Owner Furnished Material, Deduct</i>	-30,743.39	
22 11 19 00-0317	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	43,148.80	1,336.42
			<i>For Work In Restricted Working Space, Add</i>	728.96	
			<i>For Owner Furnished Material, Deduct</i>	-40,718.93	
22 11 19 00-0318			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer <small>(22 11 19 00-0295)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0319	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	10,051.53	325.17
			<i>For Work In Restricted Working Space, Add</i>	130.06	
			<i>For Owner Furnished Material, Deduct</i>	-9,618.00	
22 11 19 00-0320	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	11,356.95	365.82
			<i>For Work In Restricted Working Space, Add</i>	144.29	
			<i>For Owner Furnished Material, Deduct</i>	-10,875.97	
22 11 19 00-0321	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	14,532.00	541.95
			<i>For Work In Restricted Working Space, Add</i>	216.65	
			<i>For Owner Furnished Material, Deduct</i>	-13,809.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0322 EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	21,922.95	753.26
For Work In Restricted Working Space, Add	408.22	
For Owner Furnished Material, Deduct	-20,562.23	
22 11 19 00-0323 EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	35,474.70	1,129.89
For Work In Restricted Working Space, Add	612.33	
For Owner Furnished Material, Deduct	-33,433.61	
22 11 19 00-0324 EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	48,088.02	1,336.42
For Work In Restricted Working Space, Add	728.96	
For Owner Furnished Material, Deduct	-45,658.15	
22 11 19 00-0325 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0295)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
22 11 19 00-0326 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	9,924.75	325.17
For Work In Restricted Working Space, Add	130.06	
For Owner Furnished Material, Deduct	-9,491.22	
22 11 19 00-0327 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	11,278.96	365.82
For Work In Restricted Working Space, Add	144.30	
For Owner Furnished Material, Deduct	-10,797.96	
22 11 19 00-0328 EA 4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	14,215.83	541.95
For Work In Restricted Working Space, Add	216.66	
For Owner Furnished Material, Deduct	-13,493.62	
22 11 19 00-0329 EA 6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	20,970.53	753.26
For Work In Restricted Working Space, Add	408.22	
For Owner Furnished Material, Deduct	-19,609.81	
22 11 19 00-0330 EA 8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	34,834.99	1,129.89
For Work In Restricted Working Space, Add	612.33	
For Owner Furnished Material, Deduct	-32,793.90	
22 11 19 00-0331 EA 10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	45,861.87	1,336.42
For Work In Restricted Working Space, Add	728.96	
For Owner Furnished Material, Deduct	-43,432.00	
22 11 19 00-0332 Double Check Detector Assemblies (22 11 19 00-0162)		
22 11 19 00-0333 Flanged Double Check Detector Assemblies With Meter (22 11 19 00-0332)		
22 11 19 00-0334 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0333)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0335 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	7,478.62	365.82
For Work In Restricted Working Space, Add	144.29	
For Owner Furnished Material, Deduct	-6,997.64	
22 11 19 00-0336 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	7,882.15	541.95
For Work In Restricted Working Space, Add	216.65	
For Owner Furnished Material, Deduct	-7,160.00	
22 11 19 00-0337 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	10,658.23	753.26
For Work In Restricted Working Space, Add	408.22	
For Owner Furnished Material, Deduct	-9,297.51	
22 11 19 00-0338 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	18,846.88	1,129.89
For Work In Restricted Working Space, Add	612.33	
For Owner Furnished Material, Deduct	-16,805.79	
22 11 19 00-0339 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	25,397.71	1,336.42
For Work In Restricted Working Space, Add	728.96	
For Owner Furnished Material, Deduct	-22,967.84	
22 11 19 00-0340 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0333)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0341 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	5,617.65	325.17
For Work In Restricted Working Space, Add	130.07	
For Owner Furnished Material, Deduct	-5,184.09	
22 11 19 00-0342 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,003.46	365.82
For Work In Restricted Working Space, Add	144.29	
For Owner Furnished Material, Deduct	-5,522.48	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0343	EA			4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....6,591.37	6,591.37	541.95
				<i>For Work In Restricted Working Space, Add</i>	216.65	
				<i>For Owner Furnished Material, Deduct</i>	-5,869.22	
22 11 19 00-0344	EA			6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....8,981.84	8,981.84	753.26
				<i>For Work In Restricted Working Space, Add</i>	408.22	
				<i>For Owner Furnished Material, Deduct</i>	-7,621.12	
22 11 19 00-0345	EA			8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....15,816.95	15,816.95	1,129.89
				<i>For Work In Restricted Working Space, Add</i>	612.33	
				<i>For Owner Furnished Material, Deduct</i>	-13,775.86	
22 11 19 00-0346	EA			10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....18,655.99	18,655.99	1,336.42
				<i>For Work In Restricted Working Space, Add</i>	728.96	
				<i>For Owner Furnished Material, Deduct</i>	-16,226.12	
22 11 19 00-0347				Double Check Detector Assembly With Butterfly Valves And Meter <small>(22 11 19 00-0333)</small>		
				Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0348	EA			2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....5,943.85	5,943.85	325.17
				<i>For Work In Restricted Working Space, Add</i>	130.07	
				<i>For Owner Furnished Material, Deduct</i>	-5,510.29	
22 11 19 00-0349	EA			3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....6,329.65	6,329.65	365.82
				<i>For Work In Restricted Working Space, Add</i>	144.29	
				<i>For Owner Furnished Material, Deduct</i>	-5,848.67	
22 11 19 00-0350	EA			4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....6,917.50	6,917.50	541.95
				<i>For Work In Restricted Working Space, Add</i>	216.65	
				<i>For Owner Furnished Material, Deduct</i>	-6,195.35	
22 11 19 00-0351	EA			6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....9,316.19	9,316.19	753.26
				<i>For Work In Restricted Working Space, Add</i>	408.22	
				<i>For Owner Furnished Material, Deduct</i>	-7,955.47	
22 11 19 00-0352	EA			8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....15,415.80	15,415.80	1,129.89
				<i>For Work In Restricted Working Space, Add</i>	612.33	
				<i>For Owner Furnished Material, Deduct</i>	-13,374.71	
22 11 19 00-0353				Flanged Double Check Detector Assemblies Without Meter <small>(22 11 19 00-0332)</small>		
22 11 19 00-0354				Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter <small>(22 11 19 00-0353)</small>		
				Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0355	EA			2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....5,514.66	5,514.66	325.17
				<i>For Work In Restricted Working Space, Add</i>	130.07	
22 11 19 00-0356	EA			3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....5,900.51	5,900.51	365.82
				<i>For Work In Restricted Working Space, Add</i>	144.29	
22 11 19 00-0357	EA			4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....6,488.42	6,488.42	541.95
				<i>For Work In Restricted Working Space, Add</i>	216.65	
22 11 19 00-0358	EA			6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....8,878.89	8,878.89	753.26
				<i>For Work In Restricted Working Space, Add</i>	408.22	
22 11 19 00-0359	EA			8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....15,714.07	15,714.07	1,129.89
				<i>For Work In Restricted Working Space, Add</i>	612.33	
22 11 19 00-0360	EA			10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....18,552.97	18,552.97	1,336.42
				<i>For Work In Restricted Working Space, Add</i>	728.96	
22 11 19 00-0361				Double Check Detector Assembly With Butterfly Valves Less Meter <small>(22 11 19 00-0353)</small>		
				Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0362	EA			2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) .....5,840.83	5,840.83	325.17
				<i>For Work In Restricted Working Space, Add</i>	130.07	
22 11 19 00-0363	EA			3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) .....6,226.63	6,226.63	365.82
				<i>For Work In Restricted Working Space, Add</i>	144.29	
22 11 19 00-0364	EA			4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) .....6,814.55	6,814.55	541.95
				<i>For Work In Restricted Working Space, Add</i>	216.65	
22 11 19 00-0365	EA			6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) .....9,213.17	9,213.17	753.26
				<i>For Work In Restricted Working Space, Add</i>	408.22	
22 11 19 00-0366	EA			8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) .....16,048.41	16,048.41	1,129.89
				<i>For Work In Restricted Working Space, Add</i>	612.33	
22 11 19 00-0367				Flanged Double Check Detector Assemblies <small>(22 11 19 00-0332)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0368 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0367)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 774 DCDA OSY series).		
22 11 19 00-0369 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	5,328.30	325.17
For Work In Restricted Working Space, Add	130.07	
For Owner Furnished Material, Deduct	-4,894.74	
22 11 19 00-0370 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	6,439.50	365.82
For Work In Restricted Working Space, Add	144.29	
For Owner Furnished Material, Deduct	-5,958.52	
22 11 19 00-0371 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	7,186.58	541.95
For Work In Restricted Working Space, Add	216.65	
For Owner Furnished Material, Deduct	-6,464.43	
22 11 19 00-0372 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	9,097.75	753.26
For Work In Restricted Working Space, Add	408.22	
For Owner Furnished Material, Deduct	-7,737.03	
22 11 19 00-0373 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	16,026.54	1,129.89
For Work In Restricted Working Space, Add	612.33	
For Owner Furnished Material, Deduct	-13,985.45	
22 11 19 00-0374 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	21,543.13	1,336.42
For Work In Restricted Working Space, Add	728.96	
For Owner Furnished Material, Deduct	-19,113.26	
22 11 19 00-0375 EA 12" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	28,688.77	1,603.71
For Work In Restricted Working Space, Add	874.75	
For Owner Furnished Material, Deduct	-25,772.93	
22 11 19 00-0376 Backflow Preventer Accessories <small>(22 11 19 00-0162)</small>		
22 11 19 00-0377 Air Gap <small>(22 11 19 00-0376)</small>		
22 11 19 00-0378 EA Up To 1" Diameter Air Gap For Backflow Preventer	131.37	18.40
22 11 19 00-0379 EA 1-1/4" To 2" Diameter Air Gap For Backflow Preventer	161.41	22.08
22 11 19 00-0380 EA 2-1/2" To 3" Diameter Air Gap For Backflow Preventer	297.56	29.43
22 11 19 00-0381 EA 4" To 6" Diameter Air Gap For Backflow Preventer	585.47	51.51
22 11 19 00-0382 EA 8" To 10" Diameter Air Gap For Backflow Preventer	629.62	73.58
22 11 19 00-0383 Brass Test Cocks <small>(22 11 19 00-0376)</small>		
22 11 19 00-0384 EA 1/8" Or 1/4" Brass Test Cock	53.42	7.36
22 11 19 00-0385 Backflow Valve Enclosures <small>(22 11 19 00-0162)</small>		
22 11 19 00-0386 Flip-Top, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0385)</small> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0387 EA 19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,261.97	132.44
For Heated Enclosure, Add	156.18	
22 11 19 00-0388 EA 27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,553.31	132.44
For Heated Enclosure, Add	199.89	
22 11 19 00-0389 EA 27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,971.55	121.94
For Heated Enclosure, Add	265.25	
22 11 19 00-0390 EA 33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,046.89	162.59
For Heated Enclosure, Add	266.39	
22 11 19 00-0391 EA 39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,145.69	162.59
For Heated Enclosure, Add	281.21	
22 11 19 00-0392 EA 47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,530.77	162.59
For Heated Enclosure, Add	338.97	
22 11 19 00-0393 EA 39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,540.91	162.59
For Heated Enclosure, Add	340.49	
22 11 19 00-0394 EA 47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,197.06	162.59
For Heated Enclosure, Add	438.91	
22 11 19 00-0395 EA 70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	7,370.80	243.87
For Heated Enclosure, Add	1,044.65	
22 11 19 00-0396 EA 83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	10,681.97	243.87
For Heated Enclosure, Add	1,541.33	
22 11 19 00-0397 EA 70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	10,149.95	243.87
For Heated Enclosure, Add	1,461.52	
22 11 19 00-0398 EA 83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	12,221.62	284.52
For Heated Enclosure, Add	1,762.11	
22 11 19 00-0399 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0385)</small> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0400 EA 20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	692.22	35.32
For Heated Enclosure, Add	126.67	
22 11 19 00-0401 EA 27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	960.76	35.32
For Heated Enclosure, Add	180.38	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0402	EA		38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	1,204.36	32.52
				<i>For Heated Enclosure, Add</i>	230.03	
	22 11 19 00-0403	EA		47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	1,817.44	32.52
				<i>For Heated Enclosure, Add</i>	352.65	
	22 11 19 00-0404	EA		70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	4,702.29	60.97
				<i>For Heated Enclosure, Add</i>	920.13	
	22 11 19 00-0405	EA		83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	6,417.41	60.97
				<i>For Heated Enclosure, Add</i>	1,263.16	
	22 11 19 00-0406	EA		45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	4,276.68	60.97
				<i>For Heated Enclosure, Add</i>	835.01	
	22 11 19 00-0407	EA		53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	4,839.10	60.97
				<i>For Heated Enclosure, Add</i>	947.50	
	22 11 19 00-0408	EA		61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	7,567.58	60.97
				<i>For Heated Enclosure, Add</i>	1,493.19	
22 11 19 00-0409	Sectional, Insulated Aluminum Valve Enclosures <small>(22 11 19 00-0385)</small>					
	Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.					
	22 11 19 00-0410	EA		70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	9,592.16	264.89
				<i>For Heated Enclosure, Add</i>	1,372.60	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0411	EA		83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	10,572.59	264.89
				<i>For Heated Enclosure, Add</i>	1,519.67	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0412	EA		53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	7,489.87	243.87
				<i>For Heated Enclosure, Add</i>	1,062.51	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0413	EA		53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	8,214.43	243.87
				<i>For Heated Enclosure, Add</i>	1,171.20	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0414	EA		90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	9,558.36	325.17
				<i>For Heated Enclosure, Add</i>	1,352.46	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0415	EA		102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	10,718.66	325.17
				<i>For Heated Enclosure, Add</i>	1,526.51	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0416	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	10,718.66	325.17
				<i>For Heated Enclosure, Add</i>	1,526.51	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0417	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	11,843.49	325.17
				<i>For Heated Enclosure, Add</i>	1,695.23	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0418	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	8,892.72	284.52
				<i>For Heated Enclosure, Add</i>	1,262.78	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0419	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	10,412.12	325.17
				<i>For Heated Enclosure, Add</i>	1,480.53	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0420	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	12,167.77	325.17
				<i>For Heated Enclosure, Add</i>	1,743.87	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0421	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	13,356.87	345.49
				<i>For Heated Enclosure, Add</i>	1,917.16	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0422	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	13,697.84	375.26
				<i>For Heated Enclosure, Add</i>	1,960.86	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0423	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	15,183.73	397.33
				<i>For Heated Enclosure, Add</i>	2,178.23	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0424	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	15,711.35	365.82
				<i>For Heated Enclosure, Add</i>	2,265.25	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0425	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	11,407.75	325.17
				<i>For Heated Enclosure, Add</i>	1,629.87	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	
	22 11 19 00-0426	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	12,160.17	325.17
				<i>For Heated Enclosure, Add</i>	1,742.73	
				<i>For One 24" Fluorescent Light Fixture, Add</i>	795.37	
				<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,423.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0427	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,759.69 1,977.58 795.37 1,423.29	345.49
22 11 19 00-0428	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	16,676.58 2,410.03 795.37 1,423.29	365.82
22 11 19 00-0429	EA		118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	14,551.05 2,091.20 795.37 1,423.29	162.59
22 11 19 00-0430	EA		142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	17,485.68 2,526.32 795.37 1,423.29	162.59
22 11 19 00-0431	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	16,905.53 2,439.29 795.37 1,423.29	243.87
22 11 19 00-0432	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	19,615.62 2,835.65 795.37 1,423.29	243.87
22 11 19 00-0433	EA		142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	18,099.69 2,613.34 795.37 1,423.29	243.87
22 11 19 00-0434	EA		172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	21,154.33 3,061.37 795.37 1,423.29	284.52
22 11 19 00-0435	EA		142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	21,222.07 3,061.37 795.37 1,423.29	243.87
22 11 19 00-0436	EA		172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	25,178.60 3,644.69 795.37 1,423.29	243.87
22 11 19 00-0437			Faucets (Hose Bibbs) (22 11 19)		
22 11 19 00-0438			Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends (22 11 19 00-0437)		
22 11 19 00-0439	EA		1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	74.50	14.72
22 11 19 00-0440	EA		3/4", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	86.83	16.19
22 11 19 00-0441	EA		3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL)	21.92	11.04
22 11 19 00-0442			Chrome Plated Brass Hose Valves, Screwed Ends (22 11 19 00-0437)		
22 11 19 00-0443	EA		3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	229.41	45.03
22 11 19 00-0444			Antisiphon Freezeless Wall Faucet (Woodford 19CP) (22 11 19 00-0437)		
22 11 19 00-0445	EA		4" Long, 1/2" Antisiphon Freezeless Wall Faucet	158.89	36.79
22 11 19 00-0446	EA		6" Long, 1/2" Antisiphon Freezeless Wall Faucet	172.90	40.76
22 11 19 00-0447	EA		8" Long, 1/2" Antisiphon Freezeless Wall Faucet	183.23	43.12
22 11 19 00-0448	EA		10" Long, 1/2" Antisiphon Freezeless Wall Faucet	193.55	46.21
22 11 19 00-0449	EA		12" Long, 1/2" Antisiphon Freezeless Wall Faucet	204.02	49.00
22 11 19 00-0450			Escutcheons (22 11 19)		
22 11 19 00-0451			Brass Escutcheons (22 11 19 00-0450)		
22 11 19 00-0452			Shallow Brass Escutcheons (22 11 19 00-0451)		
22 11 19 00-0453	EA		3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	14.93	3.68
22 11 19 00-0454	EA		1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	15.96	3.68
22 11 19 00-0455			Deep Bell Brass Escutcheons (22 11 19 00-0451)		
22 11 19 00-0456	EA		3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	17.29	4.12
22 11 19 00-0457	EA		1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	17.33	4.12
22 11 19 00-0458			Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0451)		
22 11 19 00-0459	EA		3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.15	3.68
22 11 19 00-0460	EA		1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.42	3.68
22 11 19 00-0461	EA		5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.81	3.68
22 11 19 00-0462	EA		3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.25	3.68
22 11 19 00-0463	EA		7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.72	4.41
22 11 19 00-0464	EA		1" IPS, Chrome Plated Brass Escutcheon With Setscrew	30.11	4.41



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0465	EA		1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	31.24	4.86
	22 11 19 00-0466	EA		1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	32.71	5.15
	22 11 19 00-0467	EA		2" IPS, Chrome Plated Brass Escutcheon With Setscrew	46.66	5.88
22 11 19 00-0468				Plastic Escutcheons (22 11 19 00-0450)		
22 11 19 00-0469				Split-Ring White Plastic Escutcheons (22 11 19 00-0468)		
	22 11 19 00-0470	EA		3/8" IPS, Split-Ring White Plastic Escutcheon	8.61	3.66
	22 11 19 00-0471	EA		1/2" IPS, Split-Ring White Plastic Escutcheon	8.61	3.66
	22 11 19 00-0472	EA		3/4" IPS, Split-Ring White Plastic Escutcheon	9.95	4.10
	22 11 19 00-0473	EA		1" IPS, Split-Ring White Plastic Escutcheon	10.79	4.40
	22 11 19 00-0474	EA		1-1/4" IPS, Split-Ring White Plastic Escutcheon	11.64	4.84
	22 11 19 00-0475	EA		1-1/2" IPS, Split-Ring White Plastic Escutcheon	12.45	5.13
	22 11 19 00-0476	EA		2" IPS, Split-Ring White Plastic Escutcheon	14.06	5.86
	22 11 19 00-0477	EA		2-1/2" IPS, Split-Ring White Plastic Escutcheon	17.49	6.30
	22 11 19 00-0478	EA		3" IPS, Split-Ring White Plastic Escutcheon	20.92	6.59
	22 11 19 00-0479	EA		4" IPS, Split-Ring White Plastic Escutcheon	25.08	7.33
22 11 19 00-0480				Chrome Plate Plastic Escutcheons (22 11 19 00-0468)		
	22 11 19 00-0481	EA		1/2" IPS, Chrome Plate Plastic Escutcheon	10.82	3.66
	22 11 19 00-0482	EA		3/4" IPS, Chrome Plate Plastic Escutcheon	11.84	4.10
	22 11 19 00-0483	EA		1" IPS, Chrome Plate Plastic Escutcheon	13.23	4.40
	22 11 19 00-0484	EA		1-1/4" IPS, Chrome Plate Plastic Escutcheon	14.62	4.84
	22 11 19 00-0485	EA		1-1/2" IPS, Chrome Plate Plastic Escutcheon	15.45	5.13
	22 11 19 00-0486	EA		2" IPS, Chrome Plate Plastic Escutcheon	19.18	5.86
	22 11 19 00-0487	EA		2-1/2" IPS, Chrome Plate Plastic Escutcheon	26.71	6.30
	22 11 19 00-0488	EA		3" IPS, Chrome Plate Plastic Escutcheon	27.73	6.59
	22 11 19 00-0489	EA		4" IPS, Chrome Plate Plastic Escutcheon	29.76	7.33
22 11 19 00-0490				Stainless Steel Escutcheons (22 11 19 00-0450)		
22 11 19 00-0491				Shallow Stainless Steel Escutcheons (22 11 19 00-0490)		
	22 11 19 00-0492	EA		3/8" IPS, Shallow Stainless Steel Escutcheon	19.86	3.68
	22 11 19 00-0493	EA		1/2" IPS, Shallow Stainless Steel Escutcheon	19.86	3.68
	22 11 19 00-0494	EA		3/4" IPS, Shallow Stainless Steel Escutcheon	27.54	4.12
22 11 19 00-0495				Chrome Plated Steel Escutcheons (22 11 19 00-0450)		
22 11 19 00-0496				Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0495)		
	22 11 19 00-0497	EA		1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.15	3.66
	22 11 19 00-0498	EA		3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.88	4.10
	22 11 19 00-0499	EA		1" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.76	4.40
	22 11 19 00-0500	EA		1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.49	4.84
	22 11 19 00-0501	EA		1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	11.23	5.13
	22 11 19 00-0502	EA		2" IPS, Split-Ring Chrome Plated Steel Escutcheon	12.93	5.86
	22 11 19 00-0503	EA		2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	19.14	6.30
	22 11 19 00-0504	EA		3" IPS, Split-Ring Chrome Plated Steel Escutcheon	20.33	6.59
	22 11 19 00-0505	EA		3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	24.88	7.03
	22 11 19 00-0506	EA		4" IPS, Split-Ring Chrome Plated Steel Escutcheon	22.19	7.33
	22 11 19 00-0507	EA		5" IPS, Split-Ring Chrome Plated Steel Escutcheon	28.43	8.06
	22 11 19 00-0508	EA		6" IPS, Split-Ring Chrome Plated Steel Escutcheon	33.08	8.79
22 11 19 00-0509				Split-Ring/Springs Chrome Plated Steel Escutcheons (22 11 19 00-0495)		
	22 11 19 00-0510	EA		3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.74	3.66
	22 11 19 00-0511	EA		1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.74	3.66
	22 11 19 00-0512	EA		3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.64	4.10
	22 11 19 00-0513	EA		1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.91	4.40
	22 11 19 00-0514	EA		1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	16.29	4.84
	22 11 19 00-0515	EA		1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	17.26	5.13
	22 11 19 00-0516	EA		2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	20.43	5.86
	22 11 19 00-0517	EA		2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	23.44	6.30
	22 11 19 00-0518	EA		3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	28.50	6.59
	22 11 19 00-0519	EA		3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	34.87	7.03
	22 11 19 00-0520	EA		4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	35.43	7.33
	22 11 19 00-0521	EA		5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	57.96	8.06
	22 11 19 00-0522	EA		6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	60.56	8.79
22 11 19 00-0523				Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0495)		
	22 11 19 00-0524	EA		3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.93	4.12
	22 11 19 00-0525	EA		1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.79	4.12
	22 11 19 00-0526	EA		3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.51	4.12
	22 11 19 00-0527	EA		1" IPS, Deep Bell Chrome Plated Steel Escutcheon	10.54	4.41
	22 11 19 00-0528	EA		1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	11.44	4.86
	22 11 19 00-0529	EA		1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	12.59	5.15



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0530			Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0495)		
22 11 19 00-0531	EA		3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.98	3.68
22 11 19 00-0532	EA		1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.98	3.68
22 11 19 00-0533	EA		3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.11	3.68
22 11 19 00-0534	EA		1" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.73	4.41
22 11 19 00-0535	EA		1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	10.53	4.86
22 11 19 00-0536	EA		1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	11.66	5.15
22 11 19 00-0537	EA		2" IPS, Shallow Chrome Plated Steel Escutcheon.....	13.22	5.88
22 11 19 00-0538			Keyed, Recessed Valve Boxes (22 11 19)		
22 11 19 00-0539	EA		8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	319.93	43.96
22 11 19 00-0540	EA		8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	353.07	43.96
22 11 19 00-0541	EA		8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	402.79	43.96
22 11 19 00-0542	EA		12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	398.95	58.62
22 11 19 00-0543	EA		12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	448.67	58.62
22 11 19 00-0544	EA		12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	463.59	58.62
22 11 19 00-0545	EA		8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	372.96	43.96
22 11 19 00-0546	EA		8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	445.88	43.96
22 11 19 00-0547	EA		8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	510.51	43.96
22 11 19 00-0548	EA		12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	491.76	58.62
22 11 19 00-0549	EA		12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	556.40	58.62
22 11 19 00-0550	EA		12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	581.26	58.62
22 11 23			Domestic Water Pumps (22 11)		
22 11 23 13			Domestic Water Packaged Booster Pumps (22 11 23)		
			Note: Includes motor starter and controls.		
22 11 23 13-0001			Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)		
22 11 23 13-0002	EA		1 HP Simplex Domestic Water Packaged Booster Pump And Tank	13,606.44	433.56
22 11 23 13-0003	EA		1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	14,170.23	582.60
22 11 23 13-0004	EA		2 HP Simplex Domestic Water Packaged Booster Pump And Tank	14,829.59	731.63
22 11 23 13-0005	EA		3 HP Simplex Domestic Water Packaged Booster Pump And Tank	15,441.16	880.66
22 11 23 13-0006	EA		5 HP Simplex Domestic Water Packaged Booster Pump And Tank	17,104.24	1,029.70
22 11 23 13-0007	EA		7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	19,006.31	1,178.74
22 11 23 13-0008	EA		10 HP Simplex Domestic Water Packaged Booster Pump And Tank	20,334.82	1,327.78
22 11 23 13-0009			Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0010	EA		100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	36,743.73	1,753.86
22 11 23 13-0011	EA		200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	44,208.68	1,863.47
22 11 23 13-0012	EA		300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	51,704.09	1,973.09
22 11 23 13-0013			Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0014	EA		200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	48,283.28	1,863.47
22 11 23 13-0015	EA		300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	60,048.68	1,973.09
22 11 23 13-0016	EA		500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	74,586.65	2,192.32
22 11 23 13-0017	EA		750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	94,422.20	2,411.55
22 11 23 13-0018	EA		1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	114,257.76	2,630.78
22 11 23 13-0019	EA		1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	133,087.62	2,959.63
22 11 23 13-0020	EA		2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	151,917.48	3,288.48
22 11 23 13-0021	EA		3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	170,747.34	3,617.33
22 11 23 13-0022	EA		5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	189,851.25	4,055.79
22 11 23 13-0023			Variable Speed Duplex Domestic Water Pressure Booster Skid (22 11 23 13)		
			Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0024	EA		40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1)	41,030.47	1,835.48
22 11 23 13-0025	EA		40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2)	42,901.20	1,835.48
22 11 23 13-0026	EA		80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3)	45,574.26	1,835.48
22 11 23 13-0027	EA		80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4)	49,427.45	1,835.48
22 11 23 13-0028	EA		160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5)	46,679.64	1,950.20
22 11 23 13-0029	EA		160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6)	50,043.30	1,950.20
22 11 23 13-0030	EA		160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7)	54,611.47	1,950.20
22 11 23 13-0031	EA		160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8)	58,324.51	1,950.20



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI , NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....	50,998.36	2,064.92
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....	54,319.37	2,064.92
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....	61,745.44	2,064.92
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....	74,208.88	2,064.92
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....	53,852.20	2,064.92
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....	60,626.25	2,064.92
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....	75,537.29	2,064.92
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....	75,106.67	2,064.92
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....	89,561.48	2,294.35
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....	61,632.48	2,294.35
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....	75,211.05	2,294.35
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....	74,782.47	2,294.35
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....	90,227.72	2,294.35
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....	109,119.91	2,294.35
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....	51,820.20	1,835.48
22 11 23 13-0047		Variable Speed Triplex Domestic Water Pressure Booster Skid ^(22 11 23 13) Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....	51,820.20	1,835.48
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....	57,950.37	1,835.48
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....	63,239.61	1,835.48
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....	58,237.17	1,950.20
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....	63,489.85	1,950.20
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	59,464.01	1,950.20
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	63,979.37	1,950.20
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	70,188.75	1,950.20
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	75,335.81	1,950.20
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	60,047.36	2,064.92
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	64,562.71	2,064.92
22 11 23 13-0059	EA	300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	70,770.06	2,064.92
22 11 23 13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	75,917.12	2,064.92
22 11 23 13-0061	EA	360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	65,125.36	2,064.92
22 11 23 13-0062	EA	360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	69,461.97	2,064.92
22 11 23 13-0063	EA	360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	80,176.55	2,064.92
22 11 23 13-0064	EA	360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	97,661.12	2,064.92
22 11 23 13-0065	EA	480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	66,584.55	2,294.35
22 11 23 13-0066	EA	480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	70,923.19	2,294.35
22 11 23 13-0067	EA	480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	81,637.77	2,294.35
22 11 23 13-0068	EA	480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	99,120.31	2,294.35
22 11 23 13-0069	EA	540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	70,220.40	2,294.35
22 11 23 13-0070	EA	540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	79,957.97	2,294.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0071 EA 540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25).....	101,110.89	2,294.35
22 11 23 13-0072 EA 540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26).....	103,160.37	2,294.35
22 11 23 13-0073 EA 540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27).....	127,715.54	2,294.35
22 11 23 13-0074 EA 660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28).....	79,604.09	2,753.23
22 11 23 13-0075 EA 660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29).....	95,652.60	2,753.23
22 11 23 13-0076 EA 660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30).....	101,738.08	2,753.23
22 11 23 13-0077 EA 660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31).....	122,612.72	2,753.23
22 11 23 13-0078 EA 660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32).....	151,823.41	2,753.23

22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)

22 11 23 23-0001	Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)		
Note: ODP motor.			
22 11 23 23-0002 EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	1,341.78	243.87
22 11 23 23-0003 EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	1,377.63	243.87
22 11 23 23-0004 EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	1,441.92	248.62
22 11 23 23-0005 EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	1,589.38	258.78
22 11 23 23-0006 EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	2,853.00	268.38
22 11 23 23-0007 EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	3,043.75	268.38
22 11 23 23-0008 EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	4,551.41	295.49
22 11 23 23-0009 EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	4,745.85	324.63
22 11 23 23-0010 EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	5,746.59	357.16
22 11 23 23-0011 EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	5,872.83	393.08
22 11 23 23-0012 EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	6,422.48	431.71
22 11 23 23-0013 EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	9,206.95	475.09
22 11 23 23-0014 EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	10,607.06	498.13

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

22 11 23 23-0015	Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)		
Note: ODP motor.			
22 11 23 23-0016 EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	1,397.72	243.87
22 11 23 23-0017 EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	2,341.78	243.87
22 11 23 23-0018 EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,351.57	248.62
22 11 23 23-0019 EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,392.25	254.04
22 11 23 23-0020 EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	2,401.71	258.78
22 11 23 23-0021 EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	2,446.83	268.38
22 11 23 23-0022 EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	2,991.63	295.49
22 11 23 23-0023 EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	3,860.40	357.16
22 11 23 23-0024 EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	4,066.69	393.08
22 11 23 23-0025 EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	4,747.41	431.71
22 11 23 23-0026 EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	6,409.71	475.09
22 11 23 23-0027 EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	7,495.29	498.13
22 11 23 23-0028 EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	6,726.98	523.21
22 11 23 23-0029 EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	7,231.04	575.12
22 11 23 23-0030 EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	7,944.24	609.95
22 11 23 23-0031 EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	10,067.88	677.72
22 11 23 23-0032 EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	10,676.62	813.41
22 11 23 23-0033 EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	13,621.37	949.22

22 12 Facility Potable-Water Storage Tanks (22 10)

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)

22 12 19 00-0001	Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)		
22 12 19 00-0002 EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	38,729.52	9,345.31
22 12 19 00-0003 EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	43,833.77	9,345.31
22 12 19 00-0004 EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	78,751.73	14,421.81
22 12 19 00-0005 EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	101,656.93	18,690.63

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)

22 12 19 00-0007 EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	46,291.37	9,345.31
22 12 19 00-0008 EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	64,061.70	9,345.31
22 12 19 00-0009 EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	95,559.29	14,421.81
22 12 19 00-0010 EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	137,196.62	18,690.63

22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)

22 12 23 13-0001	Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)		
------------------	---	--	--



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13-0002 EA 80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	2,839.59	541.95
22 12 23 13-0003 EA 119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	3,519.81	677.43
22 12 23 13-0004 EA 140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	6,333.45	745.18
22 12 23 13-0005 EA 200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	7,000.48	812.92
22 12 23 13-0006 EA 250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	13,668.85	880.66
22 12 23 13-0007 EA 350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	11,839.20	948.41
22 12 23 13-0008 EA 400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	20,125.58	1,016.15
22 12 23 13-0009 EA 500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	18,594.00	1,083.89
22 12 23 13-0010 EA 750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	20,191.26	1,151.64
22 12 23 13-0011 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	24,008.31	1,219.38
22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)		
22 12 23 13-0013 EA 80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	2,455.25	541.95
22 12 23 13-0014 EA 120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	4,602.32	677.43
22 12 23 13-0015 EA 140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	5,722.20	745.18
22 12 23 13-0016 EA 200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	7,038.31	812.92
22 12 23 13-0017 EA 200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	6,017.08	812.92
22 12 23 13-0018 EA 250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	9,184.17	880.66
22 12 23 13-0019 EA 325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	9,938.24	948.41
22 12 23 13-0020 EA 350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	9,474.31	948.41
22 12 23 13-0021 EA 350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	8,671.78	948.41
22 12 23 13-0022 EA 400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	11,774.80	1,016.15
22 12 23 13-0023 EA 500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	12,767.51	1,083.89
22 12 23 13-0024 EA 750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	14,788.57	1,151.64
22 12 23 13-0025 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	27,444.63	1,219.38
22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)		
22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)		
Note: Excludes excavation and backfill.		
22 12 23 26-0002 EA 100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	795.28	304.85
For Saddle Assembly, Add	878.69	
22 12 23 26-0003 EA 150 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	931.24	355.66
For Saddle Assembly, Add	878.69	
22 12 23 26-0004 EA 200 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,101.31	406.46
For Saddle Assembly, Add	994.66	
22 12 23 26-0005 EA 300 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,332.77	457.27
For Saddle Assembly, Add	1,447.17	
22 12 23 26-0006 EA 335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,589.25	508.08
For Two Tie Down Bands, Add	511.48	
22 12 23 26-0007 EA 535 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,979.85	630.63
For Two Tie Down Bands, Add	543.31	
22 12 23 26-0008 EA 1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,932.40	735.73
For Three Tie Down Bands, Add	917.30	
22 12 23 26-0009 EA 1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	4,202.25	840.84
For Three Tie Down Bands, Add	924.13	
22 12 23 26-0010 EA 1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	5,231.49	945.94
For Four Tie Down Bands, Add	1,250.36	
22 12 23 26-0011 EA 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	6,120.80	1,051.05
For Four Tie Down Bands, Add	1,714.24	
22 12 23 26-0012 EA 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	8,704.36	1,156.15
For Four Tie Down Bands, Add	2,223.60	
22 12 23 26-0013 EA 3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	10,072.41	1,261.25
For Four Tie Down Bands, Add	2,396.42	
22 12 23 26-0014 EA 4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	14,451.09	1,681.67
For Four Tie Down Bands, Add	2,696.58	
22 12 23 26-0015 EA 5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	18,630.35	1,681.67
For Five Tie Down Bands, Add	4,200.69	
22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)		
22 12 23 26-0017 EA 100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	885.29	406.46
22 12 23 26-0018 EA 160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,053.32	431.87
22 12 23 26-0019 EA 210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,153.13	457.27
22 12 23 26-0020 EA 300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,386.87	508.08
22 12 23 26-0021 EA 405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,588.30	609.69
22 12 23 26-0022 EA 500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,873.87	711.31
22 12 23 26-0023 EA 800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,494.53	840.84
22 12 23 26-0024 EA 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	3,225.06	1,051.05
22 12 23 26-0025 EA 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	4,314.85	1,261.25
22 12 23 26-0026 EA 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	5,618.39	1,471.47
22 12 23 26-0027 EA 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,202.15	1,681.67
22 12 23 26-0028 EA 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	11,054.24	1,891.88

22 Plumbing**22 10 Plumbing Piping****22 12 Facility Potable-Water Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0029 EA 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	12,526.05	2,102.09
22 12 23 26-0030 EA 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	13,802.31	2,312.30
22 12 23 26-0031 EA 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	15,883.52	2,522.51
22 12 23 26-0032 EA 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	17,926.10	2,732.72
22 12 23 26-0033 EA 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	22,128.88	2,942.92
22 12 23 26-0034 EA 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	26,600.58	3,363.34

22 13 Facility Sanitary Sewerage (22 10)**22 13 13 Facility Sanitary Sewers** (22 13)**22 13 13 00-0001****Fixture Rough-In** (22 13 13)

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0368 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002**Single Fixture Rough-In, Cast Iron Waste And Vent Pipe** (22 13 13 00-0001)

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003 EA Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,378.01	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0004 EA Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,857.27	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0005 EA Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,248.99	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0006 EA Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	815.04	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0007 EA Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	961.14	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0008 EA Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,218.14	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0009 EA Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,302.70	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0010 EA Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	786.11	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0011 EA Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,248.99	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0012 EA Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,280.86	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0013 EA Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,213.09	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0014 EA Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,378.01	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0015 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	2,162.23	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0016 EA Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,336.61	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0017		
Double Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 13 00-0001)</small>		
Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0018 EA Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,803.40	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0019 EA Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	2,489.06	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0020 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,556.30	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0021 EA Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	981.00	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0022 EA Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,306.58	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0023 EA Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,386.08	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0024 EA Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	925.11	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0025 EA Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,569.82	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0026 EA Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,353.16	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		



Plumbing	22	22
Plumbing Piping	22 10	
Facility Sanitary Sewerage	22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0027 EA Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,319.33 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	1,319.33	
22 13 13 00-0028 EA Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,803.40 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,803.40	
22 13 13 00-0029 Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 901.07 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	901.07	
22 13 13 00-0031 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,244.52 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	1,244.52	
22 13 13 00-0032 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 778.81 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	778.81	
22 13 13 00-0033 EA Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 491.18 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	491.18	
22 13 13 00-0034 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 653.31 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	653.31	
22 13 13 00-0035 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 693.02 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	693.02	
22 13 13 00-0036 EA Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 496.42 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	496.42	
22 13 13 00-0037 EA Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet 784.24 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	784.24	
22 13 13 00-0038 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 676.57 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	676.57	
22 13 13 00-0039 EA Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 660.31 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	660.31	
22 13 13 00-0040 EA Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 891.56 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	891.56	
22 13 13 00-0041 Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet 713.02 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	713.02	
22 13 13 00-0043 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet 758.40 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	758.40	
22 13 13 00-0044 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet 682.02 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	682.02	
22 13 13 00-0045 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal 405.91 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	405.91	
22 13 13 00-0046 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory 475.27 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	475.27	
22 13 13 00-0047 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink 653.10 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	653.10	
22 13 13 00-0048 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub 656.09 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	656.09	
22 13 13 00-0049 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler 403.33 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	403.33	
22 13 13 00-0050 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink 682.02 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	682.02	
22 13 13 00-0051 EA Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 728.46 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	728.46	
22 13 13 00-0052 EA Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 669.04 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	669.04	
22 13 13 00-0053 EA Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 712.86 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	712.86	
22 13 13 00-0054 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 1,098.23 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	1,098.23	
22 13 13 00-0055 EA Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 685.72 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	685.72	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 13 00-0056		Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 00-0001) Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	857.58	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	990.32	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	746.65	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	445.57	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	665.50	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	693.24	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	436.55	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	758.70	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	745.74	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	715.50	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	857.58	
22 13 13 00-0068		Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 00-0001) Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	428.24	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	494.51	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	373.72	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	222.86	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	332.71	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	346.29	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	218.26	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	379.23	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	372.91	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	358.33	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	419.26	
22 13 16		Sanitary Waste and Vent Piping ^(22 13)		
22 13 16 00-0001		Cast Iron Soil Pipe Assemblies ^(22 13 16)		
22 13 16 00-0002		Underground Bell And Spigot Cast Iron Soil Pipe Assemblies ^(22 13 16 00-0001) Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	44.92	8.54
		<i>For Work In Restricted Working Space, Add</i>	6.26	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Sanitary Sewerage	22 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0004	LF		3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	64.33	12.87
			<i>For Work In Restricted Working Space, Add</i>	8.49	
22 13 16 00-0005	LF		4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	83.49	16.39
			<i>For Work In Restricted Working Space, Add</i>	10.92	
22 13 16 00-0006	LF		5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	96.24	18.95
			<i>For Work In Restricted Working Space, Add</i>	10.67	
22 13 16 00-0007	LF		6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	113.38	20.65
			<i>For Work In Restricted Working Space, Add</i>	11.84	
22 13 16 00-0008	LF		8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	181.49	29.63
			<i>For Work In Restricted Working Space, Add</i>	16.78	
22 13 16 00-0009	LF		10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	269.28	29.63
			<i>For Work In Restricted Working Space, Add</i>	18.99	
22 13 16 00-0010			Aboveground No Hub Cast Iron Soil Pipe Assemblies <small>(22 13 16 00-0001)</small> Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF		1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	36.93	8.13
			<i>For Work In Restricted Working Space, Add</i>	7.14	
22 13 16 00-0012	LF		2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	39.17	8.67
			<i>For Work In Restricted Working Space, Add</i>	7.67	
22 13 16 00-0013	LF		3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	49.73	12.60
			<i>For Work In Restricted Working Space, Add</i>	9.41	
22 13 16 00-0014	LF		4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	59.77	16.39
			<i>For Work In Restricted Working Space, Add</i>	11.25	
22 13 16 00-0015	LF		5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	75.85	18.59
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 13 16 00-0016	LF		6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	85.85	20.29
			<i>For Work In Restricted Working Space, Add</i>	13.75	
22 13 16 00-0017	LF		8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	134.05	29.38
			<i>For Work In Restricted Working Space, Add</i>	19.12	
22 13 16 00-0018	LF		10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	186.95	33.38
			<i>For Work In Restricted Working Space, Add</i>	22.22	
22 13 16 00-0019			Bell And Spigot Cast Iron Soil Pipe And Fittings <small>(22 13 16)</small> Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020			Bell And Spigot Cast Iron Pipe <small>(22 13 16 00-0019)</small> Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF		2" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.16 8.09 0.65 3.87	8.54
22 13 16 00-0022	LF		3" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.95 11.59 0.97 5.81	12.87
22 13 16 00-0023	LF		4" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.52 15.07 1.23 7.39	16.39
22 13 16 00-0024	LF		5" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.00 21.27 1.42 8.51	18.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0025 LF 6" Bell And Spigot Cast Iron Pipe.....	92.60	20.65
For Extra Heavy Pipe, Add	25.91	
For Above Ground Cast Iron Pipe Installation, Add	1.55	
For Work In Restricted Working Space, Add	9.28	
22 13 16 00-0026 LF 8" Bell And Spigot Cast Iron Pipe.....	140.38	29.63
For Extra Heavy Pipe, Add	40.29	
For Above Ground Cast Iron Pipe Installation, Add	2.22	
For Work In Restricted Working Space, Add	13.34	
22 13 16 00-0027 LF 10" Bell And Spigot Cast Iron Pipe.....	209.72	33.38
For Extra Heavy Pipe, Add	67.08	
For Above Ground Cast Iron Pipe Installation, Add	2.50	
For Work In Restricted Working Space, Add	15.00	
22 13 16 00-0028 LF 12" Bell And Spigot Cast Iron Pipe.....	298.68	44.50
For Extra Heavy Pipe, Add	97.44	
For Above Ground Cast Iron Pipe Installation, Add	3.33	
For Work In Restricted Working Space, Add	20.00	
22 13 16 00-0029 LF 15" Bell And Spigot Cast Iron Pipe.....	419.11	53.38
For Extra Heavy Pipe, Add	142.42	
For Above Ground Cast Iron Pipe Installation, Add	4.00	
For Work In Restricted Working Space, Add	24.01	
22 13 16 00-0030 Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032 EA 2" Bell And Spigot Cast Iron Long Sweep.....	119.72	38.88
For Extra Heavy Fittings, Add	21.51	
For Above Ground Cast Iron Pipe Installation, Add	2.91	
For Work In Restricted Working Space, Add	17.48	
22 13 16 00-0033 EA 3" Bell And Spigot Cast Iron Long Sweep.....	197.90	48.91
For Extra Heavy Fittings, Add	43.63	
For Above Ground Cast Iron Pipe Installation, Add	3.66	
For Work In Restricted Working Space, Add	21.97	
22 13 16 00-0034 EA 4" Bell And Spigot Cast Iron Long Sweep.....	263.64	65.03
For Extra Heavy Fittings, Add	58.16	
For Above Ground Cast Iron Pipe Installation, Add	4.87	
For Work In Restricted Working Space, Add	29.24	
22 13 16 00-0035 EA 6" Bell And Spigot Cast Iron Long Sweep.....	399.98	80.18
For Extra Heavy Fittings, Add	97.93	
For Above Ground Cast Iron Pipe Installation, Add	6.01	
For Work In Restricted Working Space, Add	36.06	
22 13 16 00-0036 EA 8" Bell And Spigot Cast Iron Long Sweep.....	780.30	104.27
For Extra Heavy Fittings, Add	218.41	
For Above Ground Cast Iron Pipe Installation, Add	7.81	
For Work In Restricted Working Space, Add	46.88	
22 13 16 00-0037 EA 10" Bell And Spigot Cast Iron Long Sweep.....	1,063.93	128.27
For Extra Heavy Fittings, Add	305.06	
For Above Ground Cast Iron Pipe Installation, Add	9.62	
For Work In Restricted Working Space, Add	57.70	
22 13 16 00-0038 EA 12" Bell And Spigot Cast Iron Long Sweep.....	1,627.32	179.03
For Extra Heavy Fittings, Add	475.61	
For Above Ground Cast Iron Pipe Installation, Add	13.42	
For Work In Restricted Working Space, Add	80.53	
22 13 16 00-0039 EA 15" Bell And Spigot Cast Iron Long Sweep.....	3,001.97	249.29
For Extra Heavy Fittings, Add	919.88	
For Above Ground Cast Iron Pipe Installation, Add	18.69	
For Work In Restricted Working Space, Add	112.13	
22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)		
22 13 16 00-0041 EA 2" Bell And Spigot Cast Iron Short Sweep.....	103.49	38.88
For Extra Heavy Fittings, Add	15.83	
For Above Ground Cast Iron Pipe Installation, Add	2.91	
For Work In Restricted Working Space, Add	17.48	
22 13 16 00-0042 EA 3" Bell And Spigot Cast Iron Short Sweep.....	170.68	48.91
For Extra Heavy Fittings, Add	34.11	
For Above Ground Cast Iron Pipe Installation, Add	3.66	
For Work In Restricted Working Space, Add	21.97	
22 13 16 00-0043 EA 4" Bell And Spigot Cast Iron Short Sweep.....	233.03	65.03
For Extra Heavy Fittings, Add	47.45	
For Above Ground Cast Iron Pipe Installation, Add	4.87	
For Work In Restricted Working Space, Add	29.24	
22 13 16 00-0044 EA 5" Bell And Spigot Cast Iron Short Sweep.....	336.55	68.16
For Extra Heavy Fittings, Add	82.04	
For Above Ground Cast Iron Pipe Installation, Add	5.11	
For Work In Restricted Working Space, Add	30.65	
22 13 16 00-0045 EA 6" Bell And Spigot Cast Iron Short Sweep.....	405.81	80.18
For Extra Heavy Fittings, Add	99.97	
For Above Ground Cast Iron Pipe Installation, Add	6.01	
For Work In Restricted Working Space, Add	36.06	
22 13 16 00-0046 EA 8" Bell And Spigot Cast Iron Short Sweep.....	662.96	104.27
For Extra Heavy Fittings, Add	177.34	
For Above Ground Cast Iron Pipe Installation, Add	7.81	
For Work In Restricted Working Space, Add	46.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0047 EA 10" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	963.82 270.02 9.62 57.70	128.27
22 13 16 00-0048 EA 12" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,589.99 462.55 13.42 80.53	179.03
22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)		
22 13 16 00-0050 EA 2" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.26 12.64 2.91 17.45	38.75
22 13 16 00-0051 EA 3" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.63 25.26 3.27 19.64	43.63
22 13 16 00-0052 EA 4" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.46 37.92 4.36 26.14	58.12
22 13 16 00-0053 EA 5" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.70 50.93 4.56 27.36	60.87
22 13 16 00-0054 EA 6" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	284.66 61.35 5.47 32.81	72.89
22 13 16 00-0055 EA 8" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	578.87 152.24 7.20 43.17	96.01
22 13 16 00-0056 EA 10" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	847.64 235.54 8.73 52.40	116.51
22 13 16 00-0057 EA 12" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,113.65 317.60 10.31 61.87	137.52
22 13 16 00-0058 EA 15" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,813.26 870.84 16.26 97.55	216.91
22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0060 EA 2" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.10 10.09 2.91 17.48	38.88
22 13 16 00-0061 EA 3" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.73 20.83 3.66 21.97	48.91
22 13 16 00-0062 EA 4" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	187.75 31.60 4.87 29.24	65.03
22 13 16 00-0063 EA 5" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	228.00 39.84 5.71 34.25	76.18
22 13 16 00-0064 EA 6" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	262.95 47.45 6.37 38.22	84.93
22 13 16 00-0065 EA 8" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	511.63 118.71 8.62 51.74	115.01
22 13 16 00-0066 EA 10" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	710.99 174.37 10.64 63.84	141.90
22 13 16 00-0067 EA 12" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,137.87 301.71 13.79 82.75	184.02



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0068	EA		15" Bell And Spigot Cast Iron 1/8 Bend	2,147.73	216.91
			<i>For Extra Heavy Fittings, Add</i>	637.90	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.26	
			<i>For Work In Restricted Working Space, Add</i>	97.55	
22 13 16 00-0069			Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)		
22 13 16 00-0070	EA		2" Bell And Spigot Cast Iron Wye.....	158.02	86.85
			<i>For Extra Heavy Fittings, Add</i>	9.71	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.51	
			<i>For Work In Restricted Working Space, Add</i>	39.08	
22 13 16 00-0071	EA		3" Bell And Spigot Cast Iron Wye.....	194.58	95.11
			<i>For Extra Heavy Fittings, Add</i>	18.19	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.13	
			<i>For Work In Restricted Working Space, Add</i>	42.79	
22 13 16 00-0072	EA		4" Bell And Spigot Cast Iron Wye.....	255.98	124.65
			<i>For Extra Heavy Fittings, Add</i>	24.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.34	
			<i>For Work In Restricted Working Space, Add</i>	56.05	
22 13 16 00-0073	EA		5" Bell And Spigot Cast Iron Wye.....	311.81	131.09
			<i>For Extra Heavy Fittings, Add</i>	40.33	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.83	
			<i>For Work In Restricted Working Space, Add</i>	58.98	
22 13 16 00-0074	EA		6" Bell And Spigot Cast Iron Wye.....	389.11	155.39
			<i>For Extra Heavy Fittings, Add</i>	54.64	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.65	
			<i>For Work In Restricted Working Space, Add</i>	69.90	
22 13 16 00-0075	EA		8" Bell And Spigot Cast Iron Wye.....	697.72	210.03
			<i>For Extra Heavy Fittings, Add</i>	133.98	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.75	
			<i>For Work In Restricted Working Space, Add</i>	94.47	
22 13 16 00-0076	EA		10" Bell And Spigot Cast Iron Wye.....	964.79	238.28
			<i>For Extra Heavy Fittings, Add</i>	212.66	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.86	
			<i>For Work In Restricted Working Space, Add</i>	107.16	
22 13 16 00-0077	EA		12" Bell And Spigot Cast Iron Wye.....	1,412.34	290.05
			<i>For Extra Heavy Fittings, Add</i>	342.12	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	21.74	
			<i>For Work In Restricted Working Space, Add</i>	130.46	
22 13 16 00-0078	EA		15" Bell And Spigot Cast Iron Wye.....	2,161.67	325.43
			<i>For Extra Heavy Fittings, Add</i>	585.83	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	24.39	
			<i>For Work In Restricted Working Space, Add</i>	146.36	
22 13 16 00-0079			Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)		
22 13 16 00-0080	EA		3" x 2" Bell And Spigot Cast Iron Reducing Wye	235.91	90.77
			<i>For Extra Heavy Fittings, Add</i>	34.92	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.81	
			<i>For Work In Restricted Working Space, Add</i>	40.84	
22 13 16 00-0081	EA		4" x 2" Bell And Spigot Cast Iron Reducing Wye	287.65	112.19
			<i>For Extra Heavy Fittings, Add</i>	41.78	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.41	
			<i>For Work In Restricted Working Space, Add</i>	50.48	
22 13 16 00-0082	EA		4" x 3" Bell And Spigot Cast Iron Reducing Wye	317.88	115.03
			<i>For Extra Heavy Fittings, Add</i>	50.87	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.63	
			<i>For Work In Restricted Working Space, Add</i>	51.77	
22 13 16 00-0083	EA		6" x 2" Bell And Spigot Cast Iron Reducing Wye	450.86	139.23
			<i>For Extra Heavy Fittings, Add</i>	84.77	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.43	
			<i>For Work In Restricted Working Space, Add</i>	62.60	
22 13 16 00-0084	EA		6" x 3" Bell And Spigot Cast Iron Reducing Wye	462.32	141.78
			<i>For Extra Heavy Fittings, Add</i>	87.40	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.63	
			<i>For Work In Restricted Working Space, Add</i>	63.78	
22 13 16 00-0085	EA		6" x 4" Bell And Spigot Cast Iron Reducing Wye	484.57	151.26
			<i>For Extra Heavy Fittings, Add</i>	90.22	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.34	
			<i>For Work In Restricted Working Space, Add</i>	68.04	
22 13 16 00-0086	EA		8" x 2" Bell And Spigot Cast Iron Reducing Wye	702.45	168.90
			<i>For Extra Heavy Fittings, Add</i>	157.23	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.66	
			<i>For Work In Restricted Working Space, Add</i>	75.96	
22 13 16 00-0087	EA		8" x 3" Bell And Spigot Cast Iron Reducing Wye	733.23	172.15
			<i>For Extra Heavy Fittings, Add</i>	166.32	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.90	
			<i>For Work In Restricted Working Space, Add</i>	77.41	
22 13 16 00-0088	EA		8" x 4" Bell And Spigot Cast Iron Reducing Wye	751.85	180.28
			<i>For Extra Heavy Fittings, Add</i>	168.54	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.52	
			<i>For Work In Restricted Working Space, Add</i>	81.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0089	EA		8" x 6" Bell And Spigot Cast Iron Reducing Wye	885.47	200.53
			<i>For Extra Heavy Fittings, Add</i>	204.67	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.04	
			<i>For Work In Restricted Working Space, Add</i>	90.21	
22 13 16 00-0090	EA		10" x 3" Bell And Spigot Cast Iron Reducing Wye	1,078.14	187.90
			<i>For Extra Heavy Fittings, Add</i>	278.74	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.09	
			<i>For Work In Restricted Working Space, Add</i>	84.52	
22 13 16 00-0091	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye	1,121.71	196.16
			<i>For Extra Heavy Fittings, Add</i>	289.64	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.71	
			<i>For Work In Restricted Working Space, Add</i>	88.25	
22 13 16 00-0092	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,227.67	216.91
			<i>For Extra Heavy Fittings, Add</i>	315.88	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.26	
			<i>For Work In Restricted Working Space, Add</i>	97.55	
22 13 16 00-0093	EA		10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,610.14	230.04
			<i>For Extra Heavy Fittings, Add</i>	442.84	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.24	
			<i>For Work In Restricted Working Space, Add</i>	103.46	
22 13 16 00-0094	EA		12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,655.70	230.04
			<i>For Extra Heavy Fittings, Add</i>	458.79	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.24	
			<i>For Work In Restricted Working Space, Add</i>	103.46	
22 13 16 00-0095	EA		12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,725.52	249.29
			<i>For Extra Heavy Fittings, Add</i>	473.12	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.69	
			<i>For Work In Restricted Working Space, Add</i>	112.13	
22 13 16 00-0096	EA		12" x 8" Bell And Spigot Cast Iron Reducing Wye	2,019.06	261.66
			<i>For Extra Heavy Fittings, Add</i>	569.40	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	19.61	
			<i>For Work In Restricted Working Space, Add</i>	117.66	
22 13 16 00-0097	EA		12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,443.13	269.42
			<i>For Extra Heavy Fittings, Add</i>	713.72	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	20.20	
			<i>For Work In Restricted Working Space, Add</i>	121.18	
22 13 16 00-0098	EA		15" x 4" Bell And Spigot Cast Iron Reducing Wye	3,995.58	254.04
			<i>For Extra Heavy Fittings, Add</i>	1,265.15	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	19.04	
			<i>For Work In Restricted Working Space, Add</i>	114.26	
22 13 16 00-0099	EA		15" x 6" Bell And Spigot Cast Iron Reducing Wye	4,172.30	274.91
			<i>For Extra Heavy Fittings, Add</i>	1,316.01	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	20.61	
			<i>For Work In Restricted Working Space, Add</i>	123.68	
22 13 16 00-0100	EA		15" x 8" Bell And Spigot Cast Iron Reducing Wye	4,259.23	286.79
			<i>For Extra Heavy Fittings, Add</i>	1,340.23	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	21.50	
			<i>For Work In Restricted Working Space, Add</i>	129.00	
22 13 16 00-0101	EA		15" x 10" Bell And Spigot Cast Iron Reducing Wye	4,359.10	296.55
			<i>For Extra Heavy Fittings, Add</i>	1,370.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	22.23	
			<i>For Work In Restricted Working Space, Add</i>	133.35	
22 13 16 00-0102	EA		15" x 12" Bell And Spigot Cast Iron Reducing Wye	4,471.53	313.80
			<i>For Extra Heavy Fittings, Add</i>	1,400.38	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	23.52	
			<i>For Work In Restricted Working Space, Add</i>	141.13	
22 13 16 00-0103			Bell And Spigot Cast Iron Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0104	EA		2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	169.90	86.85
			<i>For Extra Heavy Fittings, Add</i>	13.87	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.51	
			<i>For Work In Restricted Working Space, Add</i>	39.08	
22 13 16 00-0105	EA		3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	201.90	95.11
			<i>For Extra Heavy Fittings, Add</i>	20.75	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.13	
			<i>For Work In Restricted Working Space, Add</i>	42.79	
22 13 16 00-0106	EA		4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	268.72	124.65
			<i>For Extra Heavy Fittings, Add</i>	28.66	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.34	
			<i>For Work In Restricted Working Space, Add</i>	56.05	
22 13 16 00-0107	EA		5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	354.50	137.53
			<i>For Extra Heavy Fittings, Add</i>	51.93	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.31	
			<i>For Work In Restricted Working Space, Add</i>	61.84	
22 13 16 00-0108	EA		6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	443.59	170.58
			<i>For Extra Heavy Fittings, Add</i>	65.76	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.79	
			<i>For Work In Restricted Working Space, Add</i>	76.71	
22 13 16 00-0109	EA		8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	796.41	226.16
			<i>For Extra Heavy Fittings, Add</i>	160.08	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.95	
			<i>For Work In Restricted Working Space, Add</i>	101.71	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0110	EA		10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,142.31 244.23 22.23 133.35	296.55
22 13 16 00-0111	EA		12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,527.76 334.69 28.58 171.45	381.19
22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>					
22 13 16 00-0113	EA		3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.60 15.56 6.81 40.84	90.77
22 13 16 00-0114	EA		4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	249.94 28.58 8.41 50.48	112.19
22 13 16 00-0115	EA		4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.11 33.45 8.63 51.77	115.03
22 13 16 00-0116	EA		6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	379.49 59.79 10.43 62.60	139.23
22 13 16 00-0117	EA		6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	394.56 63.68 10.63 63.78	141.78
22 13 16 00-0118	EA		6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	418.46 67.08 11.34 68.04	151.26
22 13 16 00-0119	EA		8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	569.89 110.84 12.66 75.96	168.90
22 13 16 00-0120	EA		8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	586.99 110.84 13.52 81.09	180.28
22 13 16 00-0121	EA		8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	735.45 152.16 15.04 90.21	200.53
22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes <small>(22 13 16 00-0030)</small>					
22 13 16 00-0123	EA		2" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	265.31 38.35 7.79 46.72	103.92
22 13 16 00-0124	EA		3" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	380.32 64.39 9.82 58.91	131.01
22 13 16 00-0125	EA		4" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	512.63 92.44 12.43 74.55	165.70
22 13 16 00-0126	EA		6" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	943.86 205.07 17.90 107.38	238.73
22 13 16 00-0127	EA		8" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,851.76 499.16 21.28 127.68	283.91
22 13 16 00-0128	EA		10" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,441.06 687.68 23.81 142.88	317.67
22 13 16 00-0129	EA		12" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,728.18 404.83 28.58 171.45	381.19
22 13 16 00-0130	EA		15" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,723.96 1,443.34 30.01 180.04	400.07

22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0132 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	248.93	122.89
For Extra Heavy Fittings, Add	22.63	
For Above Ground Cast Iron Pipe Installation, Add	9.21	
For Work In Restricted Working Space, Add	55.28	
22 13 16 00-0133 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	288.80	141.17
For Extra Heavy Fittings, Add	26.99	
For Above Ground Cast Iron Pipe Installation, Add	10.59	
For Work In Restricted Working Space, Add	63.51	
22 13 16 00-0134 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	311.44	148.08
For Extra Heavy Fittings, Add	31.27	
For Above Ground Cast Iron Pipe Installation, Add	11.11	
For Work In Restricted Working Space, Add	66.63	
22 13 16 00-0135 EA 6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	381.57	165.60
For Extra Heavy Fittings, Add	46.67	
For Above Ground Cast Iron Pipe Installation, Add	12.41	
For Work In Restricted Working Space, Add	74.47	
22 13 16 00-0136 EA 6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	403.73	171.91
For Extra Heavy Fittings, Add	51.11	
For Above Ground Cast Iron Pipe Installation, Add	12.89	
For Work In Restricted Working Space, Add	77.31	
22 13 16 00-0137 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	462.35	187.47
For Extra Heavy Fittings, Add	63.46	
For Above Ground Cast Iron Pipe Installation, Add	14.05	
For Work In Restricted Working Space, Add	84.31	
22 13 16 00-0138 EA 8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	730.50	218.78
For Extra Heavy Fittings, Add	140.91	
For Above Ground Cast Iron Pipe Installation, Add	16.40	
For Work In Restricted Working Space, Add	98.37	
22 13 16 00-0139 EA 8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	800.25	258.91
For Extra Heavy Fittings, Add	144.20	
For Above Ground Cast Iron Pipe Installation, Add	19.41	
For Work In Restricted Working Space, Add	116.48	
22 13 16 00-0140 EA 10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	778.43	234.03
For Extra Heavy Fittings, Add	149.63	
For Above Ground Cast Iron Pipe Installation, Add	17.55	
For Work In Restricted Working Space, Add	105.28	
22 13 16 00-0141 EA 10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	907.71	274.91
For Extra Heavy Fittings, Add	173.40	
For Above Ground Cast Iron Pipe Installation, Add	20.61	
For Work In Restricted Working Space, Add	123.68	
22 13 16 00-0142 EA 10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,109.90	299.67
For Extra Heavy Fittings, Add	231.21	
For Above Ground Cast Iron Pipe Installation, Add	22.47	
For Work In Restricted Working Space, Add	134.79	
22 13 16 00-0143 EA 12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	1,133.78	306.55
For Extra Heavy Fittings, Add	235.95	
For Above Ground Cast Iron Pipe Installation, Add	22.98	
For Work In Restricted Working Space, Add	137.89	
22 13 16 00-0144 EA 12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,436.45	333.55
For Extra Heavy Fittings, Add	327.73	
For Above Ground Cast Iron Pipe Installation, Add	25.00	
For Work In Restricted Working Space, Add	150.02	
22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0146 EA 2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	226.04	103.92
For Extra Heavy Fittings, Add	24.61	
For Above Ground Cast Iron Pipe Installation, Add	7.79	
For Work In Restricted Working Space, Add	46.72	
22 13 16 00-0147 EA 3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	304.17	139.01
For Extra Heavy Fittings, Add	33.51	
For Above Ground Cast Iron Pipe Installation, Add	10.42	
For Work In Restricted Working Space, Add	62.53	
22 13 16 00-0148 EA 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	395.27	173.83
For Extra Heavy Fittings, Add	47.15	
For Above Ground Cast Iron Pipe Installation, Add	13.03	
For Work In Restricted Working Space, Add	78.17	
22 13 16 00-0149 EA 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	817.67	266.80
For Extra Heavy Fittings, Add	146.17	
For Above Ground Cast Iron Pipe Installation, Add	20.00	
For Work In Restricted Working Space, Add	120.01	
22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0151 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	297.95	124.65
For Extra Heavy Fittings, Add	38.89	
For Above Ground Cast Iron Pipe Installation, Add	9.34	
For Work In Restricted Working Space, Add	56.05	
22 13 16 00-0152 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	351.71	141.17
For Extra Heavy Fittings, Add	49.00	
For Above Ground Cast Iron Pipe Installation, Add	10.59	
For Work In Restricted Working Space, Add	63.51	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0153	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	394.45	157.17
			<i>For Extra Heavy Fittings, Add</i>	55.62	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.78	
			<i>For Work In Restricted Working Space, Add</i>	70.67	
22 13 16 00-0154	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	744.25	199.01
			<i>For Extra Heavy Fittings, Add</i>	156.05	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.92	
			<i>For Work In Restricted Working Space, Add</i>	89.52	
22 13 16 00-0155			Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0156	EA		2" Bell And Spigot Cast Iron Sanitary Tee	185.18	86.98
			<i>For Extra Heavy Fittings, Add</i>	19.18	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.52	
			<i>For Work In Restricted Working Space, Add</i>	39.12	
22 13 16 00-0157	EA		3" Bell And Spigot Cast Iron Sanitary Tee	209.52	95.11
			<i>For Extra Heavy Fittings, Add</i>	23.42	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.13	
			<i>For Work In Restricted Working Space, Add</i>	42.79	
22 13 16 00-0158	EA		4" Bell And Spigot Cast Iron Sanitary Tee	327.03	116.52
			<i>For Extra Heavy Fittings, Add</i>	53.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.74	
			<i>For Work In Restricted Working Space, Add</i>	52.43	
22 13 16 00-0159	EA		5" Bell And Spigot Cast Iron Sanitary Tee	452.92	121.25
			<i>For Extra Heavy Fittings, Add</i>	94.86	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.09	
			<i>For Work In Restricted Working Space, Add</i>	54.56	
22 13 16 00-0160	EA		6" Bell And Spigot Cast Iron Sanitary Tee	543.32	145.43
			<i>For Extra Heavy Fittings, Add</i>	113.84	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.90	
			<i>For Work In Restricted Working Space, Add</i>	65.42	
22 13 16 00-0161	EA		8" Bell And Spigot Cast Iron Sanitary Tee	1,144.12	191.91
			<i>For Extra Heavy Fittings, Add</i>	299.74	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.39	
			<i>For Work In Restricted Working Space, Add</i>	86.32	
22 13 16 00-0162	EA		10" Bell And Spigot Cast Iron Sanitary Tee	1,707.31	234.03
			<i>For Extra Heavy Fittings, Add</i>	474.73	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.55	
			<i>For Work In Restricted Working Space, Add</i>	105.28	
22 13 16 00-0163	EA		12" Bell And Spigot Cast Iron Sanitary Tee	2,531.04	274.91
			<i>For Extra Heavy Fittings, Add</i>	741.57	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	20.61	
			<i>For Work In Restricted Working Space, Add</i>	123.68	
22 13 16 00-0164			Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0165	EA		3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	241.10	90.77
			<i>For Extra Heavy Fittings, Add</i>	36.74	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.81	
			<i>For Work In Restricted Working Space, Add</i>	40.84	
22 13 16 00-0166	EA		4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	285.12	106.35
			<i>For Extra Heavy Fittings, Add</i>	44.00	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.97	
			<i>For Work In Restricted Working Space, Add</i>	47.82	
22 13 16 00-0167	EA		4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	297.23	106.35
			<i>For Extra Heavy Fittings, Add</i>	48.24	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.97	
			<i>For Work In Restricted Working Space, Add</i>	47.82	
22 13 16 00-0168	EA		6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	434.71	139.23
			<i>For Extra Heavy Fittings, Add</i>	79.12	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.43	
			<i>For Work In Restricted Working Space, Add</i>	62.60	
22 13 16 00-0169	EA		6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	451.94	141.78
			<i>For Extra Heavy Fittings, Add</i>	83.77	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.63	
			<i>For Work In Restricted Working Space, Add</i>	63.78	
22 13 16 00-0170	EA		6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	489.76	151.26
			<i>For Extra Heavy Fittings, Add</i>	92.04	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.34	
			<i>For Work In Restricted Working Space, Add</i>	68.04	
22 13 16 00-0171	EA		8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	820.47	180.28
			<i>For Extra Heavy Fittings, Add</i>	192.56	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.52	
			<i>For Work In Restricted Working Space, Add</i>	81.09	
22 13 16 00-0172	EA		8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	1,024.46	200.53
			<i>For Extra Heavy Fittings, Add</i>	253.31	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.04	
			<i>For Work In Restricted Working Space, Add</i>	90.21	
22 13 16 00-0173			Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)		
22 13 16 00-0174	EA		2" Bell And Spigot Cast Iron Vent Tee	162.29	86.85
			<i>For Extra Heavy Fittings, Add</i>	11.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.51	
			<i>For Work In Restricted Working Space, Add</i>	39.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0175	EA		3" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.33 19.50 7.13 42.79	95.11
22 13 16 00-0176	EA		4" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	262.32 26.42 9.34 56.05	124.65
22 13 16 00-0177	EA		5" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	318.75 39.42 10.31 61.84	137.53
22 13 16 00-0178	EA		6" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	400.80 50.79 12.79 76.71	170.58
22 13 16 00-0179	EA		8" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	676.69 118.18 16.95 101.71	226.16
22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)					
22 13 16 00-0181	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.03 12.51 6.51 39.08	86.85
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.05 14.15 7.13 42.79	95.11
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.66 17.44 9.34 56.05	124.65
22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)					
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.40 13.34 6.51 39.08	86.85
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	187.54 15.72 7.13 42.79	95.11
22 13 16 00-0187	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.96 21.40 9.34 56.05	124.65
22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)					
22 13 16 00-0189	EA		3" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.47 7.08 3.66 21.97	48.91
22 13 16 00-0190	EA		4" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.94 7.41 4.84 29.03	64.49
22 13 16 00-0191	EA		4" x 3" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.98 9.63 4.87 29.24	65.03
22 13 16 00-0192	EA		6" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.40 13.99 5.52 33.13	73.63
22 13 16 00-0193	EA		6" x 3" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.82 15.72 5.60 33.57	74.60
22 13 16 00-0194	EA		6" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.68 16.63 5.71 34.25	76.18
22 13 16 00-0195	EA		8" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	205.41 30.70 5.88 35.31	78.48
22 13 16 00-0196	EA		8" x 3" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	234.64 31.02 7.30 43.80	97.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0197 EA 8" x 4" Bell And Spigot Cast Iron Reducer	240.81	99.89
For Extra Heavy Fittings, Add	31.85	
For Above Ground Cast Iron Pipe Installation, Add	7.49	
For Work In Restricted Working Space, Add	44.94	
22 13 16 00-0198 EA 8" x 6" Bell And Spigot Cast Iron Reducer	248.94	104.27
For Extra Heavy Fittings, Add	32.43	
For Above Ground Cast Iron Pipe Installation, Add	7.81	
For Work In Restricted Working Space, Add	46.88	
22 13 16 00-0199 EA 10" x 4" Bell And Spigot Cast Iron Reducer	308.11	117.02
For Extra Heavy Fittings, Add	46.42	
For Above Ground Cast Iron Pipe Installation, Add	8.77	
For Work In Restricted Working Space, Add	52.64	
22 13 16 00-0200 EA 10" x 6" Bell And Spigot Cast Iron Reducer	324.75	122.90
For Extra Heavy Fittings, Add	49.15	
For Above Ground Cast Iron Pipe Installation, Add	9.22	
For Work In Restricted Working Space, Add	55.30	
22 13 16 00-0201 EA 10" x 8" Bell And Spigot Cast Iron Reducer	345.45	128.27
For Extra Heavy Fittings, Add	53.59	
For Above Ground Cast Iron Pipe Installation, Add	9.62	
For Work In Restricted Working Space, Add	57.70	
22 13 16 00-0202 EA 12" x 4" Bell And Spigot Cast Iron Reducer	424.92	139.02
For Extra Heavy Fittings, Add	75.79	
For Above Ground Cast Iron Pipe Installation, Add	10.42	
For Work In Restricted Working Space, Add	62.51	
22 13 16 00-0203 EA 12" x 6" Bell And Spigot Cast Iron Reducer	475.54	162.65
For Extra Heavy Fittings, Add	81.06	
For Above Ground Cast Iron Pipe Installation, Add	12.20	
For Work In Restricted Working Space, Add	73.18	
22 13 16 00-0204 EA 12" x 8" Bell And Spigot Cast Iron Reducer	516.28	185.28
For Extra Heavy Fittings, Add	83.46	
For Above Ground Cast Iron Pipe Installation, Add	13.89	
For Work In Restricted Working Space, Add	83.35	
22 13 16 00-0205 EA 12" x 10" Bell And Spigot Cast Iron Reducer	567.81	213.40
For Extra Heavy Fittings, Add	86.75	
For Above Ground Cast Iron Pipe Installation, Add	16.00	
For Work In Restricted Working Space, Add	95.99	
22 13 16 00-0206 EA 15" x 6" Bell And Spigot Cast Iron Reducer	728.19	213.40
For Extra Heavy Fittings, Add	142.88	
For Above Ground Cast Iron Pipe Installation, Add	16.00	
For Work In Restricted Working Space, Add	95.99	
22 13 16 00-0207 EA 15" x 8" Bell And Spigot Cast Iron Reducer	775.44	230.04
For Extra Heavy Fittings, Add	150.70	
For Above Ground Cast Iron Pipe Installation, Add	17.24	
For Work In Restricted Working Space, Add	103.46	
22 13 16 00-0208 EA 15" x 10" Bell And Spigot Cast Iron Reducer	808.09	242.53
For Extra Heavy Fittings, Add	155.54	
For Above Ground Cast Iron Pipe Installation, Add	18.18	
For Work In Restricted Working Space, Add	109.11	
22 13 16 00-0209 EA 15" x 12" Bell And Spigot Cast Iron Reducer	852.21	258.91
For Extra Heavy Fittings, Add	162.38	
For Above Ground Cast Iron Pipe Installation, Add	19.41	
For Work In Restricted Working Space, Add	116.48	
22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)		
22 13 16 00-0211 EA 2" Bell And Spigot Cast Iron P-Trap	92.87	38.88
For Extra Heavy Fittings, Add	12.11	
For Above Ground Cast Iron Pipe Installation, Add	2.91	
For Work In Restricted Working Space, Add	17.48	
22 13 16 00-0212 EA 3" Bell And Spigot Cast Iron P-Trap	123.57	48.91
For Extra Heavy Fittings, Add	17.62	
For Above Ground Cast Iron Pipe Installation, Add	3.66	
For Work In Restricted Working Space, Add	21.97	
22 13 16 00-0213 EA 4" Bell And Spigot Cast Iron P-Trap	168.00	65.03
For Extra Heavy Fittings, Add	24.69	
For Above Ground Cast Iron Pipe Installation, Add	4.87	
For Work In Restricted Working Space, Add	29.24	
22 13 16 00-0214 EA 5" Bell And Spigot Cast Iron P-Trap	253.36	68.16
For Extra Heavy Fittings, Add	52.92	
For Above Ground Cast Iron Pipe Installation, Add	5.11	
For Work In Restricted Working Space, Add	30.65	
22 13 16 00-0215 EA 6" Bell And Spigot Cast Iron P-Trap	337.95	80.18
For Extra Heavy Fittings, Add	76.22	
For Above Ground Cast Iron Pipe Installation, Add	6.01	
For Work In Restricted Working Space, Add	36.06	
22 13 16 00-0216 EA 8" Bell And Spigot Cast Iron P-Trap	737.57	104.27
For Extra Heavy Fittings, Add	203.46	
For Above Ground Cast Iron Pipe Installation, Add	7.81	
For Work In Restricted Working Space, Add	46.88	
22 13 16 00-0217 EA 10" Bell And Spigot Cast Iron P-Trap	820.36	128.27
For Extra Heavy Fittings, Add	219.81	
For Above Ground Cast Iron Pipe Installation, Add	9.62	
For Work In Restricted Working Space, Add	57.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)					
22 13 16 00-0219	EA		2" Bell And Spigot Cast Iron Deep Seal P-Trap .....106.02		38.88
			<i>For Extra Heavy Fittings, Add</i> .....16.71		
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....2.91		
			<i>For Work In Restricted Working Space, Add</i> .....17.48		
22 13 16 00-0220	EA		3" Bell And Spigot Cast Iron Deep Seal P-Trap .....149.41		48.91
			<i>For Extra Heavy Fittings, Add</i> .....26.66		
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....3.66		
			<i>For Work In Restricted Working Space, Add</i> .....21.97		
22 13 16 00-0221	EA		4" Bell And Spigot Cast Iron Deep Seal P-Trap .....216.04		65.03
			<i>For Extra Heavy Fittings, Add</i> .....41.50		
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....4.87		
			<i>For Work In Restricted Working Space, Add</i> .....29.24		
22 13 16 00-0222	EA		5" Bell And Spigot Cast Iron Deep Seal P-Trap .....341.32		76.18
			<i>For Extra Heavy Fittings, Add</i> .....79.51		
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....5.71		
			<i>For Work In Restricted Working Space, Add</i> .....34.25		
22 13 16 00-0223	EA		6" Bell And Spigot Cast Iron Deep Seal P-Trap .....363.03		84.93
			<i>For Extra Heavy Fittings, Add</i> .....82.47		
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....6.37		
			<i>For Work In Restricted Working Space, Add</i> .....38.22		
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)					
22 13 16 00-0225	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent.....245.97		93.89
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....7.13		
			<i>For Work In Restricted Working Space, Add</i> .....42.79		
22 13 16 00-0226	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....327.52		123.43
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....9.34		
			<i>For Work In Restricted Working Space, Add</i> .....56.05		
22 13 16 00-0227	EA		5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....424.02		132.31
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....10.00		
			<i>For Work In Restricted Working Space, Add</i> .....60.00		
22 13 16 00-0228	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....829.79		149.93
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....11.34		
			<i>For Work In Restricted Working Space, Add</i> .....68.04		
22 13 16 00-0229	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....2,664.22		178.27
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....13.52		
			<i>For Work In Restricted Working Space, Add</i> .....81.09		
22 13 16 00-0230	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent.....2,885.76		198.91
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....15.04		
			<i>For Work In Restricted Working Space, Add</i> .....90.21		
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)					
22 13 16 00-0232	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent.....317.12		129.66
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....9.82		
			<i>For Work In Restricted Working Space, Add</i> .....58.91		
22 13 16 00-0233	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....429.65		163.67
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....12.43		
			<i>For Work In Restricted Working Space, Add</i> .....74.55		
22 13 16 00-0234	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....928.57		185.28
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....14.05		
			<i>For Work In Restricted Working Space, Add</i> .....84.31		
22 13 16 00-0235	EA		6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....1,078.77		224.28
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....16.99		
			<i>For Work In Restricted Working Space, Add</i> .....101.96		
22 13 16 00-0236	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....2,874.46		216.16
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....16.40		
			<i>For Work In Restricted Working Space, Add</i> .....98.37		
22 13 16 00-0237	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....3,158.05		256.67
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....19.41		
			<i>For Work In Restricted Working Space, Add</i> .....116.48		
22 13 16 00-0238	EA		10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent.....4,191.35		296.17
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....22.47		
			<i>For Work In Restricted Working Space, Add</i> .....134.79		
22 13 16 00-0239	EA		12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent.....5,787.45		342.42
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....25.94		
			<i>For Work In Restricted Working Space, Add</i> .....155.63		
22 13 16 00-0240	EA		15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent.....11,211.62		396.06
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....30.02		
			<i>For Work In Restricted Working Space, Add</i> .....180.10		
22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)					
22 13 16 00-0242	EA		2" Bell And Spigot Cast Iron Scission Joint Fitting .....181.64		
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....2.91		
			<i>For Work In Restricted Working Space, Add</i> .....17.44		
22 13 16 00-0243	EA		3" Bell And Spigot Cast Iron Scission Joint Fitting .....248.04		
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....3.27		
			<i>For Work In Restricted Working Space, Add</i> .....19.59		
22 13 16 00-0244	EA		4" Bell And Spigot Cast Iron Scission Joint Fitting .....288.45		
			<i>For Above Ground Cast Iron Pipe Installation, Add</i> .....4.37		
			<i>For Work In Restricted Working Space, Add</i> .....26.24		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0245 EA 5" Bell And Spigot Cast Iron Scission Joint Fitting.....	355.13	
For Above Ground Cast Iron Pipe Installation, Add	5.08	
For Work In Restricted Working Space, Add	30.49	
22 13 16 00-0246 EA 6" Bell And Spigot Cast Iron Scission Joint Fitting.....	431.16	
For Above Ground Cast Iron Pipe Installation, Add	6.14	
For Work In Restricted Working Space, Add	36.83	
22 13 16 00-0247 EA 8" Bell And Spigot Cast Iron Scission Joint Fitting.....	803.72	
For Above Ground Cast Iron Pipe Installation, Add	7.76	
For Work In Restricted Working Space, Add	46.54	
22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019)		
Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249 EA 2", Cut And Prepare Existing In-Place Cast Iron Pipe.....	16.19	
For Above Ground Cast Iron Pipe Installation, Add	0.81	
For Work In Restricted Working Space, Add	4.86	
22 13 16 00-0250 EA 3", Cut And Prepare Existing In-Place Cast Iron Pipe.....	17.66	
For Above Ground Cast Iron Pipe Installation, Add	0.88	
For Work In Restricted Working Space, Add	5.30	
22 13 16 00-0251 EA 4", Cut And Prepare Existing In-Place Cast Iron Pipe.....	22.08	
For Above Ground Cast Iron Pipe Installation, Add	1.10	
For Work In Restricted Working Space, Add	6.62	
22 13 16 00-0252 EA 6", Cut And Prepare Existing In-Place Cast Iron Pipe.....	26.49	
For Above Ground Cast Iron Pipe Installation, Add	1.32	
For Work In Restricted Working Space, Add	7.95	
22 13 16 00-0253 EA 8", Cut And Prepare Existing In-Place Cast Iron Pipe.....	35.32	
For Above Ground Cast Iron Pipe Installation, Add	1.77	
For Work In Restricted Working Space, Add	10.60	
22 13 16 00-0254 EA 10", Cut And Prepare Existing In-Place Cast Iron Pipe.....	41.20	
For Above Ground Cast Iron Pipe Installation, Add	2.06	
For Work In Restricted Working Space, Add	12.36	
22 13 16 00-0255 EA 12", Cut And Prepare Existing In-Place Cast Iron Pipe.....	48.56	
For Above Ground Cast Iron Pipe Installation, Add	2.43	
For Work In Restricted Working Space, Add	14.57	
22 13 16 00-0256 EA 15", Cut And Prepare Existing In-Place Cast Iron Pipe.....	55.92	
For Above Ground Cast Iron Pipe Installation, Add	2.80	
For Work In Restricted Working Space, Add	16.78	
22 13 16 00-0257 Joint Material (22 13 16 00-0019)		
Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258 LB Lead (1 LB/Diameter Inch) Joint Material.....	6.03	
22 13 16 00-0259 LB Oakum (1/8 LB/Diameter Inch) Joint Material.....	16.96	
22 13 16 00-0260 EA 2" Dual Tite Rubber Gasket.....	3.17	
22 13 16 00-0261 EA 3" Dual Tite Rubber Gasket.....	4.34	
22 13 16 00-0262 EA 4" Dual Tite Rubber Gasket.....	5.40	
22 13 16 00-0263 EA 6" Dual Tite Rubber Gasket.....	8.95	
22 13 16 00-0264 EA 8" Dual Tite Rubber Gasket.....	19.75	
22 13 16 00-0265 EA 10" Dual Tite Rubber Gasket.....	30.28	
22 13 16 00-0266 EA 12" Dual Tite Rubber Gasket.....	38.57	
22 13 16 00-0267 EA 15" Dual Tite Rubber Gasket.....	45.81	
22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings (22 13 16)		
Note: Service Weight. Excludes hangers.		
22 13 16 00-0269 No Hub Cast Iron Pipe (22 13 16 00-0268)		
Note: Excludes couplings.		
22 13 16 00-0270 LF 1-1/2" No Hub Cast Iron Pipe.....	20.21	8.13
For Below Ground Installation, Add	0.61	
For Work In Restricted Working Space, Add	3.66	
22 13 16 00-0271 LF 2" No Hub Cast Iron Pipe.....	21.50	8.67
For Below Ground Installation, Add	0.66	
For Work In Restricted Working Space, Add	3.93	
22 13 16 00-0272 LF 3" No Hub Cast Iron Pipe.....	30.58	12.60
For Below Ground Installation, Add	0.95	
For Work In Restricted Working Space, Add	5.69	
22 13 16 00-0273 LF 4" No Hub Cast Iron Pipe.....	39.69	16.39
For Below Ground Installation, Add	1.23	
For Work In Restricted Working Space, Add	7.39	
22 13 16 00-0274 LF 5" No Hub Cast Iron Pipe.....	48.86	18.59
For Below Ground Installation, Add	1.39	
For Work In Restricted Working Space, Add	8.36	
22 13 16 00-0275 LF 6" No Hub Cast Iron Pipe.....	56.32	20.29
For Below Ground Installation, Add	1.52	
For Work In Restricted Working Space, Add	9.11	
22 13 16 00-0276 LF 8" No Hub Cast Iron Pipe.....	85.53	29.38
For Below Ground Installation, Add	2.20	
For Work In Restricted Working Space, Add	13.19	
22 13 16 00-0277 LF 10" No Hub Cast Iron Pipe.....	118.92	33.38
For Below Ground Installation, Add	2.50	
For Work In Restricted Working Space, Add	15.00	
22 13 16 00-0278 No Hub Cast Iron Fittings (22 13 16 00-0268)		



	Plumbing	22
	Plumbing Piping	22 10
	Facility Sanitary Sewerage	22 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0279 No Hub Cast Iron Long Sweeps <small>(22 13 16 00-0278)</small>		
22 13 16 00-0280 EA 1-1/2" No Hub Cast Iron Long Sweep	74.07	36.85
<i>For Below Ground Installation, Add</i>	2.76	
<i>For Work In Restricted Working Space, Add</i>	16.59	
22 13 16 00-0281 EA 2" No Hub Cast Iron Long Sweep	76.89	38.48
<i>For Below Ground Installation, Add</i>	2.88	
<i>For Work In Restricted Working Space, Add</i>	17.30	
22 13 16 00-0282 EA 3" No Hub Cast Iron Long Sweep	90.21	44.03
<i>For Below Ground Installation, Add</i>	3.30	
<i>For Work In Restricted Working Space, Add</i>	19.83	
22 13 16 00-0283 EA 4" No Hub Cast Iron Long Sweep	123.35	58.26
<i>For Below Ground Installation, Add</i>	4.37	
<i>For Work In Restricted Working Space, Add</i>	26.22	
22 13 16 00-0284 EA 5" No Hub Cast Iron Long Sweep	158.12	61.35
<i>For Below Ground Installation, Add</i>	4.60	
<i>For Work In Restricted Working Space, Add</i>	27.58	
22 13 16 00-0285 EA 6" No Hub Cast Iron Long Sweep	187.75	73.14
<i>For Below Ground Installation, Add</i>	5.49	
<i>For Work In Restricted Working Space, Add</i>	32.92	
22 13 16 00-0286 EA 8" No Hub Cast Iron Long Sweep	356.16	95.27
<i>For Below Ground Installation, Add</i>	7.14	
<i>For Work In Restricted Working Space, Add</i>	42.86	
22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps <small>(22 13 16 00-0278)</small>		
22 13 16 00-0288 EA 3" x 2" No Hub Cast Iron Reducing Long Sweep	110.07	44.03
<i>For Below Ground Installation, Add</i>	3.30	
<i>For Work In Restricted Working Space, Add</i>	19.83	
22 13 16 00-0289 EA 4" x 3" No Hub Cast Iron Reducing Long Sweep	161.22	58.26
<i>For Below Ground Installation, Add</i>	4.37	
<i>For Work In Restricted Working Space, Add</i>	26.22	
22 13 16 00-0290 No Hub Cast Iron Short Sweeps <small>(22 13 16 00-0278)</small>		
22 13 16 00-0291 EA 2" No Hub Cast Iron Short Sweep	72.90	38.48
<i>For Below Ground Installation, Add</i>	2.88	
<i>For Work In Restricted Working Space, Add</i>	17.30	
22 13 16 00-0292 EA 3" No Hub Cast Iron Short Sweep	87.04	44.03
<i>For Below Ground Installation, Add</i>	3.30	
<i>For Work In Restricted Working Space, Add</i>	19.83	
22 13 16 00-0293 EA 4" No Hub Cast Iron Short Sweep	121.69	58.26
<i>For Below Ground Installation, Add</i>	4.37	
<i>For Work In Restricted Working Space, Add</i>	26.22	
22 13 16 00-0294 EA 5" No Hub Cast Iron Short Sweep	158.74	61.35
<i>For Below Ground Installation, Add</i>	4.60	
<i>For Work In Restricted Working Space, Add</i>	27.58	
22 13 16 00-0295 EA 6" No Hub Cast Iron Short Sweep	178.05	73.14
<i>For Below Ground Installation, Add</i>	5.49	
<i>For Work In Restricted Working Space, Add</i>	32.92	
22 13 16 00-0296 EA 8" No Hub Cast Iron Short Sweep	326.85	95.27
<i>For Below Ground Installation, Add</i>	7.14	
<i>For Work In Restricted Working Space, Add</i>	42.86	
22 13 16 00-0297 EA 10" No Hub Cast Iron Short Sweep	523.63	133.40
<i>For Below Ground Installation, Add</i>	10.00	
<i>For Work In Restricted Working Space, Add</i>	60.01	
22 13 16 00-0298 No Hub Cast Iron 1/4 Bends <small>(22 13 16 00-0278)</small>		
22 13 16 00-0299 EA 1-1/2" No Hub Cast Iron 1/4 Bend	67.13	36.85
<i>For Below Ground Installation, Add</i>	2.77	
<i>For Work In Restricted Working Space, Add</i>	16.59	
22 13 16 00-0300 EA 2" No Hub Cast Iron 1/4 Bend	70.15	38.48
<i>For Below Ground Installation, Add</i>	2.88	
<i>For Work In Restricted Working Space, Add</i>	17.30	
22 13 16 00-0301 EA 3" No Hub Cast Iron 1/4 Bend	82.58	44.03
<i>For Below Ground Installation, Add</i>	3.30	
<i>For Work In Restricted Working Space, Add</i>	19.83	
22 13 16 00-0302 EA 4" No Hub Cast Iron 1/4 Bend	111.84	58.26
<i>For Below Ground Installation, Add</i>	4.37	
<i>For Work In Restricted Working Space, Add</i>	26.22	
22 13 16 00-0303 EA 5" No Hub Cast Iron 1/4 Bend	146.50	61.35
<i>For Below Ground Installation, Add</i>	4.60	
<i>For Work In Restricted Working Space, Add</i>	27.58	
22 13 16 00-0304 EA 6" No Hub Cast Iron 1/4 Bend	170.22	73.14
<i>For Below Ground Installation, Add</i>	5.49	
<i>For Work In Restricted Working Space, Add</i>	32.92	
22 13 16 00-0305 EA 8" No Hub Cast Iron 1/4 Bend	304.03	95.27
<i>For Below Ground Installation, Add</i>	7.14	
<i>For Work In Restricted Working Space, Add</i>	42.86	
22 13 16 00-0306 No Hub Cast Iron 1/8 Bends <small>(22 13 16 00-0278)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0307 EA 1-1/2" No Hub Cast Iron 1/8 Bend.....	64.58	36.85
For Below Ground Installation, Add	2.77	
For Work In Restricted Working Space, Add	16.59	
22 13 16 00-0308 EA 2" No Hub Cast Iron 1/8 Bend.....	67.14	38.48
For Below Ground Installation, Add	2.88	
For Work In Restricted Working Space, Add	17.30	
22 13 16 00-0309 EA 3" No Hub Cast Iron 1/8 Bend.....	79.63	44.03
For Below Ground Installation, Add	3.30	
For Work In Restricted Working Space, Add	19.83	
22 13 16 00-0310 EA 4" No Hub Cast Iron 1/8 Bend.....	105.20	58.26
For Below Ground Installation, Add	4.37	
For Work In Restricted Working Space, Add	26.22	
22 13 16 00-0311 EA 6" No Hub Cast Iron 1/8 Bend.....	169.64	86.04
For Below Ground Installation, Add	6.45	
For Work In Restricted Working Space, Add	38.71	
22 13 16 00-0312 EA 8" No Hub Cast Iron 1/8 Bend.....	277.45	113.00
For Below Ground Installation, Add	8.47	
For Work In Restricted Working Space, Add	50.81	
22 13 16 00-0313 EA 10" No Hub Cast Iron 1/8 Bend.....	412.33	139.01
For Below Ground Installation, Add	10.42	
For Work In Restricted Working Space, Add	62.53	
22 13 16 00-0314 No Hub Cast Iron Wyes (22 13 16 00-0278)		
22 13 16 00-0315 EA 1-1/2" No Hub Cast Iron Wye.....	103.34	57.98
For Below Ground Installation, Add	4.34	
For Work In Restricted Working Space, Add	26.06	
22 13 16 00-0316 EA 2" No Hub Cast Iron Wye.....	134.52	78.58
For Below Ground Installation, Add	5.89	
For Work In Restricted Working Space, Add	35.35	
22 13 16 00-0317 EA 3" No Hub Cast Iron Wye.....	151.85	86.04
For Below Ground Installation, Add	6.45	
For Work In Restricted Working Space, Add	38.71	
22 13 16 00-0318 EA 4" No Hub Cast Iron Wye.....	206.39	113.00
For Below Ground Installation, Add	8.47	
For Work In Restricted Working Space, Add	50.81	
22 13 16 00-0319 EA 5" No Hub Cast Iron Wye.....	259.17	119.43
For Below Ground Installation, Add	8.95	
For Work In Restricted Working Space, Add	53.71	
22 13 16 00-0320 EA 6" No Hub Cast Iron Wye.....	307.58	141.78
For Below Ground Installation, Add	10.63	
For Work In Restricted Working Space, Add	63.78	
22 13 16 00-0321 EA 8" No Hub Cast Iron Wye.....	508.89	190.66
For Below Ground Installation, Add	14.29	
For Work In Restricted Working Space, Add	85.73	
22 13 16 00-0322 EA 10" No Hub Cast Iron Wye.....	800.65	211.78
For Below Ground Installation, Add	15.88	
For Work In Restricted Working Space, Add	95.25	
22 13 16 00-0323 No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)		
22 13 16 00-0324 EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye.....	130.44	75.06
For Below Ground Installation, Add	5.62	
For Work In Restricted Working Space, Add	33.73	
22 13 16 00-0325 EA 3" x 2" No Hub Cast Iron Reducing Wye.....	147.03	86.04
For Below Ground Installation, Add	6.45	
For Work In Restricted Working Space, Add	38.71	
22 13 16 00-0326 EA 4" x 2" No Hub Cast Iron Reducing Wye.....	165.65	95.11
For Below Ground Installation, Add	7.13	
For Work In Restricted Working Space, Add	42.79	
22 13 16 00-0327 EA 4" x 3" No Hub Cast Iron Reducing Wye.....	189.32	105.68
For Below Ground Installation, Add	7.92	
For Work In Restricted Working Space, Add	47.54	
22 13 16 00-0328 EA 6" x 2" No Hub Cast Iron Reducing Wye.....	232.14	120.64
For Below Ground Installation, Add	9.05	
For Work In Restricted Working Space, Add	54.29	
22 13 16 00-0329 EA 6" x 3" No Hub Cast Iron Reducing Wye.....	246.72	126.11
For Below Ground Installation, Add	9.45	
For Work In Restricted Working Space, Add	56.70	
22 13 16 00-0330 EA 6" x 4" No Hub Cast Iron Reducing Wye.....	284.13	147.37
For Below Ground Installation, Add	11.05	
For Work In Restricted Working Space, Add	66.27	
22 13 16 00-0331 EA 8" x 4" No Hub Cast Iron Reducing Wye.....	352.50	149.90
For Below Ground Installation, Add	11.24	
For Work In Restricted Working Space, Add	67.43	
22 13 16 00-0332 EA 8" x 6" No Hub Cast Iron Reducing Wye.....	404.73	164.77
For Below Ground Installation, Add	12.35	
For Work In Restricted Working Space, Add	74.09	
22 13 16 00-0333 EA 10" x 4" No Hub Cast Iron Reducing Wye.....	597.33	175.53
For Below Ground Installation, Add	13.16	
For Work In Restricted Working Space, Add	78.96	
22 13 16 00-0334 EA 10" x 6" No Hub Cast Iron Reducing Wye.....	631.32	187.90
For Below Ground Installation, Add	14.09	
For Work In Restricted Working Space, Add	84.52	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0335	EA		10" x 8" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	720.61 15.04 90.24	200.66
22 13 16 00-0336				No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)		
	22 13 16 00-0337	EA		1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.81 5.06 30.33	67.47
	22 13 16 00-0338	EA		2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.20 5.89 35.35	78.58
	22 13 16 00-0339	EA		3" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.93 6.45 38.71	86.04
	22 13 16 00-0340	EA		4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.76 8.47 50.81	113.00
	22 13 16 00-0341	EA		6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	389.96 13.03 78.17	173.83
	22 13 16 00-0342	EA		8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	659.07 16.72 100.31	223.01
	22 13 16 00-0343	EA		10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	777.02 20.21 121.26	269.62
22 13 16 00-0344				No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)		
	22 13 16 00-0345	EA		2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.03 5.89 35.35	78.58
	22 13 16 00-0346	EA		3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	149.57 6.45 38.71	86.04
	22 13 16 00-0347	EA		4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.73 7.13 42.79	95.11
	22 13 16 00-0348	EA		4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.25 7.92 47.54	105.68
	22 13 16 00-0349	EA		6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	246.93 9.05 54.29	120.64
	22 13 16 00-0350	EA		6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	272.55 9.45 56.70	126.11
	22 13 16 00-0351	EA		6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	306.74 11.05 66.27	147.37
	22 13 16 00-0352	EA		8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	394.77 11.24 67.43	149.90
	22 13 16 00-0353	EA		8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	501.36 12.35 74.09	164.77
22 13 16 00-0354				No Hub Cast Iron Double Wyes (22 13 16 00-0278)		
	22 13 16 00-0355	EA		2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.76 7.32 43.94	97.68
	22 13 16 00-0356	EA		3" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	221.23 8.91 53.48	118.96
	22 13 16 00-0357	EA		4" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	283.32 9.75 58.48	130.07
	22 13 16 00-0358	EA		6" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	420.14 13.39 80.36	178.72
	22 13 16 00-0359	EA		8" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	776.09 18.18 109.11	242.53
22 13 16 00-0360				No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)		
	22 13 16 00-0361	EA		3" x 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	199.09 8.11 48.68	108.25
	22 13 16 00-0362	EA		4" x 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.36 9.34 56.06	124.65



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0363	EA		4" x 3" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	259.55 10.19 61.12	135.89
22 13 16 00-0364	EA		6" x 4" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	359.73 11.81 70.87	157.58
22 13 16 00-0365			No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0366	EA		2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.77 8.80 52.79	117.34
22 13 16 00-0367	EA		3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	258.17 9.75 58.48	130.07
22 13 16 00-0368	EA		4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	378.82 12.90 77.42	172.20
22 13 16 00-0369	EA		6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	539.47 19.93 119.55	265.82
22 13 16 00-0370			No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0371	EA		3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.73 7.57 45.41	100.94
22 13 16 00-0372	EA		4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.51 8.80 52.79	117.34
22 13 16 00-0373	EA		4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	271.49 9.61 57.65	128.17
22 13 16 00-0374			No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0375	EA		1-1/2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.87 4.26 25.56	56.77
22 13 16 00-0376	EA		2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.35 5.89 35.35	78.58
22 13 16 00-0377	EA		3" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	149.98 6.45 38.71	86.04
22 13 16 00-0378	EA		4" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.14 8.47 50.81	113.00
22 13 16 00-0379	EA		5" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	260.06 8.95 53.71	119.43
22 13 16 00-0380	EA		6" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	306.96 10.63 63.78	141.78
22 13 16 00-0381	EA		8" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	561.33 14.29 85.73	190.66
22 13 16 00-0382			No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0383	EA		2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.62 4.80 28.83	64.09
22 13 16 00-0384	EA		3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.89 5.62 33.73	75.06
22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.27 5.89 35.35	78.58
22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.34 5.89 35.35	78.58
22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.35 7.97 47.82	106.35
22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.22 7.97 47.82	106.35
22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	228.03 8.50 51.03	113.47
22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	234.82 8.50 51.03	113.47



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0391	EA			5" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	235.65 8.50 51.03	113.47
22 13 16 00-0392	EA			6" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	244.66 8.86 53.15	118.22
22 13 16 00-0393	EA			8" x 6" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	446.34 12.05 72.30	160.78
22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)						
22 13 16 00-0395	EA			2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.23 2.88 17.30	38.48
22 13 16 00-0396	EA			3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.20 3.30 19.83	44.03
22 13 16 00-0397	EA			4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.99 4.37 26.22	58.26
22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)						
22 13 16 00-0399	EA			2" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.17 2.88 17.30	38.48
22 13 16 00-0400	EA			3" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.43 3.30 19.83	44.03
22 13 16 00-0401	EA			4" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.44 4.37 26.22	58.26
22 13 16 00-0402	EA			6" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	209.06 6.45 38.71	86.04
22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)						
22 13 16 00-0404	EA			4" No Hub Cast Iron Single Two-Way Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	286.51 8.47 50.81	113.00
22 13 16 00-0405	EA			4" No Hub Cast Iron Double Two-Way Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	366.20 12.87 77.23	171.66
22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)						
22 13 16 00-0407	EA			2" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.82 2.88 17.30	38.48
22 13 16 00-0408	EA			3" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.79 3.30 19.83	44.03
22 13 16 00-0409	EA			4" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.82 4.37 26.22	58.26
22 13 16 00-0410	EA			6" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.42 6.45 38.71	86.04
22 13 16 00-0411	EA			8" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.61 8.47 50.81	113.00
22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)						
22 13 16 00-0413	EA			1-1/2" No Hub Cast Iron Sanitary Cross..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.02 5.69 34.16	75.88
22 13 16 00-0414	EA			2" No Hub Cast Iron Sanitary Cross..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.27 5.89 35.35	78.58
22 13 16 00-0415	EA			3" No Hub Cast Iron Sanitary Cross..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.68 6.45 38.71	86.04
22 13 16 00-0416	EA			4" No Hub Cast Iron Sanitary Cross..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.63 8.47 50.81	113.00
22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)						

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0418 EA 3" x 2" No Hub Cast Iron Sanitary Cross.....	188.80	100.94
For Below Ground Installation, Add	7.57	
For Work In Restricted Working Space, Add	45.41	
22 13 16 00-0419 EA 4" x 2" No Hub Cast Iron Sanitary Cross.....	208.72	103.92
For Below Ground Installation, Add	7.79	
For Work In Restricted Working Space, Add	46.74	
22 13 16 00-0420 EA 4" x 3" No Hub Cast Iron Sanitary Cross.....	226.46	108.53
For Below Ground Installation, Add	8.13	
For Work In Restricted Working Space, Add	48.78	
22 13 16 00-0421 No Hub Cast Iron Reducers (22 13 16 00-0278)		
22 13 16 00-0422 EA 3" x 2" No Hub Cast Iron Reducer	126.69	78.58
For Below Ground Installation, Add	5.89	
For Work In Restricted Working Space, Add	35.35	
22 13 16 00-0423 EA 4" x 2" No Hub Cast Iron Reducer	172.94	106.35
For Below Ground Installation, Add	7.97	
For Work In Restricted Working Space, Add	47.82	
22 13 16 00-0424 EA 4" x 3" No Hub Cast Iron Reducer	173.35	106.35
For Below Ground Installation, Add	7.97	
For Work In Restricted Working Space, Add	47.82	
22 13 16 00-0425 EA 5" x 2" No Hub Cast Iron Reducer	189.96	113.47
For Below Ground Installation, Add	8.50	
For Work In Restricted Working Space, Add	51.03	
22 13 16 00-0426 EA 5" x 3" No Hub Cast Iron Reducer	192.70	113.47
For Below Ground Installation, Add	8.50	
For Work In Restricted Working Space, Add	51.03	
22 13 16 00-0427 EA 5" x 4" No Hub Cast Iron Reducer	193.79	113.47
For Below Ground Installation, Add	8.50	
For Work In Restricted Working Space, Add	51.03	
22 13 16 00-0428 EA 6" x 3" No Hub Cast Iron Reducer	223.27	126.11
For Below Ground Installation, Add	9.45	
For Work In Restricted Working Space, Add	56.70	
22 13 16 00-0429 EA 6" x 4" No Hub Cast Iron Reducer	223.69	126.11
For Below Ground Installation, Add	9.45	
For Work In Restricted Working Space, Add	56.70	
22 13 16 00-0430 EA 6" x 5" No Hub Cast Iron Reducer	224.93	126.11
For Below Ground Installation, Add	9.45	
For Work In Restricted Working Space, Add	56.70	
22 13 16 00-0431 EA 8" x 2" No Hub Cast Iron Reducer	312.40	177.90
For Below Ground Installation, Add	13.34	
For Work In Restricted Working Space, Add	80.01	
22 13 16 00-0432 EA 8" x 3" No Hub Cast Iron Reducer	315.57	177.90
For Below Ground Installation, Add	13.34	
For Work In Restricted Working Space, Add	80.01	
22 13 16 00-0433 EA 8" x 4" No Hub Cast Iron Reducer	320.65	177.90
For Below Ground Installation, Add	13.34	
For Work In Restricted Working Space, Add	80.01	
22 13 16 00-0434 EA 8" x 5" No Hub Cast Iron Reducer	325.94	177.90
For Below Ground Installation, Add	13.34	
For Work In Restricted Working Space, Add	80.01	
22 13 16 00-0435 EA 8" x 6" No Hub Cast Iron Reducer	326.56	177.90
For Below Ground Installation, Add	13.34	
For Work In Restricted Working Space, Add	80.01	
22 13 16 00-0436 EA 10" x 4" No Hub Cast Iron Reducer	379.42	187.66
For Below Ground Installation, Add	14.06	
For Work In Restricted Working Space, Add	84.39	
22 13 16 00-0437 EA 10" x 6" No Hub Cast Iron Reducer	403.76	195.90
For Below Ground Installation, Add	14.69	
For Work In Restricted Working Space, Add	88.14	
22 13 16 00-0438 EA 10" x 8" No Hub Cast Iron Reducer	450.54	212.66
For Below Ground Installation, Add	15.94	
For Work In Restricted Working Space, Add	95.64	
22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)		
22 13 16 00-0440 EA 1-1/2" No Hub Cast Iron Blind Plug.....	32.73	18.44
For Below Ground Installation, Add	1.38	
For Work In Restricted Working Space, Add	8.30	
22 13 16 00-0441 EA 2" No Hub Cast Iron Blind Plug.....	33.72	19.24
For Below Ground Installation, Add	1.44	
For Work In Restricted Working Space, Add	8.65	
22 13 16 00-0442 EA 3" No Hub Cast Iron Blind Plug.....	41.71	22.09
For Below Ground Installation, Add	1.65	
For Work In Restricted Working Space, Add	9.92	
22 13 16 00-0443 EA 4" No Hub Cast Iron Blind Plug.....	55.29	29.13
For Below Ground Installation, Add	2.18	
For Work In Restricted Working Space, Add	13.10	
22 13 16 00-0444 EA 5" No Hub Cast Iron Blind Plug.....	68.35	31.23
For Below Ground Installation, Add	2.34	
For Work In Restricted Working Space, Add	14.03	
22 13 16 00-0445 EA 6" No Hub Cast Iron Blind Plug.....	76.70	36.57
For Below Ground Installation, Add	2.75	
For Work In Restricted Working Space, Add	16.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0446 EA 8" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.11 3.57 21.42	47.63
22 13 16 00-0447 EA 10" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.69 3.84 23.06	51.26
22 13 16 00-0448 No Hub Cast Iron P-Traps (22 13 16 00-0278)		
22 13 16 00-0449 EA 2" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.65 2.88 17.30	38.48
22 13 16 00-0450 EA 3" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.12 3.30 19.83	44.03
22 13 16 00-0451 EA 4" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.68 4.37 26.22	58.26
22 13 16 00-0452 EA 5" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	255.73 4.63 27.80	61.84
22 13 16 00-0453 EA 6" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	273.79 5.53 33.17	73.75
22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)		
22 13 16 00-0455 EA 2" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.18 3.66 21.97	48.91
22 13 16 00-0456 EA 3" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.99 4.87 29.24	65.03
22 13 16 00-0457 EA 4" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	238.67 6.44 38.61	85.89
22 13 16 00-0458 No Hub Cast Iron Closet Flanges (22 13 16 00-0278)		
22 13 16 00-0459 EA 4" No Hub Cast Iron Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.94 4.37 26.22	58.26
22 13 16 00-0460 EA 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.86 4.37 26.22	58.26
22 13 16 00-0461 No Hub Cast Iron Closet Bends (22 13 16 00-0278)		
22 13 16 00-0462 EA 4" x 16" No Hub Cast Iron Closet Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	199.08 4.37 26.22	58.26
22 13 16 00-0463 No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)		
22 13 16 00-0464 EA 1-1/4" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.69 3.66 21.97	48.91
22 13 16 00-0465 EA 1-1/2" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.46 3.66 21.97	48.91
22 13 16 00-0466 No Hub Couplings (22 13 16 00-0278)		
Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).		
22 13 16 00-0467 EA 1-1/2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	18.04 2.35 4.87	
22 13 16 00-0468 EA 2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	18.04 2.35 4.87	
22 13 16 00-0469 EA 3" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	21.41 2.78 5.78	
22 13 16 00-0470 EA 4" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	25.42 3.30 6.86	
22 13 16 00-0471 EA 5" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	58.78 7.64 15.87	
22 13 16 00-0472 EA 6" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	64.58 8.40 17.44	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0473 EA 8" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	121.67 15.82 32.85	
22 13 16 00-0474 EA 10" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	167.61 21.79 45.25	
22 13 16 00-0475 EA 2" x 1-1/2" No Hub Reducing Coupling	21.41	
22 13 16 00-0476 EA 3" x 2" No Hub Reducing Coupling	33.20	
22 13 16 00-0477 EA 4" x 2" No Hub Reducing Coupling	46.32	
22 13 16 00-0478 EA 4" x 3" No Hub Reducing Coupling	39.47	
22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts <small>(22 13 16 00-0278)</small>		
Note: For underground connections. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.		
22 13 16 00-0480 EA 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	34.17	
22 13 16 00-0481 EA 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	35.27	
22 13 16 00-0482 EA 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	37.03	
22 13 16 00-0483 EA 4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	43.20	
22 13 16 00-0484 EA 5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	81.56	
22 13 16 00-0485 EA 6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	111.98	
22 13 16 00-0486 EA 8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	196.19	
22 13 16 00-0487 EA 10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	299.79	
22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place <small>(22 13 16 00-0268)</small>		
Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489 EA Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub <i>For Work In Restricted Working Space, Add</i>	13.24 3.97	
22 13 16 00-0490 EA Cut And Prepare 2" Cast Iron Pipe, No Hub <i>For Work In Restricted Working Space, Add</i>	16.19 4.86	
22 13 16 00-0491 EA Cut And Prepare 3" Cast Iron Pipe, No Hub <i>For Work In Restricted Working Space, Add</i>	17.66 5.30	
22 13 16 00-0492 EA Cut And Prepare 4" Cast Iron Pipe, No Hub <i>For Work In Restricted Working Space, Add</i>	22.08 6.62	
22 13 16 00-0493 EA Cut And Prepare 6" Cast Iron Pipe, No Hub <i>For Work In Restricted Working Space, Add</i>	26.48 7.94	
22 13 16 00-0494 EA Cut And Prepare 8" Cast Iron Pipe, No Hub <i>For Work In Restricted Working Space, Add</i>	35.32 10.60	
22 13 16 00-0495 EA Cut And Prepare 10" Cast Iron Pipe, No Hub <i>For Work In Restricted Working Space, Add</i>	41.21 12.36	
22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe <small>(22 13 16)</small>		
See CSI section 22 11 16 00-0436 for copper and brass fittings.		
22 13 16 00-0497 LF 1-1/4" Hard Drawn DWV Copper Tube/Pipe	20.77	6.37
22 13 16 00-0498 LF 1-1/2" Hard Drawn DWV Copper Tube/Pipe	24.75	7.11
22 13 16 00-0499 LF 2" Hard Drawn DWV Copper Tube/Pipe	31.84	8.77
22 13 16 00-0500 LF 3" Hard Drawn DWV Copper Tube/Pipe	69.01	12.15
22 13 16 00-0501 LF 4" Hard Drawn DWV Copper Tube/Pipe	95.86	13.71
22 13 16 00-0502 LF 5" Hard Drawn DWV Copper Tube/Pipe	186.55	15.74
22 13 16 00-0503 LF 6" Hard Drawn DWV Copper Tube/Pipe	266.39	24.40
22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 13 16)</small>		
Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.		
22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <small>(22 13 16 00-0504)</small>		
22 13 16 00-0506 Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <small>(22 13 16 00-0505)</small>		
Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available. Not for use where detail is available.		
22 13 16 00-0507 LF 1-1/2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	14.32	
Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	3.17	
22 13 16 00-0508 LF 2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	17.26	
Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	3.86	
22 13 16 00-0509 LF 3" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	27.54	
Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	5.46	
22 13 16 00-0510 LF 4" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	34.51	
Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	6.02	
22 13 16 00-0511 LF 6" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	58.95	
Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	7.75	



	Plumbing 22	
	Plumbing Piping 22 10	22
	Facility Sanitary Sewerage 22 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0512	LF		8" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....83.70 Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	10.35	
22 13 16 00-0513	LF		10" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....120.24 Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	13.81	
22 13 16 00-0514			Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <small>(22 13 16 00-0505)</small>		
			Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0515	LF		1-1/2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....28.55 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		5.69
			<i>For Work In Restricted Working Space, Add</i>	6.52	
22 13 16 00-0516	LF		2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....32.03 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		6.78
			<i>For Work In Restricted Working Space, Add</i>	7.25	
22 13 16 00-0517	LF		3" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....44.20 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		9.76
			<i>For Work In Restricted Working Space, Add</i>	9.01	
22 13 16 00-0518	LF		4" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....54.31 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		10.57
			<i>For Work In Restricted Working Space, Add</i>	9.84	
22 13 16 00-0519	LF		6" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....82.60 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		13.55
			<i>For Work In Restricted Working Space, Add</i>	12.61	
22 13 16 00-0520	LF		8" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....106.99 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		18.02
			<i>For Work In Restricted Working Space, Add</i>	14.45	
22 13 16 00-0521	LF		10" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....149.20 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		24.12
			<i>For Work In Restricted Working Space, Add</i>	18.83	
22 13 16 00-0522			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <small>(22 13 16 00-0504)</small>		
			Note: Excludes fittings or hangers.		
22 13 16 00-0523			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) <small>(22 13 16 00-0522)</small>		
			Note: Excludes fittings or hangers.		
22 13 16 00-0524	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....11.09		5.69
			<i>For Work In Restricted Working Space, Add</i>	2.54	
22 13 16 00-0525	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....13.59		6.78
			<i>For Work In Restricted Working Space, Add</i>	3.05	
22 13 16 00-0526	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....21.45		9.76
			<i>For Work In Restricted Working Space, Add</i>	4.37	
22 13 16 00-0527	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....25.53		10.57
			<i>For Work In Restricted Working Space, Add</i>	4.74	
22 13 16 00-0528	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....35.56		12.15
			<i>For Work In Restricted Working Space, Add</i>	5.46	
22 13 16 00-0529	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....50.62		16.16
			<i>For Work In Restricted Working Space, Add</i>	7.29	
22 13 16 00-0530	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....72.71		21.63
			<i>For Work In Restricted Working Space, Add</i>	9.72	
22 13 16 00-0531			Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) <small>(22 13 16 00-0522)</small>		
			Note: Excludes fittings or hangers.		
22 13 16 00-0532	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....10.31		5.69
			<i>For Work In Restricted Working Space, Add</i>	2.54	
22 13 16 00-0533	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....12.66		6.78
			<i>For Work In Restricted Working Space, Add</i>	3.05	
22 13 16 00-0534	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....19.69		9.76
			<i>For Work In Restricted Working Space, Add</i>	4.37	
22 13 16 00-0535	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....23.20		10.57
			<i>For Work In Restricted Working Space, Add</i>	4.74	
22 13 16 00-0536	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....31.22		12.15
			<i>For Work In Restricted Working Space, Add</i>	5.46	
22 13 16 00-0537	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....44.53		16.16
			<i>For Work In Restricted Working Space, Add</i>	7.29	
22 13 16 00-0538	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....66.08		21.63
			<i>For Work In Restricted Working Space, Add</i>	9.72	
22 13 16 00-0539			Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) <small>(22 13 16 00-0504)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0540			Polyvinyl Chloride (PVC) DWV 1/4 Bends (22 13 16 00-0539)		
22 13 16 00-0541	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	40.08	22.63
			<i>For Work In Restricted Working Space, Add</i>	10.16	
22 13 16 00-0542	EA		2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	51.23	28.86
			<i>For Work In Restricted Working Space, Add</i>	13.01	
22 13 16 00-0543	EA		3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	82.71	38.75
			<i>For Work In Restricted Working Space, Add</i>	17.48	
22 13 16 00-0544	EA		4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	119.62	45.12
			<i>For Work In Restricted Working Space, Add</i>	20.32	
22 13 16 00-0545	EA		6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	403.75	58.67
			<i>For Work In Restricted Working Space, Add</i>	26.42	
22 13 16 00-0546	EA		8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	659.30	78.99
			<i>For Work In Restricted Working Space, Add</i>	35.57	
22 13 16 00-0547	EA		10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	870.99	105.28
			<i>For Work In Restricted Working Space, Add</i>	47.42	
22 13 16 00-0548			Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0539)		
22 13 16 00-0549	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	57.49	22.63
			<i>For Work In Restricted Working Space, Add</i>	10.16	
22 13 16 00-0550	EA		2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	61.25	28.86
			<i>For Work In Restricted Working Space, Add</i>	13.01	
22 13 16 00-0551	EA		3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	108.47	38.75
			<i>For Work In Restricted Working Space, Add</i>	17.48	
22 13 16 00-0552	EA		4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	166.85	45.12
			<i>For Work In Restricted Working Space, Add</i>	20.32	
22 13 16 00-0553	EA		6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	312.53	58.67
			<i>For Work In Restricted Working Space, Add</i>	26.42	
22 13 16 00-0554	EA		8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	539.41	78.99
			<i>For Work In Restricted Working Space, Add</i>	35.57	
22 13 16 00-0555	EA		10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	868.84	105.28
			<i>For Work In Restricted Working Space, Add</i>	47.42	
22 13 16 00-0556			Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0539)		
22 13 16 00-0557	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	41.51	22.63
			<i>For Work In Restricted Working Space, Add</i>	10.16	
22 13 16 00-0558	EA		2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	51.11	28.86
			<i>For Work In Restricted Working Space, Add</i>	13.01	
22 13 16 00-0559	EA		3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	80.56	38.75
			<i>For Work In Restricted Working Space, Add</i>	17.48	
22 13 16 00-0560	EA		4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	109.12	45.12
			<i>For Work In Restricted Working Space, Add</i>	20.32	
22 13 16 00-0561	EA		6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	377.04	58.67
			<i>For Work In Restricted Working Space, Add</i>	26.42	
22 13 16 00-0562	EA		8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	597.20	78.99
			<i>For Work In Restricted Working Space, Add</i>	35.57	
22 13 16 00-0563	EA		10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	688.34	105.28
			<i>For Work In Restricted Working Space, Add</i>	47.42	
22 13 16 00-0564			Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0539)		
22 13 16 00-0565	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	61.90	33.88
			<i>For Work In Restricted Working Space, Add</i>	15.24	
22 13 16 00-0566	EA		2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	80.89	43.36
			<i>For Work In Restricted Working Space, Add</i>	19.51	
22 13 16 00-0567	EA		3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	129.61	58.26
			<i>For Work In Restricted Working Space, Add</i>	26.22	
22 13 16 00-0568	EA		4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	182.12	67.74
			<i>For Work In Restricted Working Space, Add</i>	30.49	
22 13 16 00-0569	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	600.35	87.93
			<i>For Work In Restricted Working Space, Add</i>	39.63	
22 13 16 00-0570	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	783.15	118.41
			<i>For Work In Restricted Working Space, Add</i>	53.35	
22 13 16 00-0571			Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0539)		
22 13 16 00-0572	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	75.59	36.99
			<i>For Work In Restricted Working Space, Add</i>	16.67	
22 13 16 00-0573	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	87.96	40.10
			<i>For Work In Restricted Working Space, Add</i>	18.09	
22 13 16 00-0574	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	76.15	40.10
			<i>For Work In Restricted Working Space, Add</i>	18.09	
22 13 16 00-0575	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	107.51	50.13
			<i>For Work In Restricted Working Space, Add</i>	22.56	
22 13 16 00-0576	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	110.71	53.25
			<i>For Work In Restricted Working Space, Add</i>	23.98	
22 13 16 00-0577	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	128.09	56.36
			<i>For Work In Restricted Working Space, Add</i>	25.40	
22 13 16 00-0578	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	198.55	59.61
			<i>For Work In Restricted Working Space, Add</i>	26.83	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0579	EA			4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	245.24 29.06	64.49
22 13 16 00-0580	EA			6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	574.77 36.58	81.16
22 13 16 00-0581	EA			8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,728.71 45.73	101.48
22 13 16 00-0582	EA			8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,789.69 48.78	108.25
22 13 16 00-0583				Polyvinyl Chloride (PVC) DWV Double Sanitary Tees (22 13 16 00-0539)		
22 13 16 00-0584	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	101.13 20.32	45.12
22 13 16 00-0585	EA			2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	135.61 26.01	57.72
22 13 16 00-0586	EA			3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	253.67 34.96	77.64
22 13 16 00-0587	EA			4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	356.00 40.65	90.23
22 13 16 00-0588				Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0539)		
22 13 16 00-0589	EA			2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	121.42 23.17	51.49
22 13 16 00-0590	EA			3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	195.94 27.64	61.37
22 13 16 00-0591	EA			3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	224.63 30.49	67.74
22 13 16 00-0592	EA			4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	381.99 33.33	73.98
22 13 16 00-0593	EA			4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	404.34 37.80	83.86
22 13 16 00-0594				Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0539)		
22 13 16 00-0595	EA			2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	51.01 11.58	25.74
22 13 16 00-0596	EA			3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	85.67 13.82	30.62
22 13 16 00-0597	EA			3" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	83.96 15.24	33.88
22 13 16 00-0598	EA			4" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	121.14 16.67	36.99
22 13 16 00-0599	EA			4" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	131.58 18.90	42.00
22 13 16 00-0600	EA			6" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	419.61 21.95	48.77
22 13 16 00-0601	EA			6" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	356.15 23.37	51.89
22 13 16 00-0602	EA			8" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	856.62 27.95	62.06
22 13 16 00-0603	EA			8" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	731.47 30.99	68.83
22 13 16 00-0604	EA			10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	978.04 36.92	81.97
22 13 16 00-0605	EA			10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	779.72 41.49	92.13
22 13 16 00-0606				Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0539)		
22 13 16 00-0607	EA			1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	72.52 15.24	33.88
22 13 16 00-0608	EA			2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	94.61 19.51	43.36
22 13 16 00-0609	EA			3" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	234.68 26.22	58.26
22 13 16 00-0610	EA			4" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	452.37 30.49	67.74
22 13 16 00-0611	EA			6" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	752.26 39.63	87.93
22 13 16 00-0612				Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0539)		
22 13 16 00-0613	EA			4" Polyvinyl Chloride (PVC) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	109.36 20.32	45.12
22 13 16 00-0614	EA			4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	92.10 18.90	42.00
22 13 16 00-0615				Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0539)		
22 13 16 00-0616	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	72.99 15.24	33.88



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0617	EA		2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	87.33 19.51	43.36
22 13 16 00-0618	EA		3" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	137.84 26.22	58.26
22 13 16 00-0619	EA		4" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	195.60 30.49	67.74
22 13 16 00-0620	EA		6" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	549.78 39.63	87.93
22 13 16 00-0621	EA		8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	687.09 53.35	118.41
22 13 16 00-0622	EA		10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	905.35 71.13	157.84
22 13 16 00-0623			Polyvinyl Chloride (PVC) DWV Reducing Wyes <small>(22 13 16 00-0539)</small>		
22 13 16 00-0624	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	95.15 16.67	36.99
22 13 16 00-0625	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	99.53 18.09	40.10
22 13 16 00-0626	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	136.83 22.56	50.13
22 13 16 00-0627	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	118.94 23.98	53.25
22 13 16 00-0628	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	182.55 25.40	56.36
22 13 16 00-0629	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	164.92 26.83	59.61
22 13 16 00-0630	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	185.01 29.06	64.49
22 13 16 00-0631	EA		6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	496.10 35.16	78.04
22 13 16 00-0632	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	606.54 36.58	81.16
22 13 16 00-0633	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	588.91 45.73	101.48
22 13 16 00-0634	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	733.70 48.78	108.25
22 13 16 00-0635	EA		10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	683.71 57.58	127.77
22 13 16 00-0636	EA		10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	840.12 60.63	134.54
22 13 16 00-0637	EA		10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	972.15 65.20	144.70
22 13 16 00-0638			Polyvinyl Chloride (PVC) DWV Double Wyes <small>(22 13 16 00-0539)</small>		
22 13 16 00-0639	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	114.97 20.32	45.12
22 13 16 00-0640	EA		2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	147.41 26.01	57.72
22 13 16 00-0641	EA		3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	273.35 34.96	77.64
22 13 16 00-0642	EA		4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	453.44 40.65	90.23
22 13 16 00-0643	EA		6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	896.21 52.84	117.34
22 13 16 00-0644	EA		8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,049.78 71.13	157.98
22 13 16 00-0645	EA		10" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,611.10 94.84	210.54
22 13 16 00-0646			Polyvinyl Chloride (PVC) DWV Reducing Double Wyes <small>(22 13 16 00-0539)</small>		
22 13 16 00-0647	EA		2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	132.68 23.17	51.49
22 13 16 00-0648	EA		3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	229.74 27.64	61.37
22 13 16 00-0649	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	218.38 30.49	67.74
22 13 16 00-0650	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	301.70 33.33	73.98
22 13 16 00-0651	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	377.77 37.80	83.86
22 13 16 00-0652	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	569.31 46.74	103.79
22 13 16 00-0653	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	667.78 55.89	124.10
22 13 16 00-0654	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	839.64 61.99	137.65
22 13 16 00-0655	EA		10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	889.64 67.74	150.39
22 13 16 00-0656	EA		10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,139.23 73.84	163.94



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0657	EA		10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,370.58 82.98	184.26
22 13 16 00-0658				Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <small>(22 13 16 00-0539)</small>		
	22 13 16 00-0659	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	86.83 15.24	33.88
	22 13 16 00-0660	EA		2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	108.92 19.51	43.36
	22 13 16 00-0661	EA		3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	202.71 26.22	58.26
	22 13 16 00-0662	EA		4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	341.10 30.49	67.74
22 13 16 00-0663				Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0539)</small>		
	22 13 16 00-0664	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	151.17 18.09	40.10
	22 13 16 00-0665	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	233.07 22.56	50.13
	22 13 16 00-0666	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	178.62 23.98	53.25
	22 13 16 00-0667	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	308.95 26.83	59.61
	22 13 16 00-0668	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	334.65 29.06	64.49
22 13 16 00-0669				Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0539)</small>		
	22 13 16 00-0670	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	125.70 20.32	45.12
	22 13 16 00-0671	EA		2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	148.61 26.01	57.72
	22 13 16 00-0672	EA		3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	224.09 34.96	77.64
	22 13 16 00-0673	EA		4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	702.22 40.65	90.23
	22 13 16 00-0674	EA		6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	2,233.66 52.84	117.34
22 13 16 00-0675				Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0539)</small>		
	22 13 16 00-0676	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	266.87 23.17	51.49
	22 13 16 00-0677	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	422.93 30.49	67.74
	22 13 16 00-0678	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	709.93 33.33	73.98
	22 13 16 00-0679	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	650.08 37.80	83.86
	22 13 16 00-0680	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	1,499.99 46.74	103.79
22 13 16 00-0681				Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <small>(22 13 16 00-0539)</small>		
	22 13 16 00-0682	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	170.60 19.51	43.36
	22 13 16 00-0683	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	289.07 26.22	58.26
	22 13 16 00-0684	EA		4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	452.43 30.49	67.74
	22 13 16 00-0685	EA		6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	1,151.45 39.63	87.93
	22 13 16 00-0686	EA		8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	1,446.98 53.35	118.41
	22 13 16 00-0687	EA		10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	1,920.52 71.13	157.84
22 13 16 00-0688				Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0539)</small>		
	22 13 16 00-0689	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	52.13 10.16	22.63
	22 13 16 00-0690	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	72.82 13.01	28.86
	22 13 16 00-0691	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	103.58 17.48	38.75
	22 13 16 00-0692	EA		4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	174.24 20.32	45.12
	22 13 16 00-0693	EA		6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	380.38 26.42	58.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0694 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	831.33 35.57	78.99
22 13 16 00-0695 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	1,513.92 47.39	105.28
22 13 16 00-0696 Polyvinyl Chloride (PVC) Couplings (22 13 16 00-0539)		
22 13 16 00-0697 EA 1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	39.29 10.16	22.63
22 13 16 00-0698 EA 2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	49.44 13.01	28.86
22 13 16 00-0699 EA 3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	73.81 17.48	38.75
22 13 16 00-0700 EA 4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	93.29 20.32	45.12
22 13 16 00-0701 EA 6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	229.06 26.42	58.67
22 13 16 00-0702 EA 8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	525.83 35.57	78.99
22 13 16 00-0703 EA 10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	789.20 47.42	105.28
22 13 16 00-0704 Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0539)		
22 13 16 00-0705 EA 1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	22.41 5.08	11.24
22 13 16 00-0706 EA 2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	35.13 6.50	14.49
22 13 16 00-0707 EA 3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	66.47 8.74	19.37
22 13 16 00-0708 EA 4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	119.45 10.16	22.63
22 13 16 00-0709 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504)		
Note: In place piping.		
22 13 16 00-0710 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.93	
22 13 16 00-0711 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	10.93	
22 13 16 00-0712 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	13.90	
22 13 16 00-0713 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	18.76	
22 13 16 00-0714 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	26.81	
22 13 16 00-0715 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	35.76	
22 13 16 00-0716 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	43.72	
22 13 16 00-0717 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)		
Note: Aboveground installation.		
22 13 16 00-0718 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0717)		
Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0719 LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	31.47 7.80	5.69
<i>For Work In Restricted Working Space, Add</i>		
22 13 16 00-0720 LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	34.94 8.63	6.78
<i>For Work In Restricted Working Space, Add</i>		
22 13 16 00-0721 LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	46.92 10.72	9.76
<i>For Work In Restricted Working Space, Add</i>		
22 13 16 00-0722 LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	53.72 11.91	10.57
<i>For Work In Restricted Working Space, Add</i>		
22 13 16 00-0723 LF 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	86.60 15.84	13.55
<i>For Work In Restricted Working Space, Add</i>		
22 13 16 00-0724 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) (22 13 16 00-0717)		
Note: Excludes fittings or hangers.		
22 13 16 00-0725 LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	11.70 2.54	5.69
<i>For Work In Restricted Working Space, Add</i>		
22 13 16 00-0726 LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	14.49 3.05	6.78
<i>For Work In Restricted Working Space, Add</i>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0727	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	23.53 4.37	9.76
	22 13 16 00-0728	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	28.63 4.74	10.57
	22 13 16 00-0729	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	44.33 5.46	12.15
	22 13 16 00-0730			Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) <small>(22 13 16 00-0717)</small>		
	22 13 16 00-0731			Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <small>(22 13 16 00-0730)</small>		
	22 13 16 00-0732	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	47.61 10.16	22.63
	22 13 16 00-0733	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	62.95 13.01	28.86
	22 13 16 00-0734	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	118.71 17.48	38.75
	22 13 16 00-0735	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	186.18 20.32	45.12
	22 13 16 00-0736	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	530.12 26.42	58.67
	22 13 16 00-0737			Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0730)</small>		
	22 13 16 00-0738	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	66.60 10.16	22.63
	22 13 16 00-0739	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	81.51 13.01	28.86
	22 13 16 00-0740	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	164.79 17.48	38.75
	22 13 16 00-0741	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	277.86 20.32	45.12
	22 13 16 00-0742			Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <small>(22 13 16 00-0730)</small>		
	22 13 16 00-0743	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	50.18 10.16	22.63
	22 13 16 00-0744	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	61.15 13.01	28.86
	22 13 16 00-0745	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	109.26 17.48	38.75
	22 13 16 00-0746	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	168.73 20.32	45.12
	22 13 16 00-0747	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	548.52 26.42	58.67
	22 13 16 00-0748			Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <small>(22 13 16 00-0730)</small>		
	22 13 16 00-0749	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	74.20 15.24	33.88
	22 13 16 00-0750	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	100.18 19.51	43.36
	22 13 16 00-0751	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	176.96 26.22	58.26
	22 13 16 00-0752	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	273.71 30.49	67.74
	22 13 16 00-0753	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	1,064.93 39.63	87.93
	22 13 16 00-0754			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <small>(22 13 16 00-0730)</small>		
	22 13 16 00-0755	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	92.84 16.67	36.99
	22 13 16 00-0756	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	112.66 18.09	40.10
	22 13 16 00-0757	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	93.98 18.09	40.10
	22 13 16 00-0758	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	143.60 22.56	50.13
	22 13 16 00-0759	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	148.98 23.98	53.25
	22 13 16 00-0760	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	332.72 25.40	56.36
	22 13 16 00-0761	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	320.97 26.83	59.61
	22 13 16 00-0762	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	368.39 29.06	64.49
	22 13 16 00-0763	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	1,164.90 36.58	81.16



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0764			Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <small>(22 13 16 00-0730)</small>		
22 13 16 00-0765	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees .....138.78		45.12
			<i>For Work In Restricted Working Space, Add</i> .....20.32		
22 13 16 00-0766	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....190.36		57.72
			<i>For Work In Restricted Working Space, Add</i> .....26.01		
22 13 16 00-0767	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....407.68		77.64
			<i>For Work In Restricted Working Space, Add</i> .....34.96		
22 13 16 00-0768	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....602.13		90.23
			<i>For Work In Restricted Working Space, Add</i> .....40.65		
22 13 16 00-0769			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees <small>(22 13 16 00-0730)</small>		
22 13 16 00-0770	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees .....157.80		51.49
			<i>For Work In Restricted Working Space, Add</i> .....23.17		
22 13 16 00-0771	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....240.52		61.37
			<i>For Work In Restricted Working Space, Add</i> .....27.64		
22 13 16 00-0772	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....277.19		67.74
			<i>For Work In Restricted Working Space, Add</i> .....30.49		
22 13 16 00-0773	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....486.33		66.34
			<i>For Work In Restricted Working Space, Add</i> .....29.89		
22 13 16 00-0774	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....510.36		75.20
			<i>For Work In Restricted Working Space, Add</i> .....33.90		
22 13 16 00-0775			Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <small>(22 13 16 00-0730)</small>		
22 13 16 00-0776	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....97.89		33.88
			<i>For Work In Restricted Working Space, Add</i> .....15.24		
22 13 16 00-0777	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes .....113.37		43.36
			<i>For Work In Restricted Working Space, Add</i> .....19.51		
22 13 16 00-0778	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes .....194.38		58.26
			<i>For Work In Restricted Working Space, Add</i> .....26.22		
22 13 16 00-0779	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes .....300.95		67.74
			<i>For Work In Restricted Working Space, Add</i> .....30.49		
22 13 16 00-0780	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes .....863.52		87.93
			<i>For Work In Restricted Working Space, Add</i> .....39.63		
22 13 16 00-0781			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <small>(22 13 16 00-0730)</small>		
22 13 16 00-0782	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....139.55		36.99
			<i>For Work In Restricted Working Space, Add</i> .....16.67		
22 13 16 00-0783	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....143.44		40.10
			<i>For Work In Restricted Working Space, Add</i> .....18.09		
22 13 16 00-0784	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....163.09		53.25
			<i>For Work In Restricted Working Space, Add</i> .....23.98		
22 13 16 00-0785	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....249.58		59.61
			<i>For Work In Restricted Working Space, Add</i> .....26.83		
22 13 16 00-0786	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....283.99		64.49
			<i>For Work In Restricted Working Space, Add</i> .....29.06		
22 13 16 00-0787	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....726.24		81.16
			<i>For Work In Restricted Working Space, Add</i> .....36.58		
22 13 16 00-0788			Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <small>(22 13 16 00-0730)</small>		
22 13 16 00-0789	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes .....167.88		45.12
			<i>For Work In Restricted Working Space, Add</i> .....20.32		
22 13 16 00-0790	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....215.51		57.72
			<i>For Work In Restricted Working Space, Add</i> .....26.01		
22 13 16 00-0791	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....449.51		77.64
			<i>For Work In Restricted Working Space, Add</i> .....34.96		
22 13 16 00-0792	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....810.03		90.23
			<i>For Work In Restricted Working Space, Add</i> .....40.65		
22 13 16 00-0793			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes <small>(22 13 16 00-0730)</small>		
22 13 16 00-0794	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....194.86		51.49
			<i>For Work In Restricted Working Space, Add</i> .....23.17		
22 13 16 00-0795	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes .....327.01		61.37
			<i>For Work In Restricted Working Space, Add</i> .....27.64		
22 13 16 00-0796	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....348.83		67.74
			<i>For Work In Restricted Working Space, Add</i> .....30.49		
22 13 16 00-0797	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....515.53		73.98
			<i>For Work In Restricted Working Space, Add</i> .....33.33		
22 13 16 00-0798	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....660.21		83.86
			<i>For Work In Restricted Working Space, Add</i> .....37.80		
22 13 16 00-0799			Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small>		
22 13 16 00-0800	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends .....126.02		33.88
			<i>For Work In Restricted Working Space, Add</i> .....15.24		



	Plumbing	22
	Plumbing Piping	22 10
	Facility Sanitary Sewerage	22 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0801	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	162.77 19.51	43.36
22 13 16 00-0802	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	248.43 26.22	58.26
22 13 16 00-0803	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	407.26 27.34	60.75
22 13 16 00-0804			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small>		
22 13 16 00-0805	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	139.44 18.09	40.10
22 13 16 00-0806	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	262.61 22.56	50.13
22 13 16 00-0807	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	197.07 23.98	53.25
22 13 16 00-0808	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	350.32 26.83	59.61
22 13 16 00-0809	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	379.39 29.06	64.49
22 13 16 00-0810			Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small>		
22 13 16 00-0811	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	263.65 26.01	57.72
22 13 16 00-0812	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	524.63 34.96	77.64
22 13 16 00-0813			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small>		
22 13 16 00-0814	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	219.61 23.17	51.49
22 13 16 00-0815	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	502.76 30.49	67.74
22 13 16 00-0816			Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <small>(22 13 16 00-0730)</small>		
22 13 16 00-0817	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	139.27 15.24	33.88
22 13 16 00-0818	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	176.02 19.51	43.36
22 13 16 00-0819	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	278.04 26.22	58.26
22 13 16 00-0820	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	457.99 30.49	67.74
22 13 16 00-0821			Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0730)</small>		
22 13 16 00-0822	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	64.20 10.16	22.63
22 13 16 00-0823	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	92.30 13.01	28.86
22 13 16 00-0824	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	133.47 17.48	38.75
22 13 16 00-0825	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	244.80 20.32	45.12
22 13 16 00-0826	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	574.16 26.42	58.67
22 13 16 00-0827			Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <small>(22 13 16 00-0730)</small>		
22 13 16 00-0828	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	44.33 10.16	22.63
22 13 16 00-0829	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	54.38 13.01	28.86
22 13 16 00-0830	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	88.24 17.48	38.75
22 13 16 00-0831	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	117.17 20.32	45.12
22 13 16 00-0832	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	332.37 26.42	58.67
22 13 16 00-0833			Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <small>(22 13 16 00-0730)</small>		
22 13 16 00-0834	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	65.11 11.58	25.74
22 13 16 00-0835	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	130.07 13.82	30.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0836 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	121.25	33.88
<i>For Work In Restricted Working Space, Add</i>	15.24	
22 13 16 00-0837 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	194.49	36.99
<i>For Work In Restricted Working Space, Add</i>	16.67	
22 13 16 00-0838 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	208.36	42.00
<i>For Work In Restricted Working Space, Add</i>	18.90	
22 13 16 00-0839 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0730)		
22 13 16 00-0840 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	102.18	33.88
<i>For Work In Restricted Working Space, Add</i>	15.24	
22 13 16 00-0841 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	148.18	43.36
<i>For Work In Restricted Working Space, Add</i>	19.51	
22 13 16 00-0842 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	468.23	58.26
<i>For Work In Restricted Working Space, Add</i>	26.22	
22 13 16 00-0843 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	881.86	67.74
<i>For Work In Restricted Working Space, Add</i>	30.49	
22 13 16 00-0844 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0730)		
22 13 16 00-0845 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges.....	139.47	45.12
<i>For Work In Restricted Working Space, Add</i>	20.32	
22 13 16 00-0846 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges.....	130.27	42.00
<i>For Work In Restricted Working Space, Add</i>	18.90	
22 13 16 00-0847 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0730)		
22 13 16 00-0848 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	30.27	11.24
<i>For Work In Restricted Working Space, Add</i>	5.08	
22 13 16 00-0849 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	45.31	14.49
<i>For Work In Restricted Working Space, Add</i>	6.50	
22 13 16 00-0850 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	98.00	19.37
<i>For Work In Restricted Working Space, Add</i>	8.74	
22 13 16 00-0851 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	186.24	22.63
<i>For Work In Restricted Working Space, Add</i>	10.16	
22 13 16 00-0852 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0730)		
22 13 16 00-0853 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	49.63	25.74
<i>For Work In Restricted Working Space, Add</i>	11.58	
22 13 16 00-0854 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	105.52	30.62
<i>For Work In Restricted Working Space, Add</i>	13.82	
22 13 16 00-0855 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	88.59	33.88
<i>For Work In Restricted Working Space, Add</i>	15.24	
22 13 16 00-0856 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	192.58	36.99
<i>For Work In Restricted Working Space, Add</i>	16.67	
22 13 16 00-0857 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	142.41	42.00
<i>For Work In Restricted Working Space, Add</i>	18.90	
22 13 16 00-0858 EA 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	381.23	46.53
<i>For Work In Restricted Working Space, Add</i>	20.96	
22 13 16 00-0859 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings (22 13 16 00-0730)		
22 13 16 00-0860 EA 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	123.33	22.63
<i>For Work In Restricted Working Space, Add</i>	10.16	
22 13 16 00-0861 EA 2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	138.77	28.86
<i>For Work In Restricted Working Space, Add</i>	13.01	
22 13 16 00-0862 EA 3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	159.64	38.75
<i>For Work In Restricted Working Space, Add</i>	17.48	
22 13 16 00-0863 EA 4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	175.08	45.12
<i>For Work In Restricted Working Space, Add</i>	20.32	
22 13 16 00-0864 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe (22 13 16 00-0717)		
Note: In place piping.		
22 13 16 00-0865 EA 1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	9.93	
22 13 16 00-0866 EA 2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	10.93	
22 13 16 00-0867 EA 3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	13.90	
22 13 16 00-0868 EA 4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	18.76	
22 13 16 00-0869 EA 6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	26.81	
22 13 16 00-0870 Elastomeric Flexible Pipe Couplings (22 13 16)		
22 13 16 00-0871 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings (22 13 16 00-0870)		
Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872 EA 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125).....	16.21	5.88
<i>For Work In Restricted Working Space, Add</i>	3.53	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0873	EA		1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150) <i>For Work In Restricted Working Space, Add</i>	17.43 3.75	6.25
22 13 16 00-0874	EA		2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)..... <i>For Work In Restricted Working Space, Add</i>	18.34 3.97	6.63
22 13 16 00-0875	EA		3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)..... <i>For Work In Restricted Working Space, Add</i>	20.87 4.19	6.99
22 13 16 00-0876	EA		4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)..... <i>For Work In Restricted Working Space, Add</i>	23.34 4.42	7.36
22 13 16 00-0877	EA		5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)..... <i>For Work In Restricted Working Space, Add</i>	28.97 4.64	7.72
22 13 16 00-0878	EA		6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)..... <i>For Work In Restricted Working Space, Add</i>	34.64 4.86	8.09
22 13 16 00-0879	EA		8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)..... <i>For Work In Restricted Working Space, Add</i>	46.03 5.30	8.83
22 13 16 00-0880	EA		10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)..... <i>For Work In Restricted Working Space, Add</i>	60.04 6.18	10.31
22 13 16 00-0881			Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings <small>(22 13 16 00-0870)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0882	EA		1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125) <i>For Work In Restricted Working Space, Add</i>	17.25 3.75	6.25
22 13 16 00-0883	EA		2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215) <i>For Work In Restricted Working Space, Add</i>	18.63 3.97	6.63
22 13 16 00-0884	EA		3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315) <i>For Work In Restricted Working Space, Add</i>	22.29 4.19	6.99
22 13 16 00-0885	EA		3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32) <i>For Work In Restricted Working Space, Add</i>	20.35 4.19	6.99
22 13 16 00-0886	EA		4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415) <i>For Work In Restricted Working Space, Add</i>	26.84 4.42	7.36
22 13 16 00-0887	EA		4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42) <i>For Work In Restricted Working Space, Add</i>	25.85 4.42	7.36
22 13 16 00-0888	EA		4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43) <i>For Work In Restricted Working Space, Add</i>	24.01 4.42	7.36
22 13 16 00-0889	EA		5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53) <i>For Work In Restricted Working Space, Add</i>	33.30 4.64	7.72
22 13 16 00-0890	EA		5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54) <i>For Work In Restricted Working Space, Add</i>	30.48 4.64	7.72
22 13 16 00-0891	EA		6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63) <i>For Work In Restricted Working Space, Add</i>	40.46 4.86	8.09
22 13 16 00-0892	EA		6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64) <i>For Work In Restricted Working Space, Add</i>	36.24 4.86	8.09
22 13 16 00-0893	EA		6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65) <i>For Work In Restricted Working Space, Add</i>	37.42 4.86	8.09
22 13 16 00-0894	EA		8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84) <i>For Work In Restricted Working Space, Add</i>	72.85 8.83	14.72
22 13 16 00-0895	EA		8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86) <i>For Work In Restricted Working Space, Add</i>	61.15 8.83	14.72
22 13 16 00-0896	EA		10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8) <i>For Work In Restricted Working Space, Add</i>	76.31 9.93	16.56
22 13 16 00-0897			Elastomeric Flexible Pipe Caps (Fernco QC) <small>(22 13 16)</small> Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0898	EA		1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101).....	63.57	39.73
22 13 16 00-0899	EA		2" Elastomeric Flexible Pipe Cap (Fernco QC-102).....	68.06	42.24
22 13 16 00-0900	EA		3" Elastomeric Flexible Pipe Cap (Fernco QC-103).....	78.63	48.42
22 13 16 00-0901	EA		4" Elastomeric Flexible Pipe Cap (Fernco QC-104).....	103.84	64.01
22 13 16 00-0902	EA		5" Elastomeric Flexible Pipe Cap (Fernco QC-105).....	124.36	76.52
22 13 16 00-0903	EA		6" Elastomeric Flexible Pipe Cap (Fernco QC-106).....	143.78	88.30
22 13 16 00-0904	EA		8" Elastomeric Flexible Pipe Cap (Fernco QC-108).....	190.66	111.84
22 13 16 00-0905	EA		10" Elastomeric Flexible Pipe Cap (Fernco QC-110).....	230.42	125.08
22 13 16 00-0906	EA		12" Elastomeric Flexible Pipe Cap (Fernco QC-112).....	285.05	139.07
22 13 16 00-0907			Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) <small>(22 13 16)</small>		
22 13 16 00-0908	EA		1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	110.79	30.49
22 13 16 00-0909	EA		2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	117.56	33.88
22 13 16 00-0910	EA		3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	173.48	44.03
22 13 16 00-0911	EA		4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	203.05	50.81
22 13 16 00-0912	EA		5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	236.15	57.58
22 13 16 00-0913	EA		6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	384.93	64.36
22 13 16 00-0914			Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) <small>(22 13 16)</small>		
22 13 16 00-0915	EA		1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	216.48	30.49
22 13 16 00-0916	EA		2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	223.25	33.88



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0917	EA		3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	266.83	44.03
22 13 16 00-0918	EA		4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	332.20	50.81
22 13 16 00-0919	EA		5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	449.42	57.58
22 13 16 00-0920	EA		6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	462.97	64.36
22 13 16 00-0921			Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) (22 13 16)		
			Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		
22 13 16 00-0922	EA		1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	402.35	30.49
22 13 16 00-0923	EA		2" Cast Iron Vandal Proof Hooded Vent Cap.....	409.12	33.88
22 13 16 00-0924	EA		3" Cast Iron Vandal Proof Hooded Vent Cap.....	472.12	44.03
22 13 16 00-0925	EA		4" Cast Iron Vandal Proof Hooded Vent Cap.....	531.90	50.81
22 13 16 00-0926	EA		5" Cast Iron Vandal Proof Hooded Vent Cap.....	620.13	57.58
22 13 16 00-0927	EA		6" Cast Iron Vandal Proof Hooded Vent Cap.....	678.13	64.36
22 13 19			Sanitary Waste Piping Specialties (22 13)		
22 13 19 13			Sanitary Drains (22 13 19)		
22 13 19 13-0001			Round Top Floor Drains (22 13 19 13)		
22 13 19 13-0002	EA		Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet.....	886.10	145.65
			For Galvanized Cast Iron Parts, Add	105.00	
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0003	EA		Bronze Top, 6" Round Top Floor Drain With 2" Outlet.....	974.50	163.26
			For Galvanized Cast Iron Parts, Add	105.00	
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0004	EA		Bronze Top, 6" Round Top Floor Drain With 3" Outlet.....	956.15	180.60
			For Galvanized Cast Iron Parts, Add	105.00	
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0005	EA		Bronze Top, 6" Round Top Floor Drain With 4" Outlet.....	993.35	199.30
			For Galvanized Cast Iron Parts, Add	105.00	
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0006	EA		Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet.....	893.91	163.26
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0007	EA		Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet.....	928.74	180.60
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0008	EA		Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet.....	965.94	199.30
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0009	EA		Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet.....	1,458.61	163.26
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0010	EA		Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet.....	1,493.44	180.60
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	



	Plumbing	22
	Plumbing Piping	22 10
	Facility Sanitary Sewerage	22 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0011	EA		Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,530.64	199.30
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0012	EA		Bronze Top, 9" Round Top Floor Drain With 2" Outlet.....	1,376.37	163.26
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0013	EA		Bronze Top, 9" Round Top Floor Drain With 3" Outlet.....	1,411.01	180.60
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0014	EA		Bronze Top, 9" Round Top Floor Drain With 4" Outlet.....	1,448.40	199.30
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0015	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,507.80	163.13
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0016	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,542.59	180.60
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0017	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,579.98	199.30
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0018	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,352.10	163.13
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0019	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,386.89	180.60
			For Chained Grate, Add	48.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0020	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,424.28	199.30
			For Chained Grate, Add	48.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0021	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,239.71	163.13
			For Chained Grate, Add	48.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0022	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,274.50	180.60
			For Chained Grate, Add	48.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0023	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,311.89	199.30
			For Chained Grate, Add	48.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Bronze Dome Grate, Add	218.50	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0024			Square Or Rectangular Top Drains <small>(22 13 19 13)</small>		
22 13 19 13-0025	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,050.01	163.13
			For Galvanized Cast Iron Parts, Add	105.00	
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0026	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,085.18	180.74
			For Galvanized Cast Iron Parts, Add	105.00	
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0027	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,122.19	199.30
			For Galvanized Cast Iron Parts, Add	105.00	
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0028	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,132.25	163.13
			For Galvanized Cast Iron Parts, Add	105.00	
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0029	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,167.42	180.74
			For Galvanized Cast Iron Parts, Add	105.00	
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0030	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,204.43	199.30
			For Galvanized Cast Iron Parts, Add	105.00	
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0031	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,494.09	163.13
			For Galvanized Cast Iron Parts, Add	105.00	
			For Sediment Bucket, Add	22.50	
			For Vandal Proof Screws, Add	11.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0032	EA			8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,529.26	180.74
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0033	EA			8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,566.27	199.30
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0034	EA			5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top.....	989.70	163.13
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0035	EA			5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,024.87	180.74
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0036	EA			5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,061.88	199.30
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0037	EA			6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,093.87	163.13
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0038	EA			6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,129.04	180.74
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0039	EA			6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,166.05	199.30
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0040	EA			8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,387.18	163.13
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0041	EA			8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,422.35	180.74
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0042	EA			8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,459.36	199.30
				<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0043	EA			12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top.....	3,538.60	180.74
				<i>For Chained Grate, Add</i>	48.50	
				<i>For No-Hub Side Outlet, Add</i>	76.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
22 13 19 13-0044	EA			12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top.....	3,575.61	199.30
				<i>For Chained Grate, Add</i>	48.50	
				<i>For No-Hub Side Outlet, Add</i>	76.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
22 13 19 13-0045	EA			12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top.....	4,432.25	180.74
				<i>For Chained Grate, Add</i>	48.50	
				<i>For No-Hub Side Outlet, Add</i>	76.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
22 13 19 13-0046	EA			12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top.....	4,469.26	199.30
				<i>For Chained Grate, Add</i>	48.50	
				<i>For No-Hub Side Outlet, Add</i>	76.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
22 13 19 13-0047	EA			12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top.....	4,325.34	180.74
				<i>For Chained Grate, Add</i>	48.50	
				<i>For No-Hub Side Outlet, Add</i>	76.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
22 13 19 13-0048	EA			12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top.....	4,362.35	199.30
				<i>For Chained Grate, Add</i>	48.50	
				<i>For No-Hub Side Outlet, Add</i>	76.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
22 13 19 13-0049	EA			5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,516.02	163.13
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0050	EA			5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,551.19	180.74
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0051	EA			5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,588.20	199.30
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0052	EA			5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,940.92	163.13
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0053	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,976.09	180.74
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0054	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	2,013.10	199.30
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0055	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	2,039.60	163.13
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0056	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	2,074.77	180.74
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0057	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	2,111.78	199.30
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0058	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	2,804.41	163.13
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0059	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	2,839.58	180.74
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0060	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	2,876.59	199.30
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0061	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,428.30	163.13
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0062	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,463.47	180.74
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0063	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,500.48	199.30
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0064	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,790.15	163.13
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0065	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,825.32	180.74
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0066	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,862.33	199.30
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0067	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,888.83	163.13
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0068	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,924.00	180.74
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0069	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,961.01	199.30
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0070	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top.....	2,511.10	163.13
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0071	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top.....	2,546.27	180.74
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0072	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top.....	2,583.28	199.30
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	

22 13 19 13-0073 Funnel Type Floor Drains (22 13 19 13)



	Plumbing	22
	Plumbing Piping	22 10
	Facility Sanitary Sewerage	22 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0074	EA		7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top.....	1,428.99	145.65
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0075	EA		7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top.....	1,463.94	163.13
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0076	EA		7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top.....	1,498.73	180.60
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0077	EA		7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top.....	1,536.12	199.30
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0078	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top.....	2,080.72	163.13
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0079	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top.....	2,115.51	180.60
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0080	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top.....	2,152.90	199.30
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0081	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top.....	1,973.81	163.13
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0082	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top.....	2,008.60	180.60
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0083	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top.....	2,045.99	199.30
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0084			Floor Drain With Sediment Bucket Bottom Outlet (22 13 19 13)		
22 13 19 13-0085	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,996.86	145.65
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,031.93	163.13
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,066.72	180.60
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0088	EA		12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,104.11	199.30
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0089	EA		12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,142.67	218.54
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0090	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,240.27	163.13
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0091	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,275.44	180.74
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0092	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,312.45	199.30
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0093	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Gate.....	3,351.01	218.54
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Gate.....	2,003.96	163.13
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Gate.....	2,039.13	180.74
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0096	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Gate.....	2,076.14	199.30
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0097	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Gate.....	2,114.70	218.54
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0098	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Gate.....	3,026.45	163.13
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0099	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Gate.....	3,061.62	180.74
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0100	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Gate.....	3,098.63	199.30
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0101	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Gate.....	3,137.19	218.54
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0102			Other Drains (22 13 19 13)		
22 13 19 13-0103			Shower Drains (22 13 19 13-0102)		
22 13 19 13-0104	EA		4-1/4" Stainless Steel Shower Drain Strainer.....	54.82	14.72
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0105	EA		4-1/4" Brass Shower Drain Strainer.....	60.55	14.72
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0106	EA		4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe.....	127.74	29.43
			Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107	EA		4" Chrome Finish, Threaded Brass Shower Drain And Gasket.....	160.63	29.43
			Note: For 2" pipe. Kohler K-9132.		
22 13 19 13-0108			Acid Resistant Floor Drains (22 13 19 13-0102)		
22 13 19 13-0109	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,439.83	145.65
			For Galvanized Cast Iron Parts, Add	87.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0110	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	1,474.90	163.13
			For Galvanized Cast Iron Parts, Add	87.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0111	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	1,509.69	180.60
			For Galvanized Cast Iron Parts, Add	87.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0112			Rotary And Lever Drains (22 13 19 13-0102)		



MINOR	TOTAL DIRECT	DEMOLITION		
CSI UOM DESCRIPTION	UNIT COST	UNIT COST		
22 13 19 13-0113 EA	Lever Drain, 1-1/2" Drain, 3" Sink Opening.....	294.70		98.23
22 13 19 13-0114 EA	Lever Drain, 2" Drain, 3" Sink Opening.....	315.02		108.39
22 13 19 13-0115 EA	Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening.....	294.70		98.23
22 13 19 13-0116 EA	Lever Drain, 2" Drain, 3-1/2" Sink Opening.....	315.02		108.39
22 13 19 13-0117 EA	Twist Drain, 1-1/2" Drain, 3" Sink Opening.....	294.70		98.23
22 13 19 13-0118 EA	Twist Drain, 2" Drain, 3" Sink Opening.....	315.02		108.39
22 13 19 13-0119 EA	Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening.....	294.70		98.23
22 13 19 13-0120 EA	Twist Drain, 2" Drain, 3-1/2" Sink Opening.....	315.02		108.39
22 13 19 13-0121 EA	Rotary Twist Drain, 1-1/2"-2" Drain, 3-1/2" Sink Opening (Fisher 16100).....	390.83		108.39
22 13 19 13-0122	Floor Receptor <small>(22 13 19 13)</small>			
22 13 19 13-0123	9" Diameter Round Shallow Receptor <small>(22 13 19 13-0122)</small>			
	Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.			
22 13 19 13-0124 EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection.....	1,762.96		163.26
	<i>For Flange With Seepage Holes, Add</i>	58.50		
	<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00		
	<i>For Trap Primer Connection, Add</i>	38.00		
	<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00		
	<i>For Vandal Proof Secured Grate, Add</i>	33.50		
	<i>For White Acid Resistant Bucket, Add</i>	47.00		
	<i>For Stainless Steel Liner For Bucket, Add</i>	62.50		
22 13 19 13-0125 EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection.....	1,798.29		180.87
	<i>For Flange With Seepage Holes, Add</i>	58.50		
	<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00		
	<i>For Trap Primer Connection, Add</i>	38.00		
	<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00		
	<i>For Vandal Proof Secured Grate, Add</i>	33.50		
	<i>For White Acid Resistant Bucket, Add</i>	47.00		
	<i>For Stainless Steel Liner For Bucket, Add</i>	62.50		
22 13 19 13-0126 EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection.....	1,834.92		199.30
	<i>For Flange With Seepage Holes, Add</i>	58.50		
	<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00		
	<i>For Trap Primer Connection, Add</i>	38.00		
	<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00		
	<i>For Vandal Proof Secured Grate, Add</i>	33.50		
	<i>For White Acid Resistant Bucket, Add</i>	47.00		
	<i>For Stainless Steel Liner For Bucket, Add</i>	62.50		
22 13 19 13-0127	Square Top Floor Receptors <small>(22 13 19 13-0122)</small>			
	Note: With acid resistant coating.			
22 13 19 13-0128 EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top.....	2,067.70		145.65
	<i>For Flange With Seepage Holes, Add</i>	37.50		
	<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00		
	<i>For Trap Primer Connection, Add</i>	39.50		
	<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00		
	<i>For Vandal Proof Secured Grate, Add</i>	15.50		
	<i>For White Acid Resistant Bucket, Add</i>	88.00		
	<i>For Stainless Steel Liner For Bucket, Add</i>	97.00		
22 13 19 13-0129 EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	2,102.80		163.26
	<i>For Flange With Seepage Holes, Add</i>	37.50		
	<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00		
	<i>For Trap Primer Connection, Add</i>	39.50		
	<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00		
	<i>For Vandal Proof Secured Grate, Add</i>	15.50		
	<i>For White Acid Resistant Bucket, Add</i>	88.00		
	<i>For Stainless Steel Liner For Bucket, Add</i>	97.00		
22 13 19 13-0130 EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	2,137.44		180.60
	<i>For Flange With Seepage Holes, Add</i>	37.50		
	<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00		
	<i>For Trap Primer Connection, Add</i>	39.50		
	<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00		
	<i>For Vandal Proof Secured Grate, Add</i>	15.50		
	<i>For White Acid Resistant Bucket, Add</i>	88.00		
	<i>For Stainless Steel Liner For Bucket, Add</i>	97.00		
22 13 19 13-0131 EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	2,174.83		199.30
	<i>For Flange With Seepage Holes, Add</i>	37.50		
	<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00		
	<i>For Trap Primer Connection, Add</i>	39.50		
	<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00		
	<i>For Vandal Proof Secured Grate, Add</i>	15.50		
	<i>For White Acid Resistant Bucket, Add</i>	88.00		
	<i>For Stainless Steel Liner For Bucket, Add</i>	97.00		
22 13 19 13-0132	Floor Drain Accessories <small>(22 13 19 13)</small>			
22 13 19 13-0133 EA	3" Trap Guard Floor Drain Insert (ProVent TG3H).....	115.13		16.94
	Note: Prevents emission of sewer gases.			
22 13 19 13-0134 EA	2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22).....	94.82		16.94
	Note: Prevents emission of sewer gases.			
22 13 19 13-0135 EA	3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33).....	102.94		16.94
	Note: Prevents emission of sewer gases.			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0136	EA		3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	123.25	16.94
			Note: Prevents emission of sewer gases.		
22 13 19 13-0137	EA		3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	111.07	16.94
			Note: Prevents emission of sewer gases.		
22 13 19 13-0138	EA		2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02)	155.98	16.94
			Note: Prevents emission of sewer gases.		
22 13 19 13-0139	EA		3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03)	172.32	16.94
			Note: Prevents emission of sewer gases.		
22 13 19 13-0140	EA		4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04)	212.89	16.94
			Note: Prevents emission of sewer gases.		
22 13 19 26			Grease Removal Devices (22 13 19)		
22 13 19 26-0001			Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)		
			Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002			Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)		
			Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA		7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,317.39	101.62
			Note: Josam 60102H.		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,361.63	
22 13 19 26-0004	EA		10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,534.45	228.64
			Note: Josam 60103H.		
			<i>For Flange And Clamp Device, Add</i>	412.59	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,442.08	
22 13 19 26-0005	EA		15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	2,159.25	254.04
			Note: Josam 60104H.		
			<i>For Flange And Clamp Device, Add</i>	429.52	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,575.96	
22 13 19 26-0006	EA		20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	2,600.88	279.44
			Note: Josam 60105H.		
			<i>For Flange And Clamp Device, Add</i>	446.46	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,704.40	
22 13 19 26-0007	EA		25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	2,909.87	304.85
			Note: Josam 60106H.		
			<i>For Flange And Clamp Device, Add</i>	493.79	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,778.13	
22 13 19 26-0008	EA		35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	3,568.54	355.66
			Note: Josam 60107H.		
			<i>For Flange And Clamp Device, Add</i>	538.86	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,961.41	
22 13 19 26-0009	EA		50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	4,639.90	406.46
			Note: Josam 60108H.		
			<i>For Flange And Clamp Device, Add</i>	613.70	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,097.66	
22 13 19 26-0010	EA		75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	9,031.58	457.27
			Note: Josam 60109H.		
			<i>For Flange And Clamp Device, Add</i>	848.85	
22 13 19 26-0011	EA		100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	10,191.60	537.74
			Note: Josam 60110H.		
			<i>For Flange And Clamp Device, Add</i>	966.49	
22 13 19 26-0012	EA		150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	12,614.28	860.38
			Note: Josam 60213A.		
			<i>For Flange And Clamp Device, Add</i>	1,341.59	
22 13 19 26-0013	EA		200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	18,069.30	1,075.48
			Note: Josam 60214A.		
			<i>For Flange And Clamp Device, Add</i>	1,614.27	
22 13 19 26-0014	EA		250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	21,085.49	1,290.57
			Note: Josam 60215A.		
			<i>For Flange And Clamp Device, Add</i>	2,070.62	
22 13 19 26-0015	EA		350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	27,363.06	1,505.67
			Note: Josam 60216A.		
			<i>For Flange And Clamp Device, Add</i>	2,451.78	
22 13 19 26-0016	EA		500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	35,355.17	1,720.76
			Note: Josam 60217A.		
			<i>For Flange And Clamp Device, Add</i>	2,868.46	
22 13 19 26-0017			Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)		
			Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA		20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	3,712.57	279.44
			Note: Josam 60115A.		
22 13 19 26-0019	EA		35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	4,774.98	355.66
			Note: Josam 60117A.		
22 13 19 26-0020	EA		50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	7,828.99	406.46
			Note: Smith 8150.		
22 13 19 26-0021			Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)		
			Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0022 Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor						
<small>(22 13 19 26-0021)</small>						
Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.						
	22 13 19 26-0023	EA		7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	3,251.62	101.62
	<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>				1,361.63	
	22 13 19 26-0024	EA		10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	3,820.99	228.64
	<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>				1,442.08	
	22 13 19 26-0025	EA		15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	4,085.06	254.04
	<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>				1,575.96	
	22 13 19 26-0026	EA		20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	4,977.26	279.44
	<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>				1,704.40	
	22 13 19 26-0027	EA		25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	5,991.58	304.85
	<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>				1,778.13	
	22 13 19 26-0028	EA		35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	6,206.00	355.66
	<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>				1,961.41	
	22 13 19 26-0029	EA		50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	7,084.35	406.46
	<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>				2,097.66	
22 13 19 26-0030 Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor						
<small>(22 13 19 26-0021)</small>						
Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.						
	22 13 19 26-0031	EA		35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A-SA.	8,305.85	355.66
22 13 19 26-0032 Automatic Cleaning Stainless Steel Grease Interceptor						
<small>(22 13 19 26)</small>						
	22 13 19 26-0033	EA		20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Low Engineering 20 Greasestopper).	7,131.67	279.44
	22 13 19 26-0034	EA		25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Low Engineering 25 Greasestopper).	8,279.29	304.85
	22 13 19 26-0035	EA		35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,121.90	355.66
22 13 19 26-0036 Precast Concrete Grease Interceptor						
<small>(22 13 19 26)</small>						
Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.						
	22 13 19 26-0037	EA		1,000 Gallon Pre-Cast Grease Interceptor.....	6,899.12	471.61
	22 13 19 26-0038	EA		1,250 Gallon Pre-Cast Grease Interceptor.....	7,899.12	471.61
	22 13 19 26-0039	EA		1,500 Gallon Pre-Cast Grease Interceptor.....	8,965.05	539.16
	22 13 19 26-0040	EA		2,000 Gallon Pre-Cast Grease Interceptor.....	10,189.82	761.42
	22 13 19 26-0041	EA		2,500 Gallon Pre-Cast Grease Interceptor.....	11,459.31	1,024.43
	22 13 19 26-0042	EA		4,000 Gallon Pre-Cast Grease Interceptor.....	17,203.27	1,347.82
	22 13 19 26-0043	EA		5,000 Gallon Pre-Cast Grease Interceptor.....	22,046.67	2,210.22
22 13 19 26-0044 Coated Steel Manual Oil Interceptor						
<small>(22 13 19 26)</small>						
Note: Includes internal air relief, and flow control fitting.						
	22 13 19 26-0045	EA		10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	5,159.82	387.03
	22 13 19 26-0046	EA		15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	6,937.56	459.88
	22 13 19 26-0047	EA		20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	8,402.45	565.84
	22 13 19 26-0048	EA		25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	9,125.43	612.92
	22 13 19 26-0049	EA		35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	10,938.74	668.84
	22 13 19 26-0050	EA		50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	14,388.55	735.80
	22 13 19 26-0051	EA		75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	24,064.75	846.80
	22 13 19 26-0052	EA		100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	26,335.41	1,041.90
	22 13 19 26-0053	EA		150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	32,301.85	1,129.29
	22 13 19 26-0054	EA		200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	45,156.86	1,354.87
	22 13 19 26-0055	EA		250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	52,069.79	1,456.49
	22 13 19 26-0056	EA		350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	65,577.02	1,736.95
	22 13 19 26-0057	EA		400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	79,036.78	1,423.30
	22 13 19 26-0058	EA		500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	93,629.56	1,693.60
22 13 19 33 Backwater Valves						
<small>(22 13 19)</small>						
22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves						
<small>(22 13 19 33)</small>						
	22 13 19 33-0002	EA		2" Cast Iron Body Terminal Backwater Valve	359.03	38.88
	22 13 19 33-0003	EA		3" Cast Iron Body Terminal Backwater Valve	373.93	48.91
	22 13 19 33-0004	EA		4" Cast Iron Body Terminal Backwater Valve	535.89	65.03
	22 13 19 33-0005	EA		6" Cast Iron Body Terminal Backwater Valve	1,380.37	84.93
	22 13 19 33-0006	EA		8" Cast Iron Body Terminal Backwater Valve	1,692.52	111.77
	22 13 19 33-0007	EA		10" Cast Iron Body Terminal Backwater Valve	4,790.16	137.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0008 EA 12" Cast Iron Body Terminal Backwater Valve	5,439.42	178.84
22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve <small>(22 13 19 33)</small>		
Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010 EA 2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	905.46	92.71
22 13 19 33-0011 EA 3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,356.24	112.46
22 13 19 33-0012 EA 4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,682.86	144.98
22 13 19 33-0013 EA 6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,308.21	154.30
22 13 19 33-0014 EA 8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	3,174.96	182.84
22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve <small>(22 13 19 33)</small>		
Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016 EA 3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,339.11	146.74
22 13 19 33-0017 EA 4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,411.73	195.10
22 13 19 33-0018 EA 5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	3,463.35	228.53
22 13 19 33-0019 EA 6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	3,503.07	254.77
22 13 19 33-0020 Polyvinyl Chloride (PVC) Backwater Sewer Line Valve <small>(22 13 19 33)</small>		
Note: Oatey.		
22 13 19 33-0021 EA 3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	152.72	48.91
22 13 19 33-0022 EA 4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	185.10	65.03
22 13 19 33-0023 EA 6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	500.83	84.93
22 13 19 33-0024 Polyvinyl Chloride (PVC) Extendable Backwater Valves <small>(22 13 19 33)</small>		
22 13 19 33-0025 EA 3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	354.31	97.82
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0026 EA 4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	471.78	130.07
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0027 EA 6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	784.54	169.84
Note: Includes valve body, flapper assembly and collar.		
22 13 19 36 Air-Admittance Valves <small>(22 13 19)</small>		
22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent <small>(22 13 19 36)</small>		
22 13 19 36-0002 EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	205.83	18.97
22 13 19 36-0003 EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	244.50	18.97
22 13 23 Sanitary Waste Interceptors <small>(22 13)</small>		
22 13 23 00-0001 Sediment Bucket Solids Interceptors <small>(22 13 23)</small>		
22 13 23 00-0002 EA 1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180)	1,282.83	191.85
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0003 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184)	1,284.37	191.85
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0004 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARI0).....	1,787.75	191.85
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0005 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARI0).....	1,787.75	191.85
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0006 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030).....	1,901.70	191.85
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap <small>(22 13 23)</small>		
22 13 23 00-0008 EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	353.84	65.63
For Stainless Steel Bucket, Add	175.00	
22 13 23 00-0009 EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel	362.23	69.90
For Stainless Steel Bucket, Add	175.00	
22 13 23 00-0010 Sediment Strainers <small>(22 13 23)</small>		
22 13 23 00-0011 EA 2" Strainer, Pump Suction Side.....	199.25	89.54



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

22 13 29 Sanitary Sewerage Pumps (22 13)

Note: Includes extra set of gaskets, bearings and seals.

22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)

22 13 29 13-0001 Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-DeMing Series 4500) (22 13 29 13)

Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.

22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)

22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,772.35	1,625.30
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,988.81	1,625.30
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	7,205.27	1,625.30
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	7,411.74	1,625.30

22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)

22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,371.78	1,625.30
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,455.04	1,625.30
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,513.32	1,625.30
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,912.94	1,625.30
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	8,304.24	1,625.30
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	8,903.67	1,625.30
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,503.11	1,625.30
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	11,177.79	2,162.92

22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)

22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	7,788.94	1,625.30
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	7,788.94	1,625.30
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	7,933.19	1,625.30
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	9,052.40	1,625.30
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	9,248.73	1,625.30
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	11,246.85	2,162.92
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	11,746.38	2,162.92

22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)

22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	544.22	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	653.44	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	730.37	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	743.67	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	834.84	

22 13 29 13-0030 Float Switches (22 13 29 13-0001)

Note: Copper coated floats, brass rods and stops and switch brackets.

22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps.....	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps.....	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....	525.22	

22 13 29 13-0034 Square Or Round Steel Sump Covers (22 13 29 13-0001)

22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round.....	882.08	54.19
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round.....	976.65	60.97
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round.....	1,354.46	81.29
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round.....	1,960.37	94.84
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round.....	2,100.83	98.23
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round.....	2,245.71	101.62
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round.....	2,859.03	121.94
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round.....	3,866.10	135.49
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round.....	4,902.58	169.36
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round.....	6,225.56	186.29

22 13 29 16 Submersible Sewerage Pumps (22 13 29)

22 13 29 16-0001 Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)

22 13 29 16-0002 Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)

Note: Includes 25' cord.

22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,310.07	98.60
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,390.18	98.60
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,365.53	98.60
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,483.64	98.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0007 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,483.64	98.60
22 13 29 16-0008 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,588.04	123.24
22 13 29 16-0009 EA 1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,692.79	123.24
22 13 29 16-0010 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,706.15	123.24
22 13 29 16-0011 Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0011) Note: Includes 20' cord.		
22 13 29 16-0012 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,332.67	98.60
22 13 29 16-0013 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,447.70	98.60
22 13 29 16-0014 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,393.26	98.60
22 13 29 16-0015 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,504.18	98.60
22 13 29 16-0016 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,603.81	98.60
22 13 29 16-0017 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,524.36	123.24
22 13 29 16-0018 EA 1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,643.50	123.24
22 13 29 16-0019 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,642.47	123.24
22 13 29 16-0020 EA 1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,937.16	198.67
22 13 29 16-0021 EA 1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,037.81	198.67
22 13 29 16-0022 EA 1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,055.27	198.67
22 13 29 16-0023 EA 2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,107.94	242.82
22 13 29 16-0024 EA 2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,222.97	242.82
22 13 29 16-0025 EA 2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,226.05	242.82
22 13 29 16-0026 Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0026) Note: Includes 20' cord.		
22 13 29 16-0027 EA 1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,562.73	98.60
22 13 29 16-0028 EA 1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,757.87	98.60
22 13 29 16-0029 EA 1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	1,743.12	123.24
22 13 29 16-0030 EA 1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	1,861.23	123.24
22 13 29 16-0031 EA 1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,172.35	198.67
22 13 29 16-0032 EA 1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,290.46	198.67
22 13 29 16-0033 EA 2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,344.16	242.82
22 13 29 16-0034 EA 2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,462.27	242.82
22 13 29 16-0035 Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16) Note: Includes 25' of cord with pump.		
22 13 29 16-0036 EA 1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,944.49	123.24
22 13 29 16-0037 EA 1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,214.53	182.55
22 13 29 16-0038 EA 2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,533.89	223.11
22 13 29 16-0039 EA 3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,764.18	270.44
22 13 29 16-0040 EA 5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,353.72	317.76
22 13 29 16-0041 EA 7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,985.31	365.09
22 13 29 16-0042 Submersible Sewage Pumps, Explosion Proof (22 13 29 16) Note: Includes 25' of cord with pump.		
22 13 29 16-0043 EA 1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,436.67	441.62



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	5,957.58	441.62
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	5,957.58	441.62
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,822.91	588.82
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,343.83	588.82
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,343.83	588.82
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,307.96	736.03
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,828.87	736.03
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,828.87	736.03
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,700.18	883.24
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,221.10	883.24
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,221.10	883.24
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,538.57	1,030.45
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,059.48	1,030.45
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,059.48	1,030.45
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,908.83	1,177.66
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,908.83	1,177.66
22 13 29 16-0060		Submersible Sewage Pump Accessories <small>(22 13 29 16)</small>		
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light and alarm float switch.	666.37	110.93
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light, and alarm float switch.	685.99	110.93
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,308.48	147.91
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn and warning light. Control float switches not included.	1,810.90	147.91
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	3,958.50	147.91
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	4,137.50	147.91
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	6,582.47	184.87
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	5,564.21	184.87
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,463.88	184.87
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,601.26	184.87
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,541.40	184.87
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,665.21	184.87
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn and warning light. Float switches not included..	2,771.04	184.87
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure..... Note: Includes alarm horn, warning light and 15' tethered float.	541.41	73.95
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord..... Note: Not for use with Intrinsically Safe Control Systems.	117.13	36.98
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only.....	134.16	36.98
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord..... Note: Not for use with Intrinsically Safe Control Systems.	143.50	36.98
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only.....	147.81	36.98
22 13 29 16-0079	EA	Floot Switch Tree With (3) 15' Floats..... Note: Not for use with Intrinsically Safe Control Systems.	383.27	36.98
22 13 29 16-0080	EA	Floot Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only.....	422.18	36.98

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0081 EA Float Switch Tree And (4) Floats With 15' Cords Note: Not for use with Intrinsically Safe Control Systems.	424.11	36.98
22 13 29 16-0082 EA Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	477.73	36.98
22 13 29 16-0083 EA Float Switch Tree Note: Tree only.	214.98	36.98
22 13 29 16-0084 EA Adjustable Weight For Float Switch	62.85	18.48
22 13 29 16-0085 EA Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge Note: Lifting equipment not included.	1,083.20	110.93
22 13 29 16-0086 EA Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge Note: Lifting equipment not included.	1,682.15	147.91
22 13 29 16-0087 EA Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge Note: Lifting equipment not included.	2,192.01	184.87
22 13 29 16-0088 EA Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge.....	2,281.44	110.93
22 13 29 16-0089 EA Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge.....	3,196.15	110.93
22 13 29 16-0090 EA Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System	337.79	73.95
22 13 29 16-0091 EA Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems	571.78	92.44
22 13 29 16-0092 EA Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems	584.26	110.93
22 13 29 16-0093 EA 12' Stainless Steel Lifting Cable.....	166.85	36.98
22 13 29 16-0094 EA Disconnect Fitting For 2" Horizontal Discharge..... Note: Used for shallow systems where guide rails are not necessary.	307.73	36.98

22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)

22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)

22 13 29 33-0002 High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)

22 13 29 33-0003 EA 18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	143.85	
22 13 29 33-0004 EA 18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	181.68	
22 13 29 33-0005 EA 24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	384.08	
22 13 29 33-0006 EA 24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	530.60	
22 13 29 33-0007 EA 30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	677.10	
22 13 29 33-0008 EA 36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	784.80	

22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)

22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub.....	372.56	
22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub.....	742.13	
22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	1,321.47	
22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	1,773.11	
22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub.....	2,041.19	
22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub.....	2,155.93	
22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub.....	2,529.83	
22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub.....	2,936.42	

22 14 Facility Storm Drainage (22 10)

22 14 13 Facility Storm Drainage Piping (22 14)
 See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains (22 14)

22 14 26 13 Roof Drains (22 14 26)

22 14 26 13-0001 Cast Iron Roof Drains (22 14 26 13)

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)
 Note: Dome free area is 124 square inches.

22 14 26 13-0003 EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,032.47	225.86
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Bronze Dome, Add	448.80	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0004 EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,145.38	270.97
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Bronze Dome, Add	448.80	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0005 EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,258.28	338.72
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Bronze Dome, Add	448.80	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0006 EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,677.16	406.46
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Bronze Dome, Add	448.80	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	



	Plumbing	22
	Plumbing Piping	22 10
	Facility Storm Drainage	22 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26	13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,733.61 518.00 130.00 448.80 147.00 357.00	451.58
22 14 26	13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,026.39 518.00 130.00 448.80 147.00 357.00	474.20
22 14 26	13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,682.99 518.00 130.00 448.80 147.00 357.00	491.14
22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint <small>(22 14 26 13-0001)</small>					
Note: With polypropylene dome. Dome free area is 124 square inches.					
22 14 26	13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,575.80 518.00 130.00 147.00 357.00	225.86
22 14 26	13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,726.67 518.00 130.00 147.00 357.00	270.97
22 14 26	13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,913.48 518.00 130.00 147.00 357.00	338.72
22 14 26	13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,629.99 518.00 130.00 147.00 357.00	406.46
22 14 26	13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,824.27 518.00 130.00 147.00 357.00	451.58
22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top <small>(22 14 26 13-0001)</small>					
22 14 26	13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,110.34 197.00 130.00 147.00 357.00	225.86
22 14 26	13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,223.25 197.00 130.00 147.00 357.00	270.97
22 14 26	13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,336.15 197.00 130.00 147.00 357.00	338.72
22 14 26	13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,739.06 197.00 130.00 147.00 357.00	406.46
22 14 26	13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,795.51 197.00 130.00 147.00 357.00	451.58
22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate <small>(22 14 26 13-0001)</small>					
22 14 26	13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate <i>For Vandal Proof Grate, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,342.35 33.00 128.00	90.37
22 14 26	13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate <i>For Vandal Proof Grate, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,387.51 33.00 128.00	112.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0025 EA Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate.....	1,408.04	123.16
For Vandal Proof Grate, Add	33.00	
For Galvanized Cast Iron Parts, Add	128.00	
For Galvanized Iron Parts, Add	258.00	
22 14 26 13-0026 EA Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate.....	1,977.20	163.26
For Vandal Proof Grate, Add	33.00	
For Galvanized Iron Parts, Add	258.00	
22 14 26 13-0027 EA Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate.....	2,049.23	199.30
For Vandal Proof Grate, Add	33.00	
For Galvanized Iron Parts, Add	258.00	
22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate (22 14 26 13-0001)		
Note: Grate free area is 27 square inches.		
22 14 26 13-0029 EA 9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top.....	1,124.29	225.86
For Galvanized Iron Parts, Add	144.00	
For Deck Clamp Assembly, Add	80.40	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60	
22 14 26 13-0030 EA 9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top.....	1,237.20	270.97
For Galvanized Iron Parts, Add	144.00	
For Deck Clamp Assembly, Add	80.40	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60	
22 14 26 13-0031 EA 9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top.....	1,350.10	338.72
For Galvanized Iron Parts, Add	144.00	
For Deck Clamp Assembly, Add	80.40	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	93.60	
22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome (22 14 26 13-0001)		
22 14 26 13-0033 EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome.....	1,204.13	225.86
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0034 EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome.....	1,317.04	270.97
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0035 EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome.....	1,429.94	338.72
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0036 EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome.....	1,848.82	406.46
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0037 EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome.....	1,905.27	451.58
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0038 EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome.....	2,198.05	474.20
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0039 EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome.....	2,854.65	491.14
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0040 Aluminum Roof Drains (22 14 26 13)		
22 14 26 13-0041 Aluminum Dome Roof Drains (22 14 26 13-0040)		
22 14 26 13-0042 EA 15" Diameter Roof Drain With 2" Outlet, Aluminum Dome.....	1,234.07	225.86
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0043 EA 15" Diameter Roof Drain With 3" Outlet, Aluminum Dome.....	1,346.98	270.97
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0044 EA 15" Diameter Roof Drain With 4" Outlet, Aluminum Dome.....	1,459.88	338.72
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Storm Drainage	22 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0045 EA 15" Diameter Roof Drain With 6" Outlet, Aluminum Dome.....	1,935.21	451.17
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0046 EA 15" Diameter Roof Drain With 8" Outlet, Aluminum Dome.....	2,228.27	474.20
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0047 EA 15" Diameter Roof Drain With 10" Outlet, Aluminum Dome.....	2,884.60	491.14
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0048 Retrofit Roof Drains (22 14 26 13)		
22 14 26 13-0049 Retrofit Copolymer Roof Drains With Copolymer Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0050 EA Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	940.96	270.97
22 14 26 13-0051 EA Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	1,068.34	338.72
22 14 26 13-0052 EA Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	1,295.62	406.46
22 14 26 13-0053 EA Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	1,409.98	451.17
22 14 26 13-0054 Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0055 EA Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	1,071.26	270.97
22 14 26 13-0056 EA Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	1,192.85	338.72
22 14 26 13-0057 EA Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,428.82	406.46
22 14 26 13-0058 EA Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,502.64	451.17
22 14 26 13-0059 Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0060 EA Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	946.75	270.97
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0061 EA Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	1,074.13	338.72
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0062 EA Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	1,301.41	406.46
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0063 EA Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	1,369.44	451.17
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0064 Bronze Downspout Nozzles (22 14 26 13)		
22 14 26 13-0065 EA 2" Outlet, Bronze Roof Drain Downspout Nozzle	554.22	135.49
22 14 26 13-0066 EA 3" Outlet, Bronze Roof Drain Downspout Nozzle	554.22	135.49
22 14 26 13-0067 EA 4" Outlet, Bronze Roof Drain Downspout Nozzle	554.22	135.49
22 14 26 13-0068 EA 5" Outlet, Bronze Roof Drain Downspout Nozzle	848.69	169.36
22 14 26 13-0069 EA 6" Outlet, Bronze Roof Drain Downspout Nozzle	848.69	169.36
22 14 26 13-0070 EA 8" Outlet, Bronze Roof Drain Downspout Nozzle	1,086.12	169.36
22 14 26 16 Facility Area Drains (22 14 26)		
22 14 26 16-0001 Area Drain (22 14 26 16)		
22 14 26 16-0002 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,240.27	163.13
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0003 EA 12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,275.44	180.74
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0004 EA 12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,312.45	199.30
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0005 EA 12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,351.01	218.54
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	152.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0006 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,003.96	163.13
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0007 EA 12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,039.13	180.74
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0008 EA 12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,076.14	199.30
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0009 EA 12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,114.70	218.54
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0010 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,026.45	163.13
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0011 EA 12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,061.62	180.74
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0012 EA 12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,098.63	199.30
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0013 EA 12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,137.19	218.54
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0014 EA 16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,507.84	163.13
For Ductile Iron Grate, Add	123.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0015 EA 16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,543.01	180.74
For Ductile Iron Grate, Add	123.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0016 EA 16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,580.02	199.30
For Ductile Iron Grate, Add	123.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0017 EA 16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,618.58	218.54
For Ductile Iron Grate, Add	123.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0018 EA 16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,190.93	163.13
For Ductile Iron Grate, Add	123.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0019 EA 16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,226.10	180.74
For Ductile Iron Grate, Add	123.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0020 EA 16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,263.11	199.30
For Ductile Iron Grate, Add	123.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	258.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0021	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,301.67	218.54
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0022	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,170.66	163.13
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0023	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,205.83	180.74
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0024	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,242.84	199.30
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,281.40	218.54
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,458.46	163.13
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,493.63	180.74
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0028	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,530.64	199.30
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0029	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	893.76	163.13
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0030	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	928.93	180.74
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0031	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	965.94	199.30
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0032	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,376.22	163.13
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0033	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,411.39	180.74
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0034	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,448.40	199.30
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0035	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,344.99	163.13
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0036	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,380.16	180.74
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0037	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,417.17	199.30
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0038	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,834.56	163.13
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0039	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,869.73	180.74
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0040	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	2,906.74	199.30
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0041	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	4,081.83	163.13
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0042	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	4,117.00	180.74
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0043	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	4,154.01	199.30
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 19 Facility Trench Drains (22 14 26)					
22 14 26 19-0001 Trench Drain (22 14 26 19)					
Note: Each section is 39.4" in length.					
22 14 26 19-0002	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	1,175.56	163.13
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0003	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	1,210.73	180.74
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0004	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	1,247.74	199.30
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0005	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	736.96	163.13
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0006	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	772.13	180.74
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0007	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	809.14	199.30
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0008	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	1,115.80	163.13
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0009	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	1,150.97	180.74
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0010	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	1,187.98	199.30
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0011	EA		6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	1,011.72	81.29
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0012	EA		6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	573.12	81.29
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0013	EA		6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	951.96	81.29
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	



	Plumbing	22
	Plumbing Piping	22 10
	Facility Storm Drainage	22 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0014 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,832.01	163.13
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0015 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,867.18	180.74
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0016 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,904.19	199.30
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0017 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,289.31	163.13
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0018 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,324.48	180.74
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0019 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,361.49	199.30
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0020 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,757.79	163.13
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0021 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,792.96	180.74
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0022 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,829.97	199.30
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0023 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,542.82	163.13
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0024	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,577.99	180.74
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0025	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,615.00	199.30
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0026	EA		12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,668.15	81.29
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0027	EA		12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,125.45	81.29
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0028	EA		12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,593.93	81.29
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0029	EA		12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,378.96	81.29
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 29			Sump Pumps <small>(22 14)</small>		
			See CSI section 22 11 16 00-0000 for pipe extensions into well.		
22 14 29 13			Wet-Pit-Mounted, Vertical Sump Pumps <small>(22 14 29)</small>		
22 14 29 13-0001			Vertical Mounted Sump Pumps <small>(22 14 29 13)</small>		
			Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.		
22 14 29 13-0002	EA		1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head.....	5,234.18	393.08
			<i>For Explosion Proof Motor, Add</i>	282.58	
22 14 29 13-0003	EA		1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head.....	5,597.77	475.76
			<i>For Explosion Proof Motor, Add</i>	314.15	
22 14 29 13-0004	EA		2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head.....	6,419.33	565.23
			<i>For Explosion Proof Motor, Add</i>	405.84	
22 14 29 13-0005	EA		3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head.....	6,945.55	695.35
			<i>For Explosion Proof Motor, Add</i>	459.95	
22 14 29 13-0006	EA		5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head.....	7,357.47	753.63
			<i>For Explosion Proof Motor, Add</i>	671.89	
22 14 29 13-0007	EA		10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head.....	8,736.27	904.08
			<i>For Explosion Proof Motor, Add</i>	762.07	
22 14 29 13-0008	EA		15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head.....	10,087.49	936.41
			<i>For Explosion Proof Motor, Add</i>	1,249.08	
22 14 29 13-0009	EA		20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head.....	12,003.80	1,052.46
			<i>For Explosion Proof Motor, Add</i>	1,657.92	
22 14 29 13-0010	EA		30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head.....	13,049.12	1,227.43
			<i>For Explosion Proof Motor, Add</i>	2,149.43	
22 14 29 13-0011	EA		50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head.....	17,352.31	1,473.45
			<i>For Explosion Proof Motor, Add</i>	2,800.28	
22 14 29 13-0012	EA		60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head.....	23,649.82	1,636.58
			<i>For Explosion Proof Motor, Add</i>	4,438.65	
22 14 29 13-0013			Extra Column Assemblies <small>(22 14 29 13)</small>		
22 14 29 13-0014	EA		1-1/2" Diameter x 5' Long Extra Column Assembly	755.69	
22 14 29 13-0015	EA		2" Diameter x 5' Long Extra Column Assembly.....	826.90	
22 14 29 13-0016	EA		2-1/2" Diameter x 5' Long Extra Column Assembly	904.82	
22 14 29 13-0017	EA		3" Diameter x 5' Long Extra Column Assembly.....	1,086.42	
22 14 29 13-0018	EA		4" Diameter x 5' Long Extra Column Assembly.....	1,214.32	
22 14 29 13-0019	EA		5" Diameter x 5' Long Extra Column Assembly.....	1,236.43	
22 14 29 13-0020	EA		6" Diameter x 5' Long Extra Column Assembly.....	1,388.02	
22 14 29 13-0021	EA		8" Diameter x 5' Long Extra Column Assembly.....	1,518.82	
22 14 29 13-0022			Support Plate <small>(22 14 29 13)</small>		
22 14 29 13-0023	EA		24" Steel Support Plate, Round Or Square.....	882.08	54.19
22 14 29 13-0024	EA		30" Steel Support Plate, Round Or Square.....	976.65	60.97
22 14 29 13-0025	EA		36" Steel Support Plate, Round Or Square.....	1,354.46	81.29



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square.....	1,960.37	94.84
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square.....	2,100.83	98.23
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square.....	2,245.58	101.62
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square.....	2,859.03	121.94
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square.....	3,866.10	135.49
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square.....	5,159.69	169.36
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square.....	6,225.56	186.29
22 14 29 16	Submersible Sump Pumps (22 14 29)			
22 14 29 16-0001	Submersible Sump Pump With Vortex Impeller (22 14 29 16)			
22 14 29 16-0002	Submersible Sump Pump With Cast Iron Vortex Impeller (22 14 29 16-0001)			
22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	513.42	88.30
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	560.15	88.30
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	838.80	93.44
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	912.74	93.44
22 14 29 16-0007	Submersible Sump Pump With Bronze Vortex Impeller (22 14 29 16-0001)			
Note: Includes 20' of cord with pump.				
22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,354.34	93.44
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,465.77	93.44
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,544.48	103.01
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,663.61	103.01
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,723.16	117.72
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,840.24	117.72
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,861.11	139.80
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,962.78	139.80
22 14 29 16-0016	Submersible Sump Pump With Semi-Open Impeller (22 14 29 16)			
Note: Includes 20' of cord with pump.				
22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,132.31	88.30
22 14 29 16-0018	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,166.60	88.30
22 14 29 16-0019	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,441.73	93.44
22 14 29 16-0020	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,465.82	93.44
22 14 29 16-0021	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,746.51	98.60
22 14 29 16-0022	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,746.51	98.60
22 14 29 16-0023	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,846.48	103.01
22 14 29 16-0024	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	1,846.48	103.01
22 14 29 16-0025	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	2,107.48	117.72
22 14 29 16-0026	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	2,107.48	117.72
22 14 29 16-0027	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	2,451.78	139.80
22 14 29 16-0028	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	2,410.08	139.80
22 14 29 19	Sump-Pump Basins and Pits (22 14 29)			
See CSI section 22 13 29 33-0000 for basins and pits.				
22 15	General Service Compressed-Air Systems (22 10)			
22 15 13	General Service Compressed-Air Piping (22 15)			
See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.				
22 15 13 00-0001	Quick Disconnect, Air-Service (22 15 13)			
22 15 13 00-0002	Combination Steel And Brass (22 15 13 00-0001)			
22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	66.30	20.60
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	73.38	25.01

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0005			Refrigerated Air Dryers With Ambient Air Filters (22 15 13) Note: 120 Voltage, 1 Phase		
22 15 13 00-0006	EA		3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	823.14	117.37
22 15 13 00-0007	EA		5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	936.27	120.64
22 15 13 00-0008	EA		7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,096.24	123.90
22 15 13 00-0009	EA		10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,230.62	130.42
22 15 13 00-0010	EA		15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,594.48	146.72
22 15 13 00-0011	EA		20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,802.81	166.94
22 15 13 00-0012	EA		25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,023.61	189.11
22 15 13 00-0013	EA		30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,374.71	211.93
22 15 13 00-0014	EA		40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,753.54	247.80
22 15 13 00-0015	EA		50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,097.54	264.75
22 15 13 00-0016	EA		60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,633.62	293.44
22 15 13 00-0017	EA		75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,175.63	326.04
			<i>For 230 Voltage, Add</i>	1,057.06	
22 15 13 00-0018	EA		85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,515.61	358.66
			<i>For 230 Voltage, Add</i>	1,139.49	
22 15 13 00-0019	EA		100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,866.94	397.78
			<i>For 230 Voltage, Add</i>	1,221.92	
22 15 13 00-0020	EA		125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,260.22	423.87
			<i>For 230 Voltage, Add</i>	1,323.75	
22 15 13 00-0021	EA		175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,559.52	440.17
			<i>For 230 Voltage, Add</i>	1,403.76	
22 15 13 00-0022	EA		200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	9,519.73	456.47
			<i>For 230 Voltage, Add</i>	2,582.04	
22 15 13 00-0023	EA		250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,223.10	472.77
			<i>For 230 Voltage, Add</i>	2,783.27	
22 15 13 00-0024	EA		300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,907.08	489.08
			<i>For 230 Voltage, Add</i>	2,978.68	
22 15 13 00-0025	EA		400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	12,936.10	521.68
			<i>For 230 Voltage, Add</i>	3,567.82	
22 15 13 00-0026	EA		500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	14,695.25	652.10
			<i>For 230 Voltage, Add</i>	4,017.32	
22 15 13 00-0027	EA		600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	20,847.49	782.52
			<i>For 230 Voltage, Add</i>	5,784.74	
22 15 13 00-0028	EA		800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	28,252.38	912.93
			<i>For 230 Voltage, Add</i>	7,927.95	
22 15 13 00-0029	EA		1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	31,640.76	1,043.36
			<i>For 230 Voltage, Add</i>	8,866.22	
22 15 13 00-0030			Oil And Water Separator For Air Compressor (22 15 13)		
22 15 13 00-0031	EA		0-60 SCFM Oil/Water Separator	714.28	47.11
22 15 13 00-0032	EA		85 SCFM Oil/Water Separator	954.12	55.20
22 15 13 00-0033	EA		190 SCFM Oil/Water Separator	1,114.30	62.57
22 15 13 00-0034	EA		245 SCFM Oil/Water Separator	1,396.61	73.60
22 15 13 00-0035	EA		320 SCFM Oil/Water Separator	1,660.41	88.32
22 15 13 00-0036	EA		700 SCFM Oil/Water Separator	3,350.09	184.01
22 15 13 00-0037			Heavy Duty Industrial Pressure Regulator (22 15 13)		
22 15 13 00-0038	EA		3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	138.05	39.12
22 15 13 00-0039	EA		1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	191.62	52.17
22 15 13 00-0040	EA		3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	315.97	65.21
22 15 13 00-0041	EA		1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	403.81	97.81
22 15 13 00-0042	EA		1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	553.66	114.12
22 15 13 00-0043	EA		1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	586.27	130.42
22 15 13 00-0044			Combination Air System; Filter Regulator Lubricator (22 15 13)		
22 15 13 00-0045	EA		3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	509.51	117.37
22 15 13 00-0046	EA		1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	636.25	156.51
22 15 13 00-0047			Heatless Desiccant Air Dryers (22 15 13)		
22 15 13 00-0048	EA		5 SCFM Heatless Desiccant Air Dryer	2,728.23	117.37
22 15 13 00-0049	EA		10 SCFM Heatless Desiccant Air Dryer	3,275.24	130.42
22 15 13 00-0050	EA		15 SCFM Heatless Desiccant Air Dryer	3,312.63	143.46
22 15 13 00-0051	EA		20 SCFM Heatless Desiccant Air Dryer	3,783.39	163.02
22 15 13 00-0052	EA		30 SCFM Heatless Desiccant Air Dryer	5,198.14	195.63
22 15 13 00-0053	EA		50 SCFM Heatless Desiccant Air Dryer	5,165.31	260.84
22 15 13 00-0054	EA		85 SCFM Heatless Desiccant Air Dryer	6,926.58	326.04
22 15 13 00-0055	EA		100 SCFM Heatless Desiccant Air Dryer	7,371.85	391.26
22 15 13 00-0056	EA		125 SCFM Heatless Desiccant Air Dryer	8,443.59	456.47
22 15 13 00-0057	EA		175 SCFM Heatless Desiccant Air Dryer	9,694.61	521.68
22 15 13 00-0058	EA		200 SCFM Heatless Desiccant Air Dryer	10,430.33	586.89
22 15 13 00-0059	EA		300 SCFM Heatless Desiccant Air Dryer	12,723.36	652.10
22 15 13 00-0060	EA		400 SCFM Heatless Desiccant Air Dryer	14,160.86	782.52
22 15 13 00-0061	EA		500 SCFM Heatless Desiccant Air Dryer	16,370.96	912.93



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 15 13 00-0062	EA 600 SCFM Heatless Desiccant Air Dryer	18,884.92	1,043.36
22 15 13 00-0063		Air Cooled Aftercoolers (22 15 13)		
	22 15 13 00-0064	EA 20 SCFM Air-Cooled Aftercooler.....	712.60	81.51
	22 15 13 00-0065	EA 35 SCFM Air-Cooled Aftercooler.....	956.91	97.81
	22 15 13 00-0066	EA 43 SCFM Air-Cooled Aftercooler.....	1,054.16	114.12
	22 15 13 00-0067	EA 70 SCFM Air-Cooled Aftercooler.....	1,283.96	130.42
	22 15 13 00-0068	EA 125 SCFM Air-Cooled Aftercooler.....	1,772.34	146.72
	22 15 13 00-0069	EA 185 SCFM Air-Cooled Aftercooler.....	1,989.21	163.02
	22 15 13 00-0070	EA 260 SCFM Air-Cooled Aftercooler.....	3,795.83	195.63
	22 15 13 00-0071	EA 365 SCFM Air-Cooled Aftercooler.....	3,979.36	228.23
	22 15 13 00-0072	EA 560 SCFM Air-Cooled Aftercooler.....	4,161.59	260.84
	22 15 13 00-0073	EA 650 SCFM Air-Cooled Aftercooler.....	4,874.61	293.44
	22 15 13 00-0074	EA 750 SCFM Air-Cooled Aftercooler.....	5,331.61	326.04
	22 15 13 00-0075	EA 900 SCFM Air-Cooled Aftercooler.....	6,106.70	358.66
	22 15 13 00-0076	EA 1,100 SCFM Air-Cooled Aftercooler.....	7,807.61	391.26
	22 15 13 00-0077	EA 1,460 SCFM Air-Cooled Aftercooler.....	8,919.52	423.87
	22 15 13 00-0078	EA 1,800 SCFM Air-Cooled Aftercooler.....	9,219.10	456.47
	22 15 13 00-0079	EA 2,500 SCFM Air-Cooled Aftercooler.....	9,885.58	489.08
22 15 13 00-0080		Compressed Air Coalescing Filters (22 15 13)		
22 15 13 00-0081		1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0080)		
	22 15 13 00-0082	EA 10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	257.32	47.84
	22 15 13 00-0083	EA 20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	302.58	47.84
	22 15 13 00-0084	EA 50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....	331.83	55.20
	22 15 13 00-0085	EA 75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	381.98	63.30
	22 15 13 00-0086	EA 100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	443.71	69.92
	22 15 13 00-0087	EA 140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....	505.47	84.64
	22 15 13 00-0088	EA 175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating.....	573.24	92.00
	22 15 13 00-0089	EA 250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating.....	660.44	110.41
	22 15 13 00-0090	EA 280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	850.43	147.21
	22 15 13 00-0091	EA 350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	971.27	165.60
22 15 13 00-0092		0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0080)		
	22 15 13 00-0093	EA 16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	309.04	47.84
	22 15 13 00-0094	EA 30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	336.66	55.20
	22 15 13 00-0095	EA 60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	386.50	63.30
	22 15 13 00-0096	EA 100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	452.77	62.57
	22 15 13 00-0097	EA 140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	515.81	84.64
	22 15 13 00-0098	EA 180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	583.24	92.00
	22 15 13 00-0099	EA 250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	672.08	110.41
	22 15 13 00-0100	EA 280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	869.82	147.21
	22 15 13 00-0101	EA 350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	997.14	165.60
22 15 13 00-0102		Compressed Air Storage Tanks (22 15 13)		
22 15 13 00-0103		Horizontal Compressed Air Storage Tanks (22 15 13 00-0102)		
	22 15 13 00-0104	EA 12 Gallon Horizontal Compressed Air Storage Tank, ASME.....	434.95	104.34
	22 15 13 00-0105	EA 15 Gallon Horizontal Compressed Air Storage Tank, ASME.....	752.44	114.12
	22 15 13 00-0106	EA 20 Gallon Horizontal Compressed Air Storage Tank, ASME.....	796.94	119.98
	22 15 13 00-0107	EA 30 Gallon Horizontal Compressed Air Storage Tank, ASME.....	906.60	130.42
	22 15 13 00-0108	EA 60 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,185.29	176.07
	22 15 13 00-0109	EA 80 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,425.58	195.63
	22 15 13 00-0110	EA 120 Gallon Horizontal Compressed Air Storage Tank, ASME.....	2,117.88	228.23
	22 15 13 00-0111	EA 200 Gallon Horizontal Compressed Air Storage Tank, ASME.....	3,133.22	260.84
	22 15 13 00-0112	EA 240 Gallon Horizontal Compressed Air Storage Tank, ASME.....	3,488.88	277.14
	22 15 13 00-0113	EA 325 Gallon Horizontal Compressed Air Storage Tank, ASME.....	5,009.87	293.44
	22 15 13 00-0114	EA 400 Gallon Horizontal Compressed Air Storage Tank, ASME.....	6,586.60	342.36
	22 15 13 00-0115	EA 660 Gallon Horizontal Compressed Air Storage Tank, ASME.....	9,448.17	407.57
22 15 13 00-0116		Vertical Compressed Air Storage Tanks (22 15 13 00-0102)		
	22 15 13 00-0117	EA 10 Gallon Vertical Compressed Air Storage Tank, ASME.....	700.11	104.34
	22 15 13 00-0118	EA 15 Gallon Vertical Compressed Air Storage Tank, ASME.....	736.06	114.12
	22 15 13 00-0119	EA 20 Gallon Vertical Compressed Air Storage Tank, ASME.....	796.94	119.98
	22 15 13 00-0120	EA 30 Gallon Vertical Compressed Air Storage Tank, ASME.....	939.03	130.42
	22 15 13 00-0121	EA 60 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,282.60	176.07
	22 15 13 00-0122	EA 80 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,472.44	195.63
	22 15 13 00-0123	EA 120 Gallon Vertical Compressed Air Storage Tank, ASME.....	2,015.99	228.23
	22 15 13 00-0124	EA 200 Gallon Vertical Compressed Air Storage Tank, ASME.....	2,923.21	260.84
	22 15 13 00-0125	EA 240 Gallon Vertical Compressed Air Storage Tank, ASME.....	3,221.20	277.14
	22 15 13 00-0126	EA 325 Gallon Vertical Compressed Air Storage Tank, ASME.....	4,354.63	293.44
	22 15 13 00-0127	EA 400 Gallon Vertical Compressed Air Storage Tank, ASME.....	5,569.66	342.36
	22 15 13 00-0128	EA 500 Gallon Vertical Compressed Air Storage Tank, ASME.....	7,240.26	374.96
	22 15 13 00-0129	EA 660 Gallon Vertical Compressed Air Storage Tank, ASME.....	11,970.76	423.87

22	Plumbing
22 10	Plumbing Piping
22 15	General Service Compressed-Air Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 15 19 General Service Packaged Air Compressors and Receivers (22 15)

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)

22 15 19 13-0001 Single Stage Compressor (22 15 19 13)

Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	3,007.06	462.73
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	3,159.63	534.07
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	3,613.03	630.71
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	4,108.28	695.92
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	4,984.45	735.04
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure.....	5,317.15	761.13
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure.....	5,976.24	869.90
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	6,406.24	922.07
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	7,664.32	1,043.88

22 15 19 13-0011 Two Stage Compressor (22 15 19 13)

Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure.....	5,724.53	813.30
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure.....	6,174.91	956.89
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure.....	6,469.73	1,043.88
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure.....	7,457.77	1,391.84
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure.....	8,001.91	1,391.84
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure.....	8,677.49	1,739.80
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure.....	9,171.01	1,739.80
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure.....	11,739.01	2,151.92
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure.....	12,625.53	2,217.13
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure.....	13,631.34	2,591.17
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure.....	20,208.11	2,933.14
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure.....	21,765.31	3,314.35
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure.....	24,248.07	3,663.09
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure.....	26,389.40	4,014.58

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors (22 15 19)

22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver (22 15 19 19)

Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated.....	9,708.43	1,174.71
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated.....	10,917.34	1,566.28
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	13,981.39	1,963.74
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	16,264.22	2,502.52
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	18,617.05	2,944.14
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	22,513.77	3,312.16
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	24,697.05	3,680.18
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	29,585.91	4,121.79
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	32,485.00	4,416.21
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	36,401.87	4,759.21
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	46,982.57	5,152.25
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	52,045.56	5,446.66
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	82,653.85	5,888.28
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	102,811.77	6,366.70
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	119,257.28	6,852.49
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	154,669.89	7,360.36
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	175,566.29	7,831.41

22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver (22 15 19 19)

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	12,149.89	1,566.28
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	12,878.79	1,566.28
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	14,560.97	1,963.74
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	15,358.20	1,963.74
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	16,583.12	2,502.52
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	17,425.91	2,502.52



Plumbing	22	22
Plumbing Piping	22 10	
General Service Compressed-Air Systems	22 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0026 EA 15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	18,880.26	2,944.14
22 15 19 19-0027 EA 15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	19,791.39	2,944.14
22 15 19 19-0028 EA 20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	32,110.94	3,312.16
22 15 19 19-0029 EA 25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	34,635.90	3,680.18
22 15 19 19-0030 EA 30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	36,933.12	4,121.79

22 30 Plumbing Equipment ⁽²²⁾

22 31 Domestic Water Softeners ^(22 30)

22 31 16 Commercial Domestic Water Softeners ^(22 31)

22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) ^(22 31 16)

22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0001)

22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004 EA 30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11).....	5,113.01	372.59
22 31 16 00-0005 EA 45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11).....	5,344.45	389.52
22 31 16 00-0006 EA 60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11).....	5,767.09	406.46
22 31 16 00-0007 EA 90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11).....	6,633.75	423.40
22 31 16 00-0008 EA 120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11).....	7,069.13	440.34

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11).....	7,642.96	406.46
22 31 16 00-0011 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11).....	8,038.00	423.40
22 31 16 00-0012 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11).....	8,475.51	440.34
22 31 16 00-0013 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11).....	10,064.46	457.27
22 31 16 00-0014 EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11).....	11,183.91	474.20
22 31 16 00-0015 EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11).....	13,607.77	491.14

22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0017 EA 90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11).....	11,585.79	423.40
22 31 16 00-0018 EA 120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11).....	12,008.43	440.34
22 31 16 00-0019 EA 150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11).....	13,601.64	457.27
22 31 16 00-0020 EA 210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11).....	14,721.09	474.20
22 31 16 00-0021 EA 300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11).....	17,276.66	491.14
22 31 16 00-0022 EA 450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11).....	22,772.44	508.08
22 31 16 00-0023 EA 600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11).....	26,632.42	525.01

22 31 16 00-0024 3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0025 EA 300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11).....	27,949.79	491.14
22 31 16 00-0026 EA 450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11).....	32,283.51	508.08
22 31 16 00-0027 EA 600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11).....	36,092.50	525.01

22	Plumbing
22 30	Plumbing Equipment
22 31	Domestic Water Softeners



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0028 EA 900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	45,429.24	541.95
22 31 16 00-0029 EA 1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	50,298.32	558.89
22 31 16 00-0030 Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0031 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032 EA 90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	19,009.19	635.10
22 31 16 00-0033 EA 120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	19,852.40	660.50
22 31 16 00-0034 EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	22,599.11	685.90
22 31 16 00-0035 EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	24,704.25	711.31
22 31 16 00-0036 EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	30,142.60	736.71
22 31 16 00-0037 EA 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	39,910.56	762.12
22 31 16 00-0038 EA 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	46,963.49	787.52
22 31 16 00-0039 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040 EA 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	51,310.42	736.71
22 31 16 00-0041 EA 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	58,936.95	762.12
22 31 16 00-0042 EA 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	66,225.69	787.52
22 31 16 00-0043 EA 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	84,247.06	812.92
22 31 16 00-0044 EA 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	94,055.37	838.33
22 31 16 00-0045 Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0046 1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047 EA 30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	6,730.51	558.89
22 31 16 00-0048 EA 45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,176.47	584.29
22 31 16 00-0049 EA 60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	7,824.23	609.69
22 31 16 00-0050 EA 90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,379.15	635.10
22 31 16 00-0051 EA 120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	10,368.95	660.50
22 31 16 00-0052 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	13,120.44	609.69
22 31 16 00-0054 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	13,834.08	635.10
22 31 16 00-0055 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	14,887.61	660.50
22 31 16 00-0056 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	17,033.11	685.90
22 31 16 00-0057 EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	19,210.47	711.31
22 31 16 00-0058 EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	24,034.87	736.71

22 32 Domestic Water Filtration Equipment (22 30)



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

22 32 16 Domestic-Water Freestanding Cartridge Filters (22 32)

22 32 16 00-0001			Commercial Water Filters Housings (22 32 16)		
22 32 16 00-0002			Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0003			Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0002)		
22 32 16 00-0004	EA		25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	2,655.97	239.21
22 32 16 00-0005	EA		30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	2,711.89	257.61
22 32 16 00-0006	EA		60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	2,886.78	276.01
22 32 16 00-0007	EA		90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	3,193.37	294.42
22 32 16 00-0008	EA		120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	3,291.79	312.81
22 32 16 00-0009	EA		150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	3,978.67	331.22
22 32 16 00-0010	EA		250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	11,038.83	349.61
22 32 16 00-0011	EA		300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	12,832.53	368.02
22 32 16 00-0012	EA		500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	16,272.67	386.42
22 32 16 00-0013	EA		600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	18,045.14	404.82

22 32 16 00-0014 Commercial Water Filter Cartridges (22 32 16 00-0002)

22 32 16 00-0015 (Depth) Water Filter Cartridges (22 32 16 00-0014)					
22 32 16 00-0016	EA		50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	13.85	2.95
22 32 16 00-0017	EA		20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	13.85	2.95
22 32 16 00-0018	EA		10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	13.85	2.95
22 32 16 00-0019	EA		5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	11.72	2.95
22 32 16 00-0020	EA		1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	14.38	2.95
22 32 16 00-0021	EA		50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	14.38	2.95
22 32 16 00-0022	EA		20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	15.44	2.95
22 32 16 00-0023	EA		5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	19.16	2.95
22 32 16 00-0024	EA		1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	15.44	2.95
22 32 16 00-0025	EA		50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	18.10	2.95
22 32 16 00-0026	EA		20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	18.10	2.95
22 32 16 00-0027	EA		5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	18.10	2.95
22 32 16 00-0028	EA		1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	19.69	2.95
22 32 16 00-0029	EA		50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	25.53	2.95
22 32 16 00-0030	EA		20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	23.41	2.95
22 32 16 00-0031	EA		5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	23.41	2.95
22 32 16 00-0032	EA		1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	25.53	2.95

22 32 16 00-0033 Pleated Water Filter Cartridges (22 32 16 00-0014)

22 32 16 00-0034	EA		50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	23.94	2.95
22 32 16 00-0035	EA		20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	23.94	2.95
22 32 16 00-0036	EA		5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	24.47	2.95
22 32 16 00-0037	EA		1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	26.06	2.95
22 32 16 00-0038	EA		1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	38.81	2.95
22 32 16 00-0039	EA		50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	37.22	2.95
22 32 16 00-0040	EA		20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	37.22	2.95
22 32 16 00-0041	EA		5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	37.22	2.95
22 32 16 00-0042	EA		1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	48.90	2.95
22 32 16 00-0043	EA		1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	69.08	2.95
22 32 16 00-0044	EA		50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	57.93	2.95
22 32 16 00-0045	EA		20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	80.24	2.95
22 32 16 00-0046	EA		5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	83.42	2.95
22 32 16 00-0047	EA		1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	94.04	2.95

22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)

22 32 16 00-0049			Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)		
22 32 16 00-0050	EA		150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	2,099.74	220.81

22 32 16 00-0051 Commercial Water Filter Cartridges (22 32 16 00-0048)

22 32 16 00-0052			Carbon Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0053	EA		Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	667.64	2.95

22 32 16 00-0054 (Depth) Water Filter Cartridges (22 32 16 00-0051)

22	Plumbing
22 30	Plumbing Equipment
22 32	Domestic Water Filtration Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0055 EA 50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50).....	139.19	2.95
22 32 16 00-0056 EA 20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20).....	138.13	2.95
22 32 16 00-0057 EA 5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5).....	138.13	2.95
22 32 16 00-0058 EA 1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1).....	158.31	2.95
22 32 16 00-0059 Pleated Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0060 EA 150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150).....	367.03	2.95
22 32 16 00-0061 EA 50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50).....	344.73	2.95
22 32 16 00-0062 EA 20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20).....	375.53	2.95
22 32 16 00-0063 EA 5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5).....	393.59	2.95
22 32 16 00-0064 EA 1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1).....	419.08	2.95
22 32 16 00-0065 EA 1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB).....	454.13	2.95
22 33 Electric Domestic Water Heaters (22 30)		
22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)		
22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 13)		
22 33 13 13-0002 EA 3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95).....	401.00	73.58
22 33 13 13-0003 EA 7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P).....	624.34	73.58
22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16) Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002 EA 3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T).....	544.94	110.37
22 33 13 16-0003 EA 12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12).....	811.63	147.16
22 33 13 16-0004 EA 17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	1,377.49	257.53
22 33 13 16-0005 EA 26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	2,054.73	294.32
22 33 13 16-0006 EA 12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus).....	1,029.07	147.16
22 33 13 16-0007 EA 14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus).....	1,425.39	220.74
22 33 13 16-0008 EA 19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus).....	1,620.69	294.32
22 33 13 16-0009 EA 24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus).....	1,671.65	294.32
22 33 13 16-0010 EA 28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus).....	1,719.78	294.32
22 33 13 16-0011 EA 36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus).....	1,790.57	294.32
22 33 30 Residential, Electric Domestic Water Heaters (22 33)		
22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)		
22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 13) Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002 EA 2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	837.23	231.78
22 33 30 13-0003 EA 10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	991.23	246.50
22 33 30 13-0004 EA 20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,137.89	257.53
22 33 30 16 Residential, Storage Electric Domestic Water Heaters (22 33 30)		
22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16) Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002 EA 30 Gallon, Electric Domestic Water Heater.....	1,198.78	257.53
22 33 30 16-0003 EA 40 Gallon, Electric Domestic Water Heater.....	1,149.50	264.89
22 33 30 16-0004 EA 50 Gallon, Electric Domestic Water Heater.....	1,142.40	272.25
22 33 30 16-0005 EA 55 Gallon, Electric Domestic Water Heater.....	1,248.26	275.93
22 33 30 16-0006 EA 66 Gallon, Electric Domestic Water Heater.....	1,700.18	283.28
22 33 30 16-0007 EA 80 Gallon, Electric Domestic Water Heater.....	1,737.83	294.32
22 33 30 16-0008 EA 120 Gallon, Electric Domestic Water Heater.....	2,235.81	312.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) ^(22 33 30 16)		
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010 EA 30 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,268.70	257.53
22 33 30 16-0011 EA 40 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,227.36	264.89
22 33 30 16-0012 EA 50 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,291.90	272.25
 22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) ^(22 33 30 16)		
Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014 EA 40 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,309.04	264.89
22 33 30 16-0015 EA 50 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,413.37	272.25
22 33 30 16-0016 EA 66 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,689.21	283.28
22 33 30 16-0017 EA 80 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,823.40	294.32
 22 33 30 16-0018 Water Heater Accessories ^(22 33 30 16)		
22 33 30 16-0019 EA 2 Gallon, Expansion Pressure Tank For Water Heaters.....	94.91	14.72
22 33 30 16-0020 EA 4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	109.52	14.72
22 33 30 16-0021 EA 7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	199.78	14.72
22 33 30 16-0022 EA 14 Gallon, Expansion Pressure Tank For Water Heaters.....	263.30	14.72
22 33 30 16-0023 EA 20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	77.71	11.04
22 33 30 16-0024 EA 22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	84.42	11.04
22 33 30 16-0025 EA 24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	88.89	11.04
22 33 30 16-0026 EA 26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	104.53	11.04
22 33 30 16-0027 EA 22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	44.09	11.04
22 33 30 16-0028 EA 24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	47.66	11.04
22 33 30 16-0029 EA 26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	52.69	11.04
22 33 30 16-0030 EA 28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	59.16	11.04
 22 33 33 Light-Commercial Electric Domestic Water Heaters ^(22 33)		
22 33 33 00-0001 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) ^(22 33 33)		
Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0002 EA 3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3).....	4,928.02	257.53
22 33 33 00-0003 EA 3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3).....	5,113.83	257.53
22 33 33 00-0004 EA 6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6).....	5,315.13	257.53
22 33 33 00-0005 EA 3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3).....	5,388.71	294.32
22 33 33 00-0006 EA 6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6).....	5,620.98	294.32
22 33 33 00-0007 EA 9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9).....	5,992.60	294.32
22 33 33 00-0008 EA 12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12).....	6,240.35	294.32
22 33 33 00-0009 EA 15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15).....	6,441.65	294.32
22 33 33 00-0010 EA 18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18).....	6,658.43	294.32
22 33 33 00-0011 EA 6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6).....	5,853.24	294.32
22 33 33 00-0012 EA 9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9).....	6,070.02	294.32
22 33 33 00-0013 EA 12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12).....	6,317.77	294.32
22 33 33 00-0014 EA 15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15).....	6,519.07	294.32
22 33 33 00-0015 EA 18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18).....	6,735.85	294.32
22 33 33 00-0016 EA 24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24).....	8,330.74	294.32
22 33 33 00-0017 EA 9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9).....	6,418.48	367.90
22 33 33 00-0018 EA 12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12).....	6,619.78	367.90
22 33 33 00-0019 EA 15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15).....	6,867.53	367.90
22 33 33 00-0020 EA 18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18).....	7,084.31	367.90
22 33 33 00-0021 EA 24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24).....	8,694.68	367.90
22 33 33 00-0022 EA 30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30).....	9,437.93	367.90
22 33 33 00-0023 EA 36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36).....	10,165.69	367.90
22 33 33 00-0024 EA 9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9).....	7,432.76	441.48
22 33 33 00-0025 EA 12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12).....	7,634.06	441.48
22 33 33 00-0026 EA 15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15).....	7,835.36	441.48
22 33 33 00-0027 EA 18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18).....	8,052.14	441.48
22 33 33 00-0028 EA 24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24).....	9,708.96	441.48
22 33 33 00-0029 EA 30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30).....	10,452.21	441.48
22 33 33 00-0030 EA 36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36).....	11,179.98	441.48
22 33 33 00-0031 EA 45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45).....	12,496.15	441.48
22 33 33 00-0032 EA 54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54).....	13,084.55	441.48
22 33 33 00-0033 EA 60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60).....	15,128.48	441.48
22 33 33 00-0034 EA 75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75).....	17,760.82	441.48
22 33 33 00-0035 EA 90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90).....	22,189.35	441.48
22 33 33 00-0036 EA 9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9).....	8,439.37	588.64
22 33 33 00-0037 EA 12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12).....	8,671.64	588.64
22 33 33 00-0038 EA 15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15).....	8,888.42	588.64
22 33 33 00-0039 EA 18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18).....	9,074.23	588.64
22 33 33 00-0040 EA 24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24).....	10,715.57	588.64
22 33 33 00-0041 EA 30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30).....	11,458.82	588.64
22 33 33 00-0042 EA 36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36).....	12,171.10	588.64
22 33 33 00-0043 EA 45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45).....	13,518.24	588.64
22 33 33 00-0044 EA 54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54).....	14,091.16	588.64
22 33 33 00-0045 EA 60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60).....	16,150.58	588.64

22 Plumbing
22 30 Plumbing Equipment
22 33 Electric Domestic Water Heaters



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0046	EA		75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	18,798.40	588.64
22 33 33 00-0047	EA		90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	23,211.44	588.64
22 33 33 00-0048	EA		12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	9,438.16	662.22
22 33 33 00-0049	EA		15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	9,654.94	662.22
22 33 33 00-0050	EA		18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	9,840.76	662.22
22 33 33 00-0051	EA		24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	11,497.58	662.22
22 33 33 00-0052	EA		30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	12,163.41	662.22
22 33 33 00-0053	EA		36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	12,937.63	662.22
22 33 33 00-0054	EA		45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	14,284.76	662.22
22 33 33 00-0055	EA		54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	14,873.17	662.22
22 33 33 00-0056	EA		60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	16,808.71	662.22
22 33 33 00-0057	EA		75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	19,564.93	662.22
22 33 33 00-0058	EA		90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	23,977.97	662.22
22 33 33 00-0059	EA		15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	10,607.29	735.80
22 33 33 00-0060	EA		18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	10,855.04	735.80
22 33 33 00-0061	EA		24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	12,465.41	735.80
22 33 33 00-0062	EA		30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	13,208.66	735.80
22 33 33 00-0063	EA		36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	13,936.42	735.80
22 33 33 00-0064	EA		45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	15,252.59	735.80
22 33 33 00-0065	EA		54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	15,856.48	735.80
22 33 33 00-0066	EA		60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	17,884.93	735.80
22 33 33 00-0067	EA		75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	20,517.27	735.80
22 33 33 00-0068	EA		90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	24,961.28	735.80
22 33 33 00-0069	EA		15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	11,459.06	882.96
22 33 33 00-0070	EA		18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	11,675.84	882.96
22 33 33 00-0071	EA		24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	13,286.21	882.96
22 33 33 00-0072	EA		30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	13,998.49	882.96
22 33 33 00-0073	EA		36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	14,757.22	882.96
22 33 33 00-0074	EA		45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	16,073.39	882.96
22 33 33 00-0075	EA		54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	16,630.83	882.96
22 33 33 00-0076	EA		60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	18,721.22	882.96
22 33 33 00-0077	EA		75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	21,369.04	882.96
22 33 33 00-0078	EA		90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	25,766.60	882.96

22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33)

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0080	EA		Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	1,475.01	257.53
22 33 33 00-0081	EA		Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	1,572.56	257.53
22 33 33 00-0082	EA		Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	1,718.92	294.32
22 33 33 00-0083	EA		Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	2,833.79	294.32
22 33 33 00-0084	EA		Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	3,290.64	367.90
22 33 33 00-0085	EA		Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	3,670.07	441.48
22 33 33 00-0086	EA		Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	4,480.07	662.22

22 33 33 00-0087 Water Heater Accessories (22 33 33)

22 33 33 00-0088	EA		Up To 80 Gallon Water Heater Strap	51.58	
22 33 33 00-0089	EA		>80 To 120 Gallon Water Heater Strap	74.47	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts					

22 33 33 00-0090 Removal And Reinstallation Of Water Heater (22 33 33)

Note: Includes storage and cleaning.

22 33 33 00-0091	EA		Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	490.53	
22 33 33 00-0092	EA		Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,471.60	

22 34 Fuel-Fired Domestic Water Heaters (22 30)

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA		4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,618.77	294.32
22 34 13 00-0004	EA		5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,734.05	298.00
22 34 13 00-0005	EA		5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	1,886.12	305.35
22 34 13 00-0006	EA		6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	2,165.58	312.71
22 34 13 00-0007	EA		7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	2,587.10	331.11
22 34 13 00-0008	EA		7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	2,636.15	331.11

22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)



Plumbing	22	22
Plumbing Equipment	22 30	
Fuel-Fired Domestic Water Heaters	22 34	

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

22 34 13 00-0010 EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN).....	1,726.69	294.32
22 34 13 00-0011 EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN).....	2,587.10	331.11

22 34 30 Residential Gas Domestic Water Heaters (22 34)

22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)

22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 13-0002 EA 30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,267.26	283.28
22 34 30 13-0003 EA 40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,255.50	290.64
22 34 30 13-0004 EA 50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	1,592.57	298.00
22 34 30 13-0005 EA 65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65).....	1,708.60	305.35
22 34 30 13-0006 EA 75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75).....	1,847.82	312.71
22 34 30 13-0007 EA 100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100).....	2,618.15	331.11

22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)

22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 16-0002 EA 40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	2,119.24	290.64
22 34 30 16-0003 EA 50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	2,386.78	298.00
22 34 30 16-0004 EA 75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	3,032.59	305.35

22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)

22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 19-0002 EA 40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	1,948.49	290.64
22 34 30 19-0003 EA 50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	2,025.50	298.00

22 34 36 Commercial Gas Domestic Water Heaters (22 34)

22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters (22 34 36)

22 34 36 13-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36 13)

Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 13-0002 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	6,743.89	441.48
22 34 36 13-0003 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	7,215.87	515.06
22 34 36 13-0004 EA 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	8,909.41	588.64
22 34 36 13-0005 EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	7,737.27	588.64
22 34 36 13-0006 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	8,861.53	588.64
22 34 36 13-0007 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A).....	11,764.33	647.51
22 34 36 13-0008 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	8,617.37	662.22
22 34 36 13-0009 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A).....	12,683.97	728.44
22 34 36 13-0010 EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	8,747.27	662.22
22 34 36 13-0011 EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A).....	12,111.78	728.44
22 34 36 13-0012 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	9,722.03	809.39
22 34 36 13-0013 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A).....	13,286.09	890.32
22 34 36 13-0014 EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	10,897.32	809.39
22 34 36 13-0015 EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A).....	13,363.41	890.32
22 34 36 13-0016 EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	10,580.62	882.96
22 34 36 13-0017 EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A).....	14,746.97	971.26
22 34 36 13-0018 EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	13,348.69	882.96
22 34 36 13-0019 EA 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A).....	17,406.84	971.26
22 34 36 13-0020 EA 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	17,331.02	956.54
22 34 36 13-0021 EA 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	8,669.47	515.06
22 34 36 13-0022 EA 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A).....	10,380.77	566.57
22 34 36 13-0023 EA 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	9,033.13	588.64
22 34 36 13-0024 EA 199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A).....	10,805.54	647.51
22 34 36 13-0025 EA Sidewall Power Vent System For BTR-120 through BTR-200	2,282.16	367.90
22 34 36 13-0026 EA Sidewall Power Vent System For BTR-250 through BTR-500	2,483.20	367.90

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 13-0027 Removal And Reinstallation Of Water Heater <small>(22 34 36 13)</small> Note: Includes storage and cleaning.		
22 34 36 13-0028 EA Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	668.91	
22 34 36 13-0029 EA Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon.....	1,768.75	
22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters <small>(22 34 36)</small>		
22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) <small>(22 34 36 19)</small> Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0002 EA 90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	5,522.20	441.48
22 34 36 19-0003 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	7,826.40	441.48
22 34 36 19-0004 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	9,535.47	515.06
22 34 36 19-0005 EA 180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	9,945.53	588.64
22 34 36 19-0006 EA 199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	9,991.92	588.64
22 34 36 19-0007 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	10,208.42	588.64
22 34 36 19-0008 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	11,965.37	647.51
22 34 36 19-0009 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	11,267.97	662.22
22 34 36 19-0010 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	13,828.33	728.44
22 34 36 19-0011 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	11,856.12	809.39
22 34 36 19-0012 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	14,492.31	890.32
22 34 36 19-0013 EA 310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	12,103.55	809.39
22 34 36 19-0014 EA 310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	14,646.95	890.32
22 34 36 19-0015 EA 366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	13,565.19	882.96
22 34 36 19-0016 EA 366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	15,922.26	971.26
22 34 36 19-0017 EA 390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	16,364.25	882.96
22 34 36 19-0018 EA 390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	18,860.50	971.26
22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) <small>(22 34 36 19)</small> Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0020 EA 76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	4,315.98	441.48
22 34 36 19-0021 EA 100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	5,738.70	441.48
22 34 36 19-0022 EA 120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	6,914.00	441.48
22 34 36 19-0023 EA 120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	9,909.61	485.63
22 34 36 19-0024 EA 150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	10,154.05	515.06
22 34 36 19-0025 EA 150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	12,777.76	566.57
22 34 36 19-0026 EA 199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	10,332.14	588.64
22 34 36 19-0027 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	13,187.06	647.51
22 34 36 19-0028 EA 250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	11,932.94	662.22
22 34 36 19-0029 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	14,493.30	728.44
22 34 36 19-0030 EA 300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	18,946.06	890.32
22 34 36 19-0031 EA 399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	19,927.54	971.26
22 34 36 19-0032 EA 499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	22,903.94	1,052.19
22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters <small>(22 34 36)</small>		
22 34 36 23-0001 Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) <small>(22 34 36 23)</small> Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 23-0002 EA 400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	92,289.83	1,835.48
22 34 36 23-0003 EA 1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	111,570.38	1,950.20
22 34 36 23-0004 EA 2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	135,545.03	2,064.92
22 34 36 23-0005 EA 3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	162,020.09	2,179.64



Plumbing	22	22
Plumbing Equipment	22 30	
Fuel-Fired Domestic Water Heaters	22 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 23-0006 EA 4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	169,824.35	2,294.35
22 34 36 23-0007 Gas Fired Volume Water Heater (Laars Mighty Therm) (22 34 36 23)		
22 34 36 23-0008 EA 200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	11,755.99	1,084.36
22 34 36 23-0009 EA 300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	12,766.44	1,219.91
22 34 36 23-0010 EA 400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	14,803.58	1,491.01
22 34 36 23-0011 EA 500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	21,424.21	1,626.55
22 34 36 23-0012 EA 750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	23,593.39	1,897.64
22 34 36 23-0013 EA 1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	26,987.37	2,168.73
22 34 36 23-0014 EA 1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	29,824.82	2,439.82
22 34 36 23-0015 EA 1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	35,601.39	2,710.92
22 34 36 23-0016 EA 1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	36,951.06	2,846.45
22 34 36 23-0017 EA 2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	39,620.99	2,982.00
22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)		
22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36 26)		
22 34 36 26-0002 EA 1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	38,257.18	2,060.29
22 34 36 26-0003 EA 1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	53,810.70	2,277.17
22 34 36 26-0004 EA 2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	58,359.14	2,385.60
22 34 36 26-0005 EA 2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	63,216.03	2,602.47
22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)		
22 34 36 26-0007 EA 1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	34,010.68	2,060.29
22 34 36 26-0008 EA 1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	37,573.32	2,277.17
22 34 36 26-0009 EA 2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	41,038.63	2,385.60
22 34 36 26-0010 EA 2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	44,591.52	2,602.47
22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)		
22 34 36 26-0012 EA 200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,894.82	975.93
22 34 36 26-0013 EA 300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,789.50	1,084.36
22 34 36 26-0014 EA 400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,507.37	1,301.24
22 34 36 26-0015 EA 500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	16,055.06	1,355.46
22 34 36 26-0016 EA 750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	17,736.36	1,626.55
22 34 36 26-0017 EA 1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	21,854.28	1,951.86
22 34 36 26-0018 EA 1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	24,785.30	2,060.29
22 34 36 26-0019 EA 1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	27,450.79	2,222.95
22 34 36 26-0020 EA 1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	29,930.38	2,331.39
22 34 36 26-0021 EA 2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	32,081.19	2,385.60
22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)		
22 34 36 26-0023 EA 700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	24,859.44	1,626.55
22 34 36 26-0024 EA 1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	27,478.17	1,951.86
22 34 36 26-0025 EA 1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	32,847.42	2,222.95
22 34 36 26-0026 EA 1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,876.05	2,331.39
22 34 36 26-0027 EA 2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	35,413.44	2,385.60
22 34 36 26-0028 Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)		
22 34 36 26-0029 EA 1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	29,896.80	1,951.86
22 34 36 26-0030 EA 1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	36,056.81	2,222.95
22 34 36 26-0031 EA 2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	38,284.82	2,385.60
22 34 46 Oil-Fired Domestic Water Heaters (22 34)		
22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters (22 34 46)		
22 34 46 11-0001 Oil-Fired Domestic Water Heaters (Bock) (22 34 46 11)		
Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0002 EA 60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	2,287.82	226.63
22 34 46 11-0003 EA 104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	2,257.59	226.63
22 34 46 11-0004 EA 104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	2,354.72	226.63
22 34 46 11-0005 EA 125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	2,485.18	232.51

22	Plumbing
22 30	Plumbing Equipment
22 34	Fuel-Fired Domestic Water Heaters



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

22 34 46 11-0006	EA		140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES).....	3,150.50	238.40
22 34 46 11-0007	EA		152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E).....	2,670.19	238.40

22 34 46 11-0008 Oil Fired Commercial Water Heaters (22 34 46 11)

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection.
Excludes vent.

22 34 46 11-0009	EA		173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E).....	3,705.26	353.18
22 34 46 11-0010	EA		199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E).....	4,337.61	353.18
22 34 46 11-0011	EA		242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E).....	4,361.94	353.18
22 34 46 11-0012	EA		190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E).....	6,274.12	470.91
22 34 46 11-0013	EA		415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E).....	8,593.79	588.64
22 34 46 11-0014	EA		623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E).....	10,796.71	647.51

22 35 Domestic Water Heat Exchangers (22 30)

22 35 23 Circulating, Domestic Water Heat Exchangers (22 35)

22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers (22 35 23)

22 35 23 13-0001 Steam Driven Water Heaters (22 35 23 13)

22 35 23 13-0002 Constant Flow (22 35 23 13-0001)

22 35 23 13-0003	EA		30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow.....	6,566.00	735.80
22 35 23 13-0004	EA		90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow.....	8,192.09	901.65
22 35 23 13-0005	EA		140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow.....	10,509.38	1,179.20
22 35 23 13-0006	EA		230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow.....	14,244.67	1,642.46
22 35 23 13-0007	EA		500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow.....	21,161.64	2,705.10
22 35 23 13-0008	EA		900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow.....	23,122.20	3,065.79
22 35 23 13-0009	EA		1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow.....	30,096.20	3,537.44
22 35 23 13-0010	EA		2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow.....	36,174.06	4,180.68

22 35 23 13-0011 Variable Flow (22 35 23 13-0001)

22 35 23 13-0012	EA		30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow.....	10,056.98	1,434.81
22 35 23 13-0013	EA		90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow.....	11,462.10	1,751.94
22 35 23 13-0014	EA		140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow.....	14,636.99	2,265.38
22 35 23 13-0015	EA		230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow.....	19,291.40	3,160.71
22 35 23 13-0016	EA		500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow.....	29,076.94	5,286.00
22 35 23 13-0017	EA		900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow.....	35,076.68	5,821.23
22 35 23 13-0018	EA		1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow.....	40,667.59	6,812.94
22 35 23 13-0019	EA		2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow.....	51,251.19	8,139.44

22 40 Plumbing Fixtures (22)

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures (22 40)

22 41 39 Residential Faucets, Supplies, and Trim (22 41)

22 41 39 00-0001 Residential Kitchen Faucets (22 41 39)

22 41 39 00-0002	EA		Chrome Single Handle Kitchen Faucet (Delta 100LF-WF).....	200.18	67.74
22 41 39 00-0003	EA		Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF).....	225.62	67.74
22 41 39 00-0004	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF).....	225.62	67.74
22 41 39 00-0005	EA		Chrome Two Handle Kitchen Faucet, Three Hole Installation 8" Center (Delta 2102LF-LHP+H215).....	218.59	67.74
22 41 39 00-0006	EA		Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215).....	232.26	67.74

22 41 39 00-0007 Residential Lavatory Faucets (22 41 39)

22 41 39 00-0008	EA		Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST).....	175.84	48.77
			<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0009	EA		Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF).....	175.84	48.77
			<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0010	EA		Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF).....	134.00	48.77
			<i>For Faucet With Brass Pop-Up, Add</i>	16.50	
			<i>For Faucet With Plastic Pop-Up, Add</i>	14.00	

22 41 39 00-0011 Residential Bath And Shower Faucets (22 41 39)

22 41 39 00-0012	EA		Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501).....	226.37	58.80
			<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0013	EA		Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502).....	261.17	58.80
			<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	



	Plumbing	22
	Plumbing Fixtures	22 40
	Residential Plumbing Fixtures	22 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0014 EA Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275).....	211.20	58.80
For Faucet With Polished Nickel Or Brass Finish, Add	75.00	
For Faucet With Lever Handles, Add	8.10	
22 41 39 00-0015 EA Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375).....	229.94	58.80
For Faucet With Polished Nickel Or Brass Finish, Add	75.00	
For Faucet With Lever Handles, Add	8.10	
22 41 39 00-0016 EA Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602).....	247.57	36.79
22 41 39 00-0017 EA Wall Mount, Hand Shower With Hose (Delta 55011).....	210.31	36.79
22 41 39 00-0018 EA Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS).....	319.88	36.79
22 41 39 00-0019 Residential Laundry Faucets (22 41 39)		
22 41 39 00-0020 EA Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF).....	154.20	43.26
22 41 39 00-0021 Residential Laundry/Wash Basin Faucets (22 41 39)		
22 41 39 00-0022 EA Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF).....	155.25	43.26
22 41 39 00-0023 EA Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503).....	213.70	47.68
22 41 39 00-0024 Other Residential Faucets (22 41 39)		
22 41 39 00-0025 EA Sillcock, Compact, Brass, IPS Or Copper To Hose.....	44.48	11.04

22 42 Commercial Plumbing Fixtures (22 40)

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets (22 42)

22 42 13 13 Commercial Water Closets (22 42 13)

22 42 13 13-0001 Vitreous China Water Closets (22 42 13 13)		
Note: With a 2" ball pass.		
22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™).....	783.91	140.91
22 42 13 13-0004 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™).....	917.02	140.91
22 42 13 13-0005 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™).....	1,159.51	140.91
22 42 13 13-0006 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®).....	1,047.06	140.91
22 42 13 13-0007 EA 1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®).....	983.57	140.91
22 42 13 13-0008 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®).....	987.94	140.91
22 42 13 13-0009 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcome™).....	774.17	140.91
22 42 13 13-0010 EA 1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E).....	823.18	140.91
22 42 13 13-0011 Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0012 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afall®).....	913.35	173.42
22 42 13 13-0013 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afall® ADA Retrofit).....	1,106.96	173.42
22 42 13 13-0014 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™).....	1,370.10	173.42
22 42 13 13-0015 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™).....	916.53	173.42
22 42 13 13-0016 EA Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™).....	1,334.31	173.42
22 42 13 13-0017 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV).....	1,001.92	173.42
22 42 13 13-0018 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL).....	869.01	173.42
22 42 13 13-0019 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459).....	907.52	173.42
22 42 13 13-0020 Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001)		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0021 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA).....	793.56	140.91
22 42 13 13-0022 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®).....	810.39	140.91
22 42 13 13-0023 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®).....	884.59	140.91

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0024 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron).....	976.39	140.91
22 42 13 13-0025 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA).....	972.57	140.91
22 42 13 13-0026 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA).....	1,265.55	140.91
22 42 13 13-0027 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA).....	1,081.96	140.91
22 42 13 13-0028 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN).....	869.15	140.91
22 42 13 13-0029 EA 2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650).....	978.25	140.91
22 42 13 13-0030 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519).....	1,105.01	140.91
22 42 13 13-0031 EA 2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436).....	882.21	140.91
22 42 13 13-0032 EA 2 Piece Tank Type, High Efficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™).....	861.57	140.91
22 42 13 13-0033 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zum HET Z5667-BWL).....	830.53	140.91
22 42 13 13-0034 Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets (22 42 13 13-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0035 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™).....	878.63	140.91
22 42 13 13-0036 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	801.97	140.91
22 42 13 13-0037 EA 2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	921.31	140.91
22 42 13 13-0038 Floor Mounted Round Bowl Vitreous China Water Closets (22 42 13 13-0001)		
22 42 13 13-0039 EA 2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113).....	850.74	140.91
22 42 13 13-0040 EA 2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412).....	868.60	140.91
22 42 13 13-0041 Stainless Steel Water Closets (22 42 13 13)		
22 42 13 13-0042 EA Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	3,652.21	304.85
22 42 13 13-0043 EA Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS).....	3,840.77	304.85
22 42 13 13-0044 Water Closet Carriers (22 42 13 13)		
22 42 13 13-0045 Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 13-0044) Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0046 EA Pipe Grip Adaptor Type, Water Closet Carrier.....	689.37	71.54
22 42 13 13-0047 No-Hub, Water Closet Carriers (22 42 13 13-0044) Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0048 EA Vertical Close With Offset, No-Hub, Single Water Closet Carrier.....	1,058.00	71.54
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-90.46	
For Positioning Frame, Add	59.45	
For Supply Pipe Support, Add	60.80	
For Vandal Proof Trim, Add	76.97	
For Auxiliary Inlet, Add	258.06	
For Special Duty 500 LB Carrier, Add	429.38	
22 42 13 13-0049 EA Vertical Close On Stack, No-Hub, Single Water Closet Carrier.....	1,058.00	71.54
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-90.46	
For Positioning Frame, Add	59.45	
For Supply Pipe Support, Add	60.80	
For Vandal Proof Trim, Add	76.97	
For Auxiliary Inlet, Add	258.06	
For Special Duty 500 LB Carrier, Add	429.38	
22 42 13 13-0050 EA Horizontal Adjustable, No-Hub, Single Water Closet Carrier.....	1,153.86	71.54
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-90.46	
For Positioning Frame, Add	59.45	
For Supply Pipe Support, Add	60.80	
For Vandal Proof Trim, Add	76.97	
For Auxiliary Inlet, Add	258.06	
For Horizontal No Hub Cast Long Barrel, Add	263.38	
For Carrier For Wide Chase Installations, Add	349.94	
For Special Duty 1,000 LB Carrier, Add	429.39	



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13	13-0051	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier.....	1,276.74	71.54
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-90.46	
			<i>For Positioning Frame, Add</i>	59.45	
			<i>For Supply Pipe Support, Add</i>	60.80	
			<i>For Vandal Proof Trim, Add</i>	76.97	
			<i>For 4" Branch, Add</i>	202.62	
			<i>For Auxiliary Inlet, Add</i>	258.06	
			<i>For Carrier For Wide Chase Installations, Add</i>	349.94	
			<i>For Double 4" Branches, Add</i>	406.58	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	429.39	
22 42 13	13-0052	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,757.76	105.00
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-180.92	
			<i>For Positioning Frame, Add</i>	129.06	
			<i>For Supply Pipe Support, Add</i>	131.77	
			<i>For Vandal Proof Trim, Add</i>	153.94	
			<i>For Auxiliary Inlet, Add</i>	278.38	
			<i>For Special Duty 500 LB Carrier, Add</i>	858.76	
22 42 13	13-0053	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,806.38	105.00
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-180.92	
			<i>For Positioning Frame, Add</i>	129.06	
			<i>For Supply Pipe Support, Add</i>	131.77	
			<i>For Vandal Proof Trim, Add</i>	153.94	
			<i>For Auxiliary Inlet, Add</i>	278.38	
			<i>For Special Duty 500 LB Carrier, Add</i>	858.76	
22 42 13	13-0054	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	2,193.90	105.00
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-180.92	
			<i>For Positioning Frame, Add</i>	129.06	
			<i>For Supply Pipe Support, Add</i>	131.77	
			<i>For Vandal Proof Trim, Add</i>	153.94	
			<i>For 4" Branch, Add</i>	212.78	
			<i>For Auxiliary Inlet, Add</i>	278.38	
			<i>For Double 4" Branches, Add</i>	426.90	
			<i>For Carrier For Wide Chase Installations, Add</i>	760.85	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	858.78	
22 42 13	13-0055	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier.....	2,066.97	105.00
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-180.92	
			<i>For Positioning Frame, Add</i>	129.06	
			<i>For Supply Pipe Support, Add</i>	131.77	
			<i>For Vandal Proof Trim, Add</i>	153.94	
			<i>For Horizontal No Hub Cast Long Barrel, Add</i>	273.54	
			<i>For Carrier For Wide Chase Installations, Add</i>	760.85	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	858.78	
22 42 13	13-0056		Hub And Spigot, Water Closet Carriers (22 42 13 13-0044)		
			Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13	13-0057	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier.....	1,058.00	71.54
			<i>For Positioning Frame, Add</i>	59.45	
			<i>For Supply Pipe Support, Add</i>	60.80	
			<i>For Vandal Proof Trim, Add</i>	76.97	
			<i>For Hanger Type Closet Adapter, Add</i>	193.09	
			<i>For Auxiliary Inlet, Add</i>	258.06	
22 42 13	13-0058	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier.....	1,058.00	71.54
			<i>For Positioning Frame, Add</i>	59.45	
			<i>For Supply Pipe Support, Add</i>	60.80	
			<i>For Vandal Proof Trim, Add</i>	76.97	
			<i>For Auxiliary Inlet, Add</i>	258.06	
			<i>For Special Duty 500 LB Carrier, Add</i>	429.38	
22 42 13	13-0059	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier.....	1,322.64	71.54
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-90.46	
			<i>For Positioning Frame, Add</i>	59.45	
			<i>For Supply Pipe Support, Add</i>	60.80	
			<i>For Vandal Proof Trim, Add</i>	76.97	
			<i>For 4" Branch, Add</i>	202.62	
			<i>For Auxiliary Inlet, Add</i>	258.06	
			<i>For Carrier For Wide Chase Installations, Add</i>	349.94	
			<i>For Double 4" Branches, Add</i>	406.58	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	429.39	
22 42 13	13-0060	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier.....	1,757.76	105.00
			<i>For Positioning Frame, Add</i>	129.06	
			<i>For Supply Pipe Support, Add</i>	131.77	
			<i>For Vandal Proof Trim, Add</i>	153.94	
			<i>For Auxiliary Inlet, Add</i>	278.38	
			<i>For Hanger Type Closet Adapter, Add</i>	386.17	
22 42 13	13-0061	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier.....	2,239.81	105.00
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-180.92	
			<i>For Positioning Frame, Add</i>	129.06	
			<i>For Supply Pipe Support, Add</i>	131.77	
			<i>For Vandal Proof Trim, Add</i>	153.94	
			<i>For 4" Branch, Add</i>	212.78	
			<i>For Auxiliary Inlet, Add</i>	278.38	
			<i>For Double 4" Branches, Add</i>	426.90	
			<i>For Carrier For Wide Chase Installations, Add</i>	760.85	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	858.78	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0062			Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers <small>(22 42 13 13-0044)</small> Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0063	EA		Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	821.69	71.54
			<i>For Positioning Frame, Add</i>	59.45	
			<i>For Supply Pipe Support, Add</i>	60.80	
			<i>For Vandal Proof Trim, Add</i>	76.97	
			<i>For Hanger Type Closet Adapter, Add</i>	193.09	
22 42 13 13-0064			Institutional Water Closet Carriers <small>(22 42 13 13-0044)</small> Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0065	EA		Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier.....	2,866.34	105.00
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-180.92	
			<i>For Positioning Frame, Add</i>	129.06	
			<i>For Supply Pipe Support, Add</i>	131.77	
			<i>For Vandal Proof Trim, Add</i>	153.94	
			<i>For Auxiliary Inlet, Add</i>	278.38	
22 42 13 13-0066			Removal And Reinstallation Of Fixtures And Trim <small>(22 42 13 13)</small> Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0067	EA		Removal And Reinstallation Of Wall Hung Water Closet With Tank	618.82	
22 42 13 13-0068	EA		Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	618.82	
22 42 13 13-0069	EA		Removal And Reinstallation Of Floor Mount Water Closet With Tank	475.80	
22 42 13 13-0070	EA		Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve.....	475.80	
22 42 13 16			Commercial Urinals <small>(22 42 13)</small>		
22 42 13 16-0001			Vitreous China Urinals <small>(22 42 13 16)</small> Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002			Wall Hung Urinals <small>(22 42 13 16-0001)</small>		
22 42 13 16-0003	EA		Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	711.78	144.98
22 42 13 16-0004	EA		Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	837.47	144.98
22 42 13 16-0005	EA		Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®)	863.75	144.98
22 42 13 16-0006	EA		Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™).....	902.36	144.98
22 42 13 16-0007	EA		Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	835.42	144.98
22 42 13 16-0008	EA		Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	729.45	144.98
22 42 13 16-0009	EA		Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV).....	853.88	144.98
22 42 13 16-0010	EA		Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV).....	752.31	144.98
22 42 13 16-0011	EA		Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798).....	801.67	144.98
22 42 13 16-0012	EA		Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A)	745.05	144.98
22 42 13 16-0013	EA		Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A).....	742.90	144.98
22 42 13 16-0014			Floor Mounted Urinals <small>(22 42 13 16-0001)</small>		
22 42 13 16-0015	EA		Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™).....	1,100.67	182.90
22 42 13 16-0016	EA		Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™).....	1,222.47	182.90
22 42 13 16-0017	EA		Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931).....	325.55	33.88
22 42 13 16-0018	EA		Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932).....	367.52	33.88
22 42 13 16-0019			Waterfree Urinals <small>(22 42 13 16-0001)</small>		
22 42 13 16-0020	EA		Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free).....	716.45	101.62
			<i>For Colored Fixtures, Add</i>	66.90	
			<i>For >1, Deduct</i>	-43.06	
22 42 13 16-0021	EA		Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)	1,250.96	101.62
			<i>For Colored Fixtures, Add</i>	66.90	
			<i>For >1, Deduct</i>	-104.00	
22 42 13 16-0022	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000).....	1,088.95	101.62
			<i>For Colored Fixtures, Add</i>	66.90	
			<i>For >1, Deduct</i>	-85.53	
22 42 13 16-0023	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000).....	854.57	101.62
			<i>For Colored Fixtures, Add</i>	66.90	
			<i>For >1, Deduct</i>	-58.81	
22 42 13 16-0024	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000).....	854.57	101.62
			<i>For Colored Fixtures, Add</i>	66.90	
			<i>For >1, Deduct</i>	-58.81	
22 42 13 16-0025	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000).....	1,038.90	101.62
			<i>For Colored Fixtures, Add</i>	66.90	
			<i>For >1, Deduct</i>	-79.82	
22 42 13 16-0026	EA		Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	1,531.36	101.62
			<i>For >1, Deduct</i>	-135.96	
22 42 13 16-0027			Stainless Steel Urinals <small>(22 42 13 16)</small>		
22 42 13 16-0028	EA		Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1).....	3,758.28	304.85
22 42 13 16-0029	EA		5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C).....	4,862.21	372.59



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0030 Urinal Carriers (22 42 13 16)		
22 42 13 16-0031 Floor Mounted, Urinal Carriers (22 42 13 16-0030) Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032 EA Floor Mounted Hanger Plate Type, Single Urinal Carrier .....598.70	598.70	51.49
For Up To 4" Extension Sleeves And Hardware, Add	28.35	
22 42 13 16-0033 EA Floor Mounted Bearing Plate Type, Single Urinal Carrier .....650.01	650.01	51.49
For Up To 4" Extension Sleeves And Hardware, Add	28.35	
22 42 13 16-0034 Wall Mounted, Urinal Carriers (22 42 13 16-0030) Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0035 EA Wall Mounted Hanger Plate Type, Single Urinal Carrier .....278.69	278.69	51.49
For Up To 6-1/2" Extension Sleeves And Hardware, Add	28.35	
22 42 13 16-0036 Removal And Reinstallation Of Fixtures And Trim (22 42 13 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037 EA Removal And Reinstallation Of Wall Hung Urinal With Flush Valve.....617.22	617.22	
22 42 16 Commercial Lavatories and Sinks (22 42)		
22 42 16 13 Commercial Lavatories (22 42 16)		
22 42 16 13-0001 Lavatories (22 42 16 13) Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002 Wall Hung Lavatories (22 42 16 13-0001)		
22 42 16 13-0003 EA 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™) .....661.50	661.50	90.77
22 42 16 13-0004 EA 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™) .....688.30	688.30	90.77
22 42 16 13-0005 EA 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™) .....838.44	838.44	90.77
22 42 16 13-0006 EA 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™).....612.62	612.62	90.77
22 42 16 13-0007 EA 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™).....537.73	537.73	90.77
22 42 16 13-0008 EA 20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®) .....661.06	661.06	90.77
22 42 16 13-0009 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™).....625.23	625.23	90.77
22 42 16 13-0010 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™).....559.80	559.80	90.77
22 42 16 13-0011 EA 27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users) .....766.35	766.35	90.77
22 42 16 13-0012 Countertop Lavatories (22 42 16 13-0001)		
22 42 16 13-0013 EA 20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®) .....640.59	640.59	109.74
22 42 16 13-0014 EA 21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval) .....652.28	652.28	109.74
22 42 16 13-0015 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™).....684.92	684.92	109.74
22 42 16 13-0016 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™).....719.59	719.59	109.74
22 42 16 13-0017 EA 24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®).....918.97	918.97	118.55
22 42 16 13-0018 Undermount Lavatories (22 42 16 13-0001)		
22 42 16 13-0019 EA 15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™) .....623.79	623.79	109.74
22 42 16 13-0020 EA 17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™) .....591.59	591.59	109.74
22 42 16 13-0021 EA 19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™) .....591.59	591.59	109.74
22 42 16 13-0022 EA 21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™) .....630.79	630.79	109.74
22 42 16 13-0023 EA 15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®) .....607.14	607.14	109.74
22 42 16 13-0024 EA 17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®) .....601.20	601.20	109.74
22 42 16 13-0025 EA 19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®) .....607.25	607.25	109.74
22 42 16 13-0026 EA 18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®) .....740.55	740.55	109.74
22 42 16 13-0027 EA 21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®) .....740.55	740.55	109.74
22 42 16 13-0028 Pedestal Lavatories (22 42 16 13-0001)		
22 42 16 13-0029 EA 19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™).....783.47	783.47	260.81
22 42 16 13-0030 Cultured Marble Vanity Tops (22 42 16 13-0001) Note: Includes predrilled holes for faucet.		
22 42 16 13-0031 EA 25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....442.65	442.65	101.62
22 42 16 13-0032 EA 31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....500.17	500.17	108.39
22 42 16 13-0033 EA 37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....602.29	602.29	115.16
22 42 16 13-0034 EA 49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....823.08	823.08	121.94
22 42 16 13-0035 EA 25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....475.05	475.05	101.62
22 42 16 13-0036 EA 31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....509.30	509.30	108.39
22 42 16 13-0037 EA 37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....656.19	656.19	115.16
22 42 16 13-0038 EA 43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....714.86	714.86	118.55
22 42 16 13-0039 EA 49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....800.28	800.28	121.94
22 42 16 13-0040 Quartz Vanity Tops (22 42 16 13-0001) Note: Includes predrilled holes for faucet.		
22 42 16 13-0041 EA 25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....748.93	748.93	101.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0042 EA 31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	782.23	108.39
22 42 16 13-0043 EA 37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	889.79	115.16
22 42 16 13-0044 EA 43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	897.92	118.55
22 42 16 13-0045 EA 49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	973.00	121.94
22 42 16 13-0046 EA 61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,272.38	128.71
22 42 16 13-0047 EA 73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,487.16	135.47
22 42 16 13-0048 EA 22" End Splash For Quartz Vanity Tops	40.45	
22 42 16 13-0049 Solid Surface Vanity Tops (22 42 16 13-0001) Note: Includes predrilled holes for faucet.		
22 42 16 13-0050 EA 25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	642.47	101.62
22 42 16 13-0051 EA 31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	715.16	108.39
22 42 16 13-0052 EA 37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	796.98	115.16
22 42 16 13-0053 EA 43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	869.74	118.55
22 42 16 13-0054 EA 49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	936.48	121.94
22 42 16 13-0055 EA 55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	1,023.68	125.32
22 42 16 13-0056 EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	1,130.10	128.71
22 42 16 13-0057 EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks.....	1,155.96	128.71
22 42 16 13-0058 EA 73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks.....	1,243.83	135.47
22 42 16 13-0059 EA 22" End Splash For Solid Surface Vanity Tops.....	58.60	
22 42 16 13-0060 Stainless Steel Lavatories (22 42 16 13-0001)		
22 42 16 13-0061 EA 18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1).....	1,940.25	237.11
22 42 16 13-0062 Solid Surface Multi-Station Lavatory Systems (22 42 16 13-0001) Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0063 EA 2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	6,637.84	178.37
For Integral Liquid Soap Dispenser, Add	171.00	
For Integral Photovoltaic Power Panels, Add	563.00	
22 42 16 13-0064 EA 3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	9,721.23	178.37
For Integral Liquid Soap Dispenser, Add	171.00	
For Integral Photovoltaic Power Panels, Add	657.00	
22 42 16 13-0065 EA 12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12).....	456.86	59.46
22 42 16 13-0066 EA 18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18).....	563.71	59.46
22 42 16 13-0067 EA 36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36).....	1,107.90	59.46
22 42 16 13-0068 Lavatory Carriers (22 42 16 13)		
22 42 16 13-0069 Floor Mounted, Lavatory Carriers (22 42 16 13-0068)		
22 42 16 13-0070 Floor Mounted Plate Type, Lavatory Carriers (22 42 16 13-0069) Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0071 EA Floor Mounted Hanger Plate Type, Single Lavatory Carrier	598.70	51.49
For Up To 4" Extension Sleeves And Hardware, Add	28.35	
For Valve Plate For Attaching To Upright, Add	102.13	
For Corner Carrier, Add	198.86	
22 42 16 13-0072 EA Floor Mounted Bearing Plate Type, Single Lavatory Carrier.....	650.01	51.49
For Up To 4" Extension Sleeves And Hardware, Add	28.35	
For Valve Plate For Attaching To Upright, Add	102.13	
22 42 16 13-0073 EA Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier.....	740.48	51.49
For Up To 4" Extension Sleeves And Hardware, Add	56.70	
For Valve Plate For Attaching To Upright, Add	204.25	
22 42 16 13-0074 EA Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier.....	844.45	51.49
For Up To 4" Extension Sleeves And Hardware, Add	56.70	
For Valve Plate For Attaching To Upright, Add	204.25	
22 42 16 13-0075 Floor Mounted, Lavatory Carriers With Arms (22 42 16 13-0069) Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0076 EA Floor Mounted, Single Lavatory Carrier With Concealed Arms.....	767.57	60.97
For Up To 6-1/2" Extension Sleeves And Hardware, Add	28.35	
For Concealed Arm Carrier For Wheelchair Lavatory, Add	39.16	
For Valve Plate For Attaching To Upright, Add	104.84	
For 2" Chrome Plated Escutcheons, Add	95.87	
For 4" Or 6" Chrome Plated Escutcheons, Add	174.18	
22 42 16 13-0077 EA Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	1,016.02	60.97
For Up To 4-1/2" Extension Sleeves And Hardware, Add	28.35	
For Vandal Proof Trim, Add	76.97	
For Valve Plate For Attaching To Upright, Add	104.84	
For Heavy Duty Carrier, Add	98.56	
22 42 16 13-0078 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms.....	1,014.66	60.97
For Up To 6-1/2" Extension Sleeves And Hardware, Add	56.70	
For Concealed Arm Carrier For Wheelchair Lavatory, Add	78.33	
For Valve Plate For Attaching To Upright, Add	209.67	
For 2" Chrome Plated Escutcheons, Add	191.73	
For 4" Or 6" Chrome Plated Escutcheons, Add	348.36	



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0079 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms.....	1,489.97	60.97
For Up To 4-1/2" Extension Sleeves And Hardware, Add	56.70	
For Vandal Proof Trim, Add	153.94	
For Valve Plate For Attaching To Upright, Add	209.67	
For Heavy Duty Carrier, Add	197.13	
22 42 16 13-0080 Wall Mounted, Lavatory Carriers (22 42 16 13-0068)		
22 42 16 13-0081 Wall Mounted Plate Type, Lavatory Carriers (22 42 16 13-0080)		
Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0082 EA Wall Mounted Hanger Plate Type, Single Lavatory Carrier.....	278.69	51.49
For Double Plate Carrier, Add	80.28	
22 42 16 13-0083 Wall Mounted Plate Type, Lavatory Carriers With Arms (22 42 16 13-0080)		
Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0084 EA Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	452.96	60.97
For Up To 4" Extension Sleeves And Hardware, Add	28.35	
For 2" Chrome Plated Escutcheons, Add	95.87	
22 42 16 13-0085 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	528.58	60.97
For Movable Mounting Brackets, Deduct	-72.92	
For Up To 4" Extension Sleeves And Hardware, Add	28.35	
For 2" Chrome Plated Escutcheons, Add	95.87	
For 4" Or 6" Chrome Plated Escutcheons, Add	174.18	
22 42 16 13-0086 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms.....	762.18	60.97
For Up To 4-1/2" Extension Sleeves And Hardware, Add	28.35	
For Vandal Proof Trim, Add	76.97	
22 42 16 13-0087 Removal And Reinstallation Of Lavatory And Trim (22 42 16 13)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0088 EA Removal And Reinstallation Of Wall Hung Lavatory With Faucet.....	398.50	
22 42 16 16 Commercial Sinks (22 42 16)		
22 42 16 16-0001 Sinks (22 42 16 16)		
Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002 Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0003 EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®).....	829.77	127.35
22 42 16 16-0004 EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®).....	1,049.95	144.98
22 42 16 16-0005 EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517).....	987.76	124.65
For 18 Gauge, Add	239.84	
22 42 16 16-0006 EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722).....	1,009.62	124.65
For 18 Gauge, Add	250.77	
22 42 16 16-0007 EA 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222).....	1,058.81	124.65
For 18 Gauge, Add	275.37	
22 42 16 16-0008 EA 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522).....	1,107.85	127.35
For 18 Gauge, Add	291.76	
22 42 16 16-0009 EA 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122).....	1,374.54	144.98
For 18 Gauge, Add	399.25	
22 42 16 16-0010 EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321).....	1,401.05	144.98
For 18 Gauge, Add	412.26	
22 42 16 16-0011 EA 33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	1,749.92	144.98
22 42 16 16-0012 EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	1,342.09	124.65
22 42 16 16-0013 EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	1,366.69	124.65
22 42 16 16-0014 EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,428.63	124.65
22 42 16 16-0015 EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,516.84	127.35
22 42 16 16-0016 EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,819.96	144.98
22 42 16 16-0017 Undermount Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0018 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	1,210.85	124.65
22 42 16 16-0019 EA 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	1,208.19	124.65
22 42 16 16-0020 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	1,219.96	124.65
22 42 16 16-0021 EA 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	1,281.90	124.65
22 42 16 16-0022 EA 21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99).....	1,242.73	124.65
Note: Available in 4-1/2", 5, or 5-1/2" depths.		
22 42 16 16-0023 EA 25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99).....	1,401.49	124.65
22 42 16 16-0024 EA 32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99).....	1,638.84	124.65
22 42 16 16-0025 EA 21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A).....	1,013.47	124.65
22 42 16 16-0026 EA 32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A).....	1,279.98	124.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0027 Multi-Station Wash Sink, Wall Mounted <small>(22 42 16 16-0001)</small>		
Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028 EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,114.79	220.17
Note: Excludes faucets.		
22 42 16 16-0029 EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,753.51	237.11
Note: Excludes faucets.		
22 42 16 16-0030 EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	3,141.29	254.04
Note: Excludes faucets.		
22 42 16 16-0031 EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,404.42	169.36
Note: Excludes faucets.		
22 42 16 16-0032 EA 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,667.12	186.29
Note: Excludes faucets.		
22 42 16 16-0033 EA 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,924.93	203.23
Note: Excludes faucets.		
22 42 16 16-0034 EA 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	3,248.42	228.64
Note: Excludes faucets.		
22 42 16 16-0035 EA 27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	3,090.10	372.59
Note: Includes sensor operated spray heads.		
22 42 16 16-0036 Utility Or Laundry Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0037 EA 23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	782.71	144.98
22 42 16 16-0038 EA 40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	880.38	144.98
22 42 16 16-0039 EA 22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	780.62	144.98
22 42 16 16-0040 EA 24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	1,125.83	144.98
22 42 16 16-0041 EA 48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,550.62	162.59
22 42 16 16-0042 Refinish Sink/Lavatory <small>(22 42 16 16-0001)</small>		
22 42 16 16-0043 EA Refinish Sink/Lavatory	304.93	
22 42 16 16-0044 Service Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0045 EA 22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	1,117.68	218.14
22 42 16 16-0046 EA 24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	1,170.95	218.14
22 42 16 16-0047 EA 28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,473.47	288.59
22 42 16 16-0048 EA 12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F).....	656.60	203.23
22 42 16 16-0049 EA 24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	741.66	203.23
22 42 16 16-0050 EA 36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	827.73	243.87
22 42 16 16-0051 EA 24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	707.64	203.23
22 42 16 16-0052 EA 36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	809.77	243.87
22 42 16 16-0053 EA 24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	1,042.63	203.23
22 42 16 16-0054 EA 36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	1,284.14	243.87
22 42 16 16-0055 Stainless Steel Sink And Drainboard <small>(22 42 16 16-0001)</small>		
22 42 16 16-0056 EA Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	3,849.52	338.72
22 42 16 16-0057 Sink Carriers <small>(22 42 16 16)</small>		
22 42 16 16-0058 Floor Mounted, Sink Carriers <small>(22 42 16 16-0057)</small>		
Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0059 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling.....	862.00	51.49
<i>For Vandal Proof Trim, Add</i> 76.97		
<i>For Valve Plate For Attaching To Upright, Add</i> 102.13		
22 42 16 16-0060 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	1,325.14	51.49
<i>For Vandal Proof Trim, Add</i> 76.97		
<i>For Auxiliary Vent, Add</i> 230.42		
22 42 16 16-0061 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms.....	1,654.62	51.49
<i>For Up To 4" Extension Sleeves And Hardware, Add</i> 58.06		
<i>For Vandal Proof Trim, Add</i> 76.97		
22 42 16 16-0062 Removal And Reinstallation Of Sink And Trim <small>(22 42 16 16)</small>		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0063 EA Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	546.32	
22 42 19 Commercial Bathtubs <small>(22 42)</small>		
22 42 19 00-0001 Recessed Alcove Bathtubs <small>(22 42 19)</small>		



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs <small>(22 42 19 00-0001)</small>		
22 42 19 00-0003 EA 54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	1,621.95	376.65
22 42 19 00-0004 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,412.15	376.65
22 42 19 00-0005 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynamic®).....	1,627.22	376.65
22 42 19 00-0006 EA 66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®).....	2,049.17	376.65
22 42 19 00-0007 Porcelain Enameled Steel, Recessed Alcove Bathtubs <small>(22 42 19 00-0001)</small>		
22 42 19 00-0008 EA 60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	806.05	376.65
22 42 19 00-0009 EA 60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	821.07	376.65
22 42 19 00-0010 Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs <small>(22 42 19 00-0001)</small>		
22 42 19 00-0011 EA 60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	1,116.84	376.65
22 42 19 00-0012 Acrylic, Recessed Alcove Bathtubs <small>(22 42 19 00-0001)</small>		
22 42 19 00-0013 EA 60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	1,145.25	376.65
22 42 19 00-0014 EA 60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,326.89	376.65
22 42 19 00-0015 EA 66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,350.35	376.65
22 42 19 00-0016 EA 72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,335.93	376.65
22 42 19 00-0017 EA 72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	1,387.80	376.65
22 42 19 00-0018 Bathtub Refinishing <small>(22 42 19 00-0001)</small>		
22 42 19 00-0019 EA Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	739.37	
22 42 19 00-0020 Tub And Shower Combinations <small>(22 42 19)</small>		
22 42 19 00-0021 Acrylic Tub And Shower Combination <small>(22 42 19 00-0020)</small>		
22 42 19 00-0022 EA 1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032).....	1,324.41	128.42
<i>For 2 Piece Enclosure, Deduct</i>	-290.65	
22 42 19 00-0023 Fiberglass Tub And Shower Combination <small>(22 42 19 00-0020)</small>		
22 42 19 00-0024 EA 1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	928.63	128.42
22 42 19 00-0025 EA 2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	723.83	85.61
22 42 19 00-0026 EA 4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P).....	1,462.90	193.83
22 42 19 00-0027 EA 3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872).....	3,378.11	358.22
<i>For 2 Piece Enclosure, Deduct</i>	-702.76	
22 42 23 Commercial Showers <small>(22 42)</small>		
22 42 23 00-0001 Shower Enclosures <small>(22 42 23)</small>		
Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002 Powder Coated Or Baked Enamel Steel Shower Enclosure <small>(22 42 23 00-0001)</small>		
22 42 23 00-0003 EA 32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,771.16	218.53
22 42 23 00-0004 EA 36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,771.16	218.53
22 42 23 00-0005 EA 40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	2,624.98	218.53
22 42 23 00-0006 EA 40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions).....	2,878.46	218.53
22 42 23 00-0007 Solid Plastic Core High Density Polymer (HDP) Shower Enclosure <small>(22 42 23 00-0001)</small>		
22 42 23 00-0008 EA 32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,851.78	218.53
22 42 23 00-0009 EA 36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,851.78	218.53
22 42 23 00-0010 EA 40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	4,052.47	218.53
22 42 23 00-0011 EA 40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	4,519.41	218.53
22 42 23 00-0012 Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down <small>(22 42 23 00-0001)</small>		
22 42 23 00-0013 EA 32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS).....	1,499.12	218.53
22 42 23 00-0014 EA 36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS).....	1,538.53	218.53
22 42 23 00-0015 EA 34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS).....	1,577.94	218.53
22 42 23 00-0016 EA 30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL).....	1,656.76	218.53
22 42 23 00-0017 EA 34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS).....	1,761.19	218.53
22 42 23 00-0018 1 Piece Shower Units <small>(22 42 23)</small>		
22 42 23 00-0019 EA 1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232).....	1,262.96	128.42
22 42 23 00-0020 EA 1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636).....	1,407.67	128.42
22 42 23 00-0021 Personnel Type Shower Receptors <small>(22 42 23)</small>		
22 42 23 00-0022 Acrylic Shower Receptors <small>(22 42 23 00-0021)</small>		
22 42 23 00-0023 EA 36" x 36" Acrylic Shower Receptor.....	486.20	55.19
22 42 23 00-0024 EA 42" x 42" Acrylic Shower Receptor.....	511.41	55.19



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0025	EA		48" x 48" Acrylic Shower Receptor	561.75	55.19
22 42 23 00-0026	EA		60" x 60" Acrylic Shower Receptor	682.46	66.23
22 42 23 00-0027	EA		48" x 32" Acrylic Shower Receptor	487.39	55.19
22 42 23 00-0028	EA		48" x 36" Acrylic Shower Receptor	520.54	55.19
22 42 23 00-0029	EA		48" x 42" Acrylic Shower Receptor	582.22	55.19
22 42 23 00-0030	EA		60" x 30" Acrylic Shower Receptor	864.82	115.45
22 42 23 00-0031	EA		60" x 32" Acrylic Shower Receptor	651.09	66.23
22 42 23 00-0032	EA		60" x 36" Acrylic Shower Receptor	655.36	66.23
22 42 23 00-0033	EA		60" x 42" Acrylic Shower Receptor	659.27	66.23
22 42 23 00-0034	EA		60" x 48" Acrylic Shower Receptor	720.55	66.23
22 42 23 00-0035	EA		36" x 36" Acrylic Corner Shower Receptor.....	688.26	55.19
22 42 23 00-0036	EA		42" x 42" Acrylic Corner Shower Receptor.....	783.40	55.19
22 42 23 00-0037	EA		47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	1,191.55	109.68
22 42 23 00-0038			Molded Stone Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0039	EA		32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	339.62	55.19
22 42 23 00-0040	EA		34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	353.84	55.19
22 42 23 00-0041	EA		36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	355.43	55.19
22 42 23 00-0042	EA		42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	425.75	55.19
22 42 23 00-0043	EA		42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	383.08	55.19
22 42 23 00-0044	EA		48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	402.84	55.19
22 42 23 00-0045	EA		48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	405.21	55.19
22 42 23 00-0046	EA		54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	471.24	66.23
22 42 23 00-0047	EA		60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	486.25	66.23
22 42 23 00-0048	EA		36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC).....	387.03	55.19
22 42 23 00-0049	EA		38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC).....	395.73	55.19
22 42 23 00-0050			Precast Terrazzo Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0051	EA		30" x 30" Precast Terrazzo Shower Receptor	597.23	55.19
22 42 23 00-0052	EA		32" x 32" Precast Terrazzo Shower Receptor	618.57	55.19
22 42 23 00-0053	EA		34" x 34" Precast Terrazzo Shower Receptor	638.32	55.19
22 42 23 00-0054	EA		36" x 36" Precast Terrazzo Shower Receptor	640.69	55.19
22 42 23 00-0055	EA		40" x 40" Precast Terrazzo Shower Receptor	696.80	55.19
22 42 23 00-0056	EA		42" x 42" Precast Terrazzo Shower Receptor	725.24	55.19
22 42 23 00-0057	EA		48" x 48" Precast Terrazzo Shower Receptor	1,000.24	55.19
22 42 23 00-0058	EA		36" x 32" Precast Terrazzo Shower Receptor	633.58	55.19
22 42 23 00-0059	EA		42" x 32" Precast Terrazzo Shower Receptor	644.91	55.19
22 42 23 00-0060	EA		42" x 34" Precast Terrazzo Shower Receptor	665.19	55.19
22 42 23 00-0061	EA		42" x 36" Precast Terrazzo Shower Receptor	690.47	55.19
22 42 23 00-0062	EA		32" x 48" Precast Terrazzo Shower Receptor	692.84	55.19
22 42 23 00-0063	EA		48" x 34" Precast Terrazzo Shower Receptor	725.24	55.19
22 42 23 00-0064	EA		54" x 32" Precast Terrazzo Shower Receptor	757.64	55.19
22 42 23 00-0065	EA		60" x 30" Precast Terrazzo Shower Receptor	1,016.98	66.23
22 42 23 00-0066	EA		60" x 32" Precast Terrazzo Shower Receptor	1,106.64	66.23
22 42 23 00-0067	EA		60" x 34" Precast Terrazzo Shower Receptor	1,111.04	66.23
22 42 23 00-0068	EA		60" x 36" Precast Terrazzo Shower Receptor	1,115.41	66.23
22 42 23 00-0069	EA		32" x 32" Precast Terrazzo Corner Shower Receptor	643.85	55.19
22 42 23 00-0070	EA		34" x 34" Precast Terrazzo Corner Shower Receptor	644.91	55.19
22 42 23 00-0071	EA		36" x 36" Precast Terrazzo Corner Shower Receptor	647.01	55.19
22 42 23 00-0072	EA		40" x 40" Precast Terrazzo Corner Shower Receptor	766.33	55.19
22 42 23 00-0073	EA		36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,355.04	55.19
22 42 23 00-0074	EA		60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,512.73	66.23
22 42 23 00-0075	EA		60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,574.37	66.23
22 42 23 00-0076			Shower Receptors Accessories (22 42 23 00-0021)		
22 42 23 00-0077	SF		Polyvinyl Chloride (PVC) Shower Pan Liner	4.54	
22 42 23 00-0078			Removal And Reinstallation Of Fixtures And Trim (22 42 23)		
22 42 23 00-0079	EA		Removal And Reinstallation Of Shower Head.....	66.23	
22 42 33			Wash Fountains (22 42)		
22 42 33 00-0001			Circular Wash Fountain, Deep Bowl (22 42 33)		
			Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0002	EA		36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	8,485.50	208.10
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0003	EA		36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	5,103.18	208.10
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0004	EA		36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSD)	8,732.62	208.10
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0005 EA 54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	10,791.52	237.82
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0006 EA 54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,886.22	237.82
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0007 EA 54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	10,454.50	237.82
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl <small>(22 42 33)</small>		
<small>Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.</small>		
22 42 33 00-0009 EA 36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	7,400.65	178.37
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0010 EA 36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,650.29	178.37
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0011 EA 36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,636.64	178.37
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0012 EA 54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	9,071.86	208.10
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0013 EA 54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,605.91	208.10
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0014 EA 54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,891.73	208.10
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 39 Commercial Faucets, Supplies, and Trim <small>(22 42)</small>		
22 42 39 00-0001 Kitchen Faucets <small>(22 42 39)</small>		
22 42 39 00-0002 EA Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	213.17	67.74
22 42 39 00-0003 EA Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST).....	236.49	67.74
22 42 39 00-0004 EA Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	223.27	67.74
22 42 39 00-0005 EA Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440-SS-DST).....	248.79	67.74
22 42 39 00-0006 EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	200.85	67.74
22 42 39 00-0007 EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	217.27	67.74
22 42 39 00-0008 EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	272.64	67.74
22 42 39 00-0009 EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	203.16	67.74
22 42 39 00-0010 EA Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	196.94	67.74
22 42 39 00-0011 EA Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	227.34	67.74
22 42 39 00-0012 EA Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	368.15	67.74
22 42 39 00-0013 EA Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	400.80	67.74
22 42 39 00-0014 EA Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	382.17	73.58
22 42 39 00-0015 EA Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	380.58	73.58
22 42 39 00-0016 EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	292.73	73.58
22 42 39 00-0017 EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	628.70	67.74
22 42 39 00-0018 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	787.12	67.74
22 42 39 00-0019 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	839.93	67.74
22 42 39 00-0020 EA Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	628.70	67.74
22 42 39 00-0021 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	787.12	67.74
22 42 39 00-0022 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	839.93	67.74
22 42 39 00-0023 Lavatory Faucets <small>(22 42 39)</small>		
22 42 39 00-0024 EA Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	243.29	48.77
22 42 39 00-0025 EA 4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF).....	175.84	48.77
22 42 39 00-0026 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	212.74	48.77
22 42 39 00-0027 EA 4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	231.13	48.77
22 42 39 00-0028 EA Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	278.65	48.77
22 42 39 00-0029 EA Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF).....	320.86	48.77
22 42 39 00-0030 EA Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	204.80	48.77
22 42 39 00-0031 EA Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	299.80	48.77
22 42 39 00-0032 EA Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	222.45	48.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0033 EA 3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	227.08	48.77
22 42 39 00-0034 EA 3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	269.46	48.77
22 42 39 00-0035 EA 4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	264.45	48.77
22 42 39 00-0036 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104).....	220.24	48.77
22 42 39 00-0037 Bath And Shower Faucets (22 42 39)		
22 42 39 00-0038 Bath And Shower Faucets With Valve Body (22 42 39 00-0037)		
22 42 39 00-0039 EA Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500).....	231.73	58.80
22 42 39 00-0040 EA Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	266.52	58.80
22 42 39 00-0041 EA Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	288.83	58.80
22 42 39 00-0042 EA Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505).....	216.56	58.80
<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0043 EA Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501).....	225.48	58.80
<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0044 EA Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502).....	251.36	58.80
<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0045 EA Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502).....	280.80	58.80
<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0046 Shower Valves And Trim (22 42 39)		
<i>See CSI section 22 41 39 00-0011 for residential shower valves and heads.</i>		
22 42 39 00-0047 EA Senior Institutional Shower Head (Symmons® 4-150).....	226.15	58.80
22 42 39 00-0048 EA Universal Institutional Shower Head (Symmons® 4-151).....	359.01	58.80
22 42 39 00-0049 EA Fre-Flo Institutional Shower Head (Symmons® 4-295).....	261.13	58.80
22 42 39 00-0050 EA Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	203.84	58.80
22 42 39 00-0051 EA Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	795.23	88.07
22 42 39 00-0052 EA Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	670.80	101.62
22 42 39 00-0053 EA Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	864.69	101.62
22 42 39 00-0054 EA Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	1,195.96	108.39
22 42 39 00-0055 EA Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	394.41	91.46
22 42 39 00-0056 EA Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	802.80	91.46
22 42 39 00-0057 EA Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	577.83	91.46
22 42 39 00-0058 EA Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	1,087.98	91.46
<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
<i>For Recessed Soap Dish, Add</i>	108.12	
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0059 EA Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	1,281.60	91.46
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	106.44	
<i>For Recessed Soap Dish, Add</i>	108.12	
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0060 EA Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	892.80	91.46
<i>For Hand Spray, Hose And Wall Hooks, Add</i>	19.32	
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	78.39	
<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0061 EA Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	1,315.64	91.46
<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0062 EA Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	1,406.79	91.46
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0063 EA Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	2,542.07	91.46
<i>For Recessed Soap Dish, Add</i>	83.94	
<i>For Pressure Balance And Metering Combination, Add</i>	227.79	
22 42 39 00-0064 EA Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	2,228.57	91.46
<i>For Recessed Soap Dish, Add</i>	83.94	
<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0065 EA Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	1,150.07	91.46
22 42 39 00-0066 EA Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	1,731.66	91.46
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0067 EA Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	1,148.61	91.46



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0068	EA			Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	1,145.40	91.46
				<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
22 42 39 00-0069	EA			Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	841.23	81.29
22 42 39 00-0070	EA			Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500).....	644.89	58.80
22 42 39 00-0071				Service Sink Faucets <small>(22 42 39)</small>		
22 42 39 00-0072	EA			4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™).....	492.72	112.79
22 42 39 00-0073	EA			3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235).....	368.34	112.79
22 42 39 00-0074	EA			3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243).....	392.43	112.79
22 42 39 00-0075	EA			6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	404.92	112.79
22 42 39 00-0076	EA			7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101).....	534.24	158.11
22 42 39 00-0077	EA			7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110).....	600.22	180.20
22 42 39 00-0078	EA			11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115).....	678.74	180.20
22 42 39 00-0079	EA			Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRFC).....	402.29	112.79
22 42 39 00-0080	EA			8" Spout Wall Mount Service Sink, Wrist Blade Handles (Chicago 445-L8ABCP).....	608.89	180.20
22 42 39 00-0081	EA			44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB).....	797.23	180.20
22 42 39 00-0082				Laboratory Faucets And Fittings <small>(22 42 39)</small>		
22 42 39 00-0083	EA			Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	201.00	47.97
22 42 39 00-0084	EA			Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929).....	323.72	67.74
22 42 39 00-0085	EA			Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930).....	409.58	67.74
22 42 39 00-0086	EA			Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	262.61	63.27
22 42 39 00-0087	EA			6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940).....	359.05	90.23
22 42 39 00-0088	EA			6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	471.00	90.23
22 42 39 00-0089	EA			Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946).....	374.54	67.74
22 42 39 00-0090	EA			Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942).....	379.39	90.23
22 42 39 00-0091	EA			Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	244.94	52.09
22 42 39 00-0092	EA			Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	345.24	73.58
22 42 39 00-0093	EA			4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802).....	274.29	73.58
22 42 39 00-0094	EA			4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317CP).....	326.95	73.58
22 42 39 00-0095	EA			Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP).....	98.08	45.25
22 42 39 00-0096	EA			Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	512.46	81.29
22 42 39 00-0097	EA			Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP).....	647.71	81.29
22 42 39 00-0098	EA			Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP).....	770.93	81.29
22 42 39 00-0099	EA			Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP).....	686.32	81.29
22 42 39 00-0100	EA			Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM).....	809.70	81.29
22 42 39 00-0101	EA			Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA).....	168.89	44.71
22 42 39 00-0102	EA			90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA).....	234.04	53.65
22 42 39 00-0103	EA			180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA).....	234.04	53.65
22 42 39 00-0104	EA			Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA).....	299.18	62.59
22 42 39 00-0105	EA			Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA).....	364.32	71.54
22 42 39 00-0106				Gooseneck Faucets With Independent Eyewash <small>(22 42 39)</small>		
22 42 39 00-0107	EA			Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	875.51	50.81
22 42 39 00-0108	EA			Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL).....	945.92	47.42
22 42 39 00-0109	EA			8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8).....	1,216.77	50.81
22 42 39 00-0110	EA			Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	1,283.95	50.81
22 42 39 00-0111	EA			Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	1,548.09	33.88
22 42 39 00-0112	EA			Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP).....	1,884.22	84.68
22 42 39 00-0113	EA			Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW).....	2,617.07	84.68
22 42 39 00-0114	EA			8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW).....	2,702.57	84.68
22 42 39 00-0115	EA			Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101).....	310.99	51.51
22 42 39 00-0116	EA			Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200).....	339.66	51.51
22 42 39 00-0117	EA			Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201).....	364.69	51.51
22 42 39 00-0118	EA			6 Gallon Capacity, Tempering Valve (WaterSaver AP3600).....	1,510.77	33.88



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0119			Bubblers And Glass Fillers <small>(22 42 39)</small>		
22 42 39 00-0120	EA		Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP).....	336.63	47.97
22 42 39 00-0121	EA		Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	310.10	63.27
22 42 39 00-0122	EA		7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP).....	332.36	47.97
22 42 39 00-0123	EA		Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP).....	224.55	68.72
22 42 39 00-0124	EA		Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF).....	392.08	52.09
22 42 39 00-0125	EA		Push Button Bubbler, 1/2" OD (Haws 5017LF).....	396.99	52.09
22 42 39 00-0126	EA		Push Button Bubbler, 3/8" NPT (Haws 5010-6427).....	334.97	52.09
22 42 39 00-0127			Automatic Electronic Sensor Faucets <small>(22 42 39)</small>		
22 42 39 00-0128	EA		Electronic Lavatory Faucet (American Standard 6055.205.002).....	627.99	113.00
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0129	EA		Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002).....	633.34	113.00
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0130	EA		Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1).....	834.96	122.73
22 42 39 00-0131	EA		Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1).....	862.86	113.00
22 42 39 00-0132	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880).....	1,258.91	122.73
22 42 39 00-0133	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT).....	1,560.59	122.73
22 42 39 00-0134	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187).....	1,461.66	122.73
22 42 39 00-0135	EA		Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM).....	1,033.86	113.00
22 42 39 00-0136	EA		Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100).....	1,041.00	113.00
22 42 39 00-0137	EA		Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101).....	1,097.85	113.00
22 42 39 00-0138	EA		Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102).....	955.73	113.00
22 42 39 00-0139	EA		Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100).....	1,097.85	113.00
22 42 39 00-0140	EA		Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102).....	963.65	113.00
22 42 39 00-0141	EA		Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100).....	963.65	113.00
22 42 39 00-0142	EA		Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101).....	1,080.52	113.00
22 42 39 00-0143	EA		Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102).....	921.78	113.00
22 42 39 00-0144	EA		4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103).....	885.92	113.00
22 42 39 00-0145	EA		Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60).....	1,226.70	113.00
22 42 39 00-0146			Other Trim <small>(22 42 39)</small>		
22 42 39 00-0147	EA		Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330).....	21.35	7.36
22 42 39 00-0148	EA		1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP).....	141.93	22.08
22 42 39 00-0149	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036).....	42.22	14.22
22 42 39 00-0150	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037).....	42.22	14.22
22 42 39 00-0151	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558).....	54.76	14.22
22 42 39 00-0152	PR		Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line.....	41.45	15.63
22 42 39 00-0153	EA		12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	25.45	9.20
22 42 39 00-0154	EA		12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	26.02	9.20
22 42 39 00-0155			Removal And Reinstallation Of Fixtures And Trim <small>(22 42 39)</small>		
			Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0156	EA		Removal And Reinstallation Of Faucet.....	117.72	
22 42 43			Flushometers <small>(22 42)</small>		
22 42 43 00-0001			Water Closet Flush Valves <small>(22 42 43)</small>		
22 42 43 00-0002	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL).....	335.17	46.21
22 42 43 00-0003	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	325.16	46.21
22 42 43 00-0004	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	375.43	46.21
22 42 43 00-0005	EA		Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140).....	517.40	46.21
22 42 43 00-0006	EA		Top Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-142).....	573.90	46.21
22 42 43 00-0007	EA		Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S).....	1,037.77	46.21
22 42 43 00-0008	EA		Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	1,042.82	46.21
22 42 43 00-0009	EA		Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S).....	1,099.81	46.21
22 42 43 00-0010	EA		Dual Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113).....	1,023.30	46.21
22 42 43 00-0011	EA		Exposed Water Closet Flush Valve (Sloan Uppercut WES-115).....	459.76	46.21
			Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012	EA		Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110).....	715.80	46.21
22 42 43 00-0013	EA		Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A).....	449.09	46.21
22 42 43 00-0014	EA		Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X).....	447.02	46.21
22 42 43 00-0015	EA		Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A).....	447.14	40.64
22 42 43 00-0016	EA		Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X).....	485.54	40.64
22 42 43 00-0017	EA		1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN).....	1,052.51	46.21
22 42 43 00-0018	EA		Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32).....	1,151.83	46.21
22 42 43 00-0019	EA		1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31).....	1,464.98	46.21
22 42 43 00-0020	EA		1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32).....	1,464.98	46.21
22 42 43 00-0021	EA		Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS).....	953.42	46.21
22 42 43 00-0022	EA		Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV).....	945.57	46.21
22 42 43 00-0023	EA		Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A).....	468.70	40.64
22 42 43 00-0024	EA		6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451).....	146.52	7.40
22 42 43 00-0025	EA		Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28).....	590.75	46.21



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0026 EA Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET).....	359.61	46.21
22 42 43 00-0027 EA Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET).....	974.65	46.21
22 42 43 00-0028 Urinal Flush Valves (22 42 43)		
22 42 43 00-0029 EA 3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL)..... Note: 0.5, 1.0 or 1.5 GPF.	257.23	46.21
22 42 43 00-0030 EA 1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180)..... Note: 1.0, 1.5 or 3.5 GPF.	274.91	46.21
22 42 43 00-0031 EA Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195)..... Note: 1.0 or 1.5 GPF.	359.40	46.21
22 42 43 00-0032 EA Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197)..... Note: 1.0 or 1.5 GPF.	428.99	46.21
22 42 43 00-0033 EA Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S)..... Note: 1.0 or 1.5 GPF.	658.41	46.21
22 42 43 00-0034 EA Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S)..... Note: 0.5, 1.0 or 1.5 GPF.	874.98	46.21
22 42 43 00-0035 EA Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S)..... Note: 0.5, 1.0 or 1.5 GPF.	978.13	46.21
22 42 43 00-0036 EA Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1)..... Note: 1.0 GPF.	648.06	46.21
22 42 43 00-0037 EA Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12)..... Note: 0.5 GPF.	1,145.43	46.21
22 42 43 00-0038 EA Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13)..... Note: 0.13 GPF.	523.01	46.21
22 42 43 00-0039 EA 3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF)..... Note: 0.125 GPF.	290.42	46.21
22 42 43 00-0040 EA Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF)..... Note: 0.125 GPF.	696.67	46.21
22 42 43 00-0041 EA Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS)..... Note: 0.125 GPF.	711.76	46.21
22 42 43 00-0042 Removal And Reinstallation Of Fixtures And Trim (22 42 43)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0043 EA Removal And Reinstallation Of Flush Valve.....	183.95	
22 42 43 00-0044 Plumbing Control Transformers (22 42 43)		
22 42 43 00-0045 EA 6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6).....	66.97	
22 42 46 Chemical Toilets (22 42)		
Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001 Standard Chemical Toilets (22 42 46)		
22 42 46 00-0002 Small Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0003 EA Chemical Toilet, Small Tank 7,000 Uses/Year..... For Extra Urinal, Add	5,590.39 179.67	1,354.87
22 42 46 00-0004 Medium Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0005 EA Chemical Toilet, Medium Tank 13,000 Uses/Year..... For Extra Urinal, Add	6,645.47 212.92	1,613.66
22 42 46 00-0006 Large Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0007 EA Chemical Toilet, Large Tank 28,000 Uses/Year..... For Extra Urinal, Add	7,930.98 281.00	1,830.43
22 43 Healthcare Plumbing Fixtures (22 40)		
22 43 13 Healthcare Water Closets (22 43)		
22 43 13 00-0001 Healthcare Water Closets (22 43 13)		
22 43 13 00-0002 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA).....	988.63	140.91
22 43 13 00-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	809.63	140.91
22 43 16 Healthcare Sinks (22 43)		
22 43 16 00-0001 Healthcare Sinks (22 43 16)		
Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002 EA 25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)..... For Stainless Steel Rim Guards (Three Sides), Add	1,296.68 108.61	90.77
22 43 16 00-0003 EA 29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)..... For Stainless Steel Rim Guards (Three Sides), Add For Pedestal Base, Add	1,426.91 108.61 497.95	260.81

22	Plumbing
22 40	Plumbing Fixtures
22 43	Healthcare Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 16 00-0004 EA 28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard).....	1,248.87	90.77
<i>For Painted Bracket Supports, Add</i>	183.67	
22 43 16 00-0005 EA 20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	1,105.43	90.77
22 43 39 Healthcare Faucets (22 43)		
22 43 39 00-0001 Medical Faucet Spouts (22 43 39)		
22 43 39 00-0002 EA Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522).....	109.89	20.33
22 43 39 00-0003 Electronic Proximity Medical Faucets (22 43 39)		
22 43 39 00-0004 EA DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU).....	608.34	99.44
<i>For Hard Wired AC Powered, Add</i>	24.73	
22 43 39 00-0005 Foot And Knee Faucet Controls (22 43 39)		
22 43 39 00-0006 EA Single Supply Metering Pedal Valve (Chicago Faucet 628).....	446.42	180.74
22 43 39 00-0007 EA Double Supply Metering Pedal Valve (Chicago Faucet 625).....	507.99	180.74
22 43 39 00-0008 EA Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP).....	982.54	180.74
22 43 39 00-0009 EA Double Knee Actuated Metering Mixing Valve (American Standard 7676).....	729.56	180.74
22 43 39 00-0010 Centerset Medical Faucets (22 43 39)		
22 43 39 00-0011 EA Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04).....	536.63	99.44
22 43 39 00-0012 EA Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04).....	542.20	99.44
22 43 39 00-0013 EA Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04).....	541.64	99.44
22 43 39 00-0014 EA Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04).....	488.67	99.44
22 43 39 00-0015 EA Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	469.71	99.44
22 43 39 00-0016 Bedpan Washers (22 43 39)		
22 43 39 00-0017 EA Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675).....	1,247.74	180.74
22 43 39 00-0018 EA Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676).....	1,189.35	180.74
22 43 39 00-0019 EA Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	1,172.06	180.74
22 43 39 00-0020 EA Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686).....	1,155.24	180.74
22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)		
22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers (22 43 43)		
22 43 43 00-0002 EA Exposed Manual Service Sink Flush Valve (Sloan Royal-117).....	252.56	46.21
22 43 43 00-0003 EA Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW).....	531.58	46.21
22 43 46 Healthcare Patient Care Units (22 43)		
22 43 46 00-0001 Patient Care Units (22 43 46)		
22 43 46 00-0002 EA 47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV).....	19,298.85	270.97
<i>For SDB Single Temperature Dialysis Box, Add</i>	1,395.48	
<i>For DDB Dual Temperature Dialysis Box, Add</i>	1,482.16	
<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	1,121.64	
<i>For LOCK Flush Valve Lockout Device, Add</i>	786.58	
22 43 46 00-0003 EA 31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC- AQCT-WB).....	15,223.95	237.11
<i>For SDB Single Temperature Dialysis Box, Add</i>	1,395.48	
<i>For DDB Dual Temperature Dialysis Box, Add</i>	1,482.16	
<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	1,121.64	
<i>For LOCK Flush Valve Lockout Device, Add</i>	786.58	
22 43 46 00-0004 Patient Care Plumbing Accessories (22 43 46)		
22 43 46 00-0005 EA One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920).....	1,834.01	36.79
22 43 46 00-0006 EA Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919).....	2,019.07	36.79

22 45 Emergency Plumbing Fixtures (22 40)

22 45 13 Emergency Showers (22 45)

22 45 13 00-0001 Emergency Drench Showers (22 45 13)

22 45 13 00-0002 Emergency Drench Showers (Haws) (22 45 13 00-0001)

Note: Includes one pull rod.



Plumbing	22	22
Plumbing Fixtures	22 40	
Emergency Plumbing Fixtures	22 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0003 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122).....	786.16	237.11
22 45 13 00-0004 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123).....	882.98	237.11
22 45 13 00-0005 EA Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC).....	936.76	237.11
22 45 13 00-0006 EA Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130).....	1,098.12	237.11
22 45 13 00-0007 EA Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H).....	1,431.60	237.11
22 45 13 00-0008 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100).....	1,176.63	270.97
22 45 13 00-0009 EA Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP).....	1,292.78	304.85
22 45 13 00-0010 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169).....	1,190.58	304.85
22 45 13 00-0011 EA Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163).....	1,212.10	304.85
22 45 13 00-0012 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164).....	1,615.49	304.85
22 45 13 00-0013 Emergency Drench Showers (Speakman) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0014 EA Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220).....	709.69	237.11
22 45 13 00-0015 EA Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227).....	727.28	237.11
22 45 13 00-0016 EA Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253).....	1,090.12	270.97
22 45 13 00-0017 Emergency Drench Showers (WaterSaver) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0018 EA Emergency Shower, Vertically Mounted (WaterSaver ES635).....	892.18	237.11
22 45 13 00-0019 EA Emergency Shower, Horizontally Mounted (WaterSaver ES643).....	910.46	237.11
22 45 13 00-0020 EA All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691).....	1,805.60	237.11
22 45 13 00-0021 EA Emergency Shower, Recess Mounted (WaterSaver ES629).....	1,378.23	304.85
22 45 13 00-0022 EA Emergency Shower, Semi-Concealed (WaterSaver ES658).....	1,791.80	304.85
22 45 16 Eyewash Equipment (22 45)		
22 45 16 00-0001 Emergency Eyewash Equipment (22 45 16)		
22 45 16 00-0002 Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)		
22 45 16 00-0003 EA Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620).....	293.24	6.78
22 45 16 00-0004 EA Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	1,529.43	304.85
22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver) (22 45 16 00-0001)		
22 45 16 00-0006 EA Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805).....	794.13	67.74
22 45 16 00-0007 EA Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH).....	794.13	67.74
22 45 16 00-0008 EA Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806).....	807.98	67.74
22 45 16 00-0009 EA Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH).....	807.98	67.74
22 45 16 00-0010 EA Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822).....	1,062.23	67.74
22 45 16 00-0011 EA Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848).....	1,205.46	67.74
22 45 16 00-0012 EA Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849).....	1,205.46	67.74
22 45 16 00-0013 EA Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893).....	2,204.44	67.74
22 45 16 00-0014 EA Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH).....	2,204.44	67.74
22 45 16 00-0015 EA Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895).....	2,305.22	67.74
22 45 16 00-0016 EA Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH).....	2,305.22	67.74
22 45 16 00-0017 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898).....	2,835.58	67.74
22 45 16 00-0018 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899).....	2,835.58	67.74
22 45 16 00-0019 EA Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808).....	1,519.26	237.11
22 45 16 00-0020 EA Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810).....	1,499.71	237.11
22 45 16 00-0021 EA Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814).....	1,114.41	237.11
22 45 16 00-0022 EA Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC).....	1,520.74	237.11
22 45 16 00-0023 EA Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P).....	969.34	237.11
22 45 23 Personal Eyewash Equipment (22 45)		
22 45 23 00-0001 Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002 Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003 EA Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H).....	1,729.11	20.33
22 45 26 Eye/Face Wash Equipment (22 45)		
22 45 26 00-0001 Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		

22 Plumbing**22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0003 EA Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460).....	806.66	169.36
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324).....	845.33	237.11
22 45 26 00-0005 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B).....	829.19	237.11
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT).....	892.66	237.11
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B).....	899.11	237.11
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT).....	975.49	237.11
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009 EA Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	1,280.99	237.11
22 45 26 00-0010 EA Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B).....	2,302.93	237.11
22 45 26 00-0011 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271).....	1,026.03	270.97
22 45 26 00-0012 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461).....	1,149.73	270.97
22 45 26 00-0013 EA Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777).....	2,397.58	270.97
22 45 26 00-0014 EA Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611).....	635.70	67.74
22 45 26 00-0015 EA Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612).....	614.19	67.74
22 45 26 00-0016 EA Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH).....	641.08	67.74
22 45 26 00-0017 EA Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	797.06	67.74
22 45 26 00-0018 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC).....	2,032.84	338.72
22 45 26 00-0019 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM).....	2,386.82	270.97
22 45 26 00-0020 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	2,484.65	338.72
22 45 26 00-0021 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM).....	2,849.38	270.97
22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)		
22 45 26 00-0023 EA Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495).....	782.97	237.11
22 45 26 00-0024 EA Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496).....	949.41	270.97
22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) (22 45 26 00-0001)		
22 45 26 00-0026 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724).....	1,369.40	237.11
22 45 26 00-0027 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC).....	1,775.73	237.11
22 45 26 00-0028 EA Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727).....	1,724.07	237.11
22 45 26 00-0029 EA Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765).....	1,600.81	237.11
22 45 26 00-0030 EA Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774).....	834.45	67.74
22 45 26 00-0031 EA Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH).....	834.45	67.74
22 45 26 00-0032 EA Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775).....	810.41	67.74
22 45 26 00-0033 EA Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH).....	810.41	67.74
22 45 26 00-0034 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778).....	1,223.53	67.74
22 45 26 00-0035 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779).....	1,223.53	67.74
22 45 26 00-0036 Emergency Eye/Face Wash Equipment (Guardian) (22 45 26 00-0001)		
Note: Includes one pull rod.		
22 45 26 00-0037 EA All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994).....	5,467.67	237.11
22 45 29 Hand-Held Emergency Drench Hoses (22 45)		
22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)		
22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)		
22 45 29 00-0003 EA Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	685.71	84.68
22 45 29 00-0004 EA Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	782.52	84.68
22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) (22 45 29 00-0001)		



Plumbing	22	22
Plumbing Fixtures	22 40	
Emergency Plumbing Fixtures	22 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 29 00-0006 EA Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020).....	653.95	84.68
22 45 29 00-0007 EA Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025).....	605.69	84.68
22 45 29 00-0008 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014).....	889.62	84.68
22 45 29 00-0009 EA Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022).....	835.92	84.68
22 45 29 00-0010 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026).....	855.15	84.68
22 45 29 00-0011 EA Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028).....	1,108.34	84.68
22 45 29 00-0012 EA Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB).....	1,276.74	84.68
22 45 29 00-0013 EA Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041).....	1,219.64	84.68
22 45 33 Combination Emergency Fixture Units (22 45)		
22 45 33 00-0001 Emergency Shower With Eye/Face Wash (22 45 33)		
22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)		
22 45 33 00-0003 EA Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330).....	4,027.16	440.34
22 45 33 00-0004 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP)..... Note: Includes freeze protection bury valve.	2,800.83	440.34
22 45 33 00-0005 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309).....	2,020.93	440.34
22 45 33 00-0006 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158).....	3,080.52	440.34
22 45 33 00-0007 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP).....	2,322.13	440.34
22 45 33 00-0008 EA Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC).....	2,198.42	440.34
22 45 33 00-0009 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317).....	1,913.36	440.34
22 45 33 00-0010 EA Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336).....	2,983.70	440.34
22 45 33 00-0011 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....	3,247.26	440.34
22 45 33 00-0012 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW).....	3,306.42	440.34
22 45 33 00-0013 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	3,666.79	440.34
22 45 33 00-0014 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD).....	3,876.55	440.34
22 45 33 00-0015 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....	3,817.39	440.34
22 45 33 00-0016 EA Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP).....	5,592.34	440.34
22 45 33 00-0017 EA Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V).....	5,882.78	440.34
22 45 33 00-0018 EA Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	12,175.77	440.34
22 45 33 00-0019 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	1,913.36	440.34
22 45 33 00-0020 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP).....	2,133.88	440.34
22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)		
22 45 33 00-0022 EA Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690).....	1,781.57	440.34
22 45 33 00-0023 Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)		
22 45 33 00-0024 EA All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994).....	5,767.89	367.90
22 45 33 00-0025 EA Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC).....	5,890.35	367.90
22 45 33 00-0026 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902).....	2,439.16	367.90
22 45 33 00-0027 EA Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P).....	2,248.64	367.90
22 45 33 00-0028 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC).....	2,845.50	367.90
22 45 36 Emergency Fixture Water-Tempering Equipment (22 45)		
22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment (22 45 36)		
22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)		
22 45 36 00-0003 EA 10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW).....	723.36	84.68

22	Plumbing
22 40	Plumbing Fixtures
22 45	Emergency Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 36 00-0004 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	1,040.70	84.68
22 45 36 00-0005 EA 31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,508.64	84.68
22 45 36 00-0006 EA 78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,772.19	84.68
22 45 36 00-0007 EA 31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,492.93	84.68
22 45 36 00-0008 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	2,627.39	84.68
22 45 36 00-0009 EA 74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	4,386.20	84.68
22 45 36 00-0010 EA 78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	5,262.92	84.68
22 45 36 00-0011 EA 1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B).....	804.04	84.68

22 45 39 Emergency Plumbing Fixture Accessories (22 45)

22 45 39 00-0001	Emergency Plumbing Fixture Accessories (22 45 39)		
22 45 39 00-0002	Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)		
22 45 39 00-0003 EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	188.66	27.10
22 45 39 00-0004 EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W).....	258.58	27.10
22 45 39 00-0005 EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	269.33	27.10
22 45 39 00-0006 EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	289.26	10.16
22 45 39 00-0007 EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	293.24	6.78
22 45 39 00-0008 EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	322.92	13.55
22 45 39 00-0009 EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFX).....	606.63	101.62
22 45 39 00-0010 EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP).....	594.45	44.43
22 45 39 00-0011 EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	874.14	44.43
22 45 39 00-0012 EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	1,040.70	101.62
22 45 39 00-0013 EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	1,922.97	44.43
22 45 39 00-0014 EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	2,178.72	148.11
22 45 39 00-0015 EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	2,221.75	148.11
22 45 39 00-0016 EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP).....	4,061.24	148.11
22 45 39 00-0017 EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1).....	7,664.92	148.11
22 45 39 00-0018	Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)		
22 45 39 00-0019 EA	Privacy Curtain For Emergency Showers	1,085.91	101.62
	Note: Curtain includes stainless steel curtain rod and mounting accessories.		
22 45 39 00-0020	Emergency Plumbing Fixture Accessories (WaterSaver) (22 45 39 00-0001)		
22 45 39 00-0021 EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC).....	173.09	22.08

22 46 Security Plumbing Fixtures (22 40)

22 46 13	Security Water Closets and Urinals (22 46)		
22 46 13 13	Security Water Closets (22 46 13)		
22 46 13 13-0001	Security Water Closets (22 46 13 13)		
22 46 13 13-0002 EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675).....	3,201.45	338.72
	For Angled Toilet, Add	33.87	
	For Offset Toilet, Add	286.27	
22 46 13 13-0003 EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684).....	3,851.60	338.72
	For Angled Toilet, Add	33.87	
	For Offset Toilet, Add	351.29	
22 46 13 13-0004 EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695).....	3,908.56	338.72
	For Angled Toilet, Add	33.87	
	For Offset Toilet, Add	356.98	
22 46 13 13-0005 EA	Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840).....	369.13	67.74
22 46 13 16	Security Urinals (22 46 13)		
22 46 13 16-0001	Security Urinals (22 46 13 16)		
22 46 13 16-0002 EA	Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700).....	3,758.33	304.85
22 46 13 16-0003 EA	Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720).....	6,352.34	433.16
22 46 13 19	Security Combination Toilet and Lavatory (22 46 13)		



Plumbing	22	22
Plumbing Fixtures	22 40	
Security Plumbing Fixtures	22 46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 13 19-0001			Security Combination Toilet - Lavatory <small>(22 46 13 19)</small>		
22 46 13 19-0002	EA		15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415).....	5,746.63	420.01
			<i>For Angled Toilet, Add</i>	42.00	
			<i>For Offset Toilet, Add</i>	532.66	
			<i>For 15" Mirror/Shelf Module, Add</i>	970.01	
			<i>For AC Duplex Outlet Option, Add</i>	114.00	
			<i>For Intercom Option, Add</i>	159.00	
			<i>For 15" Wide Light/Ventilation Module, Add</i>	887.01	
22 46 13 19-0003	EA		18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418).....	5,922.81	440.34
			<i>For Angled Toilet, Add</i>	44.03	
			<i>For Offset Toilet, Add</i>	548.25	
			<i>For 18" Mirror/Shelf Module, Add</i>	1,015.34	
			<i>For AC Duplex Outlet Option, Add</i>	118.07	
			<i>For Intercom Option, Add</i>	163.07	
			<i>For 18" Wide Light/Ventilation Module, Add</i>	914.20	
22 46 13 19-0004	EA		20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420).....	6,057.74	460.65
			<i>For Angled Toilet, Add</i>	46.07	
			<i>For Offset Toilet, Add</i>	559.71	
			<i>For 20" Mirror/Shelf Module, Add</i>	1,070.66	
			<i>For AC Duplex Outlet Option, Add</i>	122.13	
			<i>For Intercom Option, Add</i>	167.13	
			<i>For 20" Wide Light/Ventilation Module, Add</i>	951.40	
22 46 13 19-0005	EA		26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426).....	6,479.44	480.98
			<i>For Angled Toilet, Add</i>	48.10	
			<i>For Offset Toilet, Add</i>	599.85	
			<i>For 26" Mirror/Shelf Module, Add</i>	1,115.98	
			<i>For AC Duplex Outlet Option, Add</i>	126.20	
			<i>For Intercom Option, Add</i>	171.20	
			<i>For 26" Wide Light/Ventilation Module, Add</i>	983.59	
22 46 13 19-0006	EA		28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428).....	10,364.05	501.31
			<i>For Angled Toilet, Add</i>	50.13	
			<i>For Offset Toilet, Add</i>	986.27	
			<i>For 28" Mirror/Shelf Module, Add</i>	1,156.31	
			<i>For AC Duplex Outlet Option, Add</i>	130.26	
			<i>For Intercom Option, Add</i>	175.26	
			<i>For 28" Wide Light/Ventilation Module, Add</i>	1,015.78	
22 46 16			Security Lavatories and Sinks <small>(22 46)</small>		
22 46 16 13			Security Lavatories <small>(22 46 16)</small>		
22 46 16 13-0001			Security Lavatories <small>(22 46 16 13)</small>		
22 46 16 13-0002	EA		20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650).....	2,305.37	237.11
			<i>For Shelf, Add</i>	106.13	
22 46 16 13-0003	EA		18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655).....	2,343.08	237.11
			<i>For Shelf, Add</i>	106.13	
22 46 16 13-0004	EA		13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660).....	2,661.55	237.11
			<i>For Shelf, Add</i>	106.13	
22 46 16 13-0005	EA		18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656).....	2,343.08	237.11
			<i>For Shelf, Add</i>	106.13	
22 46 16 16			Security Sinks <small>(22 46 16)</small>		
22 46 16 16-0001			Security Sinks <small>(22 46 16 16)</small>		
22 46 16 16-0002	EA		22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642).....	4,916.72	361.07
22 46 16 16-0003			Security Mop Sink <small>(22 46 16 16)</small>		
22 46 16 16-0004	EA		24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630).....	4,043.08	203.23
22 46 19			Security Showers <small>(22 46)</small>		
22 46 19 00-0001	EA		Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741).....	859.88	180.87
22 46 19 00-0002	EA		Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743).....	615.00	94.84
22 46 19 00-0003	EA		30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD).....	12,709.88	541.95
22 46 19 00-0004	EA		32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD).....	13,165.57	541.95
22 46 19 00-0005	EA		36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD).....	13,634.56	541.95
22 46 19 00-0006	EA		36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA).....	17,306.73	541.95
22 46 19 00-0007	EA		Wall Mounted Security Shower, Stainless Steel (Acorn 452).....	1,296.55	142.26
			<i>For PWT Electronic FV, Add</i>	148.00	
22 46 19 00-0008	EA		Wall Mounted ADA Security Shower, Stainless Steel (Acorn 452 ADA).....	1,560.47	142.26
			<i>For PWT Electronic FV, Add</i>	148.00	
22 46 56			Security Drinking Fountains <small>(22 46)</small>		

22	Plumbing
22 40	Plumbing Fixtures
22 46	Security Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 56 00-0001 Security Drinking Fountain ^(22 46 56) Note: Includes air control valve, bubbler with mouthguard and mounting bracket.		
22 46 56 00-0002 EA Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA).....	2,606.58	270.97
22 46 56 00-0003 EA Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA).....	2,624.77	270.97
22 47 Drinking Fountains and Water Coolers ^(22 40)		
22 47 13 Drinking Fountains ^(22 47)		
22 47 13 00-0001 Indoor Drinking Fountains ^(22 47 13)		
22 47 13 00-0002 Face Mounted Indoor Drinking Fountain ^(22 47 13 00-0001)		
22 47 13 00-0003 EA Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S).....	1,850.45	220.17
22 47 13 00-0004 EA Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP).....	2,649.53	237.11
22 47 13 00-0005 EA Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E).....	2,400.51	220.17
22 47 13 00-0006 EA Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP).....	2,847.63	237.11
22 47 13 00-0007 EA Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS).....	1,279.62	220.17
22 47 13 00-0008 EA Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP).....	1,515.89	237.11
22 47 13 00-0009 EA Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE).....	1,431.80	220.17
22 47 13 00-0010 EA Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP).....	1,721.58	237.11
22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain ^(22 47 13 00-0001)		
22 47 13 00-0012 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	1,323.03	237.11
22 47 13 00-0013 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	1,960.44	237.11
22 47 13 00-0014 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF).....	2,487.31	304.85
22 47 13 00-0015 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRN8WSK).....	3,317.64	304.85
22 47 13 00-0016 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK).....	2,876.64	304.85
22 47 13 00-0017 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSPP).....	2,633.61	304.85
22 47 13 00-0018 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK).....	2,909.15	237.11
22 47 13 00-0019 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK).....	2,814.65	237.11
22 47 13 00-0020 EA Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK).....	2,699.15	237.11
22 47 13 00-0021 EA Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK).....	2,594.15	237.11
22 47 13 00-0022 EA Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK).....	2,373.65	237.11
22 47 13 00-0023 EA Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK).....	2,279.15	237.11
22 47 13 00-0024 EA Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK).....	2,174.15	237.11
22 47 13 00-0025 EA Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK).....	2,174.15	237.11
22 47 13 00-0026 EA Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK).....	2,079.65	237.11
22 47 13 00-0027 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK).....	2,079.65	237.11
22 47 13 00-0028 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK).....	2,037.65	237.11
22 47 13 00-0029 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK).....	2,037.65	237.11
22 47 13 00-0030 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK).....	1,943.15	237.11
22 47 13 00-0031 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK).....	1,890.65	237.11
22 47 13 00-0032 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSPP).....	1,817.15	237.11
22 47 13 00-0033 EA Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK).....	1,785.65	237.11
22 47 13 00-0034 EA Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK).....	1,680.65	237.11
22 47 13 00-0035 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK).....	1,890.65	237.11
22 47 13 00-0036 EA Vinyl Clad Cabinet, Non Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK).....	1,680.65	237.11
22 47 13 00-0037 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK).....	1,773.20	237.11



Plumbing	22	22
Plumbing Fixtures	22 40	
Drinking Fountains and Water Coolers	22 47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0038 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP).....	1,775.15	237.11
22 47 13 00-0039 EA Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM).....	1,450.67	169.36
22 47 13 00-0040 EA Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF).....	1,114.67	169.36
22 47 13 00-0041 Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0042 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubblers (Halsey-Taylor 5801).....	1,742.06	254.04
22 47 13 00-0043 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubblers And Cuspidor (Halsey-Taylor 5801C).....	3,578.71	254.04
22 47 13 00-0044 Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0045 EA Stainless Steel Fully-Recessed, With Bubblers, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	1,862.94	270.97
22 47 13 00-0046 EA Stainless Steel Fully-Recessed, With Bubblers And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	3,271.99	270.97
22 47 13 00-0047 Countertop Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0048 EA Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubblers (Halsey-Taylor 10000).....	804.51	169.36
22 47 13 00-0049 EA Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubblers (Halsey-Taylor 6000).....	777.99	169.36
22 47 13 00-0050 EA Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubblers (Halsey-Taylor 6028).....	923.35	169.36
22 47 13 00-0051 Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0052 EA Stainless Steel, Bowl And Bracket With Pushbutton Bubblers, Indoor Drinking Fountain (Halsey-Taylor 2501A).....	694.17	169.36
22 47 13 00-0053 EA Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540).....	817.39	169.36
22 47 13 00-0054 Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0055 EA Two Station, Stainless Steel, Indoor Drinking Fountains With Bubblers And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020).....	3,394.01	270.97
22 47 13 00-0056 EA Three Station, Stainless Steel, Indoor Drinking Fountains With Bubblers And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030).....	4,230.06	270.97
22 47 13 00-0057 EA Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120).....	3,244.29	270.97
22 47 13 00-0058 EA Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430).....	2,759.51	270.97
22 47 13 00-0059 EA Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435).....	3,436.45	270.97
22 47 13 00-0060 EA Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4).....	3,054.98	345.66
22 47 13 00-0061 EA Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441).....	5,338.28	270.97
22 47 13 00-0062 EA Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408).....	5,245.87	270.97
22 47 13 00-0063 Outdoor Drinking Fountains (22 47 13)		
22 47 13 00-0064 Face Mounted Outdoor Drinking Fountains (22 47 13 00-0063)		
22 47 13 00-0065 EA Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor HRFE-FR).....	1,645.25	270.97
22 47 13 00-0066 EA Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubblers (Halsey-Taylor HRFEBP-FR).....	1,789.33	270.97
22 47 13 00-0067 EA Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4592).....	1,726.77	270.97
22 47 13 00-0068 EA Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4592-FR).....	2,464.20	270.97
22 47 13 00-0069 EA Stainless Steel Face Mounted Outdoor Drinking Fountain With Bubblers (Oasis FLF140PM).....	1,468.87	270.97
Note: For use with remote chillers		
22 47 13 00-0070 Free Standing Outdoor Drinking Fountains (22 47 13 00-0063)		
22 47 13 00-0071 EA Steel Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4715).....	2,981.96	254.04
22 47 13 00-0072 EA Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4715-FR).....	4,131.71	254.04
22 47 13 00-0073 EA Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4710).....	2,978.14	254.04
22 47 13 00-0074 EA Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4710-FR).....	4,058.27	254.04
22 47 13 00-0075 EA Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4720).....	4,373.18	270.97
22 47 13 00-0076 EA Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4720-FR).....	4,449.96	270.97
22 47 13 00-0077 EA Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4591).....	1,738.38	254.04
22 47 13 00-0078 EA Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4590).....	2,898.55	254.04
22 47 13 00-0079 EA Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4590-FR).....	4,048.30	254.04
22 47 13 00-0080 EA Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4595).....	4,749.48	270.97
22 47 13 00-0081 EA Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4595-FR).....	6,605.38	270.97
22 47 16 Pressure Water Coolers (22 47)		
22 47 16 00-0001 Indoor Water Coolers (22 47 16)		
22 47 16 00-0002 Face Mounted Indoor Water Coolers (22 47 16 00-0001)		

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains and Water Coolers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0003 EA Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....	3,409.21	270.97
22 47 16 00-0004 EA Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q).....	3,630.06	270.97
22 47 16 00-0005 Wall Mounted Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0006 EA Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	1,698.33	270.97
22 47 16 00-0007 EA Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	1,755.21	270.97
22 47 16 00-0008 EA Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	1,933.40	270.97
22 47 16 00-0009 EA Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	2,001.65	270.97
22 47 16 00-0010 EA Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA).....	1,520.14	270.97
22 47 16 00-0011 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS).....	1,738.14	270.97
22 47 16 00-0012 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS).....	1,397.86	270.97
22 47 16 00-0013 EA Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL).....	2,030.39	270.97
22 47 16 00-0014 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....	2,318.11	406.46
22 47 16 00-0015 Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0016 EA Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q).....	1,997.69	270.97
22 47 16 00-0017 Fully Recessed Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0018 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	3,763.16	304.85
22 47 16 00-0019 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	4,560.92	304.85
22 47 16 00-0020 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	5,311.08	304.85
22 47 16 00-0021 Free Standing Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0022 EA Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	1,623.94	237.11
22 47 16 00-0023 EA Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q).....	1,734.84	237.11
22 47 16 00-0024 EA Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	1,951.90	237.11
22 47 16 00-0025 EA Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	2,157.58	237.11
22 47 16 00-0026 Bottled Water Coolers (22 47 16 00-0001)		
22 47 16 00-0027 EA Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water.....	590.69	135.49
22 47 16 00-0028 EA Free-Standing Bottled Water Cooler With Chilled Or Hot Water.....	692.55	135.49
22 47 16 00-0029 Multi-Station Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0030 EA Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q).....	4,527.82	406.46
22 47 16 00-0031 EA Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	5,166.41	406.46
22 47 16 00-0032 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	2,495.36	406.46
22 47 16 00-0033 Outdoor Water Coolers (22 47 16)		
22 47 16 00-0034 Wall Mounted Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0035 EA Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS).....	1,702.15	169.36
22 47 16 00-0036 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS).....	2,863.81	169.36
22 47 16 00-0037 Free Standing Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0038 EA Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	2,795.24	254.04
22 47 16 00-0039 EA Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q).....	3,326.04	254.04
22 47 16 00-0040 Removal And Reinstallation Of Fixtures And Trim (22 47 16)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041 EA Removal And Reinstallation Of Wall Hung Water Cooler.....	657.29	
22 47 16 00-0042 EA Removal And Reinstallation Of Floor Mount Water Cooler	147.16	
22 47 19 Water-Station Water Coolers (22 47)		
22 47 19 00-0001 Bottle Filler (22 47 19)		



Plumbing	22	22
Plumbing Fixtures	22 40	
Drinking Fountains and Water Coolers	22 47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 19 00-0002 EA Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF).....	3,753.90	270.97
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0003 EA Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK).....	5,019.28	270.97
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0004 EA Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	6,421.77	304.85
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0005 EA Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	6,926.72	304.85
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0006 EA Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3).....	7,431.67	304.85
For Stainless Steel Carrier, Add	205.00	
22 47 23 Remote Water Coolers (22 47)		
22 47 23 00-0001 Remote Chillers (22 47 23)		
22 47 23 00-0002 EA 1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....	977.20	91.46
22 47 23 00-0003 EA 5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....	1,465.77	101.62
22 47 23 00-0004 EA 8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....	1,275.95	118.55
22 47 23 00-0005 EA 10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....	1,633.04	135.49
22 47 23 00-0006 EA 19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....	2,553.37	203.23
22 47 23 00-0007 EA 30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	2,768.26	220.17
22 47 26 Fixture Carriers (22 47)		
22 47 26 00-0001 Water Cooler Carriers (22 47 26)		
22 47 26 00-0002 Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003 EA Floor Mounted Hanger Plate Type, Single Water Cooler Carrier.....	598.70	51.49
For Up To 4" Extension Sleeves And Hardware, Add	28.35	
For Bi-Level Carrier, Add	328.01	
22 47 26 00-0004 EA Floor Mounted Bearing Plate Type, Single Water Cooler Carrier.....	650.01	51.49
For Up To 4" Extension Sleeves And Hardware, Add	28.35	
For Bi-Level Carrier, Add	328.01	
22 50 Pool and Fountain Plumbing Systems (22)		
22 51 Swimming Pool Plumbing Systems (22 50)		
22 51 13 Swimming Pool Piping (22 51)		
22 51 13 00-0001 Swimming Pool Gutters (22 51 13)		
22 51 13 00-0002 LF Swimming Pool Gutters, Stainless.....	433.75	30.49
22 51 19 Swimming Pool Water Treatment Equipment (22 51)		
22 51 19 00-0001 Swimming Pool Heaters (22 51 19)		
Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0002 Electric Pool Heaters (22 51 19 00-0001)		
22 51 19 00-0003 EA 12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool.....	4,367.62	270.97
22 51 19 00-0004 EA 18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool.....	4,871.92	291.30
22 51 19 00-0005 EA 24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool.....	5,424.77	338.72
22 51 19 00-0006 EA 30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool.....	5,778.26	406.46
22 51 19 00-0007 EA 36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool.....	6,447.90	569.05
22 51 19 00-0008 EA 60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool.....	7,510.50	812.92
22 51 19 00-0009 Gas Fired Pool Heaters (22 51 19 00-0001)		
22 51 19 00-0010 EA 120 MBH Output Gas Fired Pool Heater.....	6,594.51	1,225.19
22 51 19 00-0011 EA 180 MBH Output Gas Fired Pool Heater.....	7,493.41	1,400.21
22 51 19 00-0012 EA 240 MBH Output Gas Fired Pool Heater.....	8,464.85	1,575.24
22 51 19 00-0013 EA 300 MBH Output Gas Fired Pool Heater.....	9,779.22	1,925.30
22 51 19 00-0014 EA 360 MBH Output Gas Fired Pool Heater.....	10,080.48	2,029.06
22 51 19 00-0015 EA 400 MBH Output Gas Fired Pool Heater.....	11,597.96	2,394.35
22 51 19 00-0016 EA 500 MBH Output Gas Fired Pool Heater.....	18,006.28	2,762.70
22 51 19 00-0017 EA 600 MBH Output Gas Fired Pool Heater.....	20,840.42	3,038.97
22 51 19 00-0018 EA 750 MBH Output Gas Fired Pool Heater.....	23,474.52	3,315.24
22 51 19 00-0019 EA 1,000 MBH Output Gas Fired Pool Heater.....	30,018.92	3,913.84
22 51 19 00-0020 Surge Tanks (22 51 19)		
Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0021 EA 1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	21,198.63	1,000.74
22 51 19 00-0022 EA 1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	23,736.80	1,000.74
22 51 19 00-0023 EA 2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	28,485.62	1,230.24
22 51 19 00-0024 EA 5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	37,794.19	1,985.50

22 Plumbing**22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0025 Diatomite Type Filter System <small>(22 51 19)</small>		
22 51 19 00-0026 EA 35,000 Gallon Filter System, Diatomite.....	16,880.92	3,584.93
22 51 19 00-0027 EA 45,000 Gallon Filter System, Diatomite.....	20,147.84	4,301.92
22 51 19 00-0028 Silver Recovery System, X-Ray Film Processing <small>(22 51 19)</small>		
22 51 19 00-0029 EA 20 Gallon/Day Capacity, Silver Recovery System	2,145.30	459.88
22 51 19 00-0030 EA 40 Gallon/Day Capacity, Silver Recovery System	3,120.37	613.22
22 51 19 00-0031 Inline Water Filter <small>(22 51 19)</small>		
Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0032 EA 2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter.....	302.16	135.49
22 51 19 00-0033 EA 6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body.....	513.69	203.23
22 51 19 00-0034 Ultra-Violet Pool Treatment Lights <small>(22 51 19)</small>		
22 51 19 00-0035 Stainless Steel Ultra-Violet Pool Treatment Lights <small>(22 51 19 00-0034)</small>		
Note: Delta ELP Amalgam Series		
22 51 19 00-0036 EA 3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	15,242.46	422.49
22 51 19 00-0037 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,108.84	422.49
22 51 19 00-0038 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,851.47	422.49
22 51 19 00-0039 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,387.19	447.30
22 51 19 00-0040 EA 4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,755.21	447.30
22 51 19 00-0041 EA 4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	21,096.95	447.30
22 51 19 00-0042 EA 6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	24,977.78	803.38
22 51 19 00-0043 EA 6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	36,935.03	803.38
22 51 19 00-0044 EA 6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	40,527.35	803.38
22 51 19 00-0045 EA 8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	43,488.10	963.80
22 51 19 00-0046 EA 8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	46,687.94	963.80
22 51 19 00-0047 EA 8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	48,921.83	963.80
22 51 19 00-0048 EA 8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	51,336.82	963.80
22 51 19 00-0049 EA 10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	55,157.54	1,095.53
22 51 19 00-0050 EA 10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	59,383.79	1,095.53
22 51 19 00-0051 EA 10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	63,610.03	1,095.53
22 51 19 00-0052 EA 10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	68,741.89	1,095.53
22 51 19 00-0053 HDPE Ultra-Violet Pool Treatment Lights <small>(22 51 19 00-0034)</small>		
Note: Delta EL Series		
22 51 19 00-0054 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	7,650.35	422.49
22 51 19 00-0055 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	8,495.57	422.49
22 51 19 00-0056 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	9,378.22	447.30
22 51 19 00-0057 In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights <small>(22 51 19 00-0034)</small>		
Note: Delta EM Series		
22 51 19 00-0058 EA 3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	29,385.28	422.49
22 51 19 00-0059 EA 3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	29,687.13	422.49
22 51 19 00-0060 EA 6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	31,785.08	803.38
22 51 19 00-0061 EA 6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	40,201.31	803.38
22 51 19 00-0062 EA 8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	56,046.06	963.80
22 51 19 00-0063 EA 10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	63,247.79	1,095.53
22 51 19 00-0064 EA 12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	74,604.32	1,417.66
22 51 19 00-0065 EA 12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	83,660.53	1,417.66

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities (22)

22 63 Gas Systems for Laboratory and Healthcare Facilities (22 60)

22 63 13 Gas Piping for Laboratory and Healthcare Facilities (22 63)

22 63 13 53 Laboratory Gas Piping (22 63 13)

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2177 for PVC piping.

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities (22 60)

22 66 53 Laboratory Chemical-Waste and Vent Piping (22 66)

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings (22 66 53 00-0001)

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe (22 66 53 00-0002)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0004 LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	21.75	7.72
For Schedule 80, Add	5.26	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	4.50	
For Work In Restricted Working Space, Add	3.49	
22 66 53 00-0005 LF 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	26.78	8.67
For Schedule 80, Add	7.11	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	6.09	
For Work In Restricted Working Space, Add	3.93	
22 66 53 00-0006 LF 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	43.65	12.60
For Schedule 80, Add	12.84	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	10.99	
For Work In Restricted Working Space, Add	5.69	
22 66 53 00-0007 LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	59.70	16.39
For Schedule 80, Add	18.24	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	15.61	
For Work In Restricted Working Space, Add	7.39	
22 66 53 00-0008 LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	99.35	24.12
For Schedule 80, Add	32.87	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	28.13	
For Work In Restricted Working Space, Add	10.84	
22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends (22 66 53 00-0002)		
22 66 53 00-0010 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	84.51	29.13
For Work In Restricted Working Space, Add	13.11	
22 66 53 00-0011 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	108.33	38.48
For Work In Restricted Working Space, Add	17.30	
22 66 53 00-0012 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	152.13	44.03
For Work In Restricted Working Space, Add	19.83	
22 66 53 00-0013 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	224.37	58.26
For Work In Restricted Working Space, Add	26.22	
22 66 53 00-0014 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	465.63	86.04
For Work In Restricted Working Space, Add	38.71	
22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends (22 66 53 00-0002)		
22 66 53 00-0016 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	83.81	29.13
For Work In Restricted Working Space, Add	13.11	
22 66 53 00-0017 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	106.49	38.48
For Work In Restricted Working Space, Add	17.30	
22 66 53 00-0018 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	155.65	44.03
For Work In Restricted Working Space, Add	19.83	
22 66 53 00-0019 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	188.97	58.26
For Work In Restricted Working Space, Add	26.22	
22 66 53 00-0020 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	410.77	86.04
For Work In Restricted Working Space, Add	38.71	
22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees (22 66 53 00-0002)		
22 66 53 00-0022 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	144.12	62.33
For Work In Restricted Working Space, Add	28.03	
22 66 53 00-0023 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	178.54	78.58
For Work In Restricted Working Space, Add	35.35	
22 66 53 00-0024 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	250.50	86.04
For Work In Restricted Working Space, Add	38.71	
22 66 53 00-0025 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	351.26	113.00
For Work In Restricted Working Space, Add	50.81	
22 66 53 00-0026 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	632.73	180.74
For Work In Restricted Working Space, Add	81.29	
22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees (22 66 53 00-0002)		
22 66 53 00-0028 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	178.45	78.58
For Work In Restricted Working Space, Add	35.35	
22 66 53 00-0029 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	242.02	86.04
For Work In Restricted Working Space, Add	38.71	
22 66 53 00-0030 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	234.49	86.04
For Work In Restricted Working Space, Add	38.71	
22 66 53 00-0031 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	331.93	113.00
For Work In Restricted Working Space, Add	50.81	
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	339.22	113.00
For Work In Restricted Working Space, Add	50.81	
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	578.89	180.74
For Work In Restricted Working Space, Add	81.29	
22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug (22 66 53 00-0002)		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	168.86	62.33
For Work In Restricted Working Space, Add	28.03	

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	184.52 35.35	78.58
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	268.82 38.71	86.04
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	359.70 50.81	113.00
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	528.34 81.29	180.74
22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes (22 66 53 00-0002)		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	158.01 28.03	62.33
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	191.40 35.35	78.58
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	258.17 38.71	86.04
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	357.61 50.81	113.00
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	748.88 81.29	180.74
22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes (22 66 53 00-0002)		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	208.40 35.35	78.58
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	249.44 38.71	86.04
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	249.44 38.71	86.04
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	350.08 50.81	113.00
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	350.08 50.81	113.00
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	648.83 81.29	180.74
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	654.69 81.29	180.74
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	581.35 81.29	180.74
22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses (22 66 53 00-0002)		
22 66 53 00-0056 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	196.24 35.04	77.91
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	242.45 44.18	98.23
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	351.72 48.39	107.58
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	496.85 63.57	141.17
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	905.81 101.62	225.86
22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends (22 66 53 00-0002)		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	139.59 28.03	62.33
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	185.25 35.35	78.58
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	215.31 38.71	86.04
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	303.53 50.81	113.00
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	165.18 35.35	78.58
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	207.24 38.71	86.04
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	210.48 38.71	86.04
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	291.53 50.81	113.00
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	293.58 50.81	113.00
22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)		
22 66 53 00-0072 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	166.28 32.52	72.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0073 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	222.26 42.79	95.11
22 66 53 00-0074 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	350.23 58.07	129.12
22 66 53 00-0075 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	509.61 73.90	164.35
22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)		
22 66 53 00-0077 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	82.58 13.11	29.13
22 66 53 00-0078 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	98.17 17.30	38.48
22 66 53 00-0079 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	116.24 19.83	44.03
22 66 53 00-0080 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	159.68 26.22	58.26
22 66 53 00-0081 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	237.27 38.71	86.04
22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters (22 66 53 00-0002)		
22 66 53 00-0083 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	77.70 13.11	29.13
22 66 53 00-0084 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	101.86 17.30	38.48
22 66 53 00-0085 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	123.00 19.83	44.03
22 66 53 00-0086 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	166.32 26.22	58.26
22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings (22 66 53 00-0002)		
22 66 53 00-0088 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	71.64 13.11	29.13
22 66 53 00-0089 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	90.96 17.30	38.48
22 66 53 00-0090 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	106.53 19.83	44.03
22 66 53 00-0091 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	140.87 26.22	58.26
22 66 53 00-0092 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	206.75 38.71	86.04
22 66 53 00-0093 Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
22 66 53 00-0094 Glass Acid Resistant DWV Pipe (22 66 53 00-0093)		
22 66 53 00-0095 LF 1-1/2" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	25.77 4.47	7.45
22 66 53 00-0096 LF 2" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	31.04 4.88	8.13
22 66 53 00-0097 LF 3" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	43.16 6.86	11.39
22 66 53 00-0098 LF 4" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	66.50 8.87	14.77
22 66 53 00-0099 LF 6" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	106.55 12.10	20.19
22 66 53 00-0100 Glass Acid Resistant DWV 90 Or 60 Degree Sweeps (22 66 53 00-0093)		
22 66 53 00-0101 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	89.37 19.88	33.19
22 66 53 00-0102 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	99.48 21.09	35.22
22 66 53 00-0103 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	127.98 23.98	39.97
22 66 53 00-0104 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	182.39 31.70	52.84
22 66 53 00-0105 EA 6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	380.12 43.90	73.16
22 66 53 00-0106 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps (22 66 53 00-0093)		
22 66 53 00-0107 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	89.64 19.96	33.33
22 66 53 00-0108 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	98.93 20.93	34.82
22 66 53 00-0109 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	127.70 23.90	39.83

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0110 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	182.40 31.71	52.84
22 66 53 00-0111 EA 6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	380.09 43.89	73.16
22 66 53 00-0112 Glass Acid Resistant DWV 90 Or 60 Degree Bends (22 66 53 00-0093)		
22 66 53 00-0113 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	90.27 19.96	33.33
22 66 53 00-0114 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	99.69 20.93	34.82
22 66 53 00-0115 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	129.03 23.90	39.83
22 66 53 00-0116 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	182.40 31.71	52.84
22 66 53 00-0117 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends (22 66 53 00-0093)		
22 66 53 00-0118 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	90.27 19.96	33.33
22 66 53 00-0119 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	99.69 20.93	34.82
22 66 53 00-0120 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	129.03 23.90	39.83
22 66 53 00-0121 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	182.40 31.71	52.84
22 66 53 00-0122 Glass Acid Resistant DWV 90 Degree Bends With Long Leg (22 66 53 00-0093)		
22 66 53 00-0123 EA 1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg <i>For Work In Restricted Working Space, Add</i>	99.27 19.96	33.33
22 66 53 00-0124 EA 2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg <i>For Work In Restricted Working Space, Add</i>	112.63 20.93	34.82
22 66 53 00-0125 Glass Acid Resistant DWV Double Quarter Bends (22 66 53 00-0093)		
22 66 53 00-0126 EA 1-1/2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	141.08 29.94	49.86
22 66 53 00-0127 EA 2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	165.73 30.97	51.62
22 66 53 00-0128 EA 2" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	158.84 31.40	52.30
22 66 53 00-0129 EA 3" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	203.49 35.86	59.75
22 66 53 00-0130 EA 4" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	315.51 47.55	79.26
22 66 53 00-0131 EA 6" Glass Acid Resistant DWV Double Quarter Bend..... <i>For Work In Restricted Working Space, Add</i>	471.54 65.85	109.74
22 66 53 00-0132 Glass Acid Resistant DWV Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0133 EA 1-1/2" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	137.51 30.08	50.13
22 66 53 00-0134 EA 2" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	141.57 31.30	52.16
22 66 53 00-0135 EA 3" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	174.79 35.77	59.61
22 66 53 00-0136 EA 4" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	258.20 47.55	79.26
22 66 53 00-0137 EA 6" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	486.54 65.85	109.74
22 66 53 00-0138 Glass Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0139 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	140.22 30.89	51.49
22 66 53 00-0140 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	161.58 33.74	56.22
22 66 53 00-0141 EA 3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	169.39 34.55	57.58
22 66 53 00-0142 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	213.86 41.87	69.77
22 66 53 00-0143 EA 4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	221.34 42.27	70.46
22 66 53 00-0144 EA 4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	230.90 43.49	72.49
22 66 53 00-0145 EA 6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	369.00 54.47	90.77
22 66 53 00-0146 EA 6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	392.63 55.69	92.80
22 66 53 00-0147 EA 6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	407.26 59.75	99.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees <small>(22 66 53 00-0093)</small>		
22 66 53 00-0149 EA 1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	189.93	66.39
For Work In Restricted Working Space, Add	39.84	
22 66 53 00-0150 EA 2" Glass Acid Resistant DWV Double Sanitary Tee.....	196.68	69.77
For Work In Restricted Working Space, Add	41.86	
22 66 53 00-0151 EA 3" Glass Acid Resistant DWV Double Sanitary Tee.....	243.84	79.94
For Work In Restricted Working Space, Add	47.96	
22 66 53 00-0152 EA 4" Glass Acid Resistant DWV Double Sanitary Tee.....	372.26	105.68
For Work In Restricted Working Space, Add	63.40	
22 66 53 00-0153 EA 6" Glass Acid Resistant DWV Double Sanitary Tee.....	620.85	146.32
For Work In Restricted Working Space, Add	87.80	
22 66 53 00-0154 Glass Acid Resistant DWV Reducing Double Sanitary Tees <small>(22 66 53 00-0093)</small>		
22 66 53 00-0155 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	193.96	68.42
For Work In Restricted Working Space, Add	41.05	
22 66 53 00-0156 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	217.98	73.16
For Work In Restricted Working Space, Add	43.90	
22 66 53 00-0157 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	227.46	74.52
For Work In Restricted Working Space, Add	44.72	
22 66 53 00-0158 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	308.01	86.04
For Work In Restricted Working Space, Add	51.62	
22 66 53 00-0159 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	308.01	88.07
For Work In Restricted Working Space, Add	52.84	
22 66 53 00-0160 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	328.84	92.80
For Work In Restricted Working Space, Add	55.70	
22 66 53 00-0161 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	420.85	108.39
For Work In Restricted Working Space, Add	65.02	
22 66 53 00-0162 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	452.77	113.13
For Work In Restricted Working Space, Add	67.87	
22 66 53 00-0163 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	510.62	126.01
For Work In Restricted Working Space, Add	75.59	
22 66 53 00-0164 Glass Acid Resistant DWV Tees <small>(22 66 53 00-0093)</small>		
22 66 53 00-0165 EA 1-1/2" Glass Acid Resistant DWV Tee.....	146.36	50.13
For Work In Restricted Working Space, Add	30.08	
22 66 53 00-0166 EA 2" Glass Acid Resistant DWV Tee.....	150.41	52.16
For Work In Restricted Working Space, Add	31.30	
22 66 53 00-0167 EA 3" Glass Acid Resistant DWV Tee.....	185.77	59.61
For Work In Restricted Working Space, Add	35.77	
22 66 53 00-0168 EA 4" Glass Acid Resistant DWV Tee.....	275.42	79.26
For Work In Restricted Working Space, Add	47.55	
22 66 53 00-0169 EA 6" Glass Acid Resistant DWV Tee.....	507.21	109.74
For Work In Restricted Working Space, Add	65.85	
22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees <small>(22 66 53 00-0093)</small>		
22 66 53 00-0171 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	149.04	51.49
For Work In Restricted Working Space, Add	30.89	
22 66 53 00-0172 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	170.80	56.22
For Work In Restricted Working Space, Add	33.74	
22 66 53 00-0173 EA 3" x 2" Glass Acid Resistant DWV Reducing Tee	174.83	57.58
For Work In Restricted Working Space, Add	34.55	
22 66 53 00-0174 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	215.89	69.77
For Work In Restricted Working Space, Add	41.87	
22 66 53 00-0175 EA 4" x 2" Glass Acid Resistant DWV Reducing Tee	220.38	70.46
For Work In Restricted Working Space, Add	42.27	
22 66 53 00-0176 EA 4" x 3" Glass Acid Resistant DWV Reducing Tee	251.63	72.49
For Work In Restricted Working Space, Add	43.50	
22 66 53 00-0177 EA 6" x 3" Glass Acid Resistant DWV Reducing Tee	430.49	92.80
For Work In Restricted Working Space, Add	55.68	
22 66 53 00-0178 EA 6" x 4" Glass Acid Resistant DWV Reducing Tee	451.54	99.58
For Work In Restricted Working Space, Add	59.74	
22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout <small>(22 66 53 00-0093)</small>		
22 66 53 00-0180 EA 1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout.....	161.51	50.13
For Work In Restricted Working Space, Add	30.08	
22 66 53 00-0181 EA 2" Glass Acid Resistant DWV Test Tee With Cleanout.....	176.10	52.16
For Work In Restricted Working Space, Add	31.30	
22 66 53 00-0182 EA 3" Glass Acid Resistant DWV Test Tee With Cleanout.....	218.16	59.61
For Work In Restricted Working Space, Add	35.77	
22 66 53 00-0183 EA 4" Glass Acid Resistant DWV Test Tee With Cleanout.....	349.23	79.26
For Work In Restricted Working Space, Add	47.55	
22 66 53 00-0184 EA 6" Glass Acid Resistant DWV Test Tee With Cleanout.....	507.21	109.74
For Work In Restricted Working Space, Add	65.85	
22 66 53 00-0185 Glass Acid Resistant DWV Wyes <small>(22 66 53 00-0093)</small>		

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0186 EA 1-1/2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	139.41 30.08	50.13
22 66 53 00-0187 EA 2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	143.46 31.30	52.16
22 66 53 00-0188 EA 3" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	182.36 35.77	59.61
22 66 53 00-0189 EA 4" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	266.65 47.55	79.26
22 66 53 00-0190 EA 6" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	480.76 65.85	109.74
22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes (22 66 53 00-0093)		
22 66 53 00-0192 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	142.09 30.89	51.49
22 66 53 00-0193 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	165.49 33.74	56.22
22 66 53 00-0194 EA 3" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	169.84 34.55	57.58
22 66 53 00-0195 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	221.44 41.87	69.77
22 66 53 00-0196 EA 4" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	223.54 42.27	70.46
22 66 53 00-0197 EA 4" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	238.37 43.50	72.49
22 66 53 00-0198 EA 6" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	360.77 54.46	90.77
22 66 53 00-0199 EA 6" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	404.23 55.68	92.80
22 66 53 00-0200 EA 6" x 4" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	437.90 59.74	99.58
22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes (22 66 53 00-0093)		
22 66 53 00-0202 EA 1-1/2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	208.97 39.83	66.39
22 66 53 00-0203 EA 2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	215.76 41.87	69.77
22 66 53 00-0204 EA 3" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	273.43 47.96	79.94
22 66 53 00-0205 EA 4" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	402.48 63.39	105.68
22 66 53 00-0206 EA 6" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	637.24 87.83	146.32
22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes (22 66 53 00-0093)		
22 66 53 00-0208 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	213.00 41.04	68.42
22 66 53 00-0209 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	222.51 43.89	73.16
22 66 53 00-0210 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	245.93 44.71	74.52
22 66 53 00-0211 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	296.17 51.63	86.04
22 66 53 00-0212 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	309.54 52.84	88.07
22 66 53 00-0213 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	351.96 55.68	92.80
22 66 53 00-0214 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	504.87 65.01	108.39
22 66 53 00-0215 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	529.24 67.88	113.13
22 66 53 00-0216 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	571.47 75.61	126.01
22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0218 EA 1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	149.41 30.08	50.13
22 66 53 00-0219 EA 2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	153.88 31.30	52.16
22 66 53 00-0220 EA 3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	188.55 35.77	59.61
22 66 53 00-0221 EA 4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	269.87 47.55	79.26
22 66 53 00-0222 EA 6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	471.73 65.85	109.74
22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0093)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0224 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	152.51 30.89	51.49
22 66 53 00-0225 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	167.07 33.74	56.22
22 66 53 00-0226 EA 3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	176.16 34.55	57.58
22 66 53 00-0227 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	217.66 41.87	69.77
22 66 53 00-0228 EA 4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	224.36 42.27	70.46
22 66 53 00-0229 EA 4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	239.32 43.50	72.49
22 66 53 00-0230 EA 6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	361.33 54.46	90.77
22 66 53 00-0231 EA 6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	398.74 55.68	92.80
22 66 53 00-0232 EA 6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	412.65 59.74	99.58
22 66 53 00-0233 Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0234 EA 1-1/2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	199.50 39.83	66.39
22 66 53 00-0235 EA 2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	223.72 41.87	69.77
22 66 53 00-0236 EA 3" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	285.42 47.96	79.94
22 66 53 00-0237 EA 4" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	430.38 63.39	105.68
22 66 53 00-0238 EA 6" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	681.78 87.83	146.32
22 66 53 00-0239 Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0240 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	204.98 41.04	68.42
22 66 53 00-0241 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	244.86 43.89	73.16
22 66 53 00-0242 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	243.91 44.71	74.52
22 66 53 00-0243 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	311.70 51.63	86.04
22 66 53 00-0244 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	312.00 52.84	88.07
22 66 53 00-0245 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	343.18 55.68	92.80
22 66 53 00-0246 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	464.19 65.01	108.39
22 66 53 00-0247 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	491.99 67.88	113.13
22 66 53 00-0248 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	567.06 75.61	126.01
22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact) (22 66 53 00-0093)		
22 66 53 00-0250 EA 2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	217.61 41.04	68.42
22 66 53 00-0251 EA 2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	220.37 41.87	69.77
22 66 53 00-0252 EA 2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	228.04 40.65	67.74
22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch) (22 66 53 00-0093)		
22 66 53 00-0254 EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	194.59 30.08	50.13
22 66 53 00-0255 EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	210.95 31.30	52.16
22 66 53 00-0256 EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	242.28 35.77	59.61
22 66 53 00-0257 EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	346.26 47.55	79.26
22 66 53 00-0258 EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	606.33 65.85	109.74
22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) (22 66 53 00-0093)		
22 66 53 00-0260 EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	196.89 30.89	51.49

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0261 EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch).....	221.93	56.22
<i>For Work In Restricted Working Space, Add</i>	33.74	
22 66 53 00-0262 EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch).....	233.80	57.58
<i>For Work In Restricted Working Space, Add</i>	34.55	
22 66 53 00-0263 EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch).....	274.48	69.77
<i>For Work In Restricted Working Space, Add</i>	41.87	
22 66 53 00-0264 EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch).....	286.74	70.46
<i>For Work In Restricted Working Space, Add</i>	42.27	
22 66 53 00-0265 EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch).....	309.53	72.49
<i>For Work In Restricted Working Space, Add</i>	43.50	
22 66 53 00-0266 EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch).....	433.08	92.80
<i>For Work In Restricted Working Space, Add</i>	55.68	
22 66 53 00-0267 EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch).....	486.51	99.58
<i>For Work In Restricted Working Space, Add</i>	59.74	
22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increasesers <small>(22 66 53 00-0093)</small>		
22 66 53 00-0269 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	87.94	33.88
<i>For Eccentric Reducers Or Increasesers, Add</i>	1.62	
<i>For Work In Restricted Working Space, Add</i>	20.32	
22 66 53 00-0270 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	103.15	36.58
<i>For Eccentric Reducers Or Increasesers, Add</i>	2.40	
<i>For Work In Restricted Working Space, Add</i>	21.95	
22 66 53 00-0271 EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser.....	108.11	37.25
<i>For Eccentric Reducers Or Increasesers, Add</i>	2.69	
<i>For Work In Restricted Working Space, Add</i>	22.36	
22 66 53 00-0272 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	133.62	43.36
<i>For Eccentric Reducers Or Increasesers, Add</i>	3.75	
<i>For Work In Restricted Working Space, Add</i>	26.01	
22 66 53 00-0273 EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser.....	137.88	44.03
<i>For Eccentric Reducers Or Increasesers, Add</i>	3.98	
<i>For Work In Restricted Working Space, Add</i>	26.42	
22 66 53 00-0274 EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser.....	145.98	46.07
<i>For Eccentric Reducers Or Increasesers, Add</i>	4.31	
<i>For Work In Restricted Working Space, Add</i>	27.64	
22 66 53 00-0275 EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	243.41	53.52
<i>For Eccentric Reducers Or Increasesers, Add</i>	10.91	
<i>For Work In Restricted Working Space, Add</i>	32.11	
22 66 53 00-0276 EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser.....	253.41	54.19
<i>For Eccentric Reducers Or Increasesers, Add</i>	11.60	
<i>For Work In Restricted Working Space, Add</i>	32.52	
22 66 53 00-0277 EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser.....	267.38	56.22
<i>For Eccentric Reducers Or Increasesers, Add</i>	12.39	
<i>For Work In Restricted Working Space, Add</i>	33.74	
22 66 53 00-0278 EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser.....	285.42	63.00
<i>For Eccentric Reducers Or Increasesers, Add</i>	12.75	
<i>For Work In Restricted Working Space, Add</i>	37.80	
22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps <small>(22 66 53 00-0093)</small>		
22 66 53 00-0280 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	171.35	50.13
<i>For Work In Restricted Working Space, Add</i>	30.08	
22 66 53 00-0281 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	180.81	51.49
<i>For Work In Restricted Working Space, Add</i>	30.89	
22 66 53 00-0282 EA 2" Glass Acid Resistant DWV Swivel P-Trap.....	196.38	52.16
<i>For Work In Restricted Working Space, Add</i>	31.30	
22 66 53 00-0283 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	180.57	50.13
<i>For Work In Restricted Working Space, Add</i>	30.08	
22 66 53 00-0284 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	192.56	51.49
<i>For Work In Restricted Working Space, Add</i>	30.89	
22 66 53 00-0285 EA 2" Glass Acid Resistant DWV Swivel P-Trap.....	209.64	52.16
<i>For Work In Restricted Working Space, Add</i>	31.30	
22 66 53 00-0286 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	183.09	50.13
<i>For Work In Restricted Working Space, Add</i>	30.08	
22 66 53 00-0287 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	192.56	51.49
<i>For Work In Restricted Working Space, Add</i>	30.89	
22 66 53 00-0288 EA 2" Glass Acid Resistant DWV Swivel P-Trap.....	209.64	52.16
<i>For Work In Restricted Working Space, Add</i>	31.30	
22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps <small>(22 66 53 00-0093)</small>		
22 66 53 00-0290 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	211.75	50.13
<i>For Work In Restricted Working Space, Add</i>	30.08	
22 66 53 00-0291 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	252.60	51.49
<i>For Work In Restricted Working Space, Add</i>	30.89	
22 66 53 00-0292 EA 2" Glass Acid Resistant DWV Drum P-Trap.....	259.00	52.16
<i>For Work In Restricted Working Space, Add</i>	31.30	
22 66 53 00-0293 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	227.10	50.13
<i>For Work In Restricted Working Space, Add</i>	30.08	
22 66 53 00-0294 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	238.77	51.49
<i>For Work In Restricted Working Space, Add</i>	30.89	
22 66 53 00-0295 EA 2" Glass Acid Resistant DWV Drum P-Trap.....	261.96	52.16
<i>For Work In Restricted Working Space, Add</i>	31.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs <small>(22 66 53 00-0093)</small>		
22 66 53 00-0297 EA 1-1/2" Glass Acid Resistant DWV Cleanout Plug.....	43.29	16.94
<i>For Work In Restricted Working Space, Add</i>	10.16	
22 66 53 00-0298 EA 2" Glass Acid Resistant DWV Cleanout Plug.....	47.09	17.61
<i>For Work In Restricted Working Space, Add</i>	10.57	
22 66 53 00-0299 EA 3" Glass Acid Resistant DWV Cleanout Plug.....	56.27	19.64
<i>For Work In Restricted Working Space, Add</i>	11.79	
22 66 53 00-0300 EA 4" Glass Acid Resistant DWV Cleanout Plug.....	83.40	26.42
<i>For Work In Restricted Working Space, Add</i>	15.85	
22 66 53 00-0301 EA 6" Glass Acid Resistant DWV Cleanout Plug.....	117.80	36.58
<i>For Work In Restricted Working Space, Add</i>	21.95	
22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings <small>(22 66 53 00-0093)</small>		
22 66 53 00-0303 EA 1-1/2" Glass Acid Resistant DWV Interceptor Trap.....	402.41	66.39
<i>For Work In Restricted Working Space, Add</i>	39.83	
22 66 53 00-0304 EA 1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	51.37	16.94
<i>For Work In Restricted Working Space, Add</i>	10.16	
22 66 53 00-0305 EA 1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	54.71	16.94
<i>For Work In Restricted Working Space, Add</i>	10.16	
22 66 53 00-0306 EA 1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings	88.45	33.88
<i>For Work In Restricted Working Space, Add</i>	20.32	
22 66 53 00-0307 EA 3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings.....	139.59	35.22
<i>For Work In Restricted Working Space, Add</i>	21.14	
22 66 53 00-0308 EA 6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings.....	140.85	35.22
<i>For Work In Restricted Working Space, Add</i>	21.14	
22 66 53 00-0309 EA 3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings.....	153.48	35.22
<i>For Work In Restricted Working Space, Add</i>	21.14	
22 66 53 00-0310 EA 3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings.....	132.77	35.22
<i>For Work In Restricted Working Space, Add</i>	21.14	
22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters <small>(22 66 53 00-0093)</small>		
<i>Note: Includes teflon spacer.</i>		
22 66 53 00-0312 EA 1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	146.82	50.00
<i>For Work In Restricted Working Space, Add</i>	29.99	
22 66 53 00-0313 EA 2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	153.54	52.43
<i>For Work In Restricted Working Space, Add</i>	31.46	
22 66 53 00-0314 EA 3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	197.17	59.75
<i>For Work In Restricted Working Space, Add</i>	35.86	
22 66 53 00-0315 EA 4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	274.25	79.40
<i>For Work In Restricted Working Space, Add</i>	47.60	
22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0093)</small>		
<i>Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.</i>		
22 66 53 00-0317 EA 1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	15.85	
22 66 53 00-0318 EA 2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	19.99	
22 66 53 00-0319 EA 3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	26.73	
22 66 53 00-0320 EA 4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	45.04	
22 66 53 00-0321 EA 6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	104.91	
22 66 53 00-0322 Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0093)</small>		
<i>Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.</i>		
22 66 53 00-0323 EA 1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	20.43	
22 66 53 00-0324 EA 2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	25.57	
22 66 53 00-0325 EA 3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	43.41	
22 66 53 00-0326 EA 4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	64.71	
22 66 53 00-0327 EA 6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	157.79	
22 66 53 00-0328 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
<i>Note: Acid resistant. ASTM A518.</i>		
22 66 53 00-0329 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0328)</small>		
22 66 53 00-0330 LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	148.09	12.06
22 66 53 00-0331 LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	208.77	15.04
22 66 53 00-0332 LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	284.64	17.34
22 66 53 00-0333 LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	466.06	23.08
22 66 53 00-0334 LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	825.35	31.13
22 66 53 00-0335 LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,463.81	39.26
22 66 53 00-0336 LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	2,614.69	52.88

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0337 LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	4,665.94	60.63
22 66 53 00-0338 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0328)		
22 66 53 00-0339 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0338)		
22 66 53 00-0340 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	581.93	102.70
22 66 53 00-0341 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	764.57	113.00
22 66 53 00-0342 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,250.60	135.22
22 66 53 00-0343 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,856.85	152.47
22 66 53 00-0344 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	4,297.08	250.16
22 66 53 00-0345 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0338)		
22 66 53 00-0346 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	331.06	102.70
22 66 53 00-0347 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	434.99	113.00
22 66 53 00-0348 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	547.17	135.22
22 66 53 00-0349 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,468.24	152.47
22 66 53 00-0350 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	3,360.97	250.16
22 66 53 00-0351 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	5,122.56	311.67
22 66 53 00-0352 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	7,544.74	374.80
22 66 53 00-0353 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0338)		
22 66 53 00-0354 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	331.06	102.70
22 66 53 00-0355 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	434.99	113.00
22 66 53 00-0356 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	547.17	135.22
22 66 53 00-0357 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	1,064.87	152.47
22 66 53 00-0358 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,839.55	250.16
22 66 53 00-0359 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	4,164.07	311.67
22 66 53 00-0360 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	5,922.17	374.80
22 66 53 00-0361 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0338)		
22 66 53 00-0362 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	331.06	102.70
22 66 53 00-0363 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	434.99	113.00
22 66 53 00-0364 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	546.84	135.08
22 66 53 00-0365 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps (22 66 53 00-0338)		
22 66 53 00-0366 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	458.95	102.70
22 66 53 00-0367 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	823.60	113.00
22 66 53 00-0368 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	921.02	135.22
22 66 53 00-0369 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees (22 66 53 00-0338)		
22 66 53 00-0370 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	466.54	153.65
22 66 53 00-0371 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	589.85	170.31
22 66 53 00-0372 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	826.37	203.37
22 66 53 00-0373 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,376.55	229.13
22 66 53 00-0374 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	4,306.54	375.56
22 66 53 00-0375 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	6,131.14	468.95
22 66 53 00-0376 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0338)		
22 66 53 00-0377 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	437.29	147.28
22 66 53 00-0378 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	512.57	158.11
22 66 53 00-0379 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	574.95	163.67
22 66 53 00-0380 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	659.58	180.74
22 66 53 00-0381 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	707.57	186.43
22 66 53 00-0382 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	779.64	191.99
22 66 53 00-0383 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	962.18	198.28
22 66 53 00-0384 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	1,072.33	203.38
22 66 53 00-0385 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	1,204.40	212.73
22 66 53 00-0386 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees (22 66 53 00-0338)		
22 66 53 00-0387 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	535.33	153.65
22 66 53 00-0388 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	648.21	169.30
22 66 53 00-0389 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	890.25	203.37
22 66 53 00-0390 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees (22 66 53 00-0338)		
22 66 53 00-0391 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	506.12	147.28
22 66 53 00-0392 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	635.13	164.48



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 66 53 00-0393	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	767.39	186.98
	22 66 53 00-0394	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	824.77	192.53
22 66 53 00-0395				Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0398)</small>		
	22 66 53 00-0396	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	461.90	153.92
	22 66 53 00-0397	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	643.96	170.31
	22 66 53 00-0398	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	826.12	203.23
	22 66 53 00-0399	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	1,385.06	228.29
	22 66 53 00-0400	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	5,417.68	375.19
22 66 53 00-0401				Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0398)</small>		
	22 66 53 00-0402	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	476.60	147.28
	22 66 53 00-0403	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	512.51	158.11
	22 66 53 00-0404	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	541.96	164.62
	22 66 53 00-0405	EA		4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	605.47	180.74
	22 66 53 00-0406	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	629.19	186.71
	22 66 53 00-0407	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	760.82	192.53
	22 66 53 00-0408	EA		6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,015.84	198.52
	22 66 53 00-0409	EA		6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,214.99	203.38
	22 66 53 00-0410	EA		6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,268.35	212.73
	22 66 53 00-0411	EA		8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	3,164.26	302.67
	22 66 53 00-0412	EA		8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	3,420.27	312.67
	22 66 53 00-0413	EA		8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	4,196.78	328.68
22 66 53 00-0414				Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0398)</small>		
	22 66 53 00-0415	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	554.93	153.65
	22 66 53 00-0416	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	662.97	169.90
	22 66 53 00-0417	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	988.64	203.37
	22 66 53 00-0418	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	1,513.40	228.53
22 66 53 00-0419				Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0398)</small>		
	22 66 53 00-0420	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	456.93	147.28
	22 66 53 00-0421	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	532.19	158.11
	22 66 53 00-0422	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	590.86	164.48
	22 66 53 00-0423	EA		4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	639.90	180.74
	22 66 53 00-0424	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	742.80	186.98
	22 66 53 00-0425	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	844.37	192.39
	22 66 53 00-0426	EA		6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,079.71	198.52
	22 66 53 00-0427	EA		6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,357.73	203.50
	22 66 53 00-0428	EA		6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,490.23	213.10
22 66 53 00-0429				Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers <small>(22 66 53 00-0398)</small>		
	22 66 53 00-0430	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	282.74	96.74
	22 66 53 00-0431	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	310.51	102.16
	22 66 53 00-0432	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	348.17	107.58
	22 66 53 00-0433	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	567.45	119.23
	22 66 53 00-0434	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	595.28	124.78
	22 66 53 00-0435	EA		6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	633.49	127.20
	22 66 53 00-0436	EA		6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	830.05	136.93
	22 66 53 00-0437	EA		8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	1,210.97	187.66
	22 66 53 00-0438	EA		8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	1,288.93	203.53
22 66 53 00-0439				Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers <small>(22 66 53 00-0398)</small>		
	22 66 53 00-0440	EA		2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	761.76	225.86
	22 66 53 00-0441	EA		2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	1,017.56	225.86
	22 66 53 00-0442	EA		3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	1,040.51	225.86
	22 66 53 00-0443	EA		4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	1,138.50	283.68
22 66 53 00-0444				Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0398)</small>		
	22 66 53 00-0445	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	872.16	102.70
	22 66 53 00-0446	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,054.80	113.00
	22 66 53 00-0447	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,285.03	135.22
	22 66 53 00-0448	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	3,814.66	152.47
22 66 53 00-0449				Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs <small>(22 66 53 00-0398)</small>		

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities**

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0450 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	424.52	102.70
22 66 53 00-0451 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	538.29	113.00
22 66 53 00-0452 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	743.93	135.22
22 66 53 00-0453 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	945.99	152.47
22 66 53 00-0454 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,863.60	212.73
22 66 53 00-0455 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0328)</small>		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	6.03	
22 66 53 00-0457 LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	90.18	
22 66 53 00-0458 Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
Note: ASTM A518.		
22 66 53 00-0459 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0458)</small>		
22 66 53 00-0460 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	117.59	9.08
22 66 53 00-0461 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	133.86	10.03
22 66 53 00-0462 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	184.84	12.60
22 66 53 00-0463 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	233.38	14.63
22 66 53 00-0464 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00- 0458)</small>		
22 66 53 00-0465 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0466 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	427.64	71.94
22 66 53 00-0467 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	461.36	81.29
22 66 53 00-0468 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	636.16	89.70
22 66 53 00-0469 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	767.64	108.39
22 66 53 00-0470 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0471 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	235.80	71.94
22 66 53 00-0472 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	283.01	80.48
22 66 53 00-0473 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	366.08	89.97
22 66 53 00-0474 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	481.11	107.58
22 66 53 00-0475 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	276.30	76.01
22 66 53 00-0476 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0477 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	235.80	71.94
22 66 53 00-0478 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	283.01	80.48
22 66 53 00-0479 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	366.08	89.97
22 66 53 00-0480 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	481.11	107.58
22 66 53 00-0481 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0482 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	280.07	71.94
22 66 53 00-0483 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	351.88	80.48
22 66 53 00-0484 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	548.09	89.97
22 66 53 00-0485 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	613.93	107.58
22 66 53 00-0486 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0487 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	270.23	71.94
22 66 53 00-0488 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	322.36	80.48
22 66 53 00-0489 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	503.81	89.97
22 66 53 00-0490 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	569.66	107.58
22 66 53 00-0491 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0492 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	408.27	108.25
22 66 53 00-0493 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0494 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	329.56	108.25
22 66 53 00-0495 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	409.09	121.94
22 66 53 00-0496 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	543.16	135.89
22 66 53 00-0497 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	829.25	162.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0498	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0464)</small>	
22 66 53 00-0499 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	382.54	117.34
22 66 53 00-0500 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	470.04	126.55
22 66 53 00-0501 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	501.34	131.01
22 66 53 00-0502 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	536.41	144.56
22 66 53 00-0503 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	591.81	148.63
22 66 53 00-0504 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	642.85	153.10
22 66 53 00-0505	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0464)</small>	
22 66 53 00-0506 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	330.10	108.66
22 66 53 00-0507 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	389.41	121.94
22 66 53 00-0508 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	523.48	135.89
22 66 53 00-0509 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	829.25	162.72
22 66 53 00-0510	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0464)</small>	
22 66 53 00-0511 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	368.69	118.01
22 66 53 00-0512 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	455.25	126.41
22 66 53 00-0513 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	477.34	131.43
22 66 53 00-0514 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	537.06	144.98
22 66 53 00-0515 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	593.04	149.44
22 66 53 00-0516 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	628.66	153.50
22 66 53 00-0517	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 66 53 00-0464)</small>	
22 66 53 00-0518 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	497.34	144.70
22 66 53 00-0519 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	637.60	162.86
22 66 53 00-0520 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	821.05	180.20
22 66 53 00-0521 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	1,072.52	216.65
22 66 53 00-0522 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	549.55	153.23
22 66 53 00-0523 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	617.18	162.32
22 66 53 00-0524 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	738.93	171.26
22 66 53 00-0525 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	815.56	189.68
22 66 53 00-0526 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	987.40	199.30
22 66 53 00-0527	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses <small>(22 66 53 00-0464)</small>	
22 66 53 00-0528 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	556.28	144.70
22 66 53 00-0529 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	656.96	162.59
22 66 53 00-0530 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	950.48	181.14
22 66 53 00-0531 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	1,333.58	216.92
22 66 53 00-0532 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	598.66	153.23
22 66 53 00-0533 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	789.30	162.32
22 66 53 00-0534 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	832.30	171.26
22 66 53 00-0535 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	889.28	189.54
22 66 53 00-0536 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	1,138.83	198.49
22 66 53 00-0537	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>	
22 66 53 00-0538 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	368.37	107.85
22 66 53 00-0539 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	428.77	121.94
22 66 53 00-0540 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	523.48	135.89
22 66 53 00-0541 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	883.35	162.72
22 66 53 00-0542	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>	
22 66 53 00-0543 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	407.24	117.47
22 66 53 00-0544 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	455.79	126.82
22 66 53 00-0545 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	497.02	131.43
22 66 53 00-0546 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	679.72	144.98
22 66 53 00-0547 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	696.34	149.44
22 66 53 00-0548 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	781.15	153.50
22 66 53 00-0549	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>	
22 66 53 00-0550 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	590.41	144.43

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0551 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	745.38	162.45
22 66 53 00-0552 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	1,082.32	180.60
22 66 53 00-0553 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	1,299.84	217.32
22 66 53 00-0554 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0555 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	642.94	153.23
22 66 53 00-0556 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	774.50	162.17
22 66 53 00-0557 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	807.70	171.26
22 66 53 00-0558 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	899.12	189.54
22 66 53 00-0559 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	1,138.83	198.49
22 66 53 00-0560 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers <small>(22 66 53 00-0464)</small>		
22 66 53 00-0561 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	277.44	76.82
22 66 53 00-0562 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	313.72	81.29
22 66 53 00-0563 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	368.47	94.84
22 66 53 00-0564 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	440.06	90.10
22 66 53 00-0565 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	466.50	94.57
22 66 53 00-0566 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	492.94	99.04
22 66 53 00-0567 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0568 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	257.17	63.27
22 66 53 00-0569 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	299.12	71.54
22 66 53 00-0570 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	352.59	81.02
22 66 53 00-0571 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	649.67	98.64
22 66 53 00-0572 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs <small>(22 66 53 00-0464)</small>		
22 66 53 00-0573 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	112.98	36.04
22 66 53 00-0574 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	134.13	40.24
22 66 53 00-0575 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	146.15	44.98
22 66 53 00-0576 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	188.90	53.79
22 66 53 00-0577 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0578 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	476.20	71.54
22 66 53 00-0579 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	489.61	80.48
22 66 53 00-0580 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	607.11	89.97
22 66 53 00-0581 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	776.26	107.58
22 66 53 00-0582 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	666.22	76.95
22 66 53 00-0583 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	920.82	85.89
22 66 53 00-0584 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	1,116.14	94.84
22 66 53 00-0585 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	1,389.28	113.00
22 66 53 00-0586 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0587 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	894.73	81.70
22 66 53 00-0588 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	1,419.38	90.37
22 66 53 00-0589 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	933.59	81.29
22 66 53 00-0590 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	1,419.38	90.37
22 66 53 00-0591 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0592 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	830.29	81.29
22 66 53 00-0593 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	976.66	90.37
22 66 53 00-0594 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap.....	963.11	81.29
22 66 53 00-0595 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	2,132.65	90.37
22 66 53 00-0596 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	1,261.97	90.37
22 66 53 00-0597 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0598 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	339.59	72.35
22 66 53 00-0599 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	446.60	81.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0600 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters <small>(22 66 53 00-0464)</small>		
22 66 53 00-0601 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	169.83	54.19
22 66 53 00-0602 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	319.27	58.80
22 66 53 00-0603 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	229.52	67.74
22 66 53 00-0604 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter <small>(22 66 53 00-0464)</small>		
22 66 53 00-0605 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	322.25	77.09
22 66 53 00-0606 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	353.07	81.29
22 66 53 00-0607 EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	394.28	85.76
22 66 53 00-0608 EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	422.23	94.57
22 66 53 00-0609 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	394.34	85.89
22 66 53 00-0610 EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	415.81	90.37
22 66 53 00-0611 EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	448.67	99.04
22 66 53 00-0612 EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	511.19	94.84
22 66 53 00-0613 EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	631.76	113.00
22 66 53 00-0614 Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0464)</small>		
22 66 53 00-0615 EA 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	118.06	
22 66 53 00-0616 EA 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	137.74	
22 66 53 00-0617 EA 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	147.57	
22 66 53 00-0618 EA 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	162.33	
22 66 53 00-0619 Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings <small>(22 66 53 00-0464)</small>		
22 66 53 00-0620 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	865.84	36.18
22 66 53 00-0621 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	327.17	18.02
22 66 53 00-0622 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	612.48	18.02
22 66 53 00-0623 Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates <small>(22 66 53 00-0464)</small>		
22 66 53 00-0624 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	3,094.54	180.74
22 66 53 00-0625 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	3,826.28	189.81
22 66 53 00-0626 EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	2,594.87	18.02
22 66 83 Chemical-Waste Tanks <small>(22 66)</small>		
22 66 83 16 Chemical-Waste Neutralization Tanks <small>(22 66 83)</small>		
22 66 83 16-0001 Acid Neutralization Tank <small>(22 66 83 16)</small>		
22 66 83 16-0002 Polyethylene Acid Neutralization Tank <small>(22 66 83 16-0001)</small>		
22 66 83 16-0003 EA 5 Gallon Capacity Polyethylene Acid Neutralization Tank	653.16	275.93
22 66 83 16-0004 EA 15 Gallon Capacity Polyethylene Acid Neutralization Tank	1,168.76	382.62
22 66 83 16-0005 EA 30 Gallon Capacity Polyethylene Acid Neutralization Tank	1,463.20	551.85
22 66 83 16-0006 EA 55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,881.90	735.80
22 66 83 16-0007 EA 100 Gallon Capacity Polyethylene Acid Neutralization Tank	2,408.62	882.96
22 66 83 16-0008 EA 150 Gallon Capacity Polyethylene Acid Neutralization Tank	3,280.57	1,103.70
22 66 83 16-0009 EA 200 Gallon Capacity Polyethylene Acid Neutralization Tank	3,800.61	1,379.63
22 66 83 16-0010 EA 275 Gallon Capacity Polyethylene Acid Neutralization Tank	4,917.28	1,655.55
22 66 83 16-0011 EA 350 Gallon Capacity Polyethylene Acid Neutralization Tank	5,596.48	1,986.66
22 66 83 16-0012 Polypropylene Acid Neutralization Tank <small>(22 66 83 16-0001)</small>		
22 66 83 16-0013 EA 5 Gallon Capacity Polypropylene Acid Neutralization Tank	1,052.51	275.93
22 66 83 16-0014 EA 15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,801.06	382.62
22 66 83 16-0015 EA 30 Gallon Capacity Polypropylene Acid Neutralization Tank	2,716.41	551.85
22 66 83 16-0016 EA 55 Gallon Capacity Polypropylene Acid Neutralization Tank	3,581.55	735.80
22 66 83 16-0017 EA 100 Gallon Capacity Polypropylene Acid Neutralization Tank	4,521.62	882.96
22 66 83 16-0018 EA 150 Gallon Capacity Polypropylene Acid Neutralization Tank	5,434.20	1,103.70
22 66 83 16-0019 EA 200 Gallon Capacity Polypropylene Acid Neutralization Tank	5,944.74	1,379.63
22 66 83 16-0020 EA 275 Gallon Capacity Polypropylene Acid Neutralization Tank	8,661.20	1,655.55
22 66 83 16-0021 EA 350 Gallon Capacity Polypropylene Acid Neutralization Tank	9,390.31	1,986.66
22 66 83 16-0022 Chemical Dilution Trap <small>(22 66 83 16)</small>		
22 66 83 16-0023 EA 1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	542.54	91.98
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0024 EA 1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	558.86	91.98
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0025 EA 2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	575.18	91.98
Note: 1-1/2" top inlet and side outlet with anti siphon.		

22 Plumbing

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0026 EA 5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	633.57	110.37

END OF SECTION 22



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

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems ⁽²³⁾

23 01 10 Operation and Maintenance of Facility Fuel Systems ^(23 01)

23 01 10 91 Facility Fuel Systems Restoration ^(23 01 10)

23 01 10 91-0001 Purge Gas Systems ^(23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	679.58
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	970.55
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,018.72
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,123.01
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	2,033.68
23 01 10 91-0007	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	912.81
23 01 10 91-0008	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	1,310.62
23 01 10 91-0009	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	1,385.03
23 01 10 91-0010	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	1,545.39
23 01 10 91-0011	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	2,807.67
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	1,076.64
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	1,578.66
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	3,642.91
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	5,677.41
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	10,662.49

23 01 20 Operation and Maintenance of HVAC Piping and Pumps ^(23 01)

23 01 20 91 HVAC Piping and Pumps Restoration ^(23 01 20)

23 01 20 91-0001 Lock Out/Tag Out System ^(23 01 20 91)

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve.....	36.79
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve.....	44.15
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve.....	51.51
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve.....	58.87
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve.....	73.58
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0007	EA	Lock Out Padlock.....	14.72
23 01 20 91-0008	EA	Lock Out Tags.....	5.25

23 01 20 91-0009 Freeze Pipe Using CO2 Kit ^(23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit.....	392.50
------------------	----	---	--------

23 01 20 91-0011 Pipe Freezing ^(23 01 20 91)

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Pipe Freezing, First Location	856.00
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0013	EA	Up To 1" Pipe Freezing, Each Additional Location After First	431.47
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0014	EA	>1" To 1-1/2" Pipe Freezing, First Location	1,037.09
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0015	EA	>1" To 1-1/2" Pipe Freezing, Each Additional Location After First	497.08
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0016	EA	>1-1/2" To 2" Pipe Freezing, First Location	1,438.32
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0017	EA	>1-1/2" To 2" Pipe Freezing, Each Additional Location After First	562.88
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0018	EA	>2" To 3" Pipe Freezing, First Location.....	1,641.41
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0019	EA	>2" To 3" Pipe Freezing, Each Additional Location After First	665.89
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0020	EA	>3" To 4" Pipe Freezing, First Location.....	2,421.81
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0021	EA	>3" To 4" Pipe Freezing, Each Additional Location After First	767.72
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0022	EA	>4" To 6" Pipe Freezing, First Location.....	5,055.36
		Note: Includes freezing on each side of valve or fitting.	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0023 EA >4" To 6" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,023.50	
23 01 20 91-0024 EA >6" To 8" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	6,725.17	
23 01 20 91-0025 EA >6" To 8" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,517.62	
23 01 20 91-0026 EA >8" To 10" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	9,292.49	
23 01 20 91-0027 EA >8" To 10" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,083.30	
23 01 20 91-0028 EA >10" To 12" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	11,974.90	
23 01 20 91-0029 EA >10" To 12" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,720.08	
23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing (23 01 20 91) Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".		
23 01 20 91-0031 LF Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct -0.18 For >500 To 2000, Deduct -0.46 For >2000, Deduct -0.67	2.44	
23 01 20 91-0032 LF >1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct -0.25 For >500 To 2000, Deduct -0.61 For >2000, Deduct -0.89	3.35	
23 01 20 91-0033 LF >2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct -0.37 For >500 To 2000, Deduct -0.92 For >2000, Deduct -1.33	5.15	
23 01 20 91-0034 LF 4", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct -0.49 For >500 To 2000, Deduct -1.23 For >2000, Deduct -1.78	7.11	
23 01 20 91-0035 LF 6", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct -0.59 For >500 To 2000, Deduct -1.47 For >2000, Deduct -2.13	8.76	
23 01 20 91-0036 LF 8", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct -0.74 For >500 To 2000, Deduct -1.84 For >2000, Deduct -2.67	11.09	
23 01 20 91-0037 LF 10", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct -0.98 For >500 To 2000, Deduct -2.45 For >2000, Deduct -3.56	14.59	
23 01 20 91-0038 LF 12", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct -1.18 For >500 To 2000, Deduct -2.94 For >2000, Deduct -4.27	17.52	
23 01 20 91-0039 Shut Down Existing Piping System (23 01 20 91)		
23 01 20 91-0040 EA Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	299.83	
23 01 20 91-0041 Purge Liquid Systems (23 01 20 91) Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.		
23 01 20 91-0042 EA Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System 232.59	232.59	
23 01 20 91-0043 EA >50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System 290.74	290.74	
23 01 20 91-0044 EA >100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System 414.97	414.97	
23 01 20 91-0045 EA >250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System 497.26	497.26	
23 01 20 91-0046 EA >500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System 621.58	621.58	
23 01 20 91-0047 EA >1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System 808.06	808.06	
23 01 20 91-0048 LF >2,000', Up To 3/4" Diameter Pipe, Purge Liquid System 0.40	0.40	
23 01 20 91-0049 EA Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System 484.36	484.36	
23 01 20 91-0050 EA >100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System 691.76	691.76	
23 01 20 91-0051 EA >250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System 828.87	828.87	
23 01 20 91-0052 EA >500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System 1,036.08	1,036.08	
23 01 20 91-0053 EA >1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System 1,346.91	1,346.91	
23 01 20 91-0054 LF >2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System 0.67	0.67	
23 01 20 91-0055 EA Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System 678.11	678.11	
23 01 20 91-0056 EA >100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System 968.48	968.48	
23 01 20 91-0057 EA >250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System 1,160.42	1,160.42	
23 01 20 91-0058 EA >500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System 1,450.51	1,450.51	
23 01 20 91-0059 EA >1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System 1,885.67	1,885.67	
23 01 20 91-0060 LF >2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System 0.95	0.95	
23 01 20 91-0061 EA Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System 932.39	932.39	
23 01 20 91-0062 EA >100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System 1,331.65	1,331.65	
23 01 20 91-0063 EA >250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System 1,413.62	1,413.62	
23 01 20 91-0064 EA >500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System 1,767.02	1,767.02	
23 01 20 91-0065 EA >1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System 2,297.12	2,297.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0066 LF >2,000', >3" To 6" Diameter Pipe, Purge Liquid System.....	1.15	
23 01 20 91-0067 EA Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System	1,258.74	
23 01 20 91-0068 EA >100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System.....	1,797.72	
23 01 20 91-0069 EA >250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System.....	1,908.38	
23 01 20 91-0070 EA >500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System.....	2,385.46	
23 01 20 91-0071 EA >1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System.....	3,101.12	
23 01 20 91-0072 LF >2,000', >6" To 10" Diameter Pipe, Purge Liquid System.....	1.55	
23 01 20 91-0073 Special Cleaning Of Piping Systems (23 01 20 91)		
23 01 20 91-0074 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing (23 01 20 91-0073)		
23 01 20 91-0075 LF Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	3.06	
For >250 To 500, Deduct	-0.21	
For >500 To 2000, Deduct	-0.52	
For >2000, Deduct	-0.76	
23 01 20 91-0076 LF >1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	5.10	
For >250 To 500, Deduct	-0.34	
For >500 To 2000, Deduct	-0.85	
For >2000, Deduct	-1.23	
23 01 20 91-0077 LF >2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	7.15	
For >250 To 500, Deduct	-0.47	
For >500 To 2000, Deduct	-1.17	
For >2000, Deduct	-1.69	
23 01 20 91-0078 LF >3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	9.25	
For >250 To 500, Deduct	-0.60	
For >500 To 2000, Deduct	-1.50	
For >2000, Deduct	-2.18	
23 01 20 91-0079 LF >4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	12.84	
For >250 To 500, Deduct	-0.84	
For >500 To 2000, Deduct	-2.10	
For >2000, Deduct	-3.05	
23 01 20 91-0080 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing (23 01 20 91-0073)		
23 01 20 91-0081 LF Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	3.29	
For >250 To 500, Deduct	-0.21	
For >500 To 2000, Deduct	-0.52	
For >2000, Deduct	-0.76	
23 01 20 91-0082 LF >1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	5.39	
For >250 To 500, Deduct	-0.34	
For >500 To 2000, Deduct	-0.85	
For >2000, Deduct	-1.23	
23 01 20 91-0083 LF >2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	7.56	
For >250 To 500, Deduct	-0.47	
For >500 To 2000, Deduct	-1.17	
For >2000, Deduct	-1.69	
23 01 20 91-0084 LF >3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	9.86	
For >250 To 500, Deduct	-0.60	
For >500 To 2000, Deduct	-1.50	
For >2000, Deduct	-2.18	
23 01 20 91-0085 LF >4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	13.65	
For >250 To 500, Deduct	-0.84	
For >500 To 2000, Deduct	-2.10	
For >2000, Deduct	-3.05	
23 01 20 91-0086 Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing (23 01 20 91-0073)		
23 01 20 91-0087 LF Up To 1", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing.....	3.36	
For >250 To 500, Deduct	-0.21	
For >500 To 2000, Deduct	-0.52	
For >2000, Deduct	-0.76	
23 01 20 91-0088 LF >1" To 2", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	5.51	
For >250 To 500, Deduct	-0.34	
For >500 To 2000, Deduct	-0.85	
For >2000, Deduct	-1.23	
23 01 20 91-0089 LF >2" To 3", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	7.73	
For >250 To 500, Deduct	-0.47	
For >500 To 2000, Deduct	-1.17	
For >2000, Deduct	-1.69	
23 01 20 91-0090 LF >3" To 4", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	10.10	
For >250 To 500, Deduct	-0.60	
For >500 To 2000, Deduct	-1.50	
For >2000, Deduct	-2.18	
23 01 20 91-0091 LF >4" To 6", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	13.96	
For >250 To 500, Deduct	-0.84	
For >500 To 2000, Deduct	-2.10	
For >2000, Deduct	-3.05	
23 01 20 91-0092 Add-A-Valve Emergency Shut Off Device (23 01 20 91)		
23 01 20 91-0093 EA 1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	392.26	
23 01 20 91-0094 EA 3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	493.26	
23 01 20 91-0095 EA 1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	680.68	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 20 91-0096	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,035.61
23 01 20 91-0097	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,276.74
23 01 20 91-0098	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	1,920.38

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)**23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)****23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment (23 01 30 51)**

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork	4.52
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.13
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork	5.66
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.42
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork	7.59
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.90
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Supply/Return Ductwork	10.74
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	2.69
23 01 30 51-0006	SF	Clean Duct Dampers	15.22
23 01 30 51-0007	SF	Clean Duct Fire Dampers	30.43
23 01 30 51-0008	SF	Clean Louver	12.18
23 01 30 51-0009	EA	Clean Turning Vane Set	36.53
23 01 30 51-0010	EA	Clean Grille/Diffuser/Register	36.53
		Note: Includes removal and reinstallation.	
23 01 30 51-0011	LF	Clean Linear Diffuser	9.13
		Note: Includes removal and reinstallation.	
23 01 30 51-0012	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	125.51
		<i>For Stainless Steel, Add</i>	86.86
23 01 30 51-0013	EA	Clean Variable Air Volume (VAV) Unit	109.58
23 01 30 51-0014	EA	Clean Fan Powered Induction Unit (PIU) Unit	146.10
23 01 30 51-0015	EA	Clean Fan Coil Unit (FCU)	146.10
23 01 30 51-0016	EA	Clean Packaged Terminal Air Conditioning Unit	146.10
23 01 30 51-0017	EA	Clean Supply Or Return Fan	292.21
23 01 30 51-0018	EA	Clean Exhaust Fan	255.69
23 01 30 51-0019	EA	Clean Duct Coil	219.16
23 01 30 51-0020	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum	7.31
		Note: Excluding fan and coils.	
23 01 30 51-0021	EA	Clean Air Handling Unit Fan	292.21
23 01 30 51-0022	EA	Clean Air Handling Unit Coil	438.32
23 01 30 51-0023	SF	Clean Equipment Surfaces, Rust Reform And Prime	3.81
23 01 30 51-0024	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	4.53
23 01 30 51-0025	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.62
23 01 30 51-0026	EA	Cleaning Of Ductwork Minimum Set-up Charge	994.66
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
23 01 30 51-0027	SF	Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning	0.64

23 01 30 61 HVAC Air-Distribution Duct Repair (23 01 30)**23 01 30 61-0001 Repair And Seal Ductwork (23 01 30 61)**

Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.

23 01 30 61-0002	SF	Repair And Sealing Of Ductwork	2.56
		Note: Clean, apply sealant and tape	

23 01 30 61-0003 Rework Sheet Metal Ductwork (23 01 30 61)

Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.

23 01 30 61-0004	LF	Up To 1 SF Cross Section, Rework Existing Ductwork	36.25
23 01 30 61-0005	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork	70.67
23 01 30 61-0006	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork	93.38
23 01 30 61-0007	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork	116.95
23 01 30 61-0008	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork	163.10
23 01 30 61-0009	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork	190.28
23 01 30 61-0010	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork	217.46
23 01 30 61-0011	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork	244.65

23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)**23 01 50 61 Central Heating Equipment Repair (23 01 50)****23 01 50 61-0001 Boiler Repairs (23 01 50 61)****23 01 50 61-0002 Setup And Maintenance (23 01 50 61-0001)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0003 EA Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	3,024.67	
23 01 50 61-0004 EA Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	3,252.72	
<i>For Burner Seals, Add</i>	702.47	
<i>Note: Used when burner must be removed from door for maintenance.</i>		
23 01 50 61-0005 EA Setup Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	4,032.90	
23 01 50 61-0006 EA Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	2,016.45	
23 01 50 61-0007 EA >100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	4,032.90	
23 01 50 61-0008 EA Removal And Replacement Of Handhole	126.03	
23 01 50 61-0009 EA Removal And Replacement Of Manhole	378.08	
23 01 50 61-0010 SF Sheet Metal Jacket Patch	13.88	
23 01 50 61-0011 Boiler Tube Replacement <small>(23 01 50 61-0001)</small>		
23 01 50 61-0012 EA Removal Of Up To 2" Boiler Tube	302.47	
23 01 50 61-0013 EA Removal Of >2" To 3" Boiler Tube	378.09	
23 01 50 61-0014 EA Removal Of >3" To 4" Boiler Tube	529.31	
23 01 50 61-0015 LF Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	10.87	
23 01 50 61-0016 LF Place 2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	12.64	
23 01 50 61-0017 LF Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	14.44	
23 01 50 61-0018 LF Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	20.62	
23 01 50 61-0019 LF Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	24.15	
23 01 50 61-0020 LF Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	30.85	
23 01 50 61-0021 EA 1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	37.81	
23 01 50 61-0022 EA 2" Rolled Boiler Tube Termination (2 Per New Tube)	56.72	
23 01 50 61-0023 EA 2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	75.62	
23 01 50 61-0024 EA 3" Rolled Boiler Tube Termination (2 Per New Tube)	94.53	
23 01 50 61-0025 EA 3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	113.42	
23 01 50 61-0026 EA 4" Rolled Boiler Tube Termination (2 Per New Tube)	132.33	
23 01 50 61-0027 EA 1-1/2" Welded Boiler Tube Termination (2 Per New Tube)	113.42	
23 01 50 61-0028 EA 2" Welded Boiler Tube Termination (2 Per New Tube)	151.23	
23 01 50 61-0029 EA 2-1/2" Welded Boiler Tube Termination (2 Per New Tube)	189.04	
23 01 50 61-0030 EA 3" Welded Boiler Tube Termination (2 Per New Tube)	226.85	
23 01 50 61-0031 EA 3-1/2" Welded Boiler Tube Termination (2 Per New Tube)	264.66	
23 01 50 61-0032 EA 4" Welded Boiler Tube Termination (2 Per New Tube)	302.47	
23 01 50 61-0033 EA Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced	398.48	
23 01 50 61-0034 Cast Iron Boiler Section Replacement <small>(23 01 50 61-0001)</small>		
23 01 50 61-0035 EA Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler	3,080.75	
23 01 50 61-0036 EA Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	2,043.77	
23 01 50 61-0037 EA Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,718.32	
23 01 50 61-0038 EA Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler	5,532.98	
23 01 50 61-0039 EA Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	3,935.79	
23 01 50 61-0040 EA Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	4,839.74	
23 01 50 61-0041 EA Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler	8,798.69	
23 01 50 61-0042 EA Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	6,621.01	
23 01 50 61-0043 EA Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	7,481.54	
23 01 50 61-0044 Cast Iron Grate Replacement <small>(23 01 50 61-0001)</small>		
23 01 50 61-0045 SF Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	152.00	
23 01 50 61-0046 EA Prepare Cast Iron Boiler Grate Mold Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,086.40	
23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners <small>(23 01 50 61-0001)</small>		
<i>Note: Includes mounting plate, mechanical and electrical labor for installation of burners.</i>		
23 01 50 61-0048 EA 700 MBH Max Input Burner With 2" Boiler Connection, Screwed	10,828.60	1,444.40
23 01 50 61-0049 EA 2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	15,536.52	1,788.27
23 01 50 61-0050 EA 2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed	18,367.65	2,166.44
23 01 50 61-0051 EA 3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged	21,599.11	2,331.11
23 01 50 61-0052 Boiler And Chiller Water Treatment <small>(23 01 50 61)</small>		
<i>Note: 3 LB chemical per 50 gallon system water.</i>		
23 01 50 61-0053 LB Boil Out Boiler And System With Caustic Soda Note: Includes disposal after treatment.	1.63	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 01 Operation and Maintenance of HVAC Systems

23 01 50 Operation and Maintenance of Central Heating Equipment



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

23 01 50 61-0054	LB	Boil Out Boiler And System With Trisodium Phosphate.....	2.44	
Note: Includes disposal after treatment.				
23 01 50 61-0055	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required.....	152.67	

23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)

23 01 60 61 Central Cooling Equipment Repair (23 01 60)

23 01 60 61-0001 Cooling Tower Repairs (23 01 60 61)

23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade.....	3,436.35	
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade.....	4,042.85	
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade.....	4,644.90	
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade.....	5,479.40	
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade.....	6,034.98	
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade.....	3,800.75	
23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade.....	4,225.72	
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade.....	4,956.16	
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade.....	5,642.34	
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade.....	6,211.22	
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan.....	942.08	
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan.....	979.98	
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan.....	1,048.89	
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan.....	1,221.82	
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan.....	1,512.05	
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan.....	2,039.14	
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan.....	2,145.66	
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan.....	2,305.44	
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread).....	47.33	
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill.....	29.86	

23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)

23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)

23 01 60 71-0002	LB	Recovery Of Refrigerant.....	15.56	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant.....	29.19	
Note: Includes cleaning refrigerant gas prior to recharging.				

23 05 Common Work Results for HVAC (23)

23 05 13 Common Motor Requirements for HVAC Equipment (23 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors (23 05 13)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	692.93	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	784.62	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	919.90	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	772.59	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	820.69	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,076.22	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	907.87	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	879.31	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,100.27	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	919.90	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	948.46	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,400.89	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,004.07	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,038.64	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,835.29	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,593.29	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,527.15	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,200.54	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,821.76	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,848.81	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,863.41	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,588.34	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,618.40	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,861.46	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,040.77	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,287.28	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,700.19	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,651.03	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,007.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0033	EA		25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,677.21	
23 05 13 00-0034	EA		30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,307.88	
23 05 13 00-0035	EA		30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,381.54	
23 05 13 00-0036	EA		30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,922.21	
23 05 13 00-0037	EA		40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,550.95	
23 05 13 00-0038	EA		40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,716.29	
23 05 13 00-0039	EA		50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,045.47	
23 05 13 00-0040	EA		50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,308.51	
23 05 13 00-0041	EA		60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,649.28	
23 05 13 00-0042	EA		60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,942.38	
23 05 13 00-0043	EA		75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	10,034.70	
23 05 13 00-0044	EA		75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,749.11	
23 05 13 00-0045	EA		100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	10,726.12	
23 05 13 00-0046	EA		100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,342.39	
23 05 13 00-0047	EA		125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,461.76	
23 05 13 00-0048	EA		125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,914.20	
23 05 13 00-0049	EA		150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,606.25	
23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)					
23 05 13 00-0051	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	8,436.90	
23 05 13 00-0052	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,213.56	
23 05 13 00-0053	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	12,967.24	
23 05 13 00-0054	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	14,437.28	
23 05 13 00-0055	EA		100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	15,890.77	
23 05 13 00-0056	EA		125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,160.89	
23 05 13 00-0057	EA		150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	15,456.38	
23 05 13 00-0058	EA		150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	20,210.68	
23 05 13 00-0059	EA		200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	18,818.81	
23 05 13 00-0060	EA		200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	19,314.84	
23 05 13 00-0061	EA		200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	26,567.29	
23 05 13 00-0062 Premium Efficient, TEFC Motors (23 05 13 00-0001)					
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.					
23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)					
23 05 13 00-0064	EA		1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	810.17	
23 05 13 00-0065	EA		1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	892.84	
23 05 13 00-0066	EA		1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,062.69	
23 05 13 00-0067	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	918.39	
23 05 13 00-0068	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	927.41	
23 05 13 00-0069	EA		2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,005.57	
23 05 13 00-0070	EA		2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	961.98	
23 05 13 00-0071	EA		3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,115.30	
23 05 13 00-0072	EA		3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,062.69	
23 05 13 00-0073	EA		3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,706.02	
23 05 13 00-0074	EA		5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,237.05	
23 05 13 00-0075	EA		5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,163.40	
23 05 13 00-0076	EA		5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,926.97	
23 05 13 00-0077	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,853.32	
23 05 13 00-0078	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,677.46	
23 05 13 00-0079	EA		10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,878.88	
23 05 13 00-0080	EA		10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,893.91	
23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)					
23 05 13 00-0082	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,155.88	
23 05 13 00-0083	EA		1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,294.17	
23 05 13 00-0084	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,220.52	
23 05 13 00-0085	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,197.97	
23 05 13 00-0086	EA		1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,540.68	
23 05 13 00-0087	EA		2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,283.65	
23 05 13 00-0088	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,255.09	
23 05 13 00-0089	EA		2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,564.73	
23 05 13 00-0090	EA		3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,385.86	
23 05 13 00-0091	EA		3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,424.94	
23 05 13 00-0092	EA		3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,949.52	
23 05 13 00-0093	EA		5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,706.02	
23 05 13 00-0094	EA		5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,426.44	
23 05 13 00-0095	EA		5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,262.17	
23 05 13 00-0096	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,975.07	
23 05 13 00-0097	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,902.92	
23 05 13 00-0098	EA		7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,225.65	
23 05 13 00-0099	EA		10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,314.77	
23 05 13 00-0100	EA		10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,134.40	
23 05 13 00-0101	EA		10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,682.60	
23 05 13 00-0102	EA		15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,189.58	
23 05 13 00-0103	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,919.02	
23 05 13 00-0104	EA		15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,912.13	
23 05 13 00-0105	EA		20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,500.72	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 13 Common Motor Requirements for HVAC Equipment



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

23 05 13 00-0106	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,539.80	
23 05 13 00-0107	EA		20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,539.99	
23 05 13 00-0108	EA		25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,567.92	
23 05 13 00-0109	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,629.55	
23 05 13 00-0110	EA		25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,399.76	
23 05 13 00-0111	EA		30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,427.69	
23 05 13 00-0112	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,492.33	
23 05 13 00-0113	EA		30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,548.13	
23 05 13 00-0114	EA		40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,440.34	
23 05 13 00-0115	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,181.81	
23 05 13 00-0116	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,652.47	
23 05 13 00-0117	EA		50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,139.29	
23 05 13 00-0118	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,849.19	
23 05 13 00-0119	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,872.55	
23 05 13 00-0120	EA		60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,434.08	
23 05 13 00-0121	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,294.29	
23 05 13 00-0122	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,624.72	
23 05 13 00-0123	EA		75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,302.44	
23 05 13 00-0124	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,206.24	
23 05 13 00-0125	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	18,195.03	
23 05 13 00-0126	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,400.32	
23 05 13 00-0127	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	20,303.87	
23 05 13 00-0128	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	23,355.17	
23 05 13 00-0129	EA		200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	29,352.54	

23 05 13 00-0130 Premium Efficient, Severe Duty Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA		1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,200.98	
23 05 13 00-0132	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,319.72	
23 05 13 00-0133	EA		1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,458.01	
23 05 13 00-0134	EA		1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,048.73	
23 05 13 00-0135	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,366.32	
23 05 13 00-0136	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,345.27	
23 05 13 00-0137	EA		1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,706.02	
23 05 13 00-0138	EA		1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,549.26	
23 05 13 00-0139	EA		2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,429.45	
23 05 13 00-0140	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,403.90	
23 05 13 00-0141	EA		2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,728.56	
23 05 13 00-0142	EA		2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,215.13	
23 05 13 00-0143	EA		3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,690.99	
23 05 13 00-0144	EA		3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,776.66	
23 05 13 00-0145	EA		3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,495.15	
23 05 13 00-0146	EA		3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,487.19	
23 05 13 00-0147	EA		5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,080.29	
23 05 13 00-0148	EA		5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,808.23	
23 05 13 00-0149	EA		5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,528.21	
23 05 13 00-0150	EA		5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,550.95	
23 05 13 00-0151	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,714.60	
23 05 13 00-0152	EA		7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,277.20	
23 05 13 00-0153	EA		7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,617.96	
23 05 13 00-0154	EA		7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,347.59	
23 05 13 00-0155	EA		10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,890.46	
23 05 13 00-0156	EA		10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,726.62	
23 05 13 00-0157	EA		10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,700.19	
23 05 13 00-0158	EA		10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,404.27	
23 05 13 00-0159	EA		15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,697.63	
23 05 13 00-0160	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,473.66	
23 05 13 00-0161	EA		15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,388.61	
23 05 13 00-0162	EA		15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,884.39	
23 05 13 00-0163	EA		20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,313.90	
23 05 13 00-0164	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,726.18	
23 05 13 00-0165	EA		20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,321.60	
23 05 13 00-0166	EA		20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,268.74	
23 05 13 00-0167	EA		25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,184.19	
23 05 13 00-0168	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,876.06	
23 05 13 00-0169	EA		25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,650.78	
23 05 13 00-0170	EA		30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,320.54	
23 05 13 00-0171	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,789.94	
23 05 13 00-0172	EA		30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,863.34	
23 05 13 00-0173	EA		40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,683.41	
23 05 13 00-0174	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,575.62	
23 05 13 00-0175	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,293.85	
23 05 13 00-0176	EA		50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,099.77	
23 05 13 00-0177	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,892.34	
23 05 13 00-0178	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,095.01	
23 05 13 00-0179	EA		60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,206.24	
23 05 13 00-0180	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,918.08	
23 05 13 00-0181	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	17,886.89	
23 05 13 00-0182	EA		75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,763.45	
23 05 13 00-0183	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,926.22	



Heating, Ventilating, and Air-Conditioning (HVAC)

23

Common Work Results for HVAC 23 05

Common Motor Requirements for HVAC Equipment 23 05 13

23

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists various motor specifications and their costs.

23 05 13 00-0197

Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

Table listing explosion proof motor specifications (e.g., 1 HP, 1,800 RPM, 143T NEMA) and their costs.

23 05 13 00-0216

Motor Mounting (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

Table listing motor mounting specifications (e.g., 1/2 HP Motor Mounting) and their costs.

23 05 16 Expansion Fittings and Loops for HVAC Piping (23 05)

23 05 16 00-0001

Stainless Steel Bellows Type Expansion Joints (23 05 16)

Note: Includes internal sleeves and external covers.

23 05 16 00-0002

Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

Table listing expansion joint specifications (e.g., 1/2" Threaded, 150 LB) and their costs.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0009 Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0010 EA 1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	517.49	118.60
For 300 LB Rating, Add	92.54	
23 05 16 00-0011 EA 1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	572.71	142.32
For 300 LB Rating, Add	98.59	
23 05 16 00-0012 EA 2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	620.34	180.68
For 300 LB Rating, Add	98.61	
23 05 16 00-0013 EA 2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	670.09	196.54
For 300 LB Rating, Add	105.91	
23 05 16 00-0014 EA 3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	746.19	230.43
For 300 LB Rating, Add	114.45	
23 05 16 00-0015 EA 4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	977.92	386.30
For 300 LB Rating, Add	123.46	
23 05 16 00-0016 EA 5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,263.66	422.56
For 300 LB Rating, Add	184.07	
23 05 16 00-0017 EA 6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,219.55	469.52
For 300 LB Rating, Add	157.64	
23 05 16 00-0018 EA 8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,562.58	599.93
For 300 LB Rating, Add	204.33	
23 05 16 00-0019 EA 10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,970.17	730.35
For 300 LB Rating, Add	264.31	
23 05 16 00-0020 EA 12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,541.97	553.24
For 300 LB Rating, Add	358.51	
23 05 16 00-0021 EA 14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,183.46	1,043.36
For 300 LB Rating, Add	469.82	
23 05 16 00-0022 EA 16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,989.23	1,147.69
For 300 LB Rating, Add	638.66	
23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0024 EA 1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	622.51	162.66
For 300 LB Rating, Add	74.33	
23 05 16 00-0025 EA 1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	644.79	164.01
For 300 LB Rating, Add	79.19	
23 05 16 00-0026 EA 2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	656.00	169.43
For 300 LB Rating, Add	79.20	
23 05 16 00-0027 EA 2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	710.21	184.75
For 300 LB Rating, Add	85.07	
23 05 16 00-0028 EA 3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	803.46	217.28
For 300 LB Rating, Add	92.12	
23 05 16 00-0029 EA 4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,261.08	432.66
For 300 LB Rating, Add	99.16	
23 05 16 00-0030 EA 5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,472.57	441.73
For 300 LB Rating, Add	147.84	
23 05 16 00-0031 EA 6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,483.91	489.08
For 300 LB Rating, Add	126.62	
23 05 16 00-0032 EA 8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,772.52	558.85
For 300 LB Rating, Add	164.12	
23 05 16 00-0033 EA 10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,215.84	684.70
For 300 LB Rating, Add	212.29	
23 05 16 00-0034 EA 12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,811.69	829.99
For 300 LB Rating, Add	287.95	
23 05 16 00-0035 EA 14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,258.47	845.12
For 300 LB Rating, Add	391.96	
23 05 16 00-0036 EA 16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,244.58	1,056.39
For 300 LB Rating, Add	532.83	
23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)		
23 05 17 00-0001 Wall Seals And Sleeves (23 05 17) Note: Up to 12" walls. Excludes drilling hole.		
23 05 17 00-0002 Ductile Iron Wall Sleeve (23 05 17 00-0001) Note: Includes rubber gasket seal.		
23 05 17 00-0003 EA 3" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	151.11	64.49
23 05 17 00-0004 EA 4" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	184.13	75.33
23 05 17 00-0005 EA 6" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	224.20	90.37
23 05 17 00-0006 EA 8" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	322.22	135.49
23 05 17 00-0007 EA 10" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	417.84	180.60
23 05 17 00-0008 EA 12" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	516.76	225.86
23 05 17 00-0009 Steel Pipe Sleeves (23 05 17 00-0001) Note: Includes link seals 12" length.		
23 05 17 00-0010 EA 2" Steel Pipe Sleeve With Link Seals.....	170.67	65.25
23 05 17 00-0011 EA 2-1/2" Steel Pipe Sleeve With Link Seals.....	207.20	70.73
23 05 17 00-0012 EA 3" Steel Pipe Sleeve With Link Seals.....	242.27	76.22
23 05 17 00-0013 EA 4" Steel Pipe Sleeve With Link Seals.....	297.80	91.43
23 05 17 00-0014 EA 6" Steel Pipe Sleeve With Link Seals.....	424.51	114.19
23 05 17 00-0015 EA 10" Steel Pipe Sleeve With Link Seals.....	790.29	137.08



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 17 00-0016	EA		13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	935.75	171.34
	23 05 17 00-0017	EA		17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	1,246.25	210.83
	23 05 17 00-0018	EA		23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	1,707.44	274.15
	23 05 17 00-0019	EA		29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	1,844.10	342.70

23 05 19 Meters and Gages for HVAC Piping (23 05)

See CSI section 33 19 00 00-0000 for water utility service metering.

	23 05 19 00-0001	Thermometers <small>(23 05 19)</small>				
	23 05 19 00-0002	Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers <small>(23 05 19 00-0001)</small>				
		Note: Various ranges.				
	23 05 19 00-0003	EA		2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	130.40	47.11
	23 05 19 00-0004	EA		2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	148.76	47.11
	23 05 19 00-0005	EA		3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	148.76	47.11
	23 05 19 00-0006	Liquid Filled Industrial Union Connection Type Thermometers <small>(23 05 19 00-0001)</small>				
		Note: Various ranges.				
	23 05 19 00-0007	EA		7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	167.12	47.11
	23 05 19 00-0008	EA		9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	167.12	47.11
	23 05 19 00-0009	EA		12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	205.52	47.11
	23 05 19 00-0010	EA		7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	172.13	47.11
	23 05 19 00-0011	EA		9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	180.48	47.11
	23 05 19 00-0012	EA		12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	210.53	47.11
	23 05 19 00-0013	Liquid Filled Industrial Separable Socket Type Thermometers <small>(23 05 19 00-0001)</small>				
		Note: Various ranges. Socket connection for thermowell.				
	23 05 19 00-0014	EA		7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	167.12	47.11
	23 05 19 00-0015	EA		9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	167.12	47.11
	23 05 19 00-0016	EA		12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	205.52	47.11
	23 05 19 00-0017	EA		7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	188.83	47.11
	23 05 19 00-0018	EA		9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	205.52	47.11
	23 05 19 00-0019	EA		12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	209.78	47.11
	23 05 19 00-0020	1" NPT, 304 Stainless Steel Thermowells <small>(23 05 19 00-0001)</small>				
	23 05 19 00-0021	EA		4" Long, 1" NPT, 304 Stainless Steel Thermowell	199.42	88.32
	23 05 19 00-0022	EA		8" Long, 1" NPT, 304 Stainless Steel Thermowell	199.35	88.32
	23 05 19 00-0023	Pressure Gauges <small>(23 05 19)</small>				
	23 05 19 00-0024	Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>				
	23 05 19 00-0025	EA		2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	47.48	18.40
	23 05 19 00-0026	EA		4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	57.33	18.40
	23 05 19 00-0027	Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>				
	23 05 19 00-0028	EA		3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	304.76	18.40
	23 05 19 00-0029	EA		4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	304.76	18.40
	23 05 19 00-0030	EA		6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	395.76	18.40
	23 05 19 00-0031	EA		8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	931.68	18.40
	23 05 19 00-0032	Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>				
		Note: Liquid filled.				
	23 05 19 00-0033	EA		2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	149.82	18.40
	23 05 19 00-0034	EA		4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	330.55	18.40
	23 05 19 00-0035	Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges <small>(23 05 19 00-0023)</small>				
	23 05 19 00-0036	EA		4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	335.63	18.40
	23 05 19 00-0037	EA		6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	335.63	18.40
	23 05 19 00-0038	EA		8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	335.63	18.40
	23 05 19 00-0039	Gauge Accessories <small>(23 05 19 00-0023)</small>				
	23 05 19 00-0040	EA		Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer).....	95.34	14.72
	23 05 19 00-0041	EA		1/4" Snubber Valve	63.32	14.72
	23 05 19 00-0042	EA		1/4" Female Pipe Thread, Brass Gauge Cock	40.63	22.09
	23 05 19 00-0043	EA		1/4" Male Pipe Thread, Brass Gauge Cock	36.16	22.09
	23 05 19 00-0044	EA		1/4" Pressure Pigtail Steam Siphon	41.35	22.09
	23 05 19 00-0045	EA		1/4" x 3" Long Black Steel Nipple.....	8.73	7.36
	23 05 19 00-0046	EA		1/4" Steel Thread-O-Let.....	84.86	36.80
	23 05 19 00-0047	EA		1/4", 300 LB, Black Steel Union	103.66	14.72
	23 05 19 00-0048	EA		1/4" Black Steel Coupling.....	32.19	14.72
	23 05 19 00-0049	EA		1/4", 300 LB, Black Steel Plug	18.29	8.83

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0050 EA 1/4", 150 LB, Black Steel Cap.....	19.21	8.83
23 05 19 00-0051 LF 1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	10.50	4.86
23 05 19 00-0052 LF 1/4" Schedule 80, Plain End, Black Steel Pipe.....	9.73	4.86
23 05 19 00-0053 LF 1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	9.85	
23 05 19 00-0054 EA 1/4" Threaded, 800 LB, Forged Steel, Ball Valve.....	115.29	
23 05 19 00-0055 Valve Lock Covers (23 05 19)		
23 05 19 00-0056 EA Valve Lock Cover.....	93.52	22.52
23 05 19 00-0057 Venturi Flowmeters (23 05 19)		
23 05 19 00-0058 Threaded, Brass, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0059 EA 3/4" Threaded, Brass, Venturi Flowmeter.....	310.13	100.10
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0060 EA 1" Threaded, Brass, Venturi Flowmeter.....	345.87	120.12
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0061 EA 1-1/4" Threaded, Brass, Venturi Flowmeter.....	381.80	133.52
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0062 EA 1-1/2" Threaded, Brass, Venturi Flowmeter.....	430.23	150.16
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0063 EA 2" Threaded, Brass, Venturi Flowmeter.....	509.68	171.65
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0064 EA 2-1/2" Threaded, Brass, Venturi Flowmeter.....	674.17	214.44
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0065 Butt Weld, Carbon Steel, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0066 EA 3" Butt Weld, Carbon Steel, Venturi Flowmeter.....	1,404.53	205.62
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	347.66	
23 05 19 00-0067 EA 4" Butt Weld, Carbon Steel, Venturi Flowmeter.....	1,917.21	246.74
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	498.31	
23 05 19 00-0068 EA 5" Butt Weld, Carbon Steel, Venturi Flowmeter.....	2,504.11	308.43
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	660.54	
23 05 19 00-0069 EA 6" Butt Weld, Carbon Steel, Venturi Flowmeter.....	3,007.72	411.23
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	764.84	
23 05 19 00-0070 EA 8" Butt Weld, Carbon Steel, Venturi Flowmeter.....	4,331.06	493.48
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	1,170.44	
23 05 19 00-0071 EA 10" Butt Weld, Carbon Steel, Venturi Flowmeter.....	6,961.71	616.85
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	2,004.80	
23 05 19 00-0072 EA 12" Butt Weld, Carbon Steel, Venturi Flowmeter.....	10,263.77	794.49
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	3,036.18	
23 05 19 00-0073 EA 14" Butt Weld, Carbon Steel, Venturi Flowmeter.....	14,435.48	1,191.74
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	4,218.20	
23 05 19 00-0074 EA 16" Butt Weld, Carbon Steel, Venturi Flowmeter.....	21,355.40	1,324.15
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	6,547.48	
23 05 19 00-0075 Turbine Flowmeter (23 05 19)		
23 05 19 00-0076 EA Saddle Mount Turbine Flowmeter.....	971.65	110.41
23 05 19 00-0077 Sight Flow Indicator (23 05 19)		
23 05 19 00-0078 Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0077)		
23 05 19 00-0079 EA 1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	176.13	21.43
23 05 19 00-0080 EA 3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	184.03	22.55
23 05 19 00-0081 EA 1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	198.83	23.70
23 05 19 00-0082 EA 3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	224.37	31.93
23 05 19 00-0083 EA 1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	268.35	38.70
23 05 19 00-0084 EA 1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	305.94	49.00
23 05 19 00-0085 EA 1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	429.46	56.65
23 05 19 00-0086 EA 2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	477.15	66.96



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0087				Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
23 05 19 00-0088	EA			1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	226.96	21.43
23 05 19 00-0089	EA			3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	233.73	22.55
23 05 19 00-0090	EA			1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	251.92	23.70
23 05 19 00-0091	EA			3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	269.55	31.93
23 05 19 00-0092	EA			1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	287.55	38.70
23 05 19 00-0093	EA			1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	313.84	49.00
23 05 19 00-0094	EA			1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	583.07	56.65
23 05 19 00-0095	EA			2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	626.24	66.96
23 05 19 00-0096				Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
23 05 19 00-0097	EA			1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	325.23	21.43
23 05 19 00-0098	EA			3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	343.29	22.55
23 05 19 00-0099	EA			1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	372.78	23.70
23 05 19 00-0100	EA			3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	407.35	31.93
23 05 19 00-0101	EA			1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	468.27	38.70
23 05 19 00-0102	EA			1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	497.95	49.00
23 05 19 00-0103	EA			1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	989.69	56.65
23 05 19 00-0104	EA			2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	1,044.16	66.96
23 05 19 00-0105				Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0106	EA			1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	223.57	21.43
23 05 19 00-0107	EA			3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	232.60	22.55
23 05 19 00-0108	EA			1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	246.27	23.70
23 05 19 00-0109	EA			3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	268.42	31.93
23 05 19 00-0110	EA			1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	286.42	38.70
23 05 19 00-0111	EA			1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	313.84	49.00
23 05 19 00-0112	EA			1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	576.30	56.65
23 05 19 00-0113	EA			2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	617.21	66.96
23 05 19 00-0114				Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0115	EA			1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	322.97	21.43
23 05 19 00-0116	EA			3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	347.81	22.55
23 05 19 00-0117	EA			1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	379.55	23.70
23 05 19 00-0118	EA			3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	407.35	31.93
23 05 19 00-0119	EA			1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	468.27	38.70
23 05 19 00-0120	EA			1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	502.47	49.00
23 05 19 00-0121	EA			1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	989.69	56.65
23 05 19 00-0122	EA			2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	1,044.16	66.96
23 05 19 00-0123				Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0124	EA			1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	477.30	38.70
23 05 19 00-0125	EA			1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	538.61	49.00
23 05 19 00-0126	EA			1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	612.44	56.65
23 05 19 00-0127	EA			2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	689.49	66.96
23 05 19 00-0128				Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0129	EA			1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	1,054.87	154.52
23 05 19 00-0130	EA			2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	1,183.32	196.17
23 05 19 00-0131	EA			3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	1,730.08	230.33
23 05 19 00-0132	EA			4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	2,619.21	386.13

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 19 Meters and Gages for HVAC Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0133 EA 6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	4,168.16	437.38
23 05 19 00-0134 Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0135 EA 1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	807.49	110.37
23 05 19 00-0136 EA 1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	952.87	128.76
23 05 19 00-0137 EA 1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,031.72	154.52
23 05 19 00-0138 EA 2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,293.45	196.17
23 05 19 00-0139 EA 3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,865.05	230.33
23 05 19 00-0140 EA 4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,765.48	386.13
23 05 19 00-0141 Water Flow Switches <small>(23 05 19)</small>		
23 05 19 00-0142 EA Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	308.19	43.38
23 05 19 00-0143 EA Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	318.52	43.38
23 05 19 00-0144 EA Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	405.76	43.38
23 05 19 00-0145 EA Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	418.97	43.38
23 05 19 00-0146 EA Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	331.73	43.38
23 05 19 00-0147 EA Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	343.77	43.38
23 05 19 00-0148 EA Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	429.31	43.38
23 05 19 00-0149 EA Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	441.35	43.38
23 05 19 00-0150 EA Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	829.32	43.38
23 05 19 00-0151 EA Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	841.00	43.38
23 05 19 00-0152 EA Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	951.90	43.38
23 05 19 00-0153 EA Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	967.95	43.38
23 05 19 00-0154 EA Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	857.05	43.38
23 05 19 00-0155 EA Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	873.10	43.38
23 05 19 00-0156 EA Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	979.63	43.38
23 05 19 00-0157 EA Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	997.14	43.38
23 05 23 General-Duty Valves For HVAC Piping <small>(23 05)</small>		
Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additional valves, 23 21 13 23-0669 for bolt and gasket sets.		
23 05 23 00-0001 Gate Valves <small>(23 05 23)</small>		
23 05 23 00-0002 Class 125 Threaded, Bronze Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating, 200 psi cold working pressure.		
23 05 23 00-0003 EA 1/4" Diameter, 125 LB, Threaded Bronze Gate Valve	73.65	14.72
<i>For Work In Restricted Working Space, Add</i>		12.86
<i>For 150 LB Rating, Add</i>		3.08
<i>For 200 LB Rating, Add</i>		4.62
<i>For 250 LB Rating, Add</i>		7.70
<i>For 300 LB Rating, Add</i>		10.78
23 05 23 00-0004 EA 3/8" Diameter, 125 LB, Threaded Bronze Gate Valve	75.90	14.72
<i>For Work In Restricted Working Space, Add</i>		13.53
<i>For 150 LB Rating, Add</i>		3.08
<i>For 200 LB Rating, Add</i>		4.62
<i>For 250 LB Rating, Add</i>		7.70
<i>For 300 LB Rating, Add</i>		10.78
23 05 23 00-0005 EA 1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	78.28	14.72
<i>For Work In Restricted Working Space, Add</i>		14.24
<i>For 150 LB Rating, Add</i>		3.08
<i>For 200 LB Rating, Add</i>		4.62
<i>For 250 LB Rating, Add</i>		7.70
<i>For 300 LB Rating, Add</i>		10.78
23 05 23 00-0006 EA 3/4" Diameter, 125 LB, Threaded Bronze Gate Valve	100.73	16.19
<i>For Work In Restricted Working Space, Add</i>		19.19
<i>For 150 LB Rating, Add</i>		3.68
<i>For 200 LB Rating, Add</i>		5.51
<i>For 250 LB Rating, Add</i>		9.19
<i>For 300 LB Rating, Add</i>		12.86
23 05 23 00-0007 EA 1" Diameter, 125 LB, Threaded Bronze Gate Valve	132.98	18.40
<i>For Work In Restricted Working Space, Add</i>		23.24
<i>For 150 LB Rating, Add</i>		5.55
<i>For 200 LB Rating, Add</i>		8.33
<i>For 250 LB Rating, Add</i>		13.88
<i>For 300 LB Rating, Add</i>		19.43
23 05 23 00-0008 EA 1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve	172.97	19.58
<i>For Work In Restricted Working Space, Add</i>		29.43
<i>For 150 LB Rating, Add</i>		7.49
<i>For 200 LB Rating, Add</i>		11.23
<i>For 250 LB Rating, Add</i>		18.72
<i>For 300 LB Rating, Add</i>		26.20
23 05 23 00-0009 EA 1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	207.53	22.66
<i>For Work In Restricted Working Space, Add</i>		33.96
<i>For 150 LB Rating, Add</i>		9.43
<i>For 200 LB Rating, Add</i>		14.15
<i>For 250 LB Rating, Add</i>		23.58
<i>For 300 LB Rating, Add</i>		33.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0010 EA 2" Diameter, 125 LB, Threaded Bronze Gate Valve	262.67	26.78
<i>For Work In Restricted Working Space, Add</i>	40.13	
<i>For 150 LB Rating, Add</i>	12.89	
<i>For 200 LB Rating, Add</i>	19.33	
<i>For 250 LB Rating, Add</i>	32.22	
<i>For 300 LB Rating, Add</i>	45.11	
23 05 23 00-0011 EA 2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	548.24	36.18
<i>For Work In Restricted Working Space, Add</i>	54.20	
<i>For Chain Operated Type, Add</i>	165.42	
<i>For 150 LB Rating, Add</i>	36.76	
<i>For 200 LB Rating, Add</i>	55.14	
<i>For 250 LB Rating, Add</i>	91.90	
<i>For 300 LB Rating, Add</i>	128.66	
23 05 23 00-0012 EA 3" Diameter, 125 LB, Threaded Bronze Gate Valve	647.85	42.00
<i>For Work In Restricted Working Space, Add</i>	62.53	
<i>For Chain Operated Type, Add</i>	197.73	
<i>For 150 LB Rating, Add</i>	43.94	
<i>For 200 LB Rating, Add</i>	65.91	
<i>For 250 LB Rating, Add</i>	109.85	
<i>For 300 LB Rating, Add</i>	153.79	
23 05 23 00-0013 EA 4" Diameter, 125 LB, Threaded Bronze Gate Valve	1,283.89	47.42
<i>For Work In Restricted Working Space, Add</i>	71.13	
<i>For Chain Operated Type, Add</i>	471.06	
<i>For 150 LB Rating, Add</i>	104.68	
<i>For 200 LB Rating, Add</i>	157.02	
<i>For 250 LB Rating, Add</i>	261.70	
<i>For 300 LB Rating, Add</i>	366.38	
23 05 23 00-0014 Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0015 EA 1-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	295.14	22.66
<i>For Work In Restricted Working Space, Add</i>	33.96	
<i>For 150 LB Rating, Add</i>	36.39	
<i>For 250 LB Rating, Add</i>	63.68	
<i>For Chain Operated Type, Add</i>	63.68	
23 05 23 00-0016 EA 2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	441.21	26.78
<i>For Work In Restricted Working Space, Add</i>	40.13	
<i>For 150 LB Rating, Add</i>	61.49	
<i>For 250 LB Rating, Add</i>	107.60	
<i>For Chain Operated Type, Add</i>	107.60	
23 05 23 00-0017 EA 2-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	643.03	36.18
<i>For Work In Restricted Working Space, Add</i>	54.20	
<i>For 150 LB Rating, Add</i>	92.48	
<i>For 250 LB Rating, Add</i>	161.83	
<i>For Chain Operated Type, Add</i>	161.83	
23 05 23 00-0018 EA 3" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	815.11	42.00
<i>For Work In Restricted Working Space, Add</i>	62.53	
<i>For 150 LB Rating, Add</i>	121.33	
<i>For 250 LB Rating, Add</i>	212.33	
<i>For Chain Operated Type, Add</i>	212.33	
23 05 23 00-0019 EA 4" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,870.18	47.42
<i>For Work In Restricted Working Space, Add</i>	71.13	
<i>For 150 LB Rating, Add</i>	326.62	
<i>For 250 LB Rating, Add</i>	571.58	
<i>For Chain Operated Type, Add</i>	571.58	
23 05 23 00-0020 Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0021 EA 1-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	447.20	154.52
<i>For Work In Restricted Working Space, Add</i>	58.09	
<i>For 150 LB Rating, Add</i>	73.54	
<i>For 250 LB Rating, Add</i>	126.79	
<i>For 300 LB Rating, ASTM A182, Add</i>	350.39	
<i>For Chain Operated Type, Add</i>	126.79	
23 05 23 00-0022 EA 2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	510.47	196.17
<i>For Work In Restricted Working Space, Add</i>	73.58	
<i>For 150 LB Rating, Add</i>	76.91	
<i>For 250 LB Rating, Add</i>	132.60	
<i>For 300 LB Rating, ASTM A182, Add</i>	387.84	
<i>For Chain Operated Type, Add</i>	132.60	
23 05 23 00-0023 EA 2-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	564.53	196.45
<i>For Work In Restricted Working Space, Add</i>	73.90	
<i>For 150 LB Rating, Add</i>	92.28	
<i>For 250 LB Rating, Add</i>	159.10	
<i>For 300 LB Rating, ASTM A182, Add</i>	441.36	
<i>For Chain Operated Type, Add</i>	159.10	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0024 EA 3" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	685.98	230.33
For Work In Restricted Working Space, Add	86.48	
For 150 LB Rating, Add	115.34	
For 250 LB Rating, Add	198.86	
For 300 LB Rating, ASTM A182, Add	541.85	
For Chain Operated Type, Add	198.86	
23 05 23 00-0025 EA 4" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,014.20	386.13
For Work In Restricted Working Space, Add	145.17	
For 150 LB Rating, Add	153.79	
For 250 LB Rating, Add	265.16	
For 300 LB Rating, ASTM A182, Add	772.26	
For Chain Operated Type, Add	265.16	
23 05 23 00-0026 EA 5" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,180.63	393.64
For Work In Restricted Working Space, Add	147.39	
For 150 LB Rating, Add	199.91	
For 250 LB Rating, Add	344.67	
For 300 LB Rating, ASTM A182, Add	934.99	
For Chain Operated Type, Add	344.67	
23 05 23 00-0027 EA 6" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,397.01	437.38
For Work In Restricted Working Space, Add	164.60	
For 150 LB Rating, Add	246.02	
For 250 LB Rating, Add	424.17	
For 300 LB Rating, ASTM A182, Add	1,122.67	
For Chain Operated Type, Add	424.17	
23 05 23 00-0028 EA 8" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,099.52	558.87
For Work In Restricted Working Space, Add	208.28	
For 150 LB Rating, Add	407.53	
For 250 LB Rating, Add	702.64	
For 300 LB Rating, ASTM A182, Add	1,752.40	
For Chain Operated Type, Add	702.64	
23 05 23 00-0029 EA 10" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,706.33	680.37
For Work In Restricted Working Space, Add	255.14	
For 150 LB Rating, Add	538.21	
For 250 LB Rating, Add	927.94	
For 300 LB Rating, ASTM A182, Add	2,281.11	
For Chain Operated Type, Add	927.94	
23 05 23 00-0030 EA 12" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	3,682.25	826.15
For Work In Restricted Working Space, Add	309.26	
For 150 LB Rating, Add	768.91	
For 250 LB Rating, Add	1,325.70	
For 300 LB Rating, ASTM A182, Add	3,166.83	
For Chain Operated Type, Add	1,325.70	
23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0032 EA 1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	559.18	22.66
For Work In Restricted Working Space, Add	33.96	
For 175 LB Rating, Add	222.99	
For 250 LB Rating, Add	334.49	
23 05 23 00-0033 EA 2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	710.32	26.78
For Work In Restricted Working Space, Add	40.13	
For 175 LB Rating, Add	288.27	
For 250 LB Rating, Add	432.41	
23 05 23 00-0034 EA 2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	830.77	36.18
For Work In Restricted Working Space, Add	54.20	
For 175 LB Rating, Add	325.06	
For 250 LB Rating, Add	487.59	
23 05 23 00-0035 EA 3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	925.78	42.00
For Work In Restricted Working Space, Add	62.53	
For 175 LB Rating, Add	358.67	
For 250 LB Rating, Add	538.01	
23 05 23 00-0036 EA 4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	1,227.65	47.42
For Work In Restricted Working Space, Add	71.13	
For 175 LB Rating, Add	495.28	
For 250 LB Rating, Add	742.91	
23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".		
23 05 23 00-0038 EA 1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	559.18	154.52
For Work In Restricted Working Space, Add	58.09	
For 150 LB Rating, Add	54.83	
For 175 LB Rating, Add	113.32	
For 250 LB Rating, Add	237.61	
For Chain Operated Type, Add	182.78	
23 05 23 00-0039 EA 2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	621.67	196.17
For Work In Restricted Working Space, Add	73.58	
For 150 LB Rating, Add	56.46	
For 175 LB Rating, Add	116.68	
For 250 LB Rating, Add	244.66	
For Chain Operated Type, Add	188.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0040 EA 2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	635.03 73.90 58.30 120.49 252.65 194.35	196.45
23 05 23 00-0041 EA 3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	715.93 86.48 64.15 132.57 277.98 213.83	230.33
23 05 23 00-0042 EA 4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	1,002.53 145.17 77.80 160.78 337.12 259.32	386.13
23 05 23 00-0043 EA 5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	1,214.91 147.39 108.54 224.32 470.35 361.81	393.64
23 05 23 00-0044 EA 6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	1,375.08 164.60 123.96 256.18 537.16 413.20	437.38
23 05 23 00-0045 EA 8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	2,091.92 208.28 209.65 433.28 908.49 698.84	558.87
23 05 23 00-0046 EA 10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	3,001.46 255.14 322.65 666.81 1,398.16 1,075.51	680.37
23 05 23 00-0047 EA 12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	3,757.08 309.26 408.93 845.13 1,772.05 1,363.12	826.15
23 05 23 00-0048 EA 14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	7,191.69 413.41 872.05 1,802.23 3,778.88	1,102.43
23 05 23 00-0049 EA 16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	9,248.59 454.75 1,159.91 2,397.15 5,026.29	1,212.67
23 05 23 00-0050 EA 18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	12,507.20 504.36 1,623.90 3,356.06 7,036.89	1,344.97
23 05 23 00-0051 EA 20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	15,811.81 568.44 2,087.55 4,314.27 9,046.05	1,515.84
23 05 23 00-0052 EA 24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	21,524.24 697.63 2,879.82 5,951.63 12,479.22	1,860.35
23 05 23 00-0053 EA 30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	44,587.05 1,136.88 6,119.62 12,647.21 26,518.34	3,031.69
23 05 23 00-0054 EA 36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	56,889.56 1,515.84 7,775.51 16,069.40 33,693.89	4,042.25

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0055	EA		42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	66,966.75	5,192.42
			<i>For Work In Restricted Working Space, Add</i>	1,947.16	
			<i>For 150 LB Rating, Add</i>	9,071.43	
			<i>For 175 LB Rating, Add</i>	18,747.63	
			<i>For 250 LB Rating, Add</i>	39,309.54	
23 05 23 00-0056	EA		48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	80,641.97	6,490.53
			<i>For Work In Restricted Working Space, Add</i>	2,433.95	
			<i>For 150 LB Rating, Add</i>	10,879.32	
			<i>For 175 LB Rating, Add</i>	22,483.93	
			<i>For 250 LB Rating, Add</i>	47,143.72	
23 05 23 00-0057	EA		54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	96,770.36	7,788.64
			<i>For Work In Restricted Working Space, Add</i>	2,920.74	
			<i>For 150 LB Rating, Add</i>	13,055.18	
			<i>For 175 LB Rating, Add</i>	26,980.71	
			<i>For 250 LB Rating, Add</i>	56,572.46	
23 05 23 00-0058			Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves <small>(23 05 23 00-0001)</small>		
			Note: 800 psig at 850 degrees F.		
23 05 23 00-0059	EA		1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	170.66	14.72
			<i>For Work In Restricted Working Space, Add</i>	12.86	
23 05 23 00-0060	EA		1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	175.29	14.72
			<i>For Work In Restricted Working Space, Add</i>	14.24	
23 05 23 00-0061	EA		3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	208.94	16.19
			<i>For Work In Restricted Working Space, Add</i>	19.19	
23 05 23 00-0062	EA		1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	253.60	18.40
			<i>For Work In Restricted Working Space, Add</i>	23.24	
23 05 23 00-0063	EA		1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	382.30	19.58
			<i>For Work In Restricted Working Space, Add</i>	29.43	
23 05 23 00-0064	EA		1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	451.44	22.66
			<i>For Work In Restricted Working Space, Add</i>	33.96	
23 05 23 00-0065	EA		2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	565.54	26.78
			<i>For Work In Restricted Working Space, Add</i>	40.13	
23 05 23 00-0066			Ball Valves <small>(23 05 23)</small>		
			See CSI section 23 23 13 00-0000 for refrigeration valves.		
23 05 23 00-0067			Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves <small>(23 05 23 00-0066)</small>		
			Note: 125 LB WSP.		
23 05 23 00-0068	EA		1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	59.91	14.72
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	5.59	
			<i>For Work In Restricted Working Space, Add</i>	14.24	
23 05 23 00-0069	EA		3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	83.09	16.19
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	8.60	
			<i>For Work In Restricted Working Space, Add</i>	19.19	
23 05 23 00-0070	EA		1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	103.25	18.40
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	11.61	
			<i>For Work In Restricted Working Space, Add</i>	23.24	
23 05 23 00-0071	EA		1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	141.42	19.58
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	19.49	
			<i>For Work In Restricted Working Space, Add</i>	29.43	
23 05 23 00-0072	EA		1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	168.52	22.66
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	24.89	
			<i>For Work In Restricted Working Space, Add</i>	33.96	
23 05 23 00-0073	EA		2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	203.07	26.78
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	31.18	
			<i>For Work In Restricted Working Space, Add</i>	40.13	
23 05 23 00-0074	EA		2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	507.65	36.18
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	147.15	
			<i>For Work In Restricted Working Space, Add</i>	54.20	
23 05 23 00-0075	EA		3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	585.73	42.00
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	169.78	
			<i>For Work In Restricted Working Space, Add</i>	62.53	
23 05 23 00-0076	EA		4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	751.48	47.42
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	231.47	
			<i>For Work In Restricted Working Space, Add</i>	71.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0077 Screwed, 150 LB, Full Port, Carbon Steel Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0078 EA 1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	66.63	14.72
<i>For Work In Restricted Working Space, Add</i>	12.86	
23 05 23 00-0079 EA 1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	73.29	14.72
<i>For Work In Restricted Working Space, Add</i>	14.24	
23 05 23 00-0080 EA 3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	101.31	16.19
<i>For Work In Restricted Working Space, Add</i>	19.19	
23 05 23 00-0081 EA 1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	127.66	18.40
<i>For Work In Restricted Working Space, Add</i>	23.24	
23 05 23 00-0082 EA 1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	183.91	19.58
<i>For Work In Restricted Working Space, Add</i>	29.43	
23 05 23 00-0083 EA 1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	221.89	22.66
<i>For Work In Restricted Working Space, Add</i>	33.96	
23 05 23 00-0084 EA 2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	283.44	26.78
<i>For Work In Restricted Working Space, Add</i>	40.13	
23 05 23 00-0085 Flanged, 150 LB, Full Port, Carbon Steel Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0086 EA 1-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	384.02	154.52
<i>For Work In Restricted Working Space, Add</i>	58.09	
<i>For 150 LB Rating, Add</i>	55.21	
<i>For 250 LB Rating, Add</i>	95.20	
<i>For 300 LB Rating, ASTM A182, Add</i>	287.21	
<i>For Chain Operated Type, Add</i>	95.20	
<i>For Work In Restricted Working Space, Add</i>	58.09	
23 05 23 00-0087 EA 2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	481.46	196.17
<i>For Work In Restricted Working Space, Add</i>	73.58	
<i>For 150 LB Rating, Add</i>	68.50	
<i>For 250 LB Rating, Add</i>	118.10	
<i>For 300 LB Rating, ASTM A182, Add</i>	358.83	
<i>For Chain Operated Type, Add</i>	118.10	
<i>For Work In Restricted Working Space, Add</i>	73.58	
23 05 23 00-0088 EA 2-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	677.80	196.45
<i>For Work In Restricted Working Space, Add</i>	73.90	
<i>For 150 LB Rating, Add</i>	125.12	
<i>For 250 LB Rating, Add</i>	215.73	
<i>For 300 LB Rating, ASTM A182, Add</i>	554.63	
<i>For Chain Operated Type, Add</i>	215.73	
<i>For Work In Restricted Working Space, Add</i>	73.90	
23 05 23 00-0089 EA 3" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	754.77	230.33
<i>For Work In Restricted Working Space, Add</i>	86.48	
<i>For 150 LB Rating, Add</i>	135.29	
<i>For 250 LB Rating, Add</i>	233.25	
<i>For 300 LB Rating, ASTM A182, Add</i>	610.64	
<i>For Chain Operated Type, Add</i>	233.25	
<i>For Work In Restricted Working Space, Add</i>	86.48	
23 05 23 00-0090 EA 4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	1,139.14	386.13
<i>For Work In Restricted Working Space, Add</i>	145.17	
23 05 23 00-0091 EA 6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	2,325.28	437.38
<i>For Work In Restricted Working Space, Add</i>	164.60	
23 05 23 00-0092 EA 8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	3,846.45	558.87
<i>For Work In Restricted Working Space, Add</i>	208.28	
23 05 23 00-0093 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0094 EA 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	55.11	14.72
<i>For True Union Socket Or Thread Type, Add</i>	5.54	
<i>For Work In Restricted Working Space, Add</i>	14.24	
23 05 23 00-0095 EA 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	72.76	16.19
<i>For True Union Socket Or Thread Type, Add</i>	6.87	
<i>For Work In Restricted Working Space, Add</i>	19.19	
23 05 23 00-0096 EA 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	89.69	18.40
<i>For True Union Socket Or Thread Type, Add</i>	8.96	
<i>For Work In Restricted Working Space, Add</i>	23.24	
23 05 23 00-0097 EA 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	114.18	19.58
<i>For True Union Socket Or Thread Type, Add</i>	11.58	
<i>For Work In Restricted Working Space, Add</i>	29.43	
23 05 23 00-0098 EA 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	141.15	22.66
<i>For True Union Socket Or Thread Type, Add</i>	17.12	
<i>For Work In Restricted Working Space, Add</i>	33.96	
23 05 23 00-0099 EA 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	169.40	26.78
<i>For True Union Socket Or Thread Type, Add</i>	21.27	
<i>For Work In Restricted Working Space, Add</i>	40.13	
23 05 23 00-0100 EA 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	257.30	36.18
<i>For True Union Socket Or Thread Type, Add</i>	40.14	
<i>For Work In Restricted Working Space, Add</i>	54.20	
23 05 23 00-0101 EA 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	338.78	42.00
<i>For True Union Socket Or Thread Type, Add</i>	63.08	
<i>For Work In Restricted Working Space, Add</i>	62.53	
23 05 23 00-0102 EA 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	486.31	47.42
<i>For True Union Socket Or Thread Type, Add</i>	112.13	
<i>For Work In Restricted Working Space, Add</i>	71.13	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0103			Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0104	EA		1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	101.65	22.08
			<i>For Full Port, Add</i>	16.82	
			<i>For Work In Restricted Working Space, Add</i>	19.28	
23 05 23 00-0105	EA		3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	105.03	22.08
			<i>For Full Port, Add</i>	16.82	
			<i>For Work In Restricted Working Space, Add</i>	20.30	
23 05 23 00-0106	EA		1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	108.57	22.08
			<i>For Full Port, Add</i>	16.82	
			<i>For Work In Restricted Working Space, Add</i>	21.36	
23 05 23 00-0107	EA		3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	135.60	24.28
			<i>For Full Port, Add</i>	17.83	
			<i>For Work In Restricted Working Space, Add</i>	28.79	
23 05 23 00-0108	EA		1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	174.88	27.59
			<i>For Full Port, Add</i>	26.41	
			<i>For Work In Restricted Working Space, Add</i>	34.86	
23 05 23 00-0109	EA		1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	227.49	29.36
			<i>For Full Port, Add</i>	36.15	
			<i>For Work In Restricted Working Space, Add</i>	44.15	
23 05 23 00-0110	EA		1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	276.61	33.99
			<i>For Full Port, Add</i>	48.06	
			<i>For Work In Restricted Working Space, Add</i>	50.94	
23 05 23 00-0111	EA		2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	374.50	40.18
			<i>For Full Port, Add</i>	78.22	
			<i>For Work In Restricted Working Space, Add</i>	60.20	
23 05 23 00-0112	EA		2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	692.81	54.26
			<i>For Full Port, Add</i>	189.83	
			<i>For Work In Restricted Working Space, Add</i>	81.29	
23 05 23 00-0113	EA		3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	982.53	63.00
			<i>For Full Port, Add</i>	301.44	
			<i>For Work In Restricted Working Space, Add</i>	93.80	
23 05 23 00-0114			Globe Valves <small>(23 05 23)</small>		
23 05 23 00-0115			Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves <small>(23 05 23 00-0114)</small>		
23 05 23 00-0116	EA		1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	82.54	14.72
			<i>For 150 LB Rating, Add</i>	10.87	
			<i>For 200 LB Rating, Add</i>	13.32	
			<i>For 250 LB Rating, Add</i>	15.78	
			<i>For 300 LB Rating, Add</i>	19.28	
			<i>For Work In Restricted Working Space, Add</i>	14.24	
23 05 23 00-0117	EA		1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	77.91	14.72
			<i>For 150 LB Rating, Add</i>	10.87	
			<i>For 200 LB Rating, Add</i>	13.32	
			<i>For 250 LB Rating, Add</i>	15.78	
			<i>For 300 LB Rating, Add</i>	19.28	
			<i>For Work In Restricted Working Space, Add</i>	12.86	
23 05 23 00-0118	EA		3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	97.44	14.72
			<i>For 150 LB Rating, Add</i>	16.23	
			<i>For 200 LB Rating, Add</i>	19.89	
			<i>For 250 LB Rating, Add</i>	23.55	
			<i>For 300 LB Rating, Add</i>	28.79	
			<i>For Work In Restricted Working Space, Add</i>	13.53	
23 05 23 00-0119	EA		1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	99.82	14.72
			<i>For 150 LB Rating, Add</i>	16.23	
			<i>For 200 LB Rating, Add</i>	19.89	
			<i>For 250 LB Rating, Add</i>	23.55	
			<i>For 300 LB Rating, Add</i>	28.79	
			<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	76.57	
			<i>For Work In Restricted Working Space, Add</i>	14.24	
23 05 23 00-0120	EA		3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	120.71	15.45
			<i>For 150 LB Rating, Add</i>	17.59	
			<i>For 200 LB Rating, Add</i>	21.56	
			<i>For 250 LB Rating, Add</i>	25.53	
			<i>For 300 LB Rating, Add</i>	31.20	
			<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	88.00	
			<i>For Work In Restricted Working Space, Add</i>	19.19	
23 05 23 00-0121	EA		1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	154.14	15.45
			<i>For 150 LB Rating, Add</i>	23.77	
			<i>For 200 LB Rating, Add</i>	29.14	
			<i>For 250 LB Rating, Add</i>	34.51	
			<i>For 300 LB Rating, Add</i>	42.17	
			<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	115.33	
			<i>For Work In Restricted Working Space, Add</i>	23.24	
23 05 23 00-0122	EA		1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	230.55	19.58
			<i>For 150 LB Rating, Add</i>	41.06	
			<i>For 200 LB Rating, Add</i>	50.33	
			<i>For 250 LB Rating, Add</i>	59.60	
			<i>For 300 LB Rating, Add</i>	72.84	
			<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	184.93	
			<i>For Work In Restricted Working Space, Add</i>	29.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0123 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	302.47	22.66
<i>For 150 LB Rating, Add</i>	58.67	
<i>For 200 LB Rating, Add</i>	71.92	
<i>For 250 LB Rating, Add</i>	85.17	
<i>For 300 LB Rating, Add</i>	104.10	
<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	253.48	
<i>For Work In Restricted Working Space, Add</i>	33.96	
23 05 23 00-0124 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	356.29	26.78
<i>For 150 LB Rating, Add</i>	68.98	
<i>For 200 LB Rating, Add</i>	84.55	
<i>For 250 LB Rating, Add</i>	100.13	
<i>For 300 LB Rating, Add</i>	122.38	
<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	298.27	
<i>For Work In Restricted Working Space, Add</i>	40.13	
23 05 23 00-0125 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	404.99	36.18
<i>For 150 LB Rating, Add</i>	69.55	
<i>For 200 LB Rating, Add</i>	85.25	
<i>For 250 LB Rating, Add</i>	100.95	
<i>For 300 LB Rating, Add</i>	123.39	
<i>For Work In Restricted Working Space, Add</i>	54.20	
23 05 23 00-0126 EA 3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB	711.04	42.00
<i>For 150 LB Rating, Add</i>	155.81	
<i>For 200 LB Rating, Add</i>	190.99	
<i>For 250 LB Rating, Add</i>	226.17	
<i>For 300 LB Rating, Add</i>	276.43	
<i>For Work In Restricted Working Space, Add</i>	62.53	
23 05 23 00-0127 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves <small>(23 05 23 00-0114)</small>		
23 05 23 00-0128 EA 2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	524.71	26.78
<i>For 150 LB Rating, Add</i>	121.19	
<i>For 200 LB Rating, Add</i>	148.55	
<i>For 250 LB Rating, Add</i>	175.92	
<i>For 300 LB Rating, Add</i>	215.01	
<i>For Chain Operated Type, Add</i>	326.43	
<i>For Work In Restricted Working Space, Add</i>	40.13	
23 05 23 00-0129 EA 2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	654.51	36.18
<i>For 150 LB Rating, Add</i>	146.90	
<i>For 200 LB Rating, Add</i>	180.07	
<i>For 250 LB Rating, Add</i>	213.24	
<i>For 300 LB Rating, Add</i>	260.62	
<i>For Chain Operated Type, Add</i>	395.67	
<i>For Work In Restricted Working Space, Add</i>	54.20	
23 05 23 00-0130 EA 3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	777.07	42.00
<i>For 150 LB Rating, Add</i>	176.28	
<i>For 200 LB Rating, Add</i>	216.08	
<i>For 250 LB Rating, Add</i>	255.88	
<i>For 300 LB Rating, Add</i>	312.75	
<i>For Chain Operated Type, Add</i>	474.81	
<i>For Work In Restricted Working Space, Add</i>	62.53	
23 05 23 00-0131 EA 4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	995.21	47.42
<i>For 150 LB Rating, Add</i>	235.03	
<i>For 200 LB Rating, Add</i>	288.10	
<i>For 250 LB Rating, Add</i>	341.18	
<i>For 300 LB Rating, Add</i>	416.99	
<i>For Chain Operated Type, Add</i>	633.07	
<i>For Work In Restricted Working Space, Add</i>	71.11	
23 05 23 00-0132 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves <small>(23 05 23 00-0114)</small>		
23 05 23 00-0133 EA 2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	462.51	196.17
<i>For 150 LB Rating, Add</i>	67.34	
<i>For 250 LB Rating, Add</i>	97.76	
<i>For Chain Operated Type, Add</i>	108.62	
<i>For Work In Restricted Working Space, Add</i>	73.58	
23 05 23 00-0134 EA 2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	511.17	196.45
<i>For 150 LB Rating, Add</i>	82.10	
<i>For 250 LB Rating, Add</i>	119.17	
<i>For Chain Operated Type, Add</i>	132.42	
<i>For Work In Restricted Working Space, Add</i>	73.90	
23 05 23 00-0135 EA 3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	606.06	230.33
<i>For 150 LB Rating, Add</i>	98.51	
<i>For 250 LB Rating, Add</i>	143.01	
<i>For Chain Operated Type, Add</i>	158.90	
<i>For Work In Restricted Working Space, Add</i>	86.48	
23 05 23 00-0136 EA 4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	907.61	386.13
<i>For 150 LB Rating, Add</i>	131.35	
<i>For 250 LB Rating, Add</i>	190.67	
<i>For Chain Operated Type, Add</i>	211.86	
<i>For Work In Restricted Working Space, Add</i>	145.17	
23 05 23 00-0137 EA 5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,080.53	393.64
<i>For 150 LB Rating, Add</i>	182.66	
<i>For 250 LB Rating, Add</i>	265.16	
<i>For Chain Operated Type, Add</i>	294.62	
<i>For Work In Restricted Working Space, Add</i>	147.39	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0138 EA 6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,293.51	437.38
For 150 LB Rating, Add	230.90	
For 250 LB Rating, Add	335.17	
For Chain Operated Type, Add	372.42	
For Work In Restricted Working Space, Add	164.60	
23 05 23 00-0139 EA 8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,839.63	558.87
For 150 LB Rating, Add	355.07	
For 250 LB Rating, Add	515.42	
For Chain Operated Type, Add	572.69	
For Work In Restricted Working Space, Add	208.28	
23 05 23 00-0140 EA 10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	2,595.00	680.37
For 150 LB Rating, Add	540.81	
For 250 LB Rating, Add	785.05	
For Chain Operated Type, Add	872.28	
For Work In Restricted Working Space, Add	255.14	
23 05 23 00-0141 EA 12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	4,332.01	826.15
For 150 LB Rating, Add	1,023.36	
For 250 LB Rating, Add	1,485.52	
For Chain Operated Type, Add	1,650.58	
For Work In Restricted Working Space, Add	309.26	
23 05 23 00-0142 Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves (23 05 23 00-0114)		
23 05 23 00-0143 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	74.04	14.72
For 150 LB Rating, Add	8.23	
For 200 LB Rating, Add	10.09	
For 300 LB Rating, Add	14.61	
For Work In Restricted Working Space, Add	14.24	
23 05 23 00-0144 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	69.41	14.72
For 150 LB Rating, Add	8.23	
For 200 LB Rating, Add	10.09	
For 300 LB Rating, Add	14.61	
For Work In Restricted Working Space, Add	12.86	
23 05 23 00-0145 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	71.66	14.72
For 150 LB Rating, Add	8.23	
For 200 LB Rating, Add	10.09	
For 300 LB Rating, Add	14.61	
For Work In Restricted Working Space, Add	13.53	
23 05 23 00-0146 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	75.81	14.72
For 150 LB Rating, Add	8.78	
For 200 LB Rating, Add	10.77	
For 300 LB Rating, Add	15.58	
For Work In Restricted Working Space, Add	14.24	
23 05 23 00-0147 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	103.27	15.45
For 150 LB Rating, Add	12.18	
For 200 LB Rating, Add	14.93	
For 300 LB Rating, Add	21.61	
For Work In Restricted Working Space, Add	19.19	
23 05 23 00-0148 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	129.01	15.45
For 150 LB Rating, Add	15.98	
For 200 LB Rating, Add	19.59	
For 300 LB Rating, Add	28.35	
For Work In Restricted Working Space, Add	23.24	
23 05 23 00-0149 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	174.69	19.58
For 150 LB Rating, Add	23.74	
For 200 LB Rating, Add	29.10	
For 300 LB Rating, Add	42.12	
For Work In Restricted Working Space, Add	29.43	
23 05 23 00-0150 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	202.49	22.66
For 150 LB Rating, Add	27.68	
For 200 LB Rating, Add	33.93	
For 300 LB Rating, Add	49.11	
For Work In Restricted Working Space, Add	33.96	
23 05 23 00-0151 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	268.27	26.78
For 150 LB Rating, Add	41.69	
For 200 LB Rating, Add	51.11	
For 300 LB Rating, Add	73.97	
For Work In Restricted Working Space, Add	40.13	
23 05 23 00-0152 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	438.81	39.29
For 150 LB Rating, Add	75.20	
For 200 LB Rating, Add	92.18	
For 300 LB Rating, Add	133.42	
For Work In Restricted Working Space, Add	58.87	
23 05 23 00-0153 EA 3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	637.23	45.62
For 150 LB Rating, Add	127.36	
For 200 LB Rating, Add	156.12	
For 300 LB Rating, Add	225.96	
For Work In Restricted Working Space, Add	67.92	
23 05 23 00-0154 Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0114)		
23 05 23 00-0155 EA 2" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	804.19	196.17
For 250 LB Rating, Add	335.35	
For Chain Operated Type, Add	217.98	
For Work In Restricted Working Space, Add	73.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0156 EA 2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	907.36 396.61 257.80 73.90	196.45
23 05 23 00-0157 EA 3" Flanged, 125 LB, Iron Body, Angle Globe Valve <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,067.24 467.38 303.80 86.48	230.33
23 05 23 00-0158 EA 4" Flanged, 125 LB, Iron Body, Angle Globe Valve <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,596.48 667.55 433.91 145.17	386.13
23 05 23 00-0159 EA 5" Flanged, 125 LB, Iron Body, Angle Globe Valve <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,485.25 1,196.38 777.64 147.39	393.64
23 05 23 00-0160 EA 6" Flanged, 125 LB, Iron Body, Angle Globe Valve <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,542.64 1,196.38 777.64 164.60	437.38
23 05 23 00-0161 EA 8" Flanged, 125 LB, Iron Body, Angle Globe Valve <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,596.83 2,341.55 1,522.01 208.28	558.87
23 05 23 00-0162 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0114) Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0163 EA 1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	212.75 12.86	23.84
23 05 23 00-0164 EA 1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	217.38 14.24	23.84
23 05 23 00-0165 EA 3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	257.26 19.19	32.08
23 05 23 00-0166 EA 1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	317.50 23.24	38.70
23 05 23 00-0167 EA 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	509.61 29.43	49.00
23 05 23 00-0168 EA 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	610.43 33.96	56.65
23 05 23 00-0169 EA 2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	774.41 40.13	66.96
23 05 23 00-0170 Triple Duty Valves (23 05 23) Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0171 Straight Pattern, Triple Duty Valves (23 05 23 00-0170) Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0172 EA 1" Threaded, Straight Pattern, Triple Duty Valve	323.27	15.45
23 05 23 00-0173 EA 1-1/4" Threaded, Straight Pattern, Triple Duty Valve	376.35	19.58
23 05 23 00-0174 EA 1-1/2" Threaded, Straight Pattern, Triple Duty Valve	410.06	22.66
23 05 23 00-0175 EA 2" Flanged, Straight Pattern, Triple Duty Valve	1,052.45	196.17
23 05 23 00-0176 EA 2-1/2" Flanged, Straight Pattern, Triple Duty Valve	1,178.77	196.45
23 05 23 00-0177 EA 3" Flanged, Straight Pattern, Triple Duty Valve	1,294.92	230.33
23 05 23 00-0178 EA 4" Flanged, Straight Pattern, Triple Duty Valve	2,627.09	386.13
23 05 23 00-0179 EA 5" Flanged, Straight Pattern Triple Duty Valve	3,019.52	393.64
23 05 23 00-0180 EA 6" Flanged, Straight Pattern, Triple Duty Valve	4,000.07	437.38
23 05 23 00-0181 EA 8" Flanged, Straight Pattern, Triple Duty Valve	5,379.60	558.87
23 05 23 00-0182 EA 10" Flanged, Straight Pattern, Triple Duty Valve	8,588.24	680.37
23 05 23 00-0183 Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0170) Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0184 EA 2" Flanged, Angle Pattern, Triple Duty Valve	1,029.25	196.17
23 05 23 00-0185 EA 2-1/2" Flanged, Angle Pattern, Triple Duty Valve	1,150.94	196.45
23 05 23 00-0186 EA 3" Flanged, Angle Pattern, Triple Duty Valve	1,271.73	230.33
23 05 23 00-0187 EA 4" Flanged, Angle Pattern, Triple Duty Valve	2,566.78	386.13
23 05 23 00-0188 EA 5" Flanged, Angle Pattern, Triple Duty Valve	2,945.30	393.64
23 05 23 00-0189 EA 6" Flanged, Angle Pattern, Triple Duty Valve	3,304.22	437.38
23 05 23 00-0190 EA 8" Flanged, Angle Pattern, Triple Duty Valve	5,050.23	558.87
23 05 23 00-0191 EA 10" Flanged, Angle Pattern, Triple Duty Valve	6,737.29	680.37
23 05 23 00-0192 Balanced, Straight Pattern, Triple Duty Valves (23 05 23 00-0170) Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0193 EA 3" Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,192.87	230.33
23 05 23 00-0194 EA 4" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,358.03	386.13
23 05 23 00-0195 EA 5" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,708.71	393.64
23 05 23 00-0196 EA 6" Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,577.92	437.38
23 05 23 00-0197 EA 8" Flanged, Balanced, Straight Pattern, Triple Duty Valve	4,804.37	558.87
23 05 23 00-0198 EA 10" Flanged, Balanced, Straight Pattern, Triple Duty Valve	7,627.97	680.37

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0199 EA 12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	11,440.95	826.15
23 05 23 00-0200 EA 14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	13,899.59	971.94
23 05 23 00-0201 EA 16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	17,383.52	1,069.15
23 05 23 00-0202 Grooved Straight Pattern, Triple Duty Valves (23 05 23 00-0170)		
Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0203 EA 2" Grooved, Straight Pattern, Triple Duty Valve.....	1,074.28	36.35
23 05 23 00-0204 EA 2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	1,280.85	43.36
23 05 23 00-0205 EA 3" Grooved, Straight Pattern, Triple Duty Valve.....	1,489.98	47.01
23 05 23 00-0206 EA 4" Grooved, Straight Pattern, Triple Duty Valve.....	2,465.61	50.67
23 05 23 00-0207 EA 5" Grooved, Straight Pattern, Triple Duty Valve.....	2,852.52	61.96
23 05 23 00-0208 EA 6" Grooved, Straight Pattern Triple Duty Valve.....	3,802.39	79.46
23 05 23 00-0209 EA 8" Grooved, Straight Pattern Triple Duty Valve.....	5,170.00	100.84
23 05 23 00-0210 EA 10" Grooved, Straight Pattern Triple Duty Valve.....	8,149.10	112.99
23 05 23 00-0211 EA 12" Grooved, Straight Pattern Triple Duty Valve.....	12,929.85	137.77
23 05 23 00-0212 Plug Valves (23 05 23)		
23 05 23 00-0213 Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0212)		
Note: Includes wrench.		
23 05 23 00-0214 EA 1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	295.99	14.72
23 05 23 00-0215 EA 3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	312.49	16.19
23 05 23 00-0216 EA 1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	394.44	18.40
23 05 23 00-0217 EA 1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	473.41	19.58
23 05 23 00-0218 EA 1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	521.47	22.66
23 05 23 00-0219 EA 2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	615.59	26.78
23 05 23 00-0220 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	918.58	36.18
23 05 23 00-0221 EA 3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	1,121.34	42.00
23 05 23 00-0222 Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0212)		
Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0223 EA 2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	477.26	196.17
23 05 23 00-0224 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	551.92	196.45
23 05 23 00-0225 EA 3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	672.25	230.33
23 05 23 00-0226 EA 4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,003.86	386.13
23 05 23 00-0227 EA 6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,935.79	437.38
23 05 23 00-0228 EA 8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	3,193.29	558.87
23 05 23 00-0229 EA 10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	5,014.99	680.37
23 05 23 00-0230 EA 12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	7,352.05	826.15
23 05 23 00-0231 Plug Valves, Forged Steel, Screwed (23 05 23 00-0212)		
23 05 23 00-0232 EA 1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,110.45	14.72
23 05 23 00-0233 EA 3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,313.72	16.19
23 05 23 00-0234 EA 1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,486.30	18.40
23 05 23 00-0235 EA 1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,784.41	19.58
23 05 23 00-0236 EA 1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,077.74	22.66
23 05 23 00-0237 EA 2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,730.11	26.78
23 05 23 00-0238 Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0212)		
23 05 23 00-0239 EA 4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,242.45	386.13
23 05 23 00-0240 EA 6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,849.42	437.38
23 05 23 00-0241 EA 8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,507.35	558.87
23 05 23 00-0242 EA 10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	3,534.03	680.37
23 05 23 00-0243 EA 12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	4,552.56	826.15
23 05 23 00-0244 Foot Valves (23 05 23)		
23 05 23 00-0245 Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0244)		
23 05 23 00-0246 EA 1" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	110.37	36.80
23 05 23 00-0247 EA 1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	125.11	41.21
23 05 23 00-0248 EA 1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	157.56	47.11
23 05 23 00-0249 EA 2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	203.82	52.99
23 05 23 00-0250 EA 2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	450.14	86.85
23 05 23 00-0251 EA 3" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	573.09	105.99
23 05 23 00-0252 Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0244)		
23 05 23 00-0253 EA 1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	110.37	36.80
23 05 23 00-0254 EA 1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	219.60	41.21
23 05 23 00-0255 EA 1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	212.07	47.11
23 05 23 00-0256 EA 2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	283.74	52.99
23 05 23 00-0257 EA 3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	549.21	86.85
23 05 23 00-0258 EA 4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	741.20	104.52



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0259		Float Valves (23 05 23)		
23 05 23 00-0260		Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0260)		
23 05 23 00-0261		Single Seat, Bronze Construction (23 05 23 00-0260)		
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0262	EA	Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	232.62	30.91
23 05 23 00-0263	EA	Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	267.25	36.79
23 05 23 00-0264	EA	Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	342.93	39.73
23 05 23 00-0265	EA	Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve.....	565.32	50.04
23 05 23 00-0266	EA	Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve.....	580.03	57.39
23 05 23 00-0267		Double Seat, Bronze Construction (23 05 23 00-0260)		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0268	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	1,189.01	30.91
23 05 23 00-0269	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	1,200.79	36.79
23 05 23 00-0270	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	1,384.53	39.73
23 05 23 00-0271	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve.....	1,533.23	50.04
23 05 23 00-0272	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve.....	1,752.89	57.39
23 05 23 00-0273	EA	Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	2,296.11	67.69
23 05 23 00-0274	EA	Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve.....	2,675.43	90.77
23 05 23 00-0275	EA	Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	3,216.25	104.32
23 05 23 00-0276		Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0259)		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0277		Brass Body Threaded Ends (23 05 23 00-0276)		
23 05 23 00-0278	EA	1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	256.66	39.88
23 05 23 00-0279	EA	3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	289.69	44.30
23 05 23 00-0280	EA	1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	354.88	49.00
23 05 23 00-0281	EA	1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	567.79	79.18
23 05 23 00-0282	EA	1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	599.57	90.21
23 05 23 00-0283	EA	2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	681.85	111.84
23 05 23 00-0284		Cast Iron Body Flanged (23 05 23 00-0276)		
23 05 23 00-0285	EA	2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	7,449.69	196.45
23 05 23 00-0286	EA	3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	9,005.70	230.33
23 05 23 00-0287		Float Operated Valves (23 05 23 00-0259)		
23 05 23 00-0288		For Condensate Receivers Tanks And Vessels (23 05 23 00-0287)		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0289	EA	1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	855.93	69.16
23 05 23 00-0290		For Condensate Receivers Tanks And Vessels (23 05 23 00-0287)		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0291	EA	3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	1,095.79	128.71
23 05 23 00-0292		Needle Valves (23 05 23)		
23 05 23 00-0293		Bronze Needle Valve (23 05 23 00-0292)		
		Note: For heating and cooling applications.		
23 05 23 00-0294	EA	1/4" Needle Valve, Bronze.....	123.60	14.72
23 05 23 00-0295	EA	3/8" Needle Valve, Bronze.....	137.22	14.72
23 05 23 00-0296	EA	1/2" Needle Valve, Bronze.....	149.70	14.72
23 05 23 00-0297	EA	3/4" Needle Valve, Bronze.....	225.43	16.19
23 05 23 00-0298	EA	1" Needle Valve, Bronze.....	340.82	18.40
23 05 23 00-0299		Eccentric Valves With Taps (23 05 23)		
23 05 23 00-0300		Screwed Eccentric Valves With Taps (23 05 23 00-0299)		
23 05 23 00-0301	EA	1/2" Diameter Eccentric Valves With Taps, Screwed.....	261.64	14.72
23 05 23 00-0302	EA	3/4" Diameter Eccentric Valves With Taps, Screwed.....	281.43	16.19
23 05 23 00-0303	EA	1" Diameter Eccentric Valves With Taps, Screwed.....	354.22	18.40
23 05 23 00-0304	EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed.....	430.88	19.58
23 05 23 00-0305	EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed.....	472.32	22.66
23 05 23 00-0306	EA	2" Diameter Eccentric Valves With Taps, Screwed.....	555.50	26.78
23 05 23 00-0307	EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed.....	833.00	36.18
23 05 23 00-0308	EA	3" Diameter Eccentric Valves With Taps, Screwed.....	1,009.06	42.00
23 05 23 00-0309		Flanged Eccentric Valves With Taps (23 05 23 00-0299)		
23 05 23 00-0310	EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged.....	1,020.60	196.45
23 05 23 00-0311	EA	3" Diameter Eccentric Valves With Taps, Flanged.....	1,210.79	230.33
23 05 23 00-0312	EA	4" Diameter Eccentric Valves With Taps, Flanged.....	1,653.52	386.13

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0313	EA		5" Diameter Eccentric Valves With Taps, Flanged.....	2,138.65	393.64
23 05 23 00-0314	EA		6" Diameter Eccentric Valves With Taps, Flanged.....	2,690.25	437.38
23 05 23 00-0315	EA		8" Diameter Eccentric Valves With Taps, Flanged.....	4,565.55	558.87
23 05 23 00-0316	EA		10" Diameter Eccentric Valves With Taps, Flanged.....	6,369.11	680.37
23 05 23 00-0317	EA		12" Diameter Eccentric Valves With Taps, Flanged.....	10,832.64	826.15
23 05 23 00-0318			Check Valves <small>(23 05 23)</small>		
23 05 23 00-0319			Iron Body Wafer Type Check Valve <small>(23 05 23 00-0318)</small>		
23 05 23 00-0320			Single Disk Type <small>(23 05 23 00-0319)</small>		
23 05 23 00-0321	EA		2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	515.97	196.23
			<i>For 150 LB Rating, Add</i>	56.83	
			<i>For 200 LB Rating, Add</i>	67.66	
			<i>For 300 LB Rating, Add</i>	81.19	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	170.85	
23 05 23 00-0322	EA		2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	601.00	196.54
			<i>For 150 LB Rating, Add</i>	74.46	
			<i>For 200 LB Rating, Add</i>	88.64	
			<i>For 300 LB Rating, Add</i>	106.37	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	208.84	
23 05 23 00-0323	EA		3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	736.55	230.43
			<i>For 150 LB Rating, Add</i>	94.11	
			<i>For 200 LB Rating, Add</i>	112.04	
			<i>For 300 LB Rating, Add</i>	134.45	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	259.35	
23 05 23 00-0324	EA		4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,091.10	386.30
			<i>For 150 LB Rating, Add</i>	127.47	
			<i>For 200 LB Rating, Add</i>	151.75	
			<i>For 300 LB Rating, Add</i>	182.10	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	369.97	
23 05 23 00-0325	EA		6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,628.50	542.19
			<i>For 150 LB Rating, Add</i>	199.66	
			<i>For 200 LB Rating, Add</i>	237.70	
			<i>For 300 LB Rating, Add</i>	285.23	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	563.40	
23 05 23 00-0326	EA		8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	2,235.65	623.51
			<i>For 150 LB Rating, Add</i>	306.41	
			<i>For 200 LB Rating, Add</i>	364.77	
			<i>For 300 LB Rating, Add</i>	437.72	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	811.90	
23 05 23 00-0327	EA		10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	3,286.21	759.06
			<i>For 150 LB Rating, Add</i>	489.39	
			<i>For 200 LB Rating, Add</i>	582.61	
			<i>For 300 LB Rating, Add</i>	699.13	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,239.85	
23 05 23 00-0328			Twin Disc Type <small>(23 05 23 00-0319)</small>		
23 05 23 00-0329	EA		2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	676.16	196.23
			<i>For 150 LB Rating, Add</i>	90.47	
			<i>For 200 LB Rating, Add</i>	107.70	
			<i>For 300 LB Rating, Add</i>	129.24	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	242.93	
23 05 23 00-0330	EA		2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	763.47	196.54
			<i>For 150 LB Rating, Add</i>	108.58	
			<i>For 200 LB Rating, Add</i>	129.26	
			<i>For 300 LB Rating, Add</i>	155.11	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	281.95	
23 05 23 00-0331	EA		3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	891.63	230.43
			<i>For 150 LB Rating, Add</i>	126.68	
			<i>For 200 LB Rating, Add</i>	150.81	
			<i>For 300 LB Rating, Add</i>	180.97	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	329.14	
23 05 23 00-0332	EA		4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,250.17	386.30
			<i>For 150 LB Rating, Add</i>	160.87	
			<i>For 200 LB Rating, Add</i>	191.52	
			<i>For 300 LB Rating, Add</i>	229.82	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	441.55	
23 05 23 00-0333	EA		6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,913.05	542.19
			<i>For 150 LB Rating, Add</i>	259.42	
			<i>For 200 LB Rating, Add</i>	308.83	
			<i>For 300 LB Rating, Add</i>	370.60	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	691.44	
23 05 23 00-0334	EA		8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	2,661.09	623.51
			<i>For 150 LB Rating, Add</i>	396.18	
			<i>For 200 LB Rating, Add</i>	471.64	
			<i>For 300 LB Rating, Add</i>	565.97	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,003.86	
23 05 23 00-0335	EA		10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	3,936.93	745.50
			<i>For 150 LB Rating, Add</i>	627.42	
			<i>For 200 LB Rating, Add</i>	746.93	
			<i>For 300 LB Rating, Add</i>	896.32	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,534.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0336 EA 12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	5,151.60 840.61 1,000.73 1,200.87 2,031.05	921.71
23 05 23 00-0337 EA 14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	9,533.73 1,709.35 2,034.94 2,441.93 3,941.68	1,045.49
23 05 23 00-0338 EA 16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	13,024.81 2,413.20 2,872.86 3,447.43 5,477.82	1,226.71
23 05 23 00-0339 EA 18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	17,306.19 3,276.51 3,900.61 4,680.73 7,361.85	1,366.11
23 05 23 00-0340 EA 20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	20,575.29 3,918.30 4,664.64 5,597.57 8,779.70	1,533.38
23 05 23 00-0341 EA 24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	26,875.77 5,148.51 6,129.18 7,355.02 11,504.33	1,881.87

23 05 23 00-0342 Lift Check Valves (23 05 23 00-0318)

23 05 23 00-0343 Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0342)

Note: Watts #600 series.

23 05 23 00-0344 EA 3/8" Lift Check Valve, Bronze, Threaded	127.41	14.72
23 05 23 00-0345 EA 1/2" Lift Check Valve, Bronze, Threaded	134.77	14.72
23 05 23 00-0346 EA 3/4" Lift Check Valve, Bronze, Threaded	172.69	15.45
23 05 23 00-0347 EA 1" Lift Check Valve, Bronze, Threaded	225.82	15.45
23 05 23 00-0348 EA 1-1/4" Lift Check Valve, Bronze, Threaded	310.77	19.58
23 05 23 00-0349 EA 1-1/2" Lift Check Valve, Bronze, Threaded	376.52	22.66
23 05 23 00-0350 EA 2" Lift Check Valve, Bronze, Threaded	529.69	26.78

23 05 23 00-0351 Bronze Body, Threaded, 300 LB, Lift Check Valves (23 05 23 00-0342)

Note: Crane 366E.

23 05 23 00-0352 EA 1/2" Lift Check Valve, Bronze, Threaded, 300 LB	731.14	14.72
23 05 23 00-0353 EA 3/4" Lift Check Valve, Bronze, Threaded, 300 LB	889.68	15.45
23 05 23 00-0354 EA 1" Lift Check Valve, Bronze, Threaded, 300 LB	1,586.85	15.45
23 05 23 00-0355 EA 1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB	2,113.58	19.58
23 05 23 00-0356 EA 1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB	2,297.39	22.66
23 05 23 00-0357 EA 2" Lift Check Valve, Bronze, Threaded, 300 LB	2,948.31	26.78

23 05 23 00-0358 Iron Body, Flanged, 125 LB Vertical Lift Check Valves (23 05 23 00-0342)

Note: Mueller 105MAP.

23 05 23 00-0359 EA 2" Lift Check Valve, Iron Body, Flanged, 125 LB	1,111.91	196.17
23 05 23 00-0360 EA 2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB	1,049.11	196.45
23 05 23 00-0361 EA 3" Lift Check Valve, Iron Body, Flanged, 125 LB	1,153.84	230.33
23 05 23 00-0362 EA 4" Lift Check Valve, Iron Body, Flanged, 125 LB	1,647.08	386.13
23 05 23 00-0363 EA 5" Lift Check Valve, Iron Body, Flanged, 125 LB	1,987.60	393.64
23 05 23 00-0364 EA 6" Lift Check Valve, Iron Body, Flanged, 125 LB	2,423.17	437.38
23 05 23 00-0365 EA 8" Lift Check Valve, Iron Body, Flanged, 125 LB	4,125.12	558.87
23 05 23 00-0366 EA 10" Lift Check Valve, Iron Body, Flanged, 125 LB	5,170.09	680.37
23 05 23 00-0367 EA 12" Lift Check Valve, Iron Body, Flanged, 125 LB	8,217.52	826.15
23 05 23 00-0368 EA 14" Lift Check Valve, Iron Body, Flanged, 125 LB	11,169.59	1,102.43
23 05 23 00-0369 EA 16" Lift Check Valve, Iron Body, Flanged, 125 LB	12,372.29	1,212.67

23 05 23 00-0370 Bronze Body Swing Check Valves (23 05 23 00-0318)

23 05 23 00-0371 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0370)

23 05 23 00-0372 EA 1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	90.69	14.72
<i>For 300 LB Rating, Add</i>	16.85	
<i>For Work In Restricted Working Space, Add</i>	14.24	
23 05 23 00-0373 EA 1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	86.06	14.72
<i>For 300 LB Rating, Add</i>	16.85	
<i>For Work In Restricted Working Space, Add</i>	12.86	
23 05 23 00-0374 EA 3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	88.31	14.72
<i>For 300 LB Rating, Add</i>	16.85	
<i>For Work In Restricted Working Space, Add</i>	13.53	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0375	EA		1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.38 17.51 14.24	14.72
23 05 23 00-0376	EA		3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.38 21.22 19.19	15.45
23 05 23 00-0377	EA		1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.34 28.81 23.24	15.45
23 05 23 00-0378	EA		1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.81 40.44 29.43	19.58
23 05 23 00-0379	EA		1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	258.42 56.64 33.96	22.66
23 05 23 00-0380	EA		2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	320.48 72.81 40.13	26.78
23 05 23 00-0381	EA		2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	609.85 167.39 54.20	36.18
23 05 23 00-0382	EA		3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	818.86 238.06 62.53	42.00
23 05 23 00-0383	EA		4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	927.86 269.40 71.13	47.42
23 05 23 00-0384			125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <small>(23 05 23 00-0318)</small>		
23 05 23 00-0385	EA		1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	367.69 155.62 297.52 41.65	110.37
23 05 23 00-0386	EA		1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	412.10 171.46 327.78 47.99	128.76
23 05 23 00-0387	EA		1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	467.10 185.96 355.51 58.09	154.52
23 05 23 00-0388	EA		2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	584.92 230.96 441.55 73.58	196.17
23 05 23 00-0389	EA		2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	642.73 269.55 515.31 73.90	196.45
23 05 23 00-0390	EA		3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	719.03 292.92 559.99 86.48	230.33
23 05 23 00-0391	EA		4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,149.60 452.68 865.42 145.17	386.13
23 05 23 00-0392	EA		5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,468.68 664.63 1,270.61 147.39	393.64
23 05 23 00-0393	EA		6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,681.92 770.60 1,473.21 164.60	437.38
23 05 23 00-0394	EA		8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,523.53 1,923.91 3,678.06 208.28	558.87
23 05 23 00-0395	EA		10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,701.71 2,618.86 5,006.64 255.14	680.37
23 05 23 00-0396	EA		12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,036.70 4,083.98 7,807.61 309.26	826.15
23 05 23 00-0397	EA		14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,177.48 4,623.63 8,839.29 413.41	1,102.43
23 05 23 00-0398	EA		16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	11,419.19 6,734.28 12,874.36 454.75	1,212.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0399 EA 18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	17,246.49 10,584.39 20,234.86 504.36	1,344.97
23 05 23 00-0400 EA 20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	23,559.07 14,731.70 28,163.54 568.44	1,515.84
23 05 23 00-0401 EA 24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	32,654.04 20,623.45 39,427.18 697.63	1,860.35
23 05 23 00-0402 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves (23 05 23 00-0318) Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0403 EA 1/2" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	197.12 14.24	14.72
23 05 23 00-0404 EA 3/4" 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	233.88 19.19	16.19
23 05 23 00-0405 EA 1" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	276.98 23.24	18.40
23 05 23 00-0406 EA 1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	424.40 29.43	19.58
23 05 23 00-0407 EA 1-1/2" 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	502.88 33.96	22.66
23 05 23 00-0408 EA 2" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	676.21 40.13	26.78
23 05 23 00-0409 Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections (23 05 23 00-0318)		
23 05 23 00-0410 EA 1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	78.69 14.24	14.72
23 05 23 00-0411 EA 3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	95.19 19.19	16.19
23 05 23 00-0412 EA 1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	109.90 23.24	18.40
23 05 23 00-0413 EA 1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	131.89 29.43	19.58
23 05 23 00-0414 EA 1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	148.94 33.96	22.66
23 05 23 00-0415 EA 2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	189.34 40.13	26.78
23 05 23 00-0416 EA 2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	259.76 54.20	36.18
23 05 23 00-0417 EA 3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	311.09 62.53	42.00
23 05 23 00-0418 Diaphragm Valves (23 05 23)		
23 05 23 00-0419 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0418)		
23 05 23 00-0420 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	295.72	44.03
23 05 23 00-0421 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	376.32	48.77
23 05 23 00-0422 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	410.72	60.29
23 05 23 00-0423 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	650.11	90.10
23 05 23 00-0424 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,033.44	108.39
23 05 23 00-0425 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0418)		
23 05 23 00-0426 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	262.66	70.64
23 05 23 00-0427 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	302.29	73.58
23 05 23 00-0428 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	365.06	110.37
23 05 23 00-0429 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	545.53	154.52
23 05 23 00-0430 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	841.36	196.17
23 05 23 00-0431 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,046.23	196.45

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0432 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,291.92	230.33
23 05 23 00-0433 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,861.67	386.13
23 05 23 00-0434 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,635.40	437.38
23 05 23 00-0435 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	5,589.04	558.87
23 05 23 00-0436 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0418)		
23 05 23 00-0437 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	187.59	44.03
23 05 23 00-0438 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	242.56	48.77
23 05 23 00-0439 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	276.96	60.29
23 05 23 00-0440 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	467.97	90.10
23 05 23 00-0441 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	609.41	108.39
23 05 23 00-0442 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0418)		
23 05 23 00-0443 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	187.05	70.64
23 05 23 00-0444 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	217.92	73.58
23 05 23 00-0445 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	280.68	110.37
23 05 23 00-0446 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	430.63	154.52
23 05 23 00-0447 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	573.83	196.17
23 05 23 00-0448 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	674.71	196.45
23 05 23 00-0449 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	816.13	230.33
23 05 23 00-0450 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,300.82	386.13
23 05 23 00-0451 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,378.91	437.38
23 05 23 00-0452 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	3,596.12	558.87
23 05 23 00-0453 125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0418)		
23 05 23 00-0454 EA 1" Diaphragm Valve, Cast Iron, 125 LB, Flanged	339.64	110.37
23 05 23 00-0455 EA 1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	536.19	154.52
23 05 23 00-0456 EA 2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	714.81	196.17
23 05 23 00-0457 EA 2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	978.69	196.45
23 05 23 00-0458 EA 3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,088.54	230.33
23 05 23 00-0459 EA 4" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,721.21	386.13
23 05 23 00-0460 EA 6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	3,235.93	437.38
23 05 23 00-0461 EA 8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	6,547.11	558.87
23 05 23 00-0462 Solenoid Valves (23 05 23)		
23 05 23 00-0463 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure (23 05 23 00-0462)		
23 05 23 00-0464 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Water	131.13	14.72
23 05 23 00-0465 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Water	151.57	14.72
23 05 23 00-0466 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Water	194.88	16.19
23 05 23 00-0467 EA 1" Solenoid Valve, Bronze, 150 PSI, Water	282.48	18.40
23 05 23 00-0468 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	491.70	22.66
23 05 23 00-0469 EA 2" Solenoid Valve, Bronze, 150 PSI, Water	757.82	26.78
23 05 23 00-0470 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	1,031.73	36.18
23 05 23 00-0471 EA 3" Solenoid Valve, Bronze, 150 PSI, Water	1,481.78	42.00
23 05 23 00-0472 Flow Control Valves And Meters (23 05 23)		
23 05 23 00-0473 Conditioned Water Balancing Valves (23 05 23 00-0472)		
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0474 EA 1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	178.74	75.08
23 05 23 00-0475 EA 3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	217.80	100.10
23 05 23 00-0476 EA 1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,340.49	114.38
23 05 23 00-0477 EA 1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,447.86	141.32
23 05 23 00-0478 EA 1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,549.97	150.16



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 23 00-0479	EA 2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,660.79	171.65
	23 05 23 00-0480	EA 2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,949.15	298.74
	23 05 23 00-0481	EA 3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,857.01	341.44
	23 05 23 00-0482	EA 3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,594.42	230.43
	23 05 23 00-0483	EA 4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,261.06	386.30
	23 05 23 00-0484	EA 6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,445.03	487.96
	23 05 23 00-0485	EA 8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,618.57	623.51
	23 05 23 00-0486	EA 10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	6,506.22	759.06
	23 05 23 00-0487	Read Out Meters <small>(23 05 23 00-0472)</small>		
		Note: For use with conditioned portable water balancing valves.		
	23 05 23 00-0488	EA 0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,159.67	
	23 05 23 00-0489	EA 0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,569.37	
	23 05 23 00-0490	EA 0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,569.37	
	23 05 23 00-0491	EA 0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,569.37	
	23 05 23 00-0492	Balancing Valves <small>(23 05 23)</small>		
	23 05 23 00-0493	Balancing Valves With Lever <small>(23 05 23 00-0492)</small>		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
	23 05 23 00-0494	EA 1/2" Threaded Balancing Valve With Lever	241.75	46.37
	23 05 23 00-0495	EA 3/4" Threaded Balancing Valve With Lever	276.26	61.09
	23 05 23 00-0496	EA 1" Threaded Balancing Valve With Lever	666.52	69.92
	23 05 23 00-0497	EA 1-1/4" Threaded Balancing Valve With Lever	733.12	86.85
	23 05 23 00-0498	EA 1-1/2" Threaded Balancing Valve With Lever	781.01	92.00
	23 05 23 00-0499	EA 2" Threaded Balancing Valve With Lever	1,034.33	105.25
	23 05 23 00-0500	EA 2-1/2" Flanged Balancing Valve With Lever	1,376.54	196.54
	23 05 23 00-0501	EA 3" Flanged Balancing Valve With Lever	1,351.22	230.43
	23 05 23 00-0502	EA 4" Flanged Balancing Valve With Lever	1,701.65	386.30
	23 05 23 00-0503	EA 5" Flanged Balancing Valve With Lever	2,468.61	439.17
	23 05 23 00-0504	EA 6" Flanged Balancing Valve With Lever	2,554.50	487.96
	23 05 23 00-0505	EA 8" Flanged Balancing Valve With Lever	3,409.76	623.51
	23 05 23 00-0506	Balancing Valves With Nut <small>(23 05 23 00-0492)</small>		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
	23 05 23 00-0507	EA 4" Flanged Balancing Valve With Nut	1,636.06	386.30
	23 05 23 00-0508	EA 5" Flanged Balancing Valve With Nut	2,419.84	439.17
	23 05 23 00-0509	EA 6" Flanged Balancing Valve With Nut	2,483.87	487.96
	23 05 23 00-0510	EA 8" Flanged Balancing Valve With Nut	3,325.68	623.51
	23 05 23 00-0511	Balancing Valves With Hand Wheel <small>(23 05 23 00-0492)</small>		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
	23 05 23 00-0512	EA 4" Flanged Balancing Valve With Hand Wheel	2,268.38	386.30
	23 05 23 00-0513	EA 5" Flanged Balancing Valve With Hand Wheel	3,089.16	439.17
	23 05 23 00-0514	EA 6" Flanged Balancing Valve With Hand Wheel	3,153.19	487.96
	23 05 23 00-0515	EA 8" Flanged Balancing Valve With Hand Wheel	4,516.32	623.51
	23 05 23 00-0516	EA 10" Flanged Balancing Valve With Hand Wheel	6,928.95	759.06
	23 05 23 00-0517	EA 12" Flanged Balancing Valve With Hand Wheel	9,048.10	591.47
	23 05 23 00-0518	EA 14" Flanged Balancing Valve With Hand Wheel	11,758.30	1,115.18
	23 05 23 00-0519	Balancing Valves With Chain Wheel <small>(23 05 23 00-0492)</small>		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
	23 05 23 00-0520	EA 4" Flanged Balancing Valve With Chain Wheel	2,624.90	386.30
	23 05 23 00-0521	EA 5" Flanged Balancing Valve With Chain Wheel	3,444.00	439.17
	23 05 23 00-0522	EA 6" Flanged Balancing Valve With Chain Wheel	3,508.03	487.96
	23 05 23 00-0523	EA 8" Flanged Balancing Valve With Chain Wheel	4,943.47	623.51
	23 05 23 00-0524	EA 10" Flanged Balancing Valve With Chain Wheel	7,347.69	759.06
	23 05 23 00-0525	EA 12" Flanged Balancing Valve With Chain Wheel	9,827.10	591.05
	23 05 23 00-0526	EA 14" Flanged Balancing Valve With Chain Wheel	12,432.66	1,115.18
	23 05 23 00-0527	Calibrated Balancing Valves <small>(23 05 23 00-0492)</small>		
		Note: Bell & Gossett CB Series.		
	23 05 23 00-0528	EA 1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	139.33	14.72
	23 05 23 00-0529	EA 3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	165.02	16.19
	23 05 23 00-0530	EA 1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	201.45	18.40
	23 05 23 00-0531	EA 1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S)	270.34	19.58
	23 05 23 00-0532	EA 1" Threaded Calibrated Balancing Valve (CB-1)	214.08	18.40
	23 05 23 00-0533	EA 1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	292.15	19.58
	23 05 23 00-0534	EA 1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	339.39	22.67
	23 05 23 00-0535	EA 2" Threaded Calibrated Balancing Valve (CB-2)	455.25	26.79
	23 05 23 00-0536	EA 2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	839.09	39.30
	23 05 23 00-0537	EA 3" Threaded Calibrated Balancing Valve (CB-3)	1,173.47	45.63

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0538	EA		2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F).....	1,117.14	213.45
23 05 23 00-0539	EA		3" Flanged Calibrated Balancing Valve (CB-3F).....	1,604.66	250.26
23 05 23 00-0540	EA		4" Flanged Calibrated Balancing Valve (CB-4F).....	2,517.46	419.54
23 05 23 00-0541	EA		5" Flanged Calibrated Balancing Valve (CB-5F).....	3,597.21	476.95
23 05 23 00-0542	EA		6" Flanged Calibrated Balancing Valve (CB-6F).....	4,711.40	529.95
23 05 23 00-0543	EA		8" Flanged Calibrated Balancing Valve (CB-8F).....	8,446.47	677.15
23 05 23 00-0544	EA		10" Flanged Calibrated Balancing Valve (CB-10F).....	11,706.55	780.63
23 05 23 00-0545	EA		12" Flanged Calibrated Balancing Valve (CB-12F).....	24,450.14	947.91
23 05 23 00-0546	EA		4" Grooved Calibrated Balancing Valve (CB-4G).....	2,889.07	50.67
23 05 23 00-0547	EA		5" Grooved Calibrated Balancing Valve (CB-5G).....	3,329.61	61.96
23 05 23 00-0548	EA		6" Grooved Calibrated Balancing Valve (CB-6G).....	4,423.94	79.46
23 05 23 00-0549	EA		8" Grooved Calibrated Balancing Valve (CB-8G).....	8,266.78	100.84
23 05 23 00-0550	EA		10" Grooved Calibrated Balancing Valve (CB-10G).....	11,106.40	112.99
23 05 23 00-0551	EA		12" Grooved Calibrated Balancing Valve (CB-12G).....	22,840.37	137.77
23 05 23 00-0552			Butterfly Valves <small>(23 05 23)</small>		
23 05 23 00-0553			Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves <small>(23 05 23 00-0552)</small>		
			Note: With on-off handle		
23 05 23 00-0554	EA		2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	377.36	196.17
			For 200 PSI, Add	63.40	
			For 175 PSI, Add	23.12	
			For Work In Restricted Working Space, Add	73.58	
23 05 23 00-0555	EA		2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	386.11	196.45
			For 200 PSI, Add	67.09	
			For 175 PSI, Add	24.46	
			For Work In Restricted Working Space, Add	73.90	
23 05 23 00-0556	EA		3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	438.79	230.33
			For 200 PSI, Add	72.25	
			For 175 PSI, Add	26.34	
			For Work In Restricted Working Space, Add	86.48	
23 05 23 00-0557	EA		4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	672.81	386.13
			For 200 PSI, Add	90.68	
			For 175 PSI, Add	33.06	
			For Work In Restricted Working Space, Add	145.17	
23 05 23 00-0558	EA		5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	817.46	437.38
			For 200 PSI, Add	129.01	
			For 175 PSI, Add	47.04	
			For Work In Restricted Working Space, Add	164.60	
23 05 23 00-0559	EA		6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	936.14	485.97
			For 200 PSI, Add	157.77	
			For 175 PSI, Add	57.52	
			For Work In Restricted Working Space, Add	182.24	
23 05 23 00-0560	EA		8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,188.81	558.87
			For 200 PSI, Add	237.39	
			For 175 PSI, Add	86.55	
			For Work In Restricted Working Space, Add	208.28	
23 05 23 00-0561	EA		10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,808.85	680.37
			For 200 PSI, Add	460.03	
			For 175 PSI, Add	167.72	
			For Work In Restricted Working Space, Add	255.14	
23 05 23 00-0562	EA		12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	2,251.89	826.15
			For 200 PSI, Add	586.10	
			For 175 PSI, Add	213.68	
			For Work In Restricted Working Space, Add	309.26	
23 05 23 00-0563			Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves <small>(23 05 23 00-0552)</small>		
23 05 23 00-0564	EA		2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	607.74	196.17
			For Work In Restricted Working Space, Add	73.58	
23 05 23 00-0565	EA		2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	611.89	196.45
			For Work In Restricted Working Space, Add	73.90	
23 05 23 00-0566	EA		3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	672.25	230.33
			For Work In Restricted Working Space, Add	86.48	
23 05 23 00-0567	EA		4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	917.01	386.13
			For Work In Restricted Working Space, Add	145.17	
23 05 23 00-0568	EA		5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,087.78	437.38
			For Work In Restricted Working Space, Add	164.60	
23 05 23 00-0569	EA		6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,204.84	485.97
			For Work In Restricted Working Space, Add	182.24	
23 05 23 00-0570	EA		8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,468.35	558.87
			For Work In Restricted Working Space, Add	208.28	
23 05 23 00-0571	EA		10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,850.32	680.37
			For Work In Restricted Working Space, Add	255.14	
23 05 23 00-0572	EA		12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	2,483.82	826.15
			For Work In Restricted Working Space, Add	309.26	
23 05 23 00-0573			Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves <small>(23 05 23 00-0552)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0574 EA 14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	3,971.74	1,033.52
<i>For 200 PSI, Add</i>	933.74	
<i>For 175 PSI, Add</i>	324.21	
<i>For Work In Restricted Working Space, Add</i>	413.41	
23 05 23 00-0575 EA 16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	5,000.46	1,212.67
<i>For 200 PSI, Add</i>	1,254.46	
<i>For 175 PSI, Add</i>	435.58	
<i>For Work In Restricted Working Space, Add</i>	454.75	
23 05 23 00-0576 EA 18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	6,861.54	1,350.48
<i>For 200 PSI, Add</i>	1,863.82	
<i>For 175 PSI, Add</i>	647.16	
<i>For Work In Restricted Working Space, Add</i>	505.28	
23 05 23 00-0577 EA 20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	8,742.38	1,515.84
<i>For 200 PSI, Add</i>	2,465.13	
<i>For 175 PSI, Add</i>	855.95	
<i>For Work In Restricted Working Space, Add</i>	568.44	
23 05 23 00-0578 EA 24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	11,681.88	1,860.35
<i>For 200 PSI, Add</i>	3,365.94	
<i>For 175 PSI, Add</i>	1,168.73	
<i>For Work In Restricted Working Space, Add</i>	699.62	
23 05 23 00-0579 EA 30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	23,856.29	2,974.83
<i>For 200 PSI, Add</i>	7,225.25	
<i>For 175 PSI, Add</i>	2,508.77	
<i>For Work In Restricted Working Space, Add</i>	1,135.85	
23 05 23 00-0580 EA 36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	30,233.13	4,056.58
<i>For 200 PSI, Add</i>	9,180.16	
<i>For 175 PSI, Add</i>	3,187.56	
<i>For Work In Restricted Working Space, Add</i>	1,419.80	
23 05 23 00-0581 EA 42" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	37,043.30	5,949.65
<i>For 200 PSI, Add</i>	10,714.41	
<i>For 175 PSI, Add</i>	3,720.28	
<i>For Work In Restricted Working Space, Add</i>	2,184.32	
23 05 23 00-0582 EA 48" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	45,167.13	7,437.07
<i>For 200 PSI, Add</i>	12,852.64	
<i>For 175 PSI, Add</i>	4,462.72	
<i>For Work In Restricted Working Space, Add</i>	2,839.61	
23 05 23 00-0583 EA 54" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	54,645.02	8,924.48
<i>For 200 PSI, Add</i>	15,412.80	
<i>For 175 PSI, Add</i>	5,351.67	
<i>For Work In Restricted Working Space, Add</i>	3,549.51	
23 05 23 00-0584 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, 175 LB <small>(23 05)</small>		
<small>23 00-0552</small>		
Note: (Milwaukee Valve Company BB-SC 100)		
23 05 23 00-0585 EA 1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	518.15	18.40
<i>For Work In Restricted Working Space, Add</i>	23.24	
23 05 23 00-0586 EA 1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	566.66	19.58
<i>For Work In Restricted Working Space, Add</i>	29.43	
23 05 23 00-0587 EA 1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	709.12	22.66
<i>For Work In Restricted Working Space, Add</i>	33.96	
23 05 23 00-0588 EA 2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	887.87	26.78
<i>For Work In Restricted Working Space, Add</i>	40.13	
23 05 23 00-0589 EA 2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	1,191.69	36.18
<i>For Work In Restricted Working Space, Add</i>	54.19	
23 05 23 00-0590 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, With Tamper Switch, 175 LB <small>(23 05 23 00-0552)</small>		
Note: (Milwaukee Valve Company BB-S02)		
23 05 23 00-0591 EA 1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	774.71	18.40
<i>For Work In Restricted Working Space, Add</i>	23.24	
23 05 23 00-0592 EA 1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	839.72	19.58
<i>For Work In Restricted Working Space, Add</i>	29.43	
23 05 23 00-0593 EA 1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	1,003.98	22.66
<i>For Work In Restricted Working Space, Add</i>	33.96	
23 05 23 00-0594 EA 2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	1,201.94	26.78
<i>For Work In Restricted Working Space, Add</i>	40.13	
23 05 23 00-0595 EA 2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	1,539.00	36.18
<i>For Work In Restricted Working Space, Add</i>	54.19	
23 05 29 Hangers and Supports for HVAC Piping and Equipment <small>(23 05)</small>		
23 05 29 00-0001 Hangers And Supports <small>(23 05 29)</small>		
23 05 29 00-0002 Clevis Hangers <small>(23 05 29 00-0001)</small>		
23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) <small>(23 05 29 00-0002)</small>		
Note: Type 1.		
23 05 29 00-0004 EA 1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	25.98	12.19
<i>For Work In Restricted Working Space, Add</i>	7.32	
23 05 29 00-0005 EA 3/4" Steel Clevis Hanger (Cooper B-Line B3100).....	28.69	13.55
<i>For Work In Restricted Working Space, Add</i>	8.13	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0006	EA		1" Steel Clevis Hanger (Cooper B-Line B3100)	30.17	13.55
			<i>For Work In Restricted Working Space, Add</i>	8.56	
23 05 29 00-0007	EA		1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)	31.21	14.66
			<i>For Work In Restricted Working Space, Add</i>	8.80	
23 05 29 00-0008	EA		1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	31.41	14.66
			<i>For Work In Restricted Working Space, Add</i>	8.80	
23 05 29 00-0009	EA		2" Steel Clevis Hanger (Cooper B-Line B3100)	32.61	14.91
			<i>For Work In Restricted Working Space, Add</i>	9.03	
23 05 29 00-0010	EA		2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	35.06	15.45
			<i>For Work In Restricted Working Space, Add</i>	9.30	
23 05 29 00-0011	EA		3" Steel Clevis Hanger (Cooper B-Line B3100)	37.00	16.25
			<i>For Work In Restricted Working Space, Add</i>	9.56	
23 05 29 00-0012	EA		3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	38.91	17.85
			<i>For Work In Restricted Working Space, Add</i>	10.20	
23 05 29 00-0013	EA		4" Steel Clevis Hanger (Cooper B-Line B3100)	42.29	18.97
			<i>For Work In Restricted Working Space, Add</i>	10.84	
23 05 29 00-0014	EA		5" Steel Clevis Hanger (Cooper B-Line B3100)	53.91	22.69
			<i>For Work In Restricted Working Space, Add</i>	13.62	
23 05 29 00-0015	EA		6" Steel Clevis Hanger (Cooper B-Line B3100)	64.71	27.10
			<i>For Work In Restricted Working Space, Add</i>	16.26	
23 05 29 00-0016	EA		8" Steel Clevis Hanger (Cooper B-Line B3100)	85.17	33.88
			<i>For Work In Restricted Working Space, Add</i>	20.32	
23 05 29 00-0017	EA		10" Steel Clevis Hanger (Cooper B-Line B3100)	121.39	46.07
			<i>For Work In Restricted Working Space, Add</i>	27.10	
23 05 29 00-0018	EA		12" Steel Clevis Hanger (Cooper B-Line B3100)	140.76	50.81
			<i>For Work In Restricted Working Space, Add</i>	30.49	
23 05 29 00-0019	EA		14" Steel Clevis Hanger (Cooper B-Line B3100)	171.66	56.91
			<i>For Work In Restricted Working Space, Add</i>	34.96	
23 05 29 00-0020	EA		16" Steel Clevis Hanger (Cooper B-Line B3100)	210.33	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.65	
23 05 29 00-0021	EA		18" Steel Clevis Hanger (Cooper B-Line B3100)	262.32	84.68
			<i>For Work In Restricted Working Space, Add</i>	50.81	
23 05 29 00-0022	EA		20" Steel Clevis Hanger (Cooper B-Line B3100)	398.57	101.62
			<i>For Work In Restricted Working Space, Add</i>	60.97	
23 05 29 00-0023	EA		24" Steel Clevis Hanger (Cooper B-Line B3100)	582.16	118.55
			<i>For Work In Restricted Working Space, Add</i>	71.13	
23 05 29 00-0024			Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)		
23 05 29 00-0025	EA		1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	30.19	12.19
			<i>For Work In Restricted Working Space, Add</i>	7.32	
23 05 29 00-0026	EA		3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	32.90	13.55
			<i>For Work In Restricted Working Space, Add</i>	8.13	
23 05 29 00-0027	EA		1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	34.47	13.55
			<i>For Work In Restricted Working Space, Add</i>	8.56	
23 05 29 00-0028	EA		1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	35.60	14.66
			<i>For Work In Restricted Working Space, Add</i>	8.80	
23 05 29 00-0029	EA		1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	36.14	14.66
			<i>For Work In Restricted Working Space, Add</i>	8.80	
23 05 29 00-0030	EA		2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	37.07	14.91
			<i>For Work In Restricted Working Space, Add</i>	9.03	
23 05 29 00-0031	EA		2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	40.50	15.45
			<i>For Work In Restricted Working Space, Add</i>	9.30	
23 05 29 00-0032	EA		3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	42.26	16.25
			<i>For Work In Restricted Working Space, Add</i>	9.56	
23 05 29 00-0033	EA		3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	47.52	18.97
			<i>For Work In Restricted Working Space, Add</i>	10.84	
23 05 29 00-0034	EA		4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	51.08	18.97
			<i>For Work In Restricted Working Space, Add</i>	10.84	
23 05 29 00-0035	EA		5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	78.70	22.69
			<i>For Work In Restricted Working Space, Add</i>	13.62	
23 05 29 00-0036	EA		6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	96.77	27.10
			<i>For Work In Restricted Working Space, Add</i>	16.26	
23 05 29 00-0037	EA		8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	116.42	33.88
			<i>For Work In Restricted Working Space, Add</i>	20.32	
23 05 29 00-0038			Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)		
23 05 29 00-0039	EA		1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	25.83	12.19
			<i>For Work In Restricted Working Space, Add</i>	7.32	
23 05 29 00-0040	EA		3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	28.57	13.55
			<i>For Work In Restricted Working Space, Add</i>	8.13	
23 05 29 00-0041	EA		1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	30.13	13.55
			<i>For Work In Restricted Working Space, Add</i>	8.56	
23 05 29 00-0042	EA		1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	30.97	14.66
			<i>For Work In Restricted Working Space, Add</i>	8.80	
23 05 29 00-0043	EA		1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	31.09	14.66
			<i>For Work In Restricted Working Space, Add</i>	8.80	
23 05 29 00-0044	EA		2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	31.95	14.91
			<i>For Work In Restricted Working Space, Add</i>	9.03	
23 05 29 00-0045	EA		2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	34.19	15.45
			<i>For Work In Restricted Working Space, Add</i>	9.30	
23 05 29 00-0046	EA		3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	35.53	16.25
			<i>For Work In Restricted Working Space, Add</i>	9.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0047 EA 3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	40.11	18.97
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 05 29 00-0048 EA 4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	40.95	18.97
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)		
23 05 29 00-0050 EA 3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	33.83	13.55
<i>For Work In Restricted Working Space, Add</i>	8.13	
23 05 29 00-0051 EA 1" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	35.31	13.55
<i>For Work In Restricted Working Space, Add</i>	8.56	
23 05 29 00-0052 EA 1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	36.11	14.66
<i>For Work In Restricted Working Space, Add</i>	8.80	
23 05 29 00-0053 EA 1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	36.95	14.66
<i>For Work In Restricted Working Space, Add</i>	8.80	
23 05 29 00-0054 EA 2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	39.13	14.91
<i>For Work In Restricted Working Space, Add</i>	9.03	
23 05 29 00-0055 EA 2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	41.49	15.45
<i>For Work In Restricted Working Space, Add</i>	9.30	
23 05 29 00-0056 EA 3" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	43.30	16.25
<i>For Work In Restricted Working Space, Add</i>	9.56	
23 05 29 00-0057 EA 4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	51.20	18.97
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 05 29 00-0058 EA 5" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	64.53	22.69
<i>For Work In Restricted Working Space, Add</i>	13.62	
23 05 29 00-0059 EA 6" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	78.95	27.10
<i>For Work In Restricted Working Space, Add</i>	16.26	
23 05 29 00-0060 EA 8" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	108.52	33.88
<i>For Work In Restricted Working Space, Add</i>	20.32	
23 05 29 00-0061 EA 10" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	150.63	46.07
<i>For Work In Restricted Working Space, Add</i>	27.10	
23 05 29 00-0062 EA 12" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	169.25	50.81
<i>For Work In Restricted Working Space, Add</i>	30.49	
23 05 29 00-0063 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)		
23 05 29 00-0064 EA 2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	40.12	14.91
<i>For Work In Restricted Working Space, Add</i>	9.03	
23 05 29 00-0065 EA 2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	42.41	15.45
<i>For Work In Restricted Working Space, Add</i>	9.30	
23 05 29 00-0066 EA 3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	44.35	16.25
<i>For Work In Restricted Working Space, Add</i>	9.56	
23 05 29 00-0067 EA 3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	49.41	18.97
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 05 29 00-0068 EA 4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	51.50	18.97
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 05 29 00-0069 EA 5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	64.14	22.69
<i>For Work In Restricted Working Space, Add</i>	13.62	
23 05 29 00-0070 EA 6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	75.30	27.10
<i>For Work In Restricted Working Space, Add</i>	16.26	
23 05 29 00-0071 EA 8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	98.42	33.88
<i>For Work In Restricted Working Space, Add</i>	20.32	
23 05 29 00-0072 Adjustable Hangers (23 05 29 00-0001)		
23 05 29 00-0073 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0072)		
Note: Type 5.		
23 05 29 00-0074 EA 1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	23.42	10.70
<i>For Work In Restricted Working Space, Add</i>	6.42	
23 05 29 00-0075 EA 3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	25.77	11.87
<i>For Work In Restricted Working Space, Add</i>	7.12	
23 05 29 00-0076 EA 1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	28.40	13.19
<i>For Work In Restricted Working Space, Add</i>	7.91	
23 05 29 00-0077 EA 1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	31.40	14.65
<i>For Work In Restricted Working Space, Add</i>	8.79	
23 05 29 00-0078 EA 1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	32.99	15.38
<i>For Work In Restricted Working Space, Add</i>	9.23	
23 05 29 00-0079 EA 2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	35.08	16.12
<i>For Work In Restricted Working Space, Add</i>	9.67	
23 05 29 00-0080 EA 2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	39.15	16.85
<i>For Work In Restricted Working Space, Add</i>	10.11	
23 05 29 00-0081 EA 3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	40.88	17.58
<i>For Work In Restricted Working Space, Add</i>	10.55	
23 05 29 00-0082 EA 4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	47.88	19.79
<i>For Work In Restricted Working Space, Add</i>	11.87	
23 05 29 00-0083 Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0072)		
Note: Type 10.		
23 05 29 00-0084 EA 1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	28.03	13.55
<i>For Work In Restricted Working Space, Add</i>	8.13	
<i>For 304 Stainless Steel, Add</i>	6.14	
<i>For 316 Stainless Steel, Add</i>	7.91	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0085 EA 3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	29.54	13.55
For Work In Restricted Working Space, Add	8.56	
For 304 Stainless Steel, Add	6.73	
For 316 Stainless Steel, Add	8.67	
23 05 29 00-0086 EA 1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	31.12	14.91
For Work In Restricted Working Space, Add	9.03	
For 304 Stainless Steel, Add	6.73	
For 316 Stainless Steel, Add	8.67	
23 05 29 00-0087 EA 1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	33.02	16.25
For Work In Restricted Working Space, Add	9.56	
For 304 Stainless Steel, Add	7.52	
For 316 Stainless Steel, Add	9.69	
23 05 29 00-0088 EA 1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	37.27	18.97
For Work In Restricted Working Space, Add	10.84	
For 304 Stainless Steel, Add	7.52	
For 316 Stainless Steel, Add	9.69	
23 05 29 00-0089 EA 2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	39.91	18.97
For Work In Restricted Working Space, Add	11.61	
For 304 Stainless Steel, Add	7.92	
For 316 Stainless Steel, Add	10.20	
23 05 29 00-0090 EA 2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	43.64	20.33
For Work In Restricted Working Space, Add	12.51	
For 304 Stainless Steel, Add	12.87	
For 316 Stainless Steel, Add	16.58	
23 05 29 00-0091 EA 3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	47.19	23.03
For Work In Restricted Working Space, Add	13.55	
For 304 Stainless Steel, Add	13.40	
For 316 Stainless Steel, Add	17.26	
23 05 29 00-0092 EA 3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	52.17	24.72
For Work In Restricted Working Space, Add	14.84	
For 304 Stainless Steel, Add	17.95	
For 316 Stainless Steel, Add	23.12	
23 05 29 00-0093 EA 4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	56.91	27.10
For Work In Restricted Working Space, Add	16.26	
For 304 Stainless Steel, Add	17.95	
For 316 Stainless Steel, Add	23.12	
23 05 29 00-0094 EA 5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	66.62	30.49
For Work In Restricted Working Space, Add	18.29	
For 304 Stainless Steel, Add	37.29	
For 316 Stainless Steel, Add	48.03	
23 05 29 00-0095 EA 6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	73.48	33.88
For Work In Restricted Working Space, Add	20.32	
For 304 Stainless Steel, Add	37.88	
For 316 Stainless Steel, Add	48.79	
23 05 29 00-0096 EA 8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	88.11	40.64
For Work In Restricted Working Space, Add	24.39	
For 304 Stainless Steel, Add	45.01	
For 316 Stainless Steel, Add	57.97	
23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0072)	30.52	13.55
23 05 29 00-0098 EA 1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	8.13	
For Work In Restricted Working Space, Add	22.57	
For 304 Stainless Steel, Add	29.07	
For 316 Stainless Steel, Add		
23 05 29 00-0099 EA 3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	31.94	13.55
For Work In Restricted Working Space, Add	8.56	
For 304 Stainless Steel, Add	22.57	
For 316 Stainless Steel, Add	29.07	
23 05 29 00-0100 EA 1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	33.52	14.91
For Work In Restricted Working Space, Add	9.03	
For 304 Stainless Steel, Add	22.57	
For 316 Stainless Steel, Add	29.07	
23 05 29 00-0101 EA 1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	35.30	16.25
For Work In Restricted Working Space, Add	9.56	
For 304 Stainless Steel, Add	22.57	
For 316 Stainless Steel, Add	29.07	
23 05 29 00-0102 EA 1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	39.84	18.97
For Work In Restricted Working Space, Add	10.84	
For 304 Stainless Steel, Add	24.49	
For 316 Stainless Steel, Add	31.54	
23 05 29 00-0103 EA 2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	42.42	18.97
For Work In Restricted Working Space, Add	11.61	
For 304 Stainless Steel, Add	24.49	
For 316 Stainless Steel, Add	31.54	
23 05 29 00-0104 EA 2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	51.42	20.33
For Work In Restricted Working Space, Add	12.51	
For 304 Stainless Steel, Add	64.22	
For 316 Stainless Steel, Add	82.71	
23 05 29 00-0105 EA 3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	57.21	23.03
For Work In Restricted Working Space, Add	13.55	
For 304 Stainless Steel, Add	79.53	
For 316 Stainless Steel, Add	102.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0106 EA 3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	62.45	24.72
<i>For Work In Restricted Working Space, Add</i>	14.84	
<i>For 304 Stainless Steel, Add</i>	85.80	
<i>For 316 Stainless Steel, Add</i>	110.50	
23 05 29 00-0107 EA 4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	70.02	27.10
<i>For Work In Restricted Working Space, Add</i>	16.26	
<i>For 304 Stainless Steel, Add</i>	104.48	
<i>For 316 Stainless Steel, Add</i>	134.56	
23 05 29 00-0108 EA 5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	77.02	30.49
<i>For Work In Restricted Working Space, Add</i>	18.29	
<i>For 304 Stainless Steel, Add</i>	105.93	
<i>For 316 Stainless Steel, Add</i>	136.43	
23 05 29 00-0109 EA 6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	90.98	33.88
<i>For Work In Restricted Working Space, Add</i>	20.32	
<i>For 304 Stainless Steel, Add</i>	153.38	
<i>For 316 Stainless Steel, Add</i>	197.54	
23 05 29 00-0110 Roller Hangers (23 05 29 00-0001)		
23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0110)		
Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112 EA 2" Single Pipe Roll (Cooper B-Line B3114).....	34.87	10.85
Note: Excludes rod and nuts.		
<i>For Work In Restricted Working Space, Add</i>	6.50	
23 05 29 00-0113 EA 2-1/2" Single Pipe Roll (Cooper B-Line B3114).....	38.57	12.20
Note: Excludes rod and nuts.		
<i>For Work In Restricted Working Space, Add</i>	7.32	
23 05 29 00-0114 EA 3" Single Pipe Roll (Cooper B-Line B3114).....	43.42	14.23
Note: Excludes rod and nuts.		
<i>For Work In Restricted Working Space, Add</i>	8.54	
23 05 29 00-0115 EA 3-1/2" Single Pipe Roll (Cooper B-Line B3114).....	49.87	16.26
Note: Excludes rod and nuts.		
<i>For Work In Restricted Working Space, Add</i>	9.76	
23 05 29 00-0116 EA 4" Single Pipe Roll (Cooper B-Line B3114).....	65.81	18.30
Note: Excludes rod and nuts.		
<i>For Work In Restricted Working Space, Add</i>	10.98	
23 05 29 00-0117 EA 5" Single Pipe Roll (Cooper B-Line B3114).....	61.71	20.34
Note: Excludes rod and nuts.		
<i>For Work In Restricted Working Space, Add</i>	12.20	
23 05 29 00-0118 EA 6" Single Pipe Roll (Cooper B-Line B3114).....	76.12	24.40
Note: Excludes rod and nuts.		
<i>For Work In Restricted Working Space, Add</i>	14.64	
23 05 29 00-0119 EA 8" Single Pipe Roll (Cooper B-Line B3114).....	99.33	28.47
Note: Excludes rod and nuts.		
<i>For Work In Restricted Working Space, Add</i>	17.08	
23 05 29 00-0120 EA 10" Single Pipe Roll (Cooper B-Line B3114).....	117.86	33.89
Note: Excludes rod and nuts.		
<i>For Work In Restricted Working Space, Add</i>	20.33	
23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) (23 05 29 00-0110)		
Note: Type 43.		
23 05 29 00-0122 EA 2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	53.64	19.14
<i>For Work In Restricted Working Space, Add</i>	11.04	
<i>For 304 Stainless Steel, Add</i>	111.14	
<i>For 316 Stainless Steel, Add</i>	143.14	
23 05 29 00-0123 EA 2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	56.29	19.72
<i>For Work In Restricted Working Space, Add</i>	11.84	
<i>For 304 Stainless Steel, Add</i>	111.14	
<i>For 316 Stainless Steel, Add</i>	143.14	
23 05 29 00-0124 EA 3" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	60.84	20.61
<i>For Work In Restricted Working Space, Add</i>	12.62	
<i>For 304 Stainless Steel, Add</i>	123.95	
<i>For 316 Stainless Steel, Add</i>	159.63	
23 05 29 00-0125 EA 3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	69.16	22.09
<i>For Work In Restricted Working Space, Add</i>	13.25	
<i>For 304 Stainless Steel, Add</i>	165.00	
<i>For 316 Stainless Steel, Add</i>	212.50	
23 05 29 00-0126 EA 4" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	74.07	25.02
<i>For Work In Restricted Working Space, Add</i>	14.72	
<i>For 304 Stainless Steel, Add</i>	165.00	
<i>For 316 Stainless Steel, Add</i>	212.50	
23 05 29 00-0127 EA 5" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	83.06	26.94
<i>For Work In Restricted Working Space, Add</i>	16.16	
<i>For 304 Stainless Steel, Add</i>	192.59	
<i>For 316 Stainless Steel, Add</i>	248.03	
23 05 29 00-0128 EA 6" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	95.13	29.44
<i>For Work In Restricted Working Space, Add</i>	17.67	
<i>For 304 Stainless Steel, Add</i>	239.18	
<i>For 316 Stainless Steel, Add</i>	308.04	
23 05 29 00-0129 EA 8" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	127.84	36.80
<i>For Work In Restricted Working Space, Add</i>	22.08	
<i>For 304 Stainless Steel, Add</i>	357.98	
<i>For 316 Stainless Steel, Add</i>	461.04	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0130 EA 10" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	162.76	50.06
For Work In Restricted Working Space, Add	29.44	
For 304 Stainless Steel, Add	426.49	
For 316 Stainless Steel, Add	549.27	
23 05 29 00-0131 EA 12" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	205.41	55.20
For Work In Restricted Working Space, Add	33.12	
For 304 Stainless Steel, Add	627.00	
For 316 Stainless Steel, Add	807.50	
23 05 29 00-0132 EA 14" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	389.84	63.30
For Work In Restricted Working Space, Add	37.98	
For 304 Stainless Steel, Add	1,737.38	
For 316 Stainless Steel, Add	2,237.54	
23 05 29 00-0133 EA 16" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	485.12	73.60
For Work In Restricted Working Space, Add	44.16	
For 304 Stainless Steel, Add	2,230.21	
For 316 Stainless Steel, Add	2,872.24	
23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) (23 05 29 00-0110)		
23 05 29 00-0135 EA 2" Steel Roller Chair (Cooper B-Line B3120).....	52.53	19.14
For Work In Restricted Working Space, Add	11.04	
23 05 29 00-0136 EA 2-1/2" Steel Roller Chair (Cooper B-Line B3120).....	56.53	19.72
For Work In Restricted Working Space, Add	11.84	
23 05 29 00-0137 EA 3" Steel Roller Chair (Cooper B-Line B3120).....	59.52	20.61
For Work In Restricted Working Space, Add	12.62	
23 05 29 00-0138 EA 3-1/2" Steel Roller Chair (Cooper B-Line B3120).....	66.41	22.09
For Work In Restricted Working Space, Add	13.25	
23 05 29 00-0139 EA 4" Steel Roller Chair (Cooper B-Line B3120).....	73.95	25.02
For Work In Restricted Working Space, Add	14.72	
23 05 29 00-0140 EA 5" Steel Roller Chair (Cooper B-Line B3120).....	80.91	26.94
For Work In Restricted Working Space, Add	16.16	
23 05 29 00-0141 EA 6" Steel Roller Chair (Cooper B-Line B3120).....	96.54	29.44
For Work In Restricted Working Space, Add	17.67	
23 05 29 00-0142 EA 8" Steel Roller Chair (Cooper B-Line B3120).....	124.49	36.80
For Work In Restricted Working Space, Add	22.08	
23 05 29 00-0143 EA 10" Steel Roller Chair (Cooper B-Line B3120).....	161.98	50.06
For Work In Restricted Working Space, Add	29.44	
23 05 29 00-0144 EA 12" Steel Roller Chair (Cooper B-Line B3120).....	203.37	55.20
For Work In Restricted Working Space, Add	33.12	
23 05 29 00-0145 EA 14" Steel Roller Chair (Cooper B-Line B3120).....	224.11	63.30
For Work In Restricted Working Space, Add	37.98	
23 05 29 00-0146 EA 16" Steel Roller Chair (Cooper B-Line B3120).....	268.25	73.60
For Work In Restricted Working Space, Add	44.16	
23 05 29 00-0147 EA 18" Steel Roller Chair (Cooper B-Line B3120).....	356.36	92.00
For Work In Restricted Working Space, Add	55.20	
23 05 29 00-0148 EA 20" Steel Roller Chair (Cooper B-Line B3120).....	438.46	110.41
For Work In Restricted Working Space, Add	66.24	
23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0110)		
23 05 29 00-0150 EA 2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	57.70	19.14
For Work In Restricted Working Space, Add	11.04	
23 05 29 00-0151 EA 2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	64.18	19.72
For Work In Restricted Working Space, Add	11.84	
23 05 29 00-0152 EA 3" Steel Adjustable Roller Support (Cooper B-Line B3122).....	67.69	20.61
For Work In Restricted Working Space, Add	12.62	
23 05 29 00-0153 EA 3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	71.40	22.09
For Work In Restricted Working Space, Add	13.25	
23 05 29 00-0154 EA 4" Steel Adjustable Roller Support (Cooper B-Line B3122).....	84.41	25.02
For Work In Restricted Working Space, Add	14.72	
23 05 29 00-0155 EA 5" Steel Adjustable Roller Support (Cooper B-Line B3122).....	95.08	26.94
For Work In Restricted Working Space, Add	16.16	
23 05 29 00-0156 EA 6" Steel Adjustable Roller Support (Cooper B-Line B3122).....	109.33	29.44
For Work In Restricted Working Space, Add	17.67	
23 05 29 00-0157 EA 8" Steel Adjustable Roller Support (Cooper B-Line B3122).....	150.83	36.80
For Work In Restricted Working Space, Add	22.08	
23 05 29 00-0158 EA 10" Steel Adjustable Roller Support (Cooper B-Line B3122).....	190.38	50.06
For Work In Restricted Working Space, Add	29.44	
23 05 29 00-0159 EA 12" Steel Adjustable Roller Support (Cooper B-Line B3122).....	219.10	55.20
For Work In Restricted Working Space, Add	33.12	
23 05 29 00-0160 EA 14" Steel Adjustable Roller Support (Cooper B-Line B3122).....	299.40	63.30
For Work In Restricted Working Space, Add	37.98	
23 05 29 00-0161 EA 16" Steel Adjustable Roller Support (Cooper B-Line B3122).....	357.29	73.60
For Work In Restricted Working Space, Add	44.16	
23 05 29 00-0162 EA 18" Steel Adjustable Roller Support (Cooper B-Line B3122).....	411.76	92.00
For Work In Restricted Working Space, Add	55.20	
23 05 29 00-0163 Adjustable Double Roller Support (Cooper B-Line B3122A) (23 05 29 00-0110)		
23 05 29 00-0164 EA 2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	58.00	19.14
For Work In Restricted Working Space, Add	11.04	
23 05 29 00-0165 EA 2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A).....	64.45	19.72
For Work In Restricted Working Space, Add	11.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0166 EA 3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	68.13 12.62	20.61
23 05 29 00-0167 EA 3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	71.01 13.25	22.09
23 05 29 00-0168 EA 4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	87.43 14.72	25.02
23 05 29 00-0169 EA 5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	98.64 16.16	26.94
23 05 29 00-0170 EA 6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	113.58 17.67	29.44
23 05 29 00-0171 EA 8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	157.41 22.08	36.80
23 05 29 00-0172 EA 10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	198.28 29.44	50.06
23 05 29 00-0173 EA 12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	228.34 33.12	55.20
23 05 29 00-0174 EA 14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	314.17 37.98	63.30
23 05 29 00-0175 Pipe And Riser Clamps (23 05 29 00-0001) Note: Includes bolts and weldless eye nuts.		
23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) (23 05 29 00-0175) Note: Type 4.		
23 05 29 00-0177 EA 1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	21.50 5.27	8.79
23 05 29 00-0178 EA 3/4" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	21.80 5.36	8.94
23 05 29 00-0179 EA 1" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	22.12 5.45	9.08
23 05 29 00-0180 EA 1-1/4" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	23.60 5.54	9.23
23 05 29 00-0181 EA 1-1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	23.89 5.63	9.38
23 05 29 00-0182 EA 2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	25.10 5.72	9.52
23 05 29 00-0183 EA 2-1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	26.04 5.89	9.81
23 05 29 00-0184 EA 3" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	27.37 6.07	10.11
23 05 29 00-0185 EA 3-1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	30.63 6.16	10.26
23 05 29 00-0186 EA 4" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	36.49 7.91	13.19
23 05 29 00-0187 EA 5" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	51.32 10.55	17.58
23 05 29 00-0188 EA 6" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	68.72 13.19	21.99
23 05 29 00-0189 EA 8" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	80.71 15.39	25.65
23 05 29 00-0190 EA 10" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	111.66 17.59	29.31
23 05 29 00-0191 EA 12" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	146.53 19.34	32.24
23 05 29 00-0192 EA 14" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	224.33 21.10	35.17
23 05 29 00-0193 EA 16" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	243.14 22.86	38.10
23 05 29 00-0194 EA 18" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	379.45 24.62	41.03
23 05 29 00-0195 EA 20" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	436.20 26.38	43.96
23 05 29 00-0196 EA 24" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	561.85 29.02	48.36
23 05 29 00-0197 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) (23 05 29 00-0175)		
23 05 29 00-0198 EA 3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	37.63 5.65	9.48
23 05 29 00-0199 EA 4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	47.29 5.65	9.48
23 05 29 00-0200 EA 5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	51.54 5.89	9.82
23 05 29 00-0201 EA 6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	78.34 6.14	10.16
23 05 29 00-0202 EA 8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	85.01 6.50	10.84
23 05 29 00-0203 EA 10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	139.96 6.48	10.84
23 05 29 00-0204 EA 12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	222.63 7.31	12.19
23 05 29 00-0205 EA 14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	281.07 8.13	13.55

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0206	EA		16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)..... <i>For Work In Restricted Working Space, Add</i>	306.74 9.76	16.25
23 05 29 00-0207	EA		18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)..... <i>For Work In Restricted Working Space, Add</i>	930.80 11.38	18.97
23 05 29 00-0208	EA		20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)..... <i>For Work In Restricted Working Space, Add</i>	1,068.82 12.19	20.33
23 05 29 00-0209	EA		24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)..... <i>For Work In Restricted Working Space, Add</i>	1,365.88 13.01	21.67
23 05 29 00-0210			Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0175) Note: Type 8.		
23 05 29 00-0211	EA		1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	21.15 4.88	8.13
23 05 29 00-0212	EA		3/4" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	21.88 4.96	8.27
23 05 29 00-0213	EA		1" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	22.21 5.04	8.40
23 05 29 00-0214	EA		1-1/4" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	23.62 5.12	8.54
23 05 29 00-0215	EA		1-1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	24.40 5.20	8.67
23 05 29 00-0216	EA		2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	24.94 5.28	8.81
23 05 29 00-0217	EA		2-1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	25.92 5.45	9.08
23 05 29 00-0218	EA		3" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	27.28 5.61	9.34
23 05 29 00-0219	EA		3-1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	29.41 5.69	9.48
23 05 29 00-0220	EA		4" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	36.21 7.32	12.19
23 05 29 00-0221	EA		5" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	47.17 9.76	16.25
23 05 29 00-0222	EA		6" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	59.60 12.19	20.33
23 05 29 00-0223	EA		8" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	78.46 14.23	23.71
23 05 29 00-0224	EA		10" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	100.12 16.26	27.10
23 05 29 00-0225	EA		12" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	118.93 17.88	29.81
23 05 29 00-0226	EA		14" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	154.28 19.51	32.52
23 05 29 00-0227	EA		16" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	274.20 21.14	35.22
23 05 29 00-0228			Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0175)		
23 05 29 00-0229	EA		1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	32.81 4.88	8.13
23 05 29 00-0230	EA		3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	33.33 4.96	8.27
23 05 29 00-0231	EA		1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	34.56 5.04	8.40
23 05 29 00-0232	EA		1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	36.62 5.12	8.54
23 05 29 00-0233	EA		1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	40.66 5.20	8.67
23 05 29 00-0234	EA		2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	42.91 5.28	8.81
23 05 29 00-0235	EA		2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	46.11 5.45	9.08
23 05 29 00-0236	EA		3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	50.21 5.61	9.34
23 05 29 00-0237	EA		4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	67.66 7.32	12.19
23 05 29 00-0238			Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0175) Note: Type 42		
23 05 29 00-0239	EA		4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	67.44 5.65	9.48
23 05 29 00-0240	EA		6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	71.76 6.14	10.16
23 05 29 00-0241	EA		8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	78.50 6.50	10.84
23 05 29 00-0242	EA		10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	83.26 6.48	10.84
23 05 29 00-0243	EA		12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	100.09 7.31	12.19
23 05 29 00-0244	EA		14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	293.32 8.13	13.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0245 EA 16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	391.60 9.76	16.25
23 05 29 00-0246 EA 18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	466.32 11.38	18.97
23 05 29 00-0247 EA 20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	674.03 12.19	20.33
23 05 29 00-0248 EA 24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	924.44 13.01	21.67
23 05 29 00-0249 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0175)		
23 05 29 00-0250 EA 4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	62.77 5.65	9.48
23 05 29 00-0251 EA 6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	67.75 6.14	10.16
23 05 29 00-0252 EA 8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	113.32 6.50	10.84
23 05 29 00-0253 EA 10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	125.12 6.48	10.84
23 05 29 00-0254 EA 12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	177.27 7.31	12.19
23 05 29 00-0255 EA 14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	268.13 8.13	13.55
23 05 29 00-0256 EA 16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	358.29 9.76	16.25
23 05 29 00-0257 EA 18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	426.17 11.38	18.97
23 05 29 00-0258 EA 20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	617.63 12.19	20.33
23 05 29 00-0259 EA 24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	840.95 13.01	21.67
23 05 29 00-0260 Split Pipe Clamps And Rings (23 05 29 00-0001)		
23 05 29 00-0261 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0260) Note: Type 6.		
23 05 29 00-0262 EA 3/4" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	34.34 7.48	12.45
23 05 29 00-0263 EA 1" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	36.37 7.91	13.19
23 05 29 00-0264 EA 1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	39.78 8.79	14.65
23 05 29 00-0265 EA 1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	42.56 9.23	15.38
23 05 29 00-0266 EA 2" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	45.61 9.67	16.12
23 05 29 00-0267 EA 2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	54.07 10.11	16.85
23 05 29 00-0268 EA 3" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	58.67 10.55	17.58
23 05 29 00-0269 EA 4" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	75.42 11.87	19.79
23 05 29 00-0270 EA 5" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	95.72 14.95	24.92
23 05 29 00-0271 EA 6" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	125.06 17.59	29.31
23 05 29 00-0272 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0260) Note: Type 11.		
23 05 29 00-0273 EA 1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	24.07 6.31	10.31
23 05 29 00-0274 EA 3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	25.32 6.59	10.31
23 05 29 00-0275 EA 1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	27.99 7.36	13.24
23 05 29 00-0276 EA 1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	30.13 7.75	13.24
23 05 29 00-0277 EA 1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	32.88 8.03	13.24
23 05 29 00-0278 EA 2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	37.77 8.83	14.72
23 05 29 00-0279 EA 2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	47.31 9.20	14.72
23 05 29 00-0280 EA 3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	51.84 9.60	16.19
23 05 29 00-0281 EA 4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	55.55 10.51	17.66
23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0260) Note: Type 12.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0283	EA		1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	24.07	10.31
			<i>For Work In Restricted Working Space, Add</i>	6.31	
23 05 29 00-0284	EA		3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	25.32	11.04
			<i>For Work In Restricted Working Space, Add</i>	6.59	
23 05 29 00-0285	EA		1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	27.99	12.51
			<i>For Work In Restricted Working Space, Add</i>	7.36	
23 05 29 00-0286	EA		1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	30.13	13.24
			<i>For Work In Restricted Working Space, Add</i>	7.75	
23 05 29 00-0287	EA		1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	32.88	13.24
			<i>For Work In Restricted Working Space, Add</i>	8.03	
23 05 29 00-0288	EA		2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	37.77	14.72
			<i>For Work In Restricted Working Space, Add</i>	8.83	
23 05 29 00-0289	EA		2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	47.31	15.45
			<i>For Work In Restricted Working Space, Add</i>	9.20	
23 05 29 00-0290	EA		3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	51.84	16.19
			<i>For Work In Restricted Working Space, Add</i>	9.60	
23 05 29 00-0291			Pipe Straps <small>(23 05 29 00-0001)</small>		
23 05 29 00-0292			Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) <small>(23 05 29 00-0001)</small>		
23 05 29 00-0293	EA		1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	16.52	7.36
			<i>For Work In Restricted Working Space, Add</i>	4.42	
23 05 29 00-0294	EA		3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	17.29	8.83
			<i>For Work In Restricted Working Space, Add</i>	4.65	
23 05 29 00-0295	EA		1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	18.15	8.83
			<i>For Work In Restricted Working Space, Add</i>	4.91	
23 05 29 00-0296	EA		1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	19.20	8.83
			<i>For Work In Restricted Working Space, Add</i>	5.19	
23 05 29 00-0297	EA		1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	20.35	10.31
			<i>For Work In Restricted Working Space, Add</i>	5.52	
23 05 29 00-0298	EA		2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	22.84	10.31
			<i>For Work In Restricted Working Space, Add</i>	5.89	
23 05 29 00-0299	EA		2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	26.82	10.31
			<i>For Work In Restricted Working Space, Add</i>	6.31	
23 05 29 00-0300	EA		3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	32.79	10.31
			<i>For Work In Restricted Working Space, Add</i>	6.79	
23 05 29 00-0301	EA		4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	38.71	13.24
			<i>For Work In Restricted Working Space, Add</i>	7.95	
23 05 29 00-0302	EA		6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	46.27	14.72
			<i>For Work In Restricted Working Space, Add</i>	8.83	
23 05 29 00-0303	EA		8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	56.09	16.19
			<i>For Work In Restricted Working Space, Add</i>	9.71	
23 05 29 00-0304			Two Hole Copper-Clad Pipe Straps <small>(23 05 29 00-0291)</small>		
23 05 29 00-0305	EA		1/2" Two Hole Copper-Clad Pipe Strap.....	8.00	
			<i>For Work In Restricted Working Space, Add</i>	2.21	
23 05 29 00-0306	EA		3/4" Two Hole Copper-Clad Pipe Strap.....	8.47	
			<i>For Work In Restricted Working Space, Add</i>	2.32	
23 05 29 00-0307	EA		1" Two Hole Copper-Clad Pipe Strap.....	9.40	
			<i>For Work In Restricted Working Space, Add</i>	2.43	
23 05 29 00-0308	EA		1-1/4" Two Hole Copper-Clad Pipe Strap.....	10.37	
			<i>For Work In Restricted Working Space, Add</i>	2.54	
23 05 29 00-0309	EA		1-1/2" Two Hole Copper-Clad Pipe Strap.....	11.09	
			<i>For Work In Restricted Working Space, Add</i>	2.65	
23 05 29 00-0310	EA		2" Two Hole Copper-Clad Pipe Strap.....	12.03	
			<i>For Work In Restricted Working Space, Add</i>	2.87	
23 05 29 00-0311			One Hole Galvanized Steel Pipe Straps <small>(23 05 29 00-0291)</small>		
23 05 29 00-0312	EA		1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.25	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
23 05 29 00-0313	EA		3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.76	
			<i>For Work In Restricted Working Space, Add</i>	0.79	
23 05 29 00-0314	EA		1" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	4.05	
			<i>For Work In Restricted Working Space, Add</i>	0.85	
23 05 29 00-0315	EA		1-1/4" Galvanized Steel Strap, 1 Hole.....	4.37	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
23 05 29 00-0316	EA		1-1/2" Galvanized Steel Strap, 1 Hole.....	4.71	
			<i>For Work In Restricted Working Space, Add</i>	1.01	
23 05 29 00-0317	EA		2" Galvanized Steel Strap, 1 Hole.....	5.23	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
23 05 29 00-0318			Pipe and Equipment Support Brackets <small>(23 05 29 00-0001)</small>		
23 05 29 00-0319			Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) <small>(23 05 29 00-0318)</small>		
			Note: Up to 750# load.		
23 05 29 00-0320	EA		9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	113.35	16.25
			<i>For Galvanized, Add</i>	16.17	
			<i>For Work In Restricted Working Space, Add</i>	9.76	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0321	EA			13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	114.82	16.25
				<i>For Galvanized, Add</i>	16.46	
				<i>For Work In Restricted Working Space, Add</i>	9.76	
23 05 29 00-0322	EA			19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	120.67	16.25
				<i>For Galvanized, Add</i>	17.63	
				<i>For Work In Restricted Working Space, Add</i>	9.76	
23 05 29 00-0323				Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) (23 05 29 00-0318)		
				Note: Up to 1500# load.		
23 05 29 00-0324	EA			12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	256.17	16.25
				<i>For Galvanized, Add</i>	44.73	
				<i>For Work In Restricted Working Space, Add</i>	9.76	
23 05 29 00-0325	EA			18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	298.21	16.25
				<i>For Galvanized, Add</i>	53.14	
				<i>For Work In Restricted Working Space, Add</i>	9.76	
23 05 29 00-0326	EA			24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	383.94	16.25
				<i>For Galvanized, Add</i>	70.28	
				<i>For Work In Restricted Working Space, Add</i>	9.76	
23 05 29 00-0327				Pipe Alignment Guide (23 05 29 00-0001)		
23 05 29 00-0328				Pipe Alignment Guide, 1" Insulation (23 05 29 00-0327)		
23 05 29 00-0329	EA			1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2).....	838.94	25.74
23 05 29 00-0330	EA			3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4).....	840.29	26.42
23 05 29 00-0331	EA			1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1).....	841.64	27.10
23 05 29 00-0332	EA			1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4).....	843.00	27.77
23 05 29 00-0333	EA			1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2).....	921.06	28.45
23 05 29 00-0334	EA			2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2).....	938.41	31.16
23 05 29 00-0335	EA			2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2).....	940.44	32.18
23 05 29 00-0336	EA			3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	942.47	33.19
23 05 29 00-0337	EA			4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	997.42	35.22
23 05 29 00-0338	EA			5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	1,160.82	44.71
23 05 29 00-0339	EA			6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	1,179.78	54.19
23 05 29 00-0340	EA			8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	1,325.43	67.74
23 05 29 00-0341	EA			10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	2,478.91	81.29
23 05 29 00-0342	EA			12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	3,782.51	108.39
23 05 29 00-0343	EA			14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	4,653.25	135.49
23 05 29 00-0344	EA			16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	5,606.16	151.74
23 05 29 00-0345	EA			18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	6,043.07	169.36
23 05 29 00-0346	EA			20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20).....	6,413.53	193.75
23 05 29 00-0347	EA			24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24).....	8,107.07	203.23
23 05 29 00-0348				Pipe Alignment Guide, 1-1/2" Insulation (23 05 29 00-0327)		
23 05 29 00-0349	EA			1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2).....	840.29	26.42
23 05 29 00-0350	EA			3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4).....	918.34	27.10
23 05 29 00-0351	EA			1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1).....	919.70	27.77
23 05 29 00-0352	EA			1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4).....	921.06	28.45
23 05 29 00-0353	EA			1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2).....	922.41	29.13
23 05 29 00-0354	EA			2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2).....	939.76	31.84
23 05 29 00-0355	EA			2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2).....	941.79	32.86
23 05 29 00-0356	EA			3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3).....	994.70	33.88
23 05 29 00-0357	EA			4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4).....	998.76	35.91
23 05 29 00-0358	EA			5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5).....	1,162.85	45.72
23 05 29 00-0359	EA			6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6).....	1,182.49	55.55
23 05 29 00-0360	EA			8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8).....	1,328.81	69.44
23 05 29 00-0361	EA			10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10).....	2,482.97	83.32
23 05 29 00-0362	EA			12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12).....	3,787.93	111.10
23 05 29 00-0363	EA			14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14).....	4,660.03	138.87
23 05 29 00-0364	EA			16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16).....	5,614.30	155.81
23 05 29 00-0365	EA			18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18).....	6,051.20	173.42
23 05 29 00-0366	EA			20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20).....	6,423.02	198.49
23 05 29 00-0367	EA			24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24).....	8,117.23	208.31
23 05 29 00-0368				Pipe Alignment Guide, 2" Insulation (23 05 29 00-0327)		
23 05 29 00-0369	EA			1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2).....	918.34	27.10
23 05 29 00-0370	EA			3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4).....	931.63	27.77
23 05 29 00-0371	EA			1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1).....	932.99	28.45
23 05 29 00-0372	EA			1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4).....	934.34	29.13
23 05 29 00-0373	EA			1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2).....	935.69	29.81
23 05 29 00-0374	EA			2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2).....	991.99	32.52
23 05 29 00-0375	EA			2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2).....	994.70	33.88
23 05 29 00-0376	EA			3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3).....	996.40	34.72
23 05 29 00-0377	EA			4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4).....	1,144.55	36.58
23 05 29 00-0378	EA			5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5).....	1,164.88	46.74
23 05 29 00-0379	EA			6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6).....	1,303.75	56.91
23 05 29 00-0380	EA			8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8).....	1,463.51	71.13

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0381 EA 10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10).....	2,487.03	85.36
23 05 29 00-0382 EA 12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12).....	3,793.35	113.81
23 05 29 00-0383 EA 14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14).....	4,666.80	142.26
23 05 29 00-0384 EA 16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16).....	5,622.12	159.72
23 05 29 00-0385 EA 18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18).....	6,060.01	177.82
23 05 29 00-0386 EA 20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20).....	6,432.50	203.23
23 05 29 00-0387 EA 24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24).....	8,127.40	213.39
23 05 29 00-0388 Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0327)		
23 05 29 00-0389 EA 1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2).....	931.63	27.77
23 05 29 00-0390 EA 3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4).....	983.87	28.45
23 05 29 00-0391 EA 1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1).....	985.22	29.13
23 05 29 00-0392 EA 1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4).....	986.57	29.81
23 05 29 00-0393 EA 1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2).....	987.93	30.49
23 05 29 00-0394 EA 2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2).....	993.35	33.19
23 05 29 00-0395 EA 2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2).....	996.40	34.72
23 05 29 00-0396 EA 3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3).....	1,142.52	35.56
23 05 29 00-0397 EA 4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4).....	1,145.91	37.25
23 05 29 00-0398 EA 5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5).....	1,284.78	47.42
23 05 29 00-0399 EA 6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6).....	1,306.46	58.26
23 05 29 00-0400 EA 8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8).....	2,461.97	72.82
23 05 29 00-0401 EA 10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10).....	3,740.51	87.39
23 05 29 00-0402 EA 12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12).....	4,615.32	116.52
23 05 29 00-0403 EA 14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14).....	4,674.40	145.65
23 05 29 00-0404 EA 16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16).....	5,630.55	163.94
23 05 29 00-0405 EA 18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18).....	6,068.81	182.23
23 05 29 00-0406 EA 20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20).....	6,442.66	208.31
23 05 29 00-0407 EA 24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24).....	8,138.23	218.81
23 05 29 00-0408 Pipe Alignment Guide, 3" Insulation (23 05 29 00-0327)		
23 05 29 00-0409 EA 1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2).....	983.87	28.45
23 05 29 00-0410 EA 3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4).....	985.22	29.13
23 05 29 00-0411 EA 1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1).....	986.57	29.81
23 05 29 00-0412 EA 1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4).....	987.93	30.49
23 05 29 00-0413 EA 1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2).....	989.29	31.16
23 05 29 00-0414 EA 2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2).....	1,139.13	33.88
23 05 29 00-0415 EA 2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2).....	1,142.52	35.56
23 05 29 00-0416 EA 3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3).....	1,144.55	36.58
23 05 29 00-0417 EA 4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4).....	1,266.35	38.21
23 05 29 00-0418 EA 5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5).....	1,287.49	48.77
23 05 29 00-0419 EA 6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6).....	1,440.48	59.61
23 05 29 00-0420 EA 8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8).....	2,465.36	74.52
23 05 29 00-0421 EA 10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10).....	3,744.57	89.43
23 05 29 00-0422 EA 12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12).....	4,620.73	119.23
23 05 29 00-0423 EA 14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14).....	4,681.18	149.04
23 05 29 00-0424 EA 16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16).....	5,638.68	168.01
23 05 29 00-0425 EA 18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18).....	6,076.94	186.29
23 05 29 00-0426 EA 20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20).....	6,452.83	213.39
23 05 29 00-0427 EA 24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24).....	8,149.07	224.23
23 05 29 00-0428 Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0327)		
23 05 29 00-0429 EA 1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2).....	985.22	29.13
23 05 29 00-0430 EA 3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4).....	1,131.00	29.81
23 05 29 00-0431 EA 1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1).....	1,132.36	30.49
23 05 29 00-0432 EA 1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4).....	1,133.72	31.16
23 05 29 00-0433 EA 1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2).....	1,135.07	31.84
23 05 29 00-0434 EA 2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2).....	1,140.83	34.72
23 05 29 00-0435 EA 2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2).....	1,144.28	36.45
23 05 29 00-0436 EA 3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3).....	1,264.93	37.50
23 05 29 00-0437 EA 4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4).....	1,268.52	39.29
23 05 29 00-0438 EA 5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5).....	1,421.51	50.13
23 05 29 00-0439 EA 6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6).....	2,438.26	60.97
23 05 29 00-0440 EA 8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8).....	3,718.16	76.21
23 05 29 00-0441 EA 10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10).....	4,566.42	91.66
23 05 29 00-0442 EA 12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12).....	5,546.54	121.94
23 05 29 00-0443 EA 14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14).....	5,608.19	152.76
23 05 29 00-0444 EA 16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16).....	6,067.42	172.07
23 05 29 00-0445 EA 18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18).....	6,408.11	191.04
23 05 29 00-0446 EA 20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20).....	8,136.88	218.14
23 05 29 00-0447 Pipe Alignment Guide, 4" Insulation (23 05 29 00-0327)		
23 05 29 00-0448 EA 1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2).....	1,131.00	29.81
23 05 29 00-0449 EA 3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4).....	1,132.36	30.49
23 05 29 00-0450 EA 1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1).....	1,133.72	31.16
23 05 29 00-0451 EA 1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4).....	1,135.07	31.84
23 05 29 00-0452 EA 1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2).....	1,136.42	32.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0453 EA 2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2).....	1,261.07	35.56
23 05 29 00-0454 EA 2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2).....	1,264.46	37.25
23 05 29 00-0455 EA 3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3).....	1,266.76	38.41
23 05 29 00-0456 EA 4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4).....	1,401.86	40.31
23 05 29 00-0457 EA 5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5).....	2,419.29	51.49
23 05 29 00-0458 EA 6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6).....	2,440.97	62.33
23 05 29 00-0459 EA 8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8).....	3,721.54	77.91
23 05 29 00-0460 EA 10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10).....	4,571.42	94.16
23 05 29 00-0461 EA 12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12).....	5,552.64	124.99
23 05 29 00-0462 EA 14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14).....	6,015.98	155.81
23 05 29 00-0463 EA 16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16).....	6,378.31	176.13
23 05 29 00-0464 EA 18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18).....	8,093.52	196.45
23 05 29 00-0465 Sway Bracing For No Hub Pipe (23 05 29 00-0001)		
23 05 29 00-0466 EA 1-1/2" Sway Bracing.....	162.46	17.88
For Work In Restricted Working Space, Add	10.70	
23 05 29 00-0467 EA 2" Sway Bracing.....	167.46	18.83
For Work In Restricted Working Space, Add	11.29	
23 05 29 00-0468 EA 3" Sway Bracing.....	173.52	19.91
For Work In Restricted Working Space, Add	11.96	
23 05 29 00-0469 EA 4" Sway Bracing.....	196.95	22.63
For Work In Restricted Working Space, Add	13.55	
23 05 29 00-0470 EA 6" Sway Bracing.....	289.09	33.88
For Work In Restricted Working Space, Add	20.32	
23 05 29 00-0471 EA 8" Sway Bracing.....	321.06	42.27
For Work In Restricted Working Space, Add	25.40	
23 05 29 00-0472 EA 10" Sway Bracing.....	363.43	56.50
For Work In Restricted Working Space, Add	33.87	
23 05 29 00-0473 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)		
Note: Heights listed is total for base and adjustable saddle		
23 05 29 00-0474 EA 23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	340.17	13.55
For Work In Restricted Working Space, Add	8.13	
23 05 29 00-0475 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	348.25	14.91
For Work In Restricted Working Space, Add	8.94	
23 05 29 00-0476 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	692.15	16.94
For Work In Restricted Working Space, Add	10.16	
23 05 29 00-0477 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	842.46	18.97
For Work In Restricted Working Space, Add	11.38	
23 05 29 00-0478 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	853.88	21.00
For Work In Restricted Working Space, Add	12.60	
23 05 29 00-0479 EA 25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	940.19	23.71
For Work In Restricted Working Space, Add	14.23	
23 05 29 00-0480 EA 25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,119.32	25.74
For Work In Restricted Working Space, Add	15.45	
23 05 29 00-0481 EA 25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,133.08	27.77
For Work In Restricted Working Space, Add	16.67	
23 05 29 00-0482 EA 26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,150.71	30.49
For Work In Restricted Working Space, Add	18.29	
23 05 29 00-0483 EA 28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,199.22	33.19
For Work In Restricted Working Space, Add	19.92	
23 05 29 00-0484 EA 29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,285.90	36.58
For Work In Restricted Working Space, Add	21.95	
23 05 29 00-0485 EA 30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,325.45	40.64
For Work In Restricted Working Space, Add	24.39	
23 05 29 00-0486 EA 32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,613.54	44.71
For Work In Restricted Working Space, Add	26.83	
23 05 29 00-0487 EA 33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,761.92	50.13
For Work In Restricted Working Space, Add	30.08	
23 05 29 00-0488 EA 35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	2,480.80	55.55
For Work In Restricted Working Space, Add	33.33	
23 05 29 00-0489 EA 36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	3,061.39	60.97
For Work In Restricted Working Space, Add	36.58	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0490 EA 39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	3,679.13	66.39
<i>For Work In Restricted Working Space, Add</i>	39.83	
23 05 29 00-0491 Channel Mounted Cushion Clamp (23 05 29 00-0001)		
Note: Includes fastening into channel.		
23 05 29 00-0492 EA 1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050).....	15.31	6.10
23 05 29 00-0493 EA 5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062).....	16.12	6.78
23 05 29 00-0494 EA 7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087).....	17.62	7.11
23 05 29 00-0495 EA 1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112).....	18.78	7.45
23 05 29 00-0496 EA 1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137).....	20.85	8.13
23 05 29 00-0497 EA 1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162).....	22.94	8.47
23 05 29 00-0498 EA 2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212).....	27.87	8.81
23 05 29 00-0499 EA 2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262).....	30.67	9.48
23 05 29 00-0500 EA 3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312).....	37.21	10.84
23 05 29 00-0501 EA 4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412).....	53.93	12.19
23 05 29 00-0502 Galvanized Steel Cushion Tube Clamp (KMC) (23 05 29 00-0001)		
Note: Excludes fastening bolt and drilling if necessary.		
23 05 29 00-0503 EA 1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe.....	4.94	
Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0504 EA 1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe.....	5.07	
Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0505 EA 5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe.....	5.15	
Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0506 EA 5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe.....	5.37	
Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0507 EA 7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe.....	5.11	
Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0508 EA 7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe.....	5.50	
Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0509 EA 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe.....	5.26	
Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0510 EA 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe.....	5.74	
Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0511 EA 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe.....	5.76	
Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0512 EA 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe.....	5.48	
Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0513 EA 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe.....	5.70	
Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0514 EA 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe.....	6.37	
Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0515 EA 1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe.....	5.72	
Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0516 EA 1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe.....	6.15	
Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0517 EA 1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe.....	6.87	
Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0518 EA 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe.....	6.93	
Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0519 EA 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe.....	7.32	
Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0520 EA 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe.....	8.10	
Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0521 EA 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe.....	8.34	
Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0522 EA 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe.....	9.51	
Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0523 EA 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe.....	9.60	
Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0524 EA 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe.....	8.58	
Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0525 EA 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe.....	9.51	
Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0526 EA 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe.....	10.07	
Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0527 EA 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe.....	8.88	
Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0528 EA 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe.....	9.44	
Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0529 EA 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe.....	11.63	
Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0530 EA 4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe.....	8.82	
Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0531 EA 4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe.....	9.64	
Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0532 EA 4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe.....	12.11	
Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0533				Rooftop Pipe Supports <small>(23 05 29 00-0001)</small> Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0534				Rooftop Support Base <small>(23 05 29 00-0533)</small>		
	EA			4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	48.40	11.04
	EA			4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	67.40	14.72
23 05 29 00-0537				Rooftop Support Base With 14 Gauge Galvanized Channel <small>(23 05 29 00-0533)</small>		
	EA			5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	54.96	11.04
	EA			5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	78.05	14.72
	EA			5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	143.88	18.40
	EA			5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	198.76	22.08
	EA			5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	275.11	25.75
	EA			5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	290.20	29.43
23 05 29 00-0544				Rooftop Support Base With 12 Gauge Galvanized Channel <small>(23 05 29 00-0533)</small>		
	EA			6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	95.45	14.72
	EA			6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	151.64	18.40
	EA			6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	201.87	22.08
	EA			6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	275.29	25.75
	EA			6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	309.50	22.08
23 05 29 00-0550				Rooftop Bridge Support Base With 12 Gauge Galvanized Channel <small>(23 05 29 00-0533)</small>		
	EA			5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	159.81	22.08
	EA			5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	182.03	25.75
	EA			5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	189.32	29.43
	EA			5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	207.25	33.11
	EA			5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	265.08	36.79
23 05 29 00-0556				Rooftop Pipe Support Base And Rod <small>(23 05 29 00-0533)</small>		
	EA			9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	116.05	14.72
	EA			9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	116.05	14.72
	EA			9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	116.71	14.72
	EA			10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	124.73	18.40
	EA			10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	119.97	18.40
	EA			10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	126.08	18.40
23 05 29 00-0563				Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly <small>(23 05 29 00-0533)</small>		
	EA			7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	147.23	14.72
	EA			7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	164.33	14.72
	EA			8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	215.39	18.40
	EA			9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	285.27	18.40
	EA			9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	389.05	18.40
23 05 29 00-0569				Rooftop Support Base And Adjustable Height Roller Assembly <small>(23 05 29 00-0533)</small> Note: Includes base, two zinc all threaded rod risers and pipe roller.		
	EA			Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	183.49	22.08
23 05 29 00-0571				Rooftop Support Base And Adjustable Height Channel Assembly <small>(23 05 29 00-0533)</small> Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
	EA			Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	120.29	18.40
	EA			Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	163.95	22.08
	EA			Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	182.82	25.75
23 05 29 00-0575				Rooftop Support Bases With Channel Support And Risers Assembly <small>(23 05 29 00-0533)</small> Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0576 EA 23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS).....	441.53	29.43
23 05 29 00-0577 EA 29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS).....	446.45	29.43
23 05 29 00-0578 EA 41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS).....	463.70	29.43
23 05 29 00-0579 EA 53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS).....	503.31	29.43
23 05 29 00-0580 EA 23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS).....	432.75	29.43
23 05 29 00-0581 EA 29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS).....	449.26	29.43
23 05 29 00-0582 EA 41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS).....	466.51	29.43
23 05 29 00-0583 EA 53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS).....	506.10	29.43
23 05 29 00-0584 EA 23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS).....	452.37	29.43
23 05 29 00-0585 EA 29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS).....	458.13	29.43
23 05 29 00-0586 EA 41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS).....	475.05	29.43
23 05 29 00-0587 EA 53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS).....	514.82	29.43
23 05 29 00-0588 EA 23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS).....	472.42	29.43
23 05 29 00-0589 EA 29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS).....	477.67	29.43
23 05 29 00-0590 EA 41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS).....	494.60	29.43
23 05 29 00-0591 EA 53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS).....	534.36	29.43
23 05 29 00-0592 Threaded Rod, Accessories And Attachments (23 05 29)		
23 05 29 00-0593 Threaded Rod And Rod Accessories (23 05 29 00-0592)		
23 05 29 00-0594 Threaded Rod (23 05 29 00-0593)		
Note: Fully threaded.		
23 05 29 00-0595 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.61	0.92
For Galvanized, Add	0.71	
For Zinc Plated, Add	0.50	
For Work In Restricted Working Space, Add	0.55	
23 05 29 00-0596 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.78	0.99
For Galvanized, Add	1.13	
For Zinc Plated, Add	0.80	
For Work In Restricted Working Space, Add	0.59	
23 05 29 00-0597 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.39	1.02
For Galvanized, Add	1.74	
For Zinc Plated, Add	1.24	
For Work In Restricted Working Space, Add	0.61	
23 05 29 00-0598 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.02	1.05
For Galvanized, Add	3.17	
For Zinc Plated, Add	2.26	
For Work In Restricted Working Space, Add	0.63	
23 05 29 00-0599 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.87	1.09
For Galvanized, Add	3.48	
For Zinc Plated, Add	2.48	
For Work In Restricted Working Space, Add	0.65	
23 05 29 00-0600 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.68	1.22
For Galvanized, Add	4.89	
For Zinc Plated, Add	3.49	
For Work In Restricted Working Space, Add	0.74	
23 05 29 00-0601 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	18.16	1.36
For Galvanized, Add	6.17	
For Zinc Plated, Add	4.40	
For Work In Restricted Working Space, Add	0.82	
23 05 29 00-0602 Rod Couplings (23 05 29 00-0593)		
23 05 29 00-0603 EA 3/8" Diameter, Threaded Rod Coupling Nut.....	10.25	
For Work In Restricted Working Space, Add	2.71	
23 05 29 00-0604 EA 1/2" Diameter, Threaded Rod Coupling Nut.....	11.56	
For Work In Restricted Working Space, Add	3.01	
23 05 29 00-0605 EA 5/8" Diameter, Threaded Rod Coupling Nut.....	14.01	
For Work In Restricted Working Space, Add	3.39	
23 05 29 00-0606 EA 3/4" Diameter, Threaded Rod Coupling Nut.....	16.57	
For Work In Restricted Working Space, Add	3.70	
23 05 29 00-0607 EA 7/8" Diameter, Threaded Rod Coupling Nut.....	22.66	
For Work In Restricted Working Space, Add	4.07	
23 05 29 00-0608 EA 1" Diameter, Threaded Rod Coupling Nut.....	26.84	
For Work In Restricted Working Space, Add	4.78	
23 05 29 00-0609 EA 1-1/8" Diameter, Threaded Rod Coupling Nut	46.91	
For Work In Restricted Working Space, Add	5.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0610 Flat Washers <small>(23 05 29 00-0593)</small>		
Note: Zinc plated.		
23 05 29 00-0611 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.72	0.29
For Galvanized, Add	0.03	
For Work In Restricted Working Space, Add	0.18	
23 05 29 00-0612 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.92	0.29
For Galvanized, Add	0.06	
For Work In Restricted Working Space, Add	0.21	
23 05 29 00-0613 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.25	0.44
For Galvanized, Add	0.11	
For Work In Restricted Working Space, Add	0.24	
23 05 29 00-0614 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.70	0.44
For Galvanized, Add	0.16	
For Work In Restricted Working Space, Add	0.32	
23 05 29 00-0615 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.99	0.59
For Galvanized, Add	0.19	
For Work In Restricted Working Space, Add	0.37	
23 05 29 00-0616 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.31	0.59
For Galvanized, Add	0.24	
For Work In Restricted Working Space, Add	0.41	
23 05 29 00-0617 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.59	0.73
For Galvanized, Add	0.27	
For Work In Restricted Working Space, Add	0.46	
23 05 29 00-0618 Hex Nuts <small>(23 05 29 00-0593)</small>		
Note: Grade 2 and zinc plated.		
23 05 29 00-0619 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.92	0.37
For Galvanized, Add	0.02	
For Work In Restricted Working Space, Add	0.25	
23 05 29 00-0620 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.12	0.37
For Galvanized, Add	0.05	
For Work In Restricted Working Space, Add	0.28	
23 05 29 00-0621 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.42	0.37
For Galvanized, Add	0.11	
For Work In Restricted Working Space, Add	0.29	
23 05 29 00-0622 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.63	0.73
For Galvanized, Add	0.15	
For Work In Restricted Working Space, Add	0.31	
23 05 29 00-0623 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.22	0.73
For Galvanized, Add	0.28	
For Work In Restricted Working Space, Add	0.33	
23 05 29 00-0624 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.76	0.73
For Galvanized, Add	0.38	
For Work In Restricted Working Space, Add	0.37	
23 05 29 00-0625 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.26	0.73
For Galvanized, Add	0.72	
For Work In Restricted Working Space, Add	0.41	
23 05 29 00-0626 Turnbuckle (Cooper B-Line B3202) <small>(23 05 29 00-0593)</small>		
Note: Type 13.		
23 05 29 00-0627 EA 3/8" Turnbuckle (Cooper B-Line B3202)	27.88	7.36
For Work In Restricted Working Space, Add	4.42	
23 05 29 00-0628 EA 1/2" Turnbuckle (Cooper B-Line B3202)	32.71	8.09
For Work In Restricted Working Space, Add	4.91	
23 05 29 00-0629 EA 5/8" Turnbuckle (Cooper B-Line B3202)	35.50	8.83
For Work In Restricted Working Space, Add	5.52	
23 05 29 00-0630 EA 3/4" Turnbuckle (Cooper B-Line B3202)	43.93	10.31
For Work In Restricted Working Space, Add	6.31	
23 05 29 00-0631 EA 7/8" Turnbuckle (Cooper B-Line B3202)	55.93	11.04
For Work In Restricted Working Space, Add	7.36	
23 05 29 00-0632 EA 1" Turnbuckle (Cooper B-Line B3202)	69.07	11.78
For Work In Restricted Working Space, Add	8.83	
23 05 29 00-0633 EA 1-1/8" Turnbuckle (Cooper B-Line B3202)	94.41	13.25
For Work In Restricted Working Space, Add	11.04	
23 05 29 00-0634 Swivel Turnbuckle (Cooper B-Line B3224) <small>(23 05 29 00-0593)</small>		
Note: Type 15.		
23 05 29 00-0635 EA 3/8" Swivel Turnbuckle (Cooper B-Line B3224)	19.56	7.36
For Work In Restricted Working Space, Add	4.42	
23 05 29 00-0636 EA 1/2" Swivel Turnbuckle (Cooper B-Line B3224)	22.39	8.24
For Work In Restricted Working Space, Add	4.91	
23 05 29 00-0637 EA 5/8" Swivel Turnbuckle (Cooper B-Line B3224)	28.54	9.12
For Work In Restricted Working Space, Add	5.52	
23 05 29 00-0638 EA 3/4" Swivel Turnbuckle (Cooper B-Line B3224)	34.07	10.45
For Work In Restricted Working Space, Add	6.31	
23 05 29 00-0639 Forged Steel Clevis (Cooper B-Line B3201) <small>(23 05 29 00-0593)</small>		
Note: Type 14.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0640 EA 3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201).....	85.17	13.55
<i>For Work In Restricted Working Space, Add</i>	8.13	
23 05 29 00-0641 EA 4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201).....	121.60	14.22
<i>For Work In Restricted Working Space, Add</i>	8.56	
23 05 29 00-0642 EA 5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201).....	131.26	14.91
<i>For Work In Restricted Working Space, Add</i>	9.03	
23 05 29 00-0643 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201).....	136.88	16.25
<i>For Work In Restricted Working Space, Add</i>	9.56	
23 05 29 00-0644 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201).....	144.97	18.30
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 05 29 00-0645 EA 6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201).....	237.07	23.71
<i>For Work In Restricted Working Space, Add</i>	14.23	
23 05 29 00-0646 EA 5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201).....	258.26	27.10
<i>For Work In Restricted Working Space, Add</i>	16.26	
23 05 29 00-0647 EA 7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201).....	305.82	33.88
<i>For Work In Restricted Working Space, Add</i>	20.32	
23 05 29 00-0648 Welded Eye Rod (Cooper B-Line B3211) <small>(23 05 29 00-0593)</small>		
23 05 29 00-0649 EA 3/8" Diameter x 8" Length Shank, Welded Eye Rod.....	28.18	7.94
<i>For Work In Restricted Working Space, Add</i>	4.78	
23 05 29 00-0650 EA 3/8" Diameter x 10" Length Shank, Welded Eye Rod.....	29.01	8.09
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 05 29 00-0651 EA 3/8" Diameter x 12" Length Shank, Welded Eye Rod.....	29.85	8.24
<i>For Work In Restricted Working Space, Add</i>	4.97	
23 05 29 00-0652 EA 3/8" Diameter x 14" Length Shank, Welded Eye Rod.....	30.15	8.39
<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0653 EA 3/8" Diameter x 18" Length Shank, Welded Eye Rod.....	31.82	8.69
<i>For Work In Restricted Working Space, Add</i>	5.24	
23 05 29 00-0654 EA 3/8" Diameter x 24" Length Shank, Welded Eye Rod.....	33.82	9.27
<i>For Work In Restricted Working Space, Add</i>	5.52	
23 05 29 00-0655 EA 3/8" Diameter x 30" Length Shank, Welded Eye Rod.....	35.26	9.71
<i>For Work In Restricted Working Space, Add</i>	5.80	
23 05 29 00-0656 EA 3/8" Diameter x 36" Length Shank, Welded Eye Rod.....	37.79	10.15
<i>For Work In Restricted Working Space, Add</i>	6.07	
23 05 29 00-0657 EA 3/8" Diameter x 42" Length Shank, Welded Eye Rod.....	39.76	10.60
<i>For Work In Restricted Working Space, Add</i>	6.35	
23 05 29 00-0658 EA 3/8" Diameter x 48" Length Shank, Welded Eye Rod.....	41.75	11.04
<i>For Work In Restricted Working Space, Add</i>	6.62	
23 05 29 00-0659 EA 1/2" Diameter x 8" Length Shank, Welded Eye Rod.....	36.25	8.83
<i>For Work In Restricted Working Space, Add</i>	5.30	
23 05 29 00-0660 EA 1/2" Diameter x 10" Length Shank, Welded Eye Rod.....	37.09	8.98
<i>For Work In Restricted Working Space, Add</i>	5.39	
23 05 29 00-0661 EA 1/2" Diameter x 12" Length Shank, Welded Eye Rod.....	37.96	9.12
<i>For Work In Restricted Working Space, Add</i>	5.49	
23 05 29 00-0662 EA 1/2" Diameter x 14" Length Shank, Welded Eye Rod.....	38.83	9.27
<i>For Work In Restricted Working Space, Add</i>	5.59	
23 05 29 00-0663 EA 1/2" Diameter x 18" Length Shank, Welded Eye Rod.....	40.53	9.56
<i>For Work In Restricted Working Space, Add</i>	5.78	
23 05 29 00-0664 EA 1/2" Diameter x 24" Length Shank, Welded Eye Rod.....	43.64	10.16
<i>For Work In Restricted Working Space, Add</i>	6.08	
23 05 29 00-0665 EA 1/2" Diameter x 30" Length Shank, Welded Eye Rod.....	46.22	10.60
<i>For Work In Restricted Working Space, Add</i>	6.37	
23 05 29 00-0666 EA 1/2" Diameter x 36" Length Shank, Welded Eye Rod.....	49.33	11.04
<i>For Work In Restricted Working Space, Add</i>	6.67	
23 05 29 00-0667 EA 1/2" Diameter x 42" Length Shank, Welded Eye Rod.....	51.88	11.63
<i>For Work In Restricted Working Space, Add</i>	6.96	
23 05 29 00-0668 EA 1/2" Diameter x 48" Length Shank, Welded Eye Rod.....	54.46	12.07
<i>For Work In Restricted Working Space, Add</i>	7.25	
23 05 29 00-0669 EA 5/8" Diameter x 8" Length Shank, Welded Eye Rod.....	47.38	9.87
<i>For Work In Restricted Working Space, Add</i>	5.93	
23 05 29 00-0670 EA 5/8" Diameter x 10" Length Shank, Welded Eye Rod.....	48.77	10.01
<i>For Work In Restricted Working Space, Add</i>	6.03	
23 05 29 00-0671 EA 5/8" Diameter x 12" Length Shank, Welded Eye Rod.....	50.20	10.16
<i>For Work In Restricted Working Space, Add</i>	6.13	
23 05 29 00-0672 EA 5/8" Diameter x 14" Length Shank, Welded Eye Rod.....	51.06	10.45
<i>For Work In Restricted Working Space, Add</i>	6.23	
23 05 29 00-0673 EA 5/8" Diameter x 18" Length Shank, Welded Eye Rod.....	53.33	10.74
<i>For Work In Restricted Working Space, Add</i>	6.44	
23 05 29 00-0674 EA 5/8" Diameter x 24" Length Shank, Welded Eye Rod.....	57.01	11.18
<i>For Work In Restricted Working Space, Add</i>	6.74	
23 05 29 00-0675 EA 5/8" Diameter x 30" Length Shank, Welded Eye Rod.....	60.67	11.78
<i>For Work In Restricted Working Space, Add</i>	7.04	
23 05 29 00-0676 EA 5/8" Diameter x 36" Length Shank, Welded Eye Rod.....	63.82	12.22
<i>For Work In Restricted Working Space, Add</i>	7.35	
23 05 29 00-0677 EA 5/8" Diameter x 42" Length Shank, Welded Eye Rod.....	67.49	12.80
<i>For Work In Restricted Working Space, Add</i>	7.66	
23 05 29 00-0678 EA 5/8" Diameter x 48" Length Shank, Welded Eye Rod.....	71.15	13.25
<i>For Work In Restricted Working Space, Add</i>	7.96	
23 05 29 00-0679 EA 3/4" Diameter x 8" Length Shank, Welded Eye Rod.....	57.51	11.18
<i>For Work In Restricted Working Space, Add</i>	6.74	
23 05 29 00-0680 EA 3/4" Diameter x 10" Length Shank, Welded Eye Rod.....	59.46	11.33
<i>For Work In Restricted Working Space, Add</i>	6.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0681 EA 3/4" Diameter x 12" Length Shank, Welded Eye Rod	60.86	11.63
For Work In Restricted Working Space, Add	6.94	
23 05 29 00-0682 EA 3/4" Diameter x 14" Length Shank, Welded Eye Rod	62.81	11.78
For Work In Restricted Working Space, Add	7.05	
23 05 29 00-0683 EA 3/4" Diameter x 18" Length Shank, Welded Eye Rod	66.16	12.07
For Work In Restricted Working Space, Add	7.26	
23 05 29 00-0684 EA 3/4" Diameter x 24" Length Shank, Welded Eye Rod	70.91	12.66
For Work In Restricted Working Space, Add	7.57	
23 05 29 00-0685 EA 3/4" Diameter x 30" Length Shank, Welded Eye Rod	75.68	13.10
For Work In Restricted Working Space, Add	7.88	
23 05 29 00-0686 EA 3/4" Diameter x 36" Length Shank, Welded Eye Rod	80.99	13.69
For Work In Restricted Working Space, Add	8.20	
23 05 29 00-0687 EA 3/4" Diameter x 42" Length Shank, Welded Eye Rod	86.26	14.13
For Work In Restricted Working Space, Add	8.51	
23 05 29 00-0688 EA 3/4" Diameter x 48" Length Shank, Welded Eye Rod	91.03	14.72
For Work In Restricted Working Space, Add	8.82	
23 05 29 00-0689 EA 7/8" Diameter x 8" Length Shank, Welded Eye Rod	68.54	12.95
For Work In Restricted Working Space, Add	7.81	
23 05 29 00-0690 EA 7/8" Diameter x 10" Length Shank, Welded Eye Rod	71.01	13.25
For Work In Restricted Working Space, Add	7.92	
23 05 29 00-0691 EA 7/8" Diameter x 12" Length Shank, Welded Eye Rod	72.98	13.40
For Work In Restricted Working Space, Add	8.03	
23 05 29 00-0692 EA 7/8" Diameter x 14" Length Shank, Welded Eye Rod	74.94	13.55
For Work In Restricted Working Space, Add	8.14	
23 05 29 00-0693 EA 7/8" Diameter x 18" Length Shank, Welded Eye Rod	78.86	13.98
For Work In Restricted Working Space, Add	8.36	
23 05 29 00-0694 EA 7/8" Diameter x 24" Length Shank, Welded Eye Rod	85.25	14.42
For Work In Restricted Working Space, Add	8.68	
23 05 29 00-0695 EA 7/8" Diameter x 30" Length Shank, Welded Eye Rod	91.12	15.02
For Work In Restricted Working Space, Add	9.01	
23 05 29 00-0696 EA 7/8" Diameter x 36" Length Shank, Welded Eye Rod	97.52	15.61
For Work In Restricted Working Space, Add	9.34	
23 05 29 00-0697 EA 7/8" Diameter x 42" Length Shank, Welded Eye Rod	103.39	16.04
For Work In Restricted Working Space, Add	9.66	
23 05 29 00-0698 EA 7/8" Diameter x 48" Length Shank, Welded Eye Rod	109.26	16.63
For Work In Restricted Working Space, Add	9.99	
23 05 29 00-0699 EA 1" Diameter x 8" Length Shank, Welded Eye Rod	85.27	15.61
For Work In Restricted Working Space, Add	9.32	
23 05 29 00-0700 EA 1" Diameter x 10" Length Shank, Welded Eye Rod	87.80	15.75
For Work In Restricted Working Space, Add	9.45	
23 05 29 00-0701 EA 1" Diameter x 12" Length Shank, Welded Eye Rod	90.34	15.90
For Work In Restricted Working Space, Add	9.57	
23 05 29 00-0702 EA 1" Diameter x 14" Length Shank, Welded Eye Rod	92.86	16.19
For Work In Restricted Working Space, Add	9.69	
23 05 29 00-0703 EA 1" Diameter x 18" Length Shank, Welded Eye Rod	97.92	16.63
For Work In Restricted Working Space, Add	9.94	
23 05 29 00-0704 EA 1" Diameter x 24" Length Shank, Welded Eye Rod	105.53	17.23
For Work In Restricted Working Space, Add	10.31	
23 05 29 00-0705 EA 1" Diameter x 30" Length Shank, Welded Eye Rod	113.15	17.81
For Work In Restricted Working Space, Add	10.67	
23 05 29 00-0706 EA 1" Diameter x 36" Length Shank, Welded Eye Rod	121.24	18.40
For Work In Restricted Working Space, Add	11.04	
23 05 29 00-0707 EA 1" Diameter x 42" Length Shank, Welded Eye Rod	128.86	18.99
For Work In Restricted Working Space, Add	11.41	
23 05 29 00-0708 EA 1" Diameter x 48" Length Shank, Welded Eye Rod	136.47	19.58
For Work In Restricted Working Space, Add	11.78	
23 05 29 00-0709 Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0593)		
23 05 29 00-0710 EA 3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	54.49	10.74
For Work In Restricted Working Space, Add	6.48	
23 05 29 00-0711 EA 3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	55.97	11.04
For Work In Restricted Working Space, Add	6.66	
23 05 29 00-0712 EA 3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	57.46	11.48
For Work In Restricted Working Space, Add	6.84	
23 05 29 00-0713 EA 3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	58.39	11.92
For Work In Restricted Working Space, Add	7.12	
23 05 29 00-0714 EA 3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	61.06	12.36
For Work In Restricted Working Space, Add	7.40	
23 05 29 00-0715 EA 3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	64.70	13.24
For Work In Restricted Working Space, Add	7.95	
23 05 29 00-0716 EA 3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	67.41	14.13
For Work In Restricted Working Space, Add	8.50	
23 05 29 00-0717 EA 3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	71.92	15.16
For Work In Restricted Working Space, Add	9.05	
23 05 29 00-0718 EA 1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	68.90	11.93
For Work In Restricted Working Space, Add	7.16	
23 05 29 00-0719 EA 1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	70.43	12.22
For Work In Restricted Working Space, Add	7.35	
23 05 29 00-0720 EA 1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	71.99	12.51
For Work In Restricted Working Space, Add	7.55	
23 05 29 00-0721 EA 1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	73.87	13.10
For Work In Restricted Working Space, Add	7.85	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0722 EA 1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	76.59	13.55
<i>For Work In Restricted Working Space, Add</i>	8.13	
23 05 29 00-0723 EA 1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	82.10	14.57
<i>For Work In Restricted Working Space, Add</i>	8.72	
23 05 29 00-0724 EA 1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	86.72	15.46
<i>For Work In Restricted Working Space, Add</i>	9.31	
23 05 29 00-0725 EA 1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	92.22	16.48
<i>For Work In Restricted Working Space, Add</i>	9.90	
23 05 29 00-0726 EA 5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	90.24	13.25
<i>For Work In Restricted Working Space, Add</i>	7.99	
23 05 29 00-0727 EA 5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	92.67	13.69
<i>For Work In Restricted Working Space, Add</i>	8.19	
23 05 29 00-0728 EA 5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	95.13	13.98
<i>For Work In Restricted Working Space, Add</i>	8.39	
23 05 29 00-0729 EA 5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	97.04	14.57
<i>For Work In Restricted Working Space, Add</i>	8.70	
23 05 29 00-0730 EA 5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	100.70	15.02
<i>For Work In Restricted Working Space, Add</i>	9.00	
23 05 29 00-0731 EA 5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	107.16	16.04
<i>For Work In Restricted Working Space, Add</i>	9.61	
23 05 29 00-0732 EA 5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	113.61	17.08
<i>For Work In Restricted Working Space, Add</i>	10.22	
23 05 29 00-0733 EA 5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	119.19	18.10
<i>For Work In Restricted Working Space, Add</i>	10.83	
23 05 29 00-0734 EA 3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	112.78	15.02
<i>For Work In Restricted Working Space, Add</i>	9.05	
23 05 29 00-0735 EA 3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	116.17	15.46
<i>For Work In Restricted Working Space, Add</i>	9.26	
23 05 29 00-0736 EA 3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	118.61	15.75
<i>For Work In Restricted Working Space, Add</i>	9.47	
23 05 29 00-0737 EA 3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	122.32	16.34
<i>For Work In Restricted Working Space, Add</i>	9.78	
23 05 29 00-0738 EA 3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	127.79	16.79
<i>For Work In Restricted Working Space, Add</i>	10.09	
23 05 29 00-0739 EA 3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	136.05	17.81
<i>For Work In Restricted Working Space, Add</i>	10.72	
23 05 29 00-0740 EA 3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	144.35	18.85
<i>For Work In Restricted Working Space, Add</i>	11.35	
23 05 29 00-0741 EA 3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	153.53	20.02
<i>For Work In Restricted Working Space, Add</i>	11.97	
23 05 29 00-0742 EA 7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	134.96	17.37
<i>For Work In Restricted Working Space, Add</i>	10.46	
23 05 29 00-0743 EA 7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	139.23	17.81
<i>For Work In Restricted Working Space, Add</i>	10.68	
23 05 29 00-0744 EA 7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	142.62	18.10
<i>For Work In Restricted Working Space, Add</i>	10.90	
23 05 29 00-0745 EA 7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	146.35	18.70
<i>For Work In Restricted Working Space, Add</i>	11.22	
23 05 29 00-0746 EA 7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	152.79	19.28
<i>For Work In Restricted Working Space, Add</i>	11.55	
23 05 29 00-0747 EA 7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	163.80	20.32
<i>For Work In Restricted Working Space, Add</i>	12.20	
23 05 29 00-0748 EA 7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	173.94	21.49
<i>For Work In Restricted Working Space, Add</i>	12.86	
23 05 29 00-0749 EA 7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	184.96	22.52
<i>For Work In Restricted Working Space, Add</i>	13.51	
23 05 29 00-0750 EA 1" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	170.84	20.76
<i>For Work In Restricted Working Space, Add</i>	12.47	
23 05 29 00-0751 EA 1" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	175.20	21.20
<i>For Work In Restricted Working Space, Add</i>	12.71	
23 05 29 00-0752 EA 1" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	179.56	21.64
<i>For Work In Restricted Working Space, Add</i>	12.95	
23 05 29 00-0753 EA 1" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	184.34	22.23
<i>For Work In Restricted Working Space, Add</i>	13.32	
23 05 29 00-0754 EA 1" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	192.61	22.82
<i>For Work In Restricted Working Space, Add</i>	13.69	
23 05 29 00-0755 EA 1" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	205.71	24.00
<i>For Work In Restricted Working Space, Add</i>	14.43	
23 05 29 00-0756 EA 1" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	218.82	25.32
<i>For Work In Restricted Working Space, Add</i>	15.17	
23 05 29 00-0757 EA 1" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	232.71	26.50
<i>For Work In Restricted Working Space, Add</i>	15.90	
23 05 29 00-0758 Attachments <small>(23 05 29 00-0592)</small>		
23 05 29 00-0759 Welded Beam Attachments (B-Line B-3083) <small>(23 05 29 00-0758)</small>		
Note: Type 22.		
23 05 29 00-0760 EA 3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	54.56	13.70
<i>For Work In Restricted Working Space, Add</i>	8.22	
23 05 29 00-0761 EA 1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	58.15	14.39
<i>For Work In Restricted Working Space, Add</i>	8.66	
23 05 29 00-0762 EA 5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	61.86	15.21
<i>For Work In Restricted Working Space, Add</i>	9.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0763 EA 3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	77.74	16.18
<i>For Work In Restricted Working Space, Add</i>	9.68	
23 05 29 00-0764 EA 7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	92.46	17.14
<i>For Work In Restricted Working Space, Add</i>	10.28	
23 05 29 00-0765 EA 1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	128.02	19.60
<i>For Work In Restricted Working Space, Add</i>	11.75	
23 05 29 00-0766 EA 1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	178.68	20.57
<i>For Work In Restricted Working Space, Add</i>	12.34	
23 05 29 00-0767 C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0758)		
Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0768 EA 3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	21.72	7.50
<i>For Work In Restricted Working Space, Add</i>	5.52	
23 05 29 00-0769 EA 1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	25.38	9.56
<i>For Work In Restricted Working Space, Add</i>	5.89	
23 05 29 00-0770 EA 5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	28.51	10.31
<i>For Work In Restricted Working Space, Add</i>	6.31	
23 05 29 00-0771 EA 3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	35.62	11.04
<i>For Work In Restricted Working Space, Add</i>	6.80	
23 05 29 00-0772 EA 7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	49.73	11.78
<i>For Work In Restricted Working Space, Add</i>	7.36	
23 05 29 00-0773 Bottom Mount I-Beam Clamps (B-Line B-3055) (23 05 29 00-0758)		
Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0774 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	53.68	10.31
<i>For Work In Restricted Working Space, Add</i>	7.36	
23 05 29 00-0775 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	76.73	13.25
<i>For Work In Restricted Working Space, Add</i>	8.03	
23 05 29 00-0776 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	107.57	14.72
<i>For Work In Restricted Working Space, Add</i>	8.83	
23 05 29 00-0777 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	128.17	16.19
<i>For Work In Restricted Working Space, Add</i>	9.82	
23 05 29 00-0778 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	300.36	17.66
<i>For Work In Restricted Working Space, Add</i>	11.04	
23 05 29 00-0779 Steel U-Bolts (B-Line B-3188) (23 05 29 00-0758)		
Note: Type 24. Includes plate and nuts.		
23 05 29 00-0780 EA 1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	17.64	3.68
<i>For Work In Restricted Working Space, Add</i>	4.42	
23 05 29 00-0781 EA 3/4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	19.03	4.41
<i>For Work In Restricted Working Space, Add</i>	4.65	
23 05 29 00-0782 EA 1" Pipe Size, Steel U-Bolt (B-Line B-3188).....	20.40	4.41
<i>For Work In Restricted Working Space, Add</i>	4.91	
23 05 29 00-0783 EA 1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	22.89	4.41
<i>For Work In Restricted Working Space, Add</i>	5.19	
23 05 29 00-0784 EA 1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	23.77	5.15
<i>For Work In Restricted Working Space, Add</i>	5.52	
23 05 29 00-0785 EA 2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	25.42	5.15
<i>For Work In Restricted Working Space, Add</i>	5.89	
23 05 29 00-0786 EA 2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	34.91	5.15
<i>For Work In Restricted Working Space, Add</i>	6.31	
23 05 29 00-0787 EA 3" Pipe Size, Steel U-Bolt (B-Line B-3188).....	38.36	5.88
<i>For Work In Restricted Working Space, Add</i>	6.79	
23 05 29 00-0788 EA 4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	45.67	6.63
<i>For Work In Restricted Working Space, Add</i>	7.36	
23 05 29 00-0789 Copper Standoff Brackets With Flange (23 05 29 00-0758)		
Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0790 EA Clamp Size 1/2", Copper Standoff Brackets With Flange.....	43.57	21.05
<i>For Work In Restricted Working Space, Add</i>	12.62	
23 05 29 00-0791 EA Clamp Size 3/4", Copper Standoff Brackets With Flange.....	43.66	21.05
<i>For Work In Restricted Working Space, Add</i>	12.62	
23 05 29 00-0792 EA Clamp Size 1", Copper Standoff Brackets With Flange.....	43.75	21.05
<i>For Work In Restricted Working Space, Add</i>	12.62	
23 05 29 00-0793 EA Clamp Size 1 1/4", Copper Standoff Brackets With Flange.....	46.47	22.38
<i>For Work In Restricted Working Space, Add</i>	13.38	
23 05 29 00-0794 EA Clamp Size 1 1/2", Copper Standoff Brackets With Flange.....	46.66	22.38
<i>For Work In Restricted Working Space, Add</i>	13.38	
23 05 29 00-0795 Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0758)		
Note: Type 16.		
23 05 29 00-0796 EA 3/8" Rod Size, Malleable Iron Eye Socket.....	11.82	2.21
<i>For Work In Restricted Working Space, Add</i>	1.34	
23 05 29 00-0797 EA 1/2" Rod Size, Malleable Iron Eye Socket.....	15.10	2.95
<i>For Work In Restricted Working Space, Add</i>	1.76	
23 05 29 00-0798 EA 5/8" Rod Size, Malleable Iron Eye Socket.....	24.88	2.95
<i>For Work In Restricted Working Space, Add</i>	1.78	
23 05 29 00-0799 EA 3/4" Rod Size, Malleable Iron Eye Socket.....	34.42	2.95
<i>For Work In Restricted Working Space, Add</i>	1.76	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0800	EA		7/8" Rod Size, Malleable Iron Eye Socket..... <i>For Work In Restricted Working Space, Add</i>	37.44 2.21	3.68
23 05 29 00-0801			Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0758) Note: Type 17.		
23 05 29 00-0802	EA		3/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	35.87 1.34	2.21
23 05 29 00-0803	EA		1/2" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	37.28 1.76	2.95
23 05 29 00-0804	EA		5/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	37.34 1.78	2.95
23 05 29 00-0805	EA		3/4" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	37.28 1.76	2.95
23 05 29 00-0806	EA		7/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	71.43 1.99	3.24
23 05 29 00-0807	EA		1" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	72.16 2.21	3.68
23 05 29 00-0808			Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0758) Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0809	EA		3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	27.03 4.11	6.86
23 05 29 00-0810	EA		1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	32.18 4.54	7.54
23 05 29 00-0811	EA		5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	38.56 4.99	8.22
23 05 29 00-0812	EA		3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	51.62 5.24	8.91
23 05 29 00-0813	EA		7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	77.64 6.17	10.28
23 05 29 00-0814	EA		3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	28.27 4.11	6.86
23 05 29 00-0815	EA		1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	33.93 4.54	7.54
23 05 29 00-0816	EA		5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	38.56 4.99	8.22
23 05 29 00-0817	EA		3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	56.22 5.24	8.91
23 05 29 00-0818	EA		7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	85.50 6.17	10.28
23 05 29 00-0819	EA		3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	31.15 4.11	6.86
23 05 29 00-0820	EA		1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	37.17 4.54	7.54
23 05 29 00-0821	EA		5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	46.14 4.99	8.22
23 05 29 00-0822	EA		3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	64.82 5.24	8.91
23 05 29 00-0823	EA		7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	102.32 6.17	10.28
23 05 29 00-0824			Side Beam Brackets (B-Line B-3062) (23 05 29 00-0758) Note: Type 34.		
23 05 29 00-0825	EA		3/8" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	23.77 5.52	9.56
23 05 29 00-0826	EA		1/2" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	27.60 5.89	9.56
23 05 29 00-0827	EA		5/8" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	34.62 6.31	10.31
23 05 29 00-0828	EA		3/4" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	57.80 6.80	11.04
23 05 29 00-0829	EA		7/8" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	67.15 7.36	12.51
23 05 29 00-0830			Hex Lag Bolts (23 05 29 00-0758) Note: Also known as coach screws.		
23 05 29 00-0831	EA		3/8" x 3-1/2" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.67 0.92	
23 05 29 00-0832	EA		3/8" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.74 0.95	
23 05 29 00-0833	EA		3/8" x 6" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.11 0.99	
23 05 29 00-0834	EA		3/8" x 8" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.75 1.02	
23 05 29 00-0835	EA		3/8" x 10" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	5.03 1.06	
23 05 29 00-0836	EA		3/8" x 12" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	6.08 1.10	
23 05 29 00-0837	EA		1/2" x 3-1/2" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.83 1.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0838 EA 1/2" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.93 1.15	
23 05 29 00-0839 EA 1/2" x 6" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	5.57 1.20	
23 05 29 00-0840 EA 1/2" x 8" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	6.29 1.25	
23 05 29 00-0841 EA 1/2" x 10" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	7.22 1.31	
23 05 29 00-0842 EA 1/2" x 12" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	7.70 1.38	
23 05 29 00-0843 EA 5/8" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	6.33 1.23	
23 05 29 00-0844 EA 3/4" x 5" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	7.19 1.25	
23 05 29 00-0845 Hanger Strap <small>(23 05 29 00-0592)</small>		
23 05 29 00-0846 LF 3/4" Wide x 0.025" Thick Galvanized Hanger Strap.....	7.05	
23 05 29 00-0847 Shields And Saddles <small>(23 05 29)</small>		
23 05 29 00-0848 Insulation Protection Shield <small>(23 05 29 00-0847)</small>		
<i>Note: Type 40.</i>		
23 05 29 00-0849 Insulation Protection Shield (Cooper B-Line B3151) <small>(23 05 29 00-0848)</small>		
23 05 29 00-0850 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	17.24 3.53	3.53
23 05 29 00-0851 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	17.49 3.58	3.58
23 05 29 00-0852 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	17.86 3.62	3.62
23 05 29 00-0853 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	18.53 3.67	3.66
23 05 29 00-0854 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	20.11 3.75	3.75
23 05 29 00-0855 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	23.59 3.84	3.84
23 05 29 00-0856 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	26.74 3.93	3.93
23 05 29 00-0857 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	31.68 4.02	4.02
23 05 29 00-0858 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	39.26 4.07	4.06
23 05 29 00-0859 EA 14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	42.34 4.11	4.10
23 05 29 00-0860 EA 16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	56.35 4.15	4.15
23 05 29 00-0861 EA 18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	62.70 4.19	4.19
23 05 29 00-0862 EA 20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	111.74 4.24	4.24
23 05 29 00-0863 EA 24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	121.10 4.33	4.32
23 05 29 00-0864 EA 30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	145.32 4.42	4.42
23 05 29 00-0865 Insulation Protection Shield (Cooper B-Line B3154) <small>(23 05 29 00-0848)</small>		
23 05 29 00-0866 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	15.74 3.53	3.53
23 05 29 00-0867 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	15.96 3.58	3.58
23 05 29 00-0868 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	16.27 3.62	3.62
23 05 29 00-0869 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	16.80 3.67	3.66
23 05 29 00-0870 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	18.02 3.75	3.75
23 05 29 00-0871 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	20.62 3.84	3.84
23 05 29 00-0872 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	21.91 3.93	3.93
23 05 29 00-0873 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	26.66 4.02	4.02
23 05 29 00-0874 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	31.01 4.07	4.06
23 05 29 00-0875 Pipe Covering Protection Saddle <small>(23 05 29 00-0847)</small>		
<i>Note: Sizes are pipe sizes.</i>		
23 05 29 00-0876 Saddle, For 1" Insulation (Cooper B-Line B3160) <small>(23 05 29 00-0875)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0877 EA 3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	25.73	4.85
<i>For Work In Restricted Working Space, Add</i>	4.85	
23 05 29 00-0878 EA 1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	25.86	4.89
<i>For Work In Restricted Working Space, Add</i>	4.89	
23 05 29 00-0879 EA 1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	25.99	4.94
<i>For Work In Restricted Working Space, Add</i>	4.93	
23 05 29 00-0880 EA 1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	27.07	5.02
<i>For Work In Restricted Working Space, Add</i>	5.02	
23 05 29 00-0881 EA 2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	27.21	5.06
<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0882 EA 2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	28.01	5.14
<i>For Work In Restricted Working Space, Add</i>	5.14	
23 05 29 00-0883 EA 3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	30.54	5.22
<i>For Work In Restricted Working Space, Add</i>	5.22	
23 05 29 00-0884 EA 4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	33.60	5.30
<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0885 EA 6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	37.16	5.46
<i>For Work In Restricted Working Space, Add</i>	5.47	
23 05 29 00-0886 EA 8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	44.02	5.68
<i>For Work In Restricted Working Space, Add</i>	5.68	
23 05 29 00-0887 EA 10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	48.47	5.76
<i>For Work In Restricted Working Space, Add</i>	5.76	
23 05 29 00-0888 EA 12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	56.29	5.76
<i>For Work In Restricted Working Space, Add</i>	5.88	
23 05 29 00-0889 EA 14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	60.90	5.96
<i>For Work In Restricted Working Space, Add</i>	5.96	
23 05 29 00-0890 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0875)		
23 05 29 00-0891 EA 3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	28.27	4.85
<i>For Work In Restricted Working Space, Add</i>	4.85	
23 05 29 00-0892 EA 1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	28.40	4.89
<i>For Work In Restricted Working Space, Add</i>	4.89	
23 05 29 00-0893 EA 1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	28.53	4.94
<i>For Work In Restricted Working Space, Add</i>	4.93	
23 05 29 00-0894 EA 1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	29.44	5.02
<i>For Work In Restricted Working Space, Add</i>	5.02	
23 05 29 00-0895 EA 2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	31.35	5.06
<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0896 EA 2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	33.40	5.14
<i>For Work In Restricted Working Space, Add</i>	5.14	
23 05 29 00-0897 EA 3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	33.95	5.22
<i>For Work In Restricted Working Space, Add</i>	5.22	
23 05 29 00-0898 EA 4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	37.80	5.22
<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0899 EA 6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	41.91	5.46
<i>For Work In Restricted Working Space, Add</i>	5.47	
23 05 29 00-0900 EA 8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	48.68	5.68
<i>For Work In Restricted Working Space, Add</i>	5.68	
23 05 29 00-0901 EA 10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	53.98	5.76
<i>For Work In Restricted Working Space, Add</i>	5.76	
23 05 29 00-0902 EA 12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	63.09	5.88
<i>For Work In Restricted Working Space, Add</i>	5.88	
23 05 29 00-0903 EA 14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161).....	68.52	5.96
<i>For Work In Restricted Working Space, Add</i>	5.96	
23 05 29 00-0904 Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0875)		
23 05 29 00-0905 EA 3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	30.12	5.10
<i>For Work In Restricted Working Space, Add</i>	5.10	
23 05 29 00-0906 EA 1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	30.27	5.14
<i>For Work In Restricted Working Space, Add</i>	5.14	
23 05 29 00-0907 EA 1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	31.59	5.18
<i>For Work In Restricted Working Space, Add</i>	5.18	
23 05 29 00-0908 EA 1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	32.46	5.26
<i>For Work In Restricted Working Space, Add</i>	5.26	
23 05 29 00-0909 EA 2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	33.20	5.30
<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0910 EA 2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	33.47	5.40
<i>For Work In Restricted Working Space, Add</i>	5.39	
23 05 29 00-0911 EA 3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	35.12	5.48
<i>For Work In Restricted Working Space, Add</i>	5.47	
23 05 29 00-0912 EA 4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	36.75	5.57
<i>For Work In Restricted Working Space, Add</i>	5.55	
23 05 29 00-0913 EA 6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	45.30	5.74
<i>For Work In Restricted Working Space, Add</i>	5.76	
23 05 29 00-0914 EA 8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	50.68	5.96
<i>For Work In Restricted Working Space, Add</i>	5.96	
23 05 29 00-0915 EA 10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	52.97	6.04
<i>For Work In Restricted Working Space, Add</i>	6.05	
23 05 29 00-0916 EA 12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	69.15	6.17
<i>For Work In Restricted Working Space, Add</i>	6.17	
23 05 29 00-0917 EA 14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	75.88	6.27
<i>For Work In Restricted Working Space, Add</i>	6.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0918 EA 16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	82.90 6.41	6.41
23 05 29 00-0919 EA 18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	89.92 6.58	6.58
23 05 29 00-0920 EA 20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	98.06 6.74	6.75
23 05 29 00-0921 EA 24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	111.35 6.91	6.91
23 05 29 00-0922 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0875)		
23 05 29 00-0923 EA 1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	33.29 5.31	5.30
23 05 29 00-0924 EA 1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	34.89 5.39	5.38
23 05 29 00-0925 EA 2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	35.69 5.43	5.44
23 05 29 00-0926 EA 2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	36.64 5.51	5.53
23 05 29 00-0927 EA 3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	37.04 5.63	5.62
23 05 29 00-0928 EA 4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	42.10 5.72	5.70
23 05 29 00-0929 EA 6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	47.43 5.88	5.88
23 05 29 00-0930 EA 8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	54.38 6.09	6.10
23 05 29 00-0931 EA 10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	57.92 6.21	6.20
23 05 29 00-0932 EA 12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	70.93 6.33	6.32
23 05 29 00-0933 EA 14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	82.96 6.41	6.41
23 05 29 00-0934 EA 16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	95.25 6.58	6.56
23 05 29 00-0935 EA 18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	100.91 6.74	6.73
23 05 29 00-0936 EA 20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	107.19 6.91	6.91
23 05 29 00-0937 EA 24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	113.46 7.07	7.07
23 05 29 00-0938 Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0875)		
23 05 29 00-0939 EA 2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	36.85 5.55	5.57
23 05 29 00-0940 EA 2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) <i>For Work In Restricted Working Space, Add</i>	39.79 5.68	5.66
23 05 29 00-0941 EA 3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	41.32 5.76	5.74
23 05 29 00-0942 EA 4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	42.86 5.84	5.84
23 05 29 00-0943 EA 6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	48.46 6.01	6.01
23 05 29 00-0944 EA 8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	59.38 6.25	6.24
23 05 29 00-0945 EA 10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	63.87 6.33	6.33
23 05 29 00-0946 EA 12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	81.19 6.46	6.47
23 05 29 00-0947 EA 14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	95.71 6.58	6.56
23 05 29 00-0948 EA 16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	110.26 6.71	6.72
23 05 29 00-0949 EA 18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	112.45 6.91	6.90
23 05 29 00-0950 EA 20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	114.53 7.07	7.06
23 05 29 00-0951 EA 24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	143.50 7.24	7.24
23 05 29 00-0952 Saddle, For 4" Insulation (Cooper B-Line B3165) (23 05 29 00-0875)		
23 05 29 00-0953 EA 2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	40.93 5.68	5.69
23 05 29 00-0954 EA 2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	44.36 5.80	5.78
23 05 29 00-0955 EA 3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	46.15 5.88	5.88
23 05 29 00-0956 EA 4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	48.02 5.96	5.96
23 05 29 00-0957 EA 6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	57.44 6.17	6.16

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0958	EA		8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	66.84 6.38	6.39
23 05 29 00-0959	EA		10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	68.99 6.50	6.48
23 05 29 00-0960	EA		12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	86.43 6.62	6.62
23 05 29 00-0961	EA		14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	103.52 6.71	6.71
23 05 29 00-0962	EA		16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	120.88 6.87	6.88
23 05 29 00-0963	EA		18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	146.40 7.03	7.04
23 05 29 00-0964	EA		20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	171.84 7.24	7.22
23 05 29 00-0965	EA		24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	183.47 7.40	7.40
23 05 29 00-0966	EA		30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	192.89 7.61	7.59
23 05 29 00-0967	EA		36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	199.88 7.77	7.78
23 05 29 00-0968			Adjustable Pipe Saddle Support (Cooper B-Line B3096) (23 05 29 00-0847)		
23 05 29 00-0969	EA		2" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	90.44	18.40
23 05 29 00-0970	EA		3" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	96.96	21.34
23 05 29 00-0971	EA		4" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	117.10	24.29
23 05 29 00-0972	EA		5" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	122.75	26.50
23 05 29 00-0973	EA		6" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	136.24	29.44
23 05 29 00-0974	EA		8" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	157.29	36.80
23 05 29 00-0975	EA		10" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	206.38	49.31
23 05 29 00-0976	EA		12" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	264.42	73.60
23 05 29 00-0977			Pipe Stanchion Support (Cooper B-Line B3090) (23 05 29 00-0847)		
23 05 29 00-0978	EA		2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	108.77	18.40
23 05 29 00-0979	EA		3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	114.03	21.34
23 05 29 00-0980	EA		3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	122.39	22.82
23 05 29 00-0981	EA		4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	125.83	24.29
23 05 29 00-0982	EA		5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	132.80	26.50
23 05 29 00-0983	EA		6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	141.77	29.44
23 05 29 00-0984	EA		8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	179.60	36.80
23 05 29 00-0985	EA		10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	241.87	49.31
23 05 29 00-0986	EA		12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	323.18	73.60
23 05 29 00-0987			Pipe Saddle Support (Cooper B-Line B3095) (23 05 29 00-0847)		
23 05 29 00-0988	EA		2-1/2" Pipe Saddle Support (Cooper B-Line B3095).....	62.31	18.40
23 05 29 00-0989	EA		3" Pipe Saddle Support (Cooper B-Line B3095).....	67.57	21.34
23 05 29 00-0990	EA		3-1/2" Pipe Saddle Support (Cooper B-Line B3095).....	95.44	22.82
23 05 29 00-0991	EA		4" Pipe Saddle Support (Cooper B-Line B3095).....	98.88	24.29
23 05 29 00-0992	EA		5" Pipe Saddle Support (Cooper B-Line B3095).....	108.37	26.50
23 05 29 00-0993	EA		6" Pipe Saddle Support (Cooper B-Line B3095).....	120.19	29.44
23 05 29 00-0994	EA		8" Pipe Saddle Support (Cooper B-Line B3095).....	140.04	36.80
23 05 29 00-0995	EA		10" Pipe Saddle Support (Cooper B-Line B3095).....	167.81	49.31
23 05 29 00-0996	EA		12" Pipe Saddle Support (Cooper B-Line B3095).....	220.38	73.60
23 05 29 00-0997			360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0847)		
			Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-0998			1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0997)		
23 05 29 00-0999	EA		1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.42	8.92
23 05 29 00-1000	EA		3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.67	8.92
23 05 29 00-1001	EA		1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.74	8.92
23 05 29 00-1002	EA		1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.99	8.92
23 05 29 00-1003	EA		1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.38	9.47
23 05 29 00-1004	EA		2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.28	9.75
23 05 29 00-1005	EA		2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.31	10.16
23 05 29 00-1006	EA		3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.44	10.57
23 05 29 00-1007	EA		4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.26	10.98
23 05 29 00-1008	EA		6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.48	9.47
23 05 29 00-1009	EA		8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.46	12.35
23 05 29 00-1010	EA		10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	46.60	14.55
23 05 29 00-1011	EA		12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	53.33	16.89
23 05 29 00-1012	EA		14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	59.07	17.43
23 05 29 00-1013			1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0997)		



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1085			3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0997)</small>		
23 05 29 00-1086	EA		1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.60	8.92
23 05 29 00-1087	EA		3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.74	10.84
23 05 29 00-1088	EA		1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.78	10.84
23 05 29 00-1089	EA		1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.40	10.98
23 05 29 00-1090	EA		1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.21	11.12
23 05 29 00-1091	EA		2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.37	11.54
23 05 29 00-1092	EA		2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.04	11.94
23 05 29 00-1093	EA		3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.53	12.35
23 05 29 00-1094	EA		4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.98	13.05
23 05 29 00-1095	EA		6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	45.67	14.83
23 05 29 00-1096	EA		8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	58.00	16.48
23 05 29 00-1097	EA		10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	68.71	18.95
23 05 29 00-1098	EA		12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	79.91	23.62
23 05 29 00-1099	EA		14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	89.55	25.81
23 05 29 00-1100	EA		16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	107.76	32.95
23 05 29 00-1101	EA		18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	115.11	34.60
23 05 29 00-1102	EA		20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	130.97	39.54
23 05 29 00-1103	EA		24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	155.12	47.78
23 05 29 00-1104			4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0997)</small>		
23 05 29 00-1105	EA		1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.15	12.08
23 05 29 00-1106	EA		3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.48	12.08
23 05 29 00-1107	EA		1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.56	12.22
23 05 29 00-1108	EA		1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.41	12.35
23 05 29 00-1109	EA		1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.99	12.35
23 05 29 00-1110	EA		2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.04	13.18
23 05 29 00-1111	EA		2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.40	13.32
23 05 29 00-1112	EA		3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.22	13.87
23 05 29 00-1113	EA		4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.95	14.68
23 05 29 00-1114	EA		6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.35	16.62
23 05 29 00-1115	EA		8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	64.23	17.98
23 05 29 00-1116	EA		10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	77.32	21.41
23 05 29 00-1117	EA		12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	89.93	26.63
23 05 29 00-1118	EA		14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	100.77	28.97
23 05 29 00-1119	EA		16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	121.30	37.06
23 05 29 00-1120	EA		18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	129.44	38.85
23 05 29 00-1121	EA		20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	145.96	44.48
23 05 29 00-1122	EA		24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	174.54	53.82
23 05 29 00-1123	EA		26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	200.40	63.29
23 05 29 00-1124	EA		28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	229.79	74.68
23 05 29 00-1125	EA		30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	262.43	88.28
23 05 29 00-1126	EA		42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	382.08	136.33
23 05 29 00-1127	EA		44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	413.60	150.06
23 05 29 00-1128	EA		46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	442.10	161.99
23 05 29 00-1129			Equipment Housekeeping Pads <small>(23 05 29)</small>		
23 05 29 00-1130			Molded Plastic Condenser Pad <small>(23 05 29 00-1129)</small>		
23 05 29 00-1131	EA		30" Round Molded Plastic Pad.....	146.17	18.40
23 05 29 00-1132	EA		30" Octagon Molded Plastic Pad.....	153.36	18.40
23 05 29 00-1133	EA		30" x 30" Molded Plastic Pad.....	146.17	18.40
23 05 29 00-1134	EA		36" x 36" Molded Plastic Pad.....	189.28	18.40
23 05 29 00-1135	EA		36" x 48" Molded Plastic Pad.....	269.93	18.40
23 05 29 00-1136			Inertia Base <small>(23 05 29 00-1129)</small>		
			Note: Includes spring isolators.		
23 05 29 00-1137	EA		Up To 12 SF Inertia Base, 8" Thick With Spring Base.....	1,953.55	
23 05 29 00-1138	EA		>12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	2,358.08	
23 05 29 00-1139	EA		>16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	2,700.83	
23 05 29 00-1140	EA		>20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	3,084.77	
23 05 29 00-1141			Hanger Assemblies <small>(23 05 29)</small>		
			Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1142	EA		1/2" Standard Duty Clevis Pipe Hanger Assembly.....	59.69	22.88
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	14.72	
23 05 29 00-1143	EA		3/4" Standard Duty Clevis Pipe Hanger Assembly.....	62.41	24.24
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	15.54	
23 05 29 00-1144	EA		1" Standard Duty Clevis Pipe Hanger Assembly.....	64.49	25.63
			Note: Includes hanger, rod, nuts, washers and clamp.		
			<i>For Work In Restricted Working Space, Add</i>	16.15	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 29 00-1145	EA		1-1/4" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	65.54	25.67
				<i>For Work In Restricted Working Space, Add</i>	16.39	
	23 05 29 00-1146	EA		1-1/2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	65.75	25.67
				<i>For Work In Restricted Working Space, Add</i>	16.39	
	23 05 29 00-1147	EA		2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	66.97	25.89
				<i>For Work In Restricted Working Space, Add</i>	16.63	
	23 05 29 00-1148	EA		2-1/2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	71.08	25.51
				<i>For Work In Restricted Working Space, Add</i>	15.59	
	23 05 29 00-1149	EA		3" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	72.94	26.24
				<i>For Work In Restricted Working Space, Add</i>	15.83	
	23 05 29 00-1150	EA		4" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	86.78	29.63
				<i>For Work In Restricted Working Space, Add</i>	17.48	
	23 05 29 00-1151	EA		6" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	126.32	38.28
				<i>For Work In Restricted Working Space, Add</i>	22.97	
	23 05 29 00-1152	EA		8" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	145.47	44.41
				<i>For Work In Restricted Working Space, Add</i>	26.64	
	23 05 29 00-1153	EA		10" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	197.60	56.41
				<i>For Work In Restricted Working Space, Add</i>	33.43	
	23 05 29 00-1154	EA		12" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	215.88	60.71
				<i>For Work In Restricted Working Space, Add</i>	36.49	
	23 05 29 00-1155			Steel Shapes For Hanger Devices (23 05 29)		
	23 05 29 00-1156			Angle Iron For Hanger Devices (23 05 29 00-1155)		
	23 05 29 00-1157	LF		1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	3.46	2.14
	23 05 29 00-1158	LF		3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	4.51	2.67
	23 05 29 00-1159	LF		1" x 1" x 1/8" Angle Iron For Hanger Devices	5.55	3.20
	23 05 29 00-1160	LF		1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	7.69	3.98
	23 05 29 00-1161	LF		1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	8.59	4.27
	23 05 29 00-1162	LF		2" x 2" x 1/4" Angle Iron For Hanger Devices	11.53	4.80
	23 05 29 00-1163	LF		2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	14.36	5.85
	23 05 29 00-1164	LF		3" x 2" x 3/8" Angle Iron For Hanger Devices	18.62	6.86
	23 05 29 00-1165	LF		3" x 3" x 3/8" Angle Iron For Hanger Devices	22.24	8.01
	23 05 29 00-1166			Channels For Hanger Devices (23 05 29 00-1155)		
	23 05 29 00-1167	LF		C2 x 1.78, 2" Wide Channels For Hanger Devices	9.29	4.86
	23 05 29 00-1168	LF		C3 x 4.1, 3" Wide Channels For Hanger Devices	15.91	6.98
	23 05 29 00-1169	LF		C4 x 5.4, 4" Wide Channels For Hanger Devices	19.86	8.37
	23 05 29 00-1170	LF		C5 x 6.7, 5" Wide Channels For Hanger Devices	23.81	9.76
	23 05 29 00-1171	LF		C6 x 8.2, 6" Wide Channels For Hanger Devices	28.83	11.73
	23 05 29 00-1172	LF		C7 x 9.8, 7" Wide Channels For Hanger Devices	34.38	13.95
	23 05 29 00-1173	LF		C8 x 11.5, 8" Wide Channels For Hanger Devices	38.98	15.36
	23 05 29 00-1174			Structural Bar Tees For Hanger Devices (23 05 29 00-1155)		
	23 05 29 00-1175	LF		3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices.....	10.34	6.82
	23 05 29 00-1176	LF		1" x 1" x 1/8" Structural Bar Tee For Hanger Devices.....	12.44	8.07
	23 05 29 00-1177	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	17.79	9.31
	23 05 29 00-1178	LF		2" x 2" x 1/4" Structural Bar Tee For Hanger Devices.....	22.92	12.40
	23 05 29 00-1179	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	31.41	14.89
	23 05 29 00-1180	LF		3" x 3" x 3/8" Structural Bar Tee For Hanger Devices.....	39.41	19.23
	23 05 29 00-1181			Structural Zees For Hanger Devices (23 05 29 00-1155)		
	23 05 29 00-1182	LF		1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices.....	17.81	9.31
	23 05 29 00-1183	LF		2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices.....	21.42	9.31
	23 05 29 00-1184	LF		3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices.....	31.37	9.31
	23 05 29 00-1185	LF		3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices.....	39.66	9.31
	23 05 29 00-1186	LF		3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices.....	48.33	9.31
	23 05 29 00-1187			Junior I-beams For Hanger Devices (23 05 29 00-1155)		
	23 05 29 00-1188	LF		3" I-beam (Junior) For Hanger Devices.....	22.17	13.65
	23 05 29 00-1189	LF		4" I-beam (Junior) For Hanger Devices.....	25.49	14.89
	23 05 29 00-1190	LF		5" I-beam (Junior) For Hanger Devices.....	29.44	16.13
	23 05 29 00-1191	LF		6" I-beam (Junior) For Hanger Devices.....	32.18	17.99
	23 05 29 00-1192	LF		7" I-beam (Junior) For Hanger Devices.....	38.27	19.23
	23 05 29 00-1193	LF		8" I-beam (Junior) For Hanger Devices.....	41.43	20.47

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 33 Heat Tracing for HVAC Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 05 33 Heat Tracing for HVAC Piping (23 05)**

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration and Seismic Controls for HVAC (23 05)**23 05 48 13 Vibration Controls for HVAC (23 05 48)**

23 05 48 13-0001	EA	Unhoused Stable Steel Spring Isolators (23 05 48 13) Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 13-0002	EA	60 LB Unhoused Steel Spring Isolator	122.78	41.20
23 05 48 13-0003	EA	115 LB Unhoused Steel Spring Isolator	129.34	41.20
23 05 48 13-0004	EA	1,130 LB Unhoused Steel Spring Isolator	151.12	41.20
23 05 48 13-0005	EA	Housed Stable Steel Spring Isolators (23 05 48 13) Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only. Mason Industries, Inc.		
23 05 48 13-0006	EA	To 770 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	651.99	41.20
23 05 48 13-0007	EA	To 1,040 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	739.72	41.20
23 05 48 13-0008	EA	To 1,600 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	783.58	41.20
23 05 48 13-0009	EA	To 2,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	959.04	41.20
23 05 48 13-0010	EA	To 3,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	1,002.90	41.20
23 05 48 13-0011	EA	To 730 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	728.75	41.20
23 05 48 13-0012	EA	To 930 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	805.52	41.20
23 05 48 13-0013	EA	To 1,440 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	860.35	41.20
23 05 48 13-0014	EA	To 1,860 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	1,112.56	41.20
23 05 48 13-0015	EA	To 2,880 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	1,211.26	41.20
23 05 48 13-0016	EA	To 3,720 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	1,441.54	41.20
23 05 48 13-0017	EA	Vibration Isolators (23 05 48 13)		
23 05 48 13-0018	EA	Spring And Rubber Hanger For 1" Deflection (23 05 48 13-0017)		
23 05 48 13-0019	EA	50 To 500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	149.37	26.50
23 05 48 13-0020	EA	600 To 1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	301.93	29.44
23 05 48 13-0021	EA	Rubber-In-Shear Isolator Hanger (23 05 48 13-0017)		
23 05 48 13-0022	EA	45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	86.47	22.09
23 05 48 13-0023	EA	130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	111.07	26.50
23 05 48 13-0024	EA	Spring Hanger For 1" Deflection (23 05 48 13-0017)		
23 05 48 13-0025	EA	50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	98.74	26.50
23 05 48 13-0026	EA	Rubber-In-Shear Vibration Isolator (23 05 48 13-0017)		
23 05 48 13-0027	EA	45 To 340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection.....	182.01	50.06
23 05 48 13-0028	EA	130 To 700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection.....	240.12	50.06
23 05 48 13-0029	EA	550 To 1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection.....	439.58	50.06
23 05 48 13-0030	EA	Two-Piece Spring Type Vibration Isolator (23 05 48 13-0017) Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0031	EA	50 To 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	157.51	50.06
23 05 48 13-0032	EA	>1,000 To 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	161.84	50.06
23 05 48 13-0033	EA	Open Double Spring Type Vibration Isolator (23 05 48 13-0017) Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0034	EA	150 To 450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	115.97	25.02
23 05 48 13-0035	EA	500 To 1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	115.97	25.02
23 05 48 13-0036	EA	1,100 To 1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	130.41	25.02
23 05 48 13-0037	EA	1,700 To 2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	130.41	25.02
23 05 48 13-0038	EA	2,500 To 3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	195.71	25.02
23 05 48 13-0039	EA	Isolation Pads (23 05 48 13-0017)		
23 05 48 13-0040	EA	Laminated Neoprene And Cork Isolation Pad (23 05 48 13-0039)		
23 05 48 13-0041	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	8.66	3.68
23 05 48 13-0042	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	10.78	3.83
23 05 48 13-0043	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	13.23	3.97
23 05 48 13-0044	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	48.50	4.57
23 05 48 13-0045	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	91.54	5.15
23 05 48 13-0046	EA	Neoprene And Steel Plate Isolation Pad (23 05 48 13-0039)		
23 05 48 13-0047	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad.....	95.10	3.68
23 05 48 13-0048	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad.....	104.78	3.68



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0049		Neoprene Isolation Pad <small>(23 05 48 13-0039)</small>		
	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....	8.16	3.68
	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....	9.17	3.68
	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....	10.77	3.68
	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad.....	47.74	4.42
	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad.....	86.14	5.15
23 05 48 13-0055		Threaded Flexible Bronze Hose Connectors <small>(23 05 48 13)</small>		
		Note: Includes hex threaded nipple ends.		
	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	84.79	23.55
	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	101.30	32.38
	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	124.10	39.75
	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	144.84	47.11
	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	166.53	61.82
	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	187.94	65.80
	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	249.84	78.02
	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	340.78	121.59
23 05 48 13-0064		Weld End Flexible Hose Connectors <small>(23 05 48 13)</small>		
	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends.....	291.63	84.50
	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends.....	339.43	92.74
	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends.....	381.05	98.19
	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends.....	426.59	111.88
	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends.....	482.40	120.71
	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends.....	606.92	157.07
	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends.....	897.61	176.65
	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends.....	1,103.17	198.73
	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends.....	1,531.95	294.42
23 05 48 13-0074		Flanged Flexible Hose Connectors <small>(23 05 48 13)</small>		
23 05 48 13-0075		Flanged Flexible Molded Rubber Hose Connectors <small>(23 05 48 13-0074)</small>		
		Note: With helical wire reinforcement 150 PSI.		
	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	257.94	110.41
	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	280.05	122.62
	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	469.76	244.96
	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	659.35	364.34
	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	856.65	470.33
	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,054.97	489.08
	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,271.41	558.59
	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,628.23	664.75
	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	4,167.29	831.42
23 05 48 13-0085		Flanged Flexible Corrugated Stainless Steel Hose Connectors <small>(23 05 48 13-0074)</small>		
		Note: With braided metal wire.		
	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	205.31	100.39
	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	211.98	138.08
	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	382.11	184.01
	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	507.46	276.01
	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	547.90	303.69
	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	641.15	367.73
	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	821.03	470.77
	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,116.77	585.71
	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,763.89	782.52
	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	2,071.02	904.85
	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	2,607.16	978.15
23 05 48 13-0097		Flanged Flexible Molded Teflon Hose Connectors <small>(23 05 48 13-0074)</small>		
		Note: 150 PSI.		
	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	1,037.17	213.45
	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	1,166.31	250.26
	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	1,779.47	420.59
	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	2,165.22	489.08
	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	2,820.40	599.93



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0103			Flexible Hose Connectors Braided Metal Hose Type (23 05 48 13)		
23 05 48 13-0104			Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0103)		
			Note: MPT connection.		
23 05 48 13-0105	EA		1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	40.05	2.95
23 05 48 13-0106	EA		1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	47.59	2.95
23 05 48 13-0107	EA		1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	53.28	3.83
23 05 48 13-0108	EA		1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	64.38	3.83
23 05 48 13-0109	EA		3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	53.44	3.53
23 05 48 13-0110	EA		3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	64.20	3.53
23 05 48 13-0111	EA		3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	73.79	4.56
23 05 48 13-0112	EA		3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	90.54	4.56
23 05 48 13-0113	EA		1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	72.61	4.12
23 05 48 13-0114	EA		1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	79.21	4.12
23 05 48 13-0115	EA		1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	94.42	5.45
23 05 48 13-0116	EA		1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	118.92	5.45
23 05 48 13-0117	EA		1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	143.24	5.45
23 05 48 13-0118	EA		1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	167.63	5.45
23 05 48 13-0119	EA		1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	103.12	5.28
23 05 48 13-0120	EA		1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	113.40	5.28
23 05 48 13-0121	EA		1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	144.74	5.28
23 05 48 13-0122	EA		1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	201.09	7.04
23 05 48 13-0123	EA		1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	232.67	7.04
23 05 48 13-0124	EA		1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	274.69	7.04
23 05 48 13-0125	EA		2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	140.75	6.37
23 05 48 13-0126	EA		2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	162.24	6.37
23 05 48 13-0127	EA		2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	203.87	6.37
23 05 48 13-0128	EA		2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	271.88	8.54
23 05 48 13-0129	EA		2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	335.32	8.54
23 05 48 13-0130	EA		2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	398.70	8.54
23 05 48 13-0131	EA		2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	194.80	8.00
23 05 48 13-0132	EA		2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	221.27	7.58
23 05 48 13-0133	EA		2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	248.01	7.58
23 05 48 13-0134	EA		2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	306.22	10.16
23 05 48 13-0135	EA		2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	359.98	10.16
23 05 48 13-0136	EA		2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	412.07	10.16
23 05 48 13-0137	EA		3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	306.24	10.16
23 05 48 13-0138	EA		3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	341.96	10.16
23 05 48 13-0139	EA		3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	735.79	10.16
23 05 48 13-0140	EA		3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	887.00	13.55
23 05 48 13-0141	EA		3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	528.46	13.55
23 05 48 13-0142	EA		3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	598.73	13.55
23 05 48 13-0143	EA		4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	554.96	10.94
23 05 48 13-0144	EA		4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	596.69	10.94
23 05 48 13-0145	EA		4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	638.42	10.94
23 05 48 13-0146	EA		4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	730.63	14.58
23 05 48 13-0147	EA		4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	813.77	14.58
23 05 48 13-0148	EA		4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	898.70	14.58
23 05 48 13-0149			Braided Stainless Steel Flexible Hose Connectors (23 05 48 13-0103)		
			Note: Over braided carbon steel connection.		
23 05 48 13-0150	EA		2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	167.10	6.44
23 05 48 13-0151	EA		2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	201.24	6.44
23 05 48 13-0152	EA		2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	234.74	6.44
23 05 48 13-0153	EA		2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	307.31	8.64
23 05 48 13-0154	EA		2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	375.22	8.64
23 05 48 13-0155	EA		2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	443.04	8.64
23 05 48 13-0156	EA		2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	189.58	7.58
23 05 48 13-0157	EA		2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	225.27	7.58
23 05 48 13-0158	EA		2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	261.11	7.58
23 05 48 13-0159	EA		2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	338.41	10.16
23 05 48 13-0160	EA		2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	409.81	10.16
23 05 48 13-0161	EA		2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	480.22	10.16
23 05 48 13-0162	EA		4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	202.20	10.16
23 05 48 13-0163	EA		4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	243.08	10.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0164 LF 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	284.54	10.16
23 05 48 13-0165 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	376.88	13.55
23 05 48 13-0166 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	459.35	13.55
23 05 48 13-0167 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	544.17	13.55
23 05 48 13-0168 EA 6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	407.34	19.74
23 05 48 13-0169 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	596.39	19.87
23 05 48 13-0170 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	799.61	26.18
23 05 48 13-0171 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	988.74	26.18
23 05 48 13-0172 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,177.81	26.18
23 05 48 13-0173 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	697.07	22.14
23 05 48 13-0174 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	840.10	22.14
23 05 48 13-0175 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,138.51	28.79
23 05 48 13-0176 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,422.26	28.79
23 05 48 13-0177 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,705.92	28.79
23 05 48 13-0178 EA 10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	748.12	27.68
23 05 48 13-0179 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,105.71	27.68
23 05 48 13-0180 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,480.59	36.04
23 05 48 13-0181 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,839.43	36.04
23 05 48 13-0182 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,196.76	36.04
23 05 48 13-0183 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,476.65	33.46
23 05 48 13-0184 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,922.91	33.46
23 05 48 13-0185 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,406.75	45.02
23 05 48 13-0186 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,856.94	45.02
23 05 48 13-0187 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,309.22	45.02
 23 05 48 13-0188 Braided Metal Hose Type Flexible Bronze Hose Connectors <small>(23 05 48 13-0103)</small>		
Note: Flanged end connection (carbon steel ends).		
23 05 48 13-0189 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	328.97	6.37
23 05 48 13-0190 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	676.56	180.60
23 05 48 13-0191 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	812.81	180.60
23 05 48 13-0192 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	949.07	180.60
23 05 48 13-0193 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,085.38	180.60
23 05 48 13-0194 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	645.01	230.33
23 05 48 13-0195 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	788.59	230.33
23 05 48 13-0196 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	932.23	230.33
23 05 48 13-0197 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,075.92	230.33
23 05 48 13-0198 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,217.09	230.33
23 05 48 13-0199 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	923.35	386.13
23 05 48 13-0200 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,090.95	387.11
23 05 48 13-0201 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,261.27	386.13
23 05 48 13-0202 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,451.70	386.13
23 05 48 13-0203 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,597.21	386.13
23 05 48 13-0204 EA 6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,391.25	493.48

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0205 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,770.98	493.48
23 05 48 13-0206 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,150.93	495.25
23 05 48 13-0207 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,530.72	493.48
23 05 48 13-0208 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,910.45	493.48
23 05 48 13-0209 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,169.51	565.82
23 05 48 13-0210 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,456.78	565.82
23 05 48 13-0211 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,026.35	565.82
23 05 48 13-0212 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,596.14	565.82
23 05 48 13-0213 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,165.66	565.82
23 05 48 13-0214 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,474.92	688.82
23 05 48 13-0215 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,190.64	688.82
23 05 48 13-0216 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,911.18	688.82
23 05 48 13-0217 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,630.16	688.82
23 05 48 13-0218 EA 10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,211.23	688.82
23 05 48 13-0219 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,684.78	836.42
23 05 48 13-0220 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,593.02	836.42
23 05 48 13-0221 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,501.20	836.42
23 05 48 13-0222 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,409.38	836.42
23 05 48 13-0223 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	8,317.61	836.42

23 05 53 Identification for HVAC Piping and Equipment (23 05)**23 05 53 00-0001 Systems Identification** (23 05 53)**23 05 53 00-0002 Pipe Marker Snap-On Type Plastic** (23 05 53 00-0001)

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003 EA 1/2" Outside Diameter Snap-On Plastic Marker	21.95
23 05 53 00-0004 EA 3/4" Outside Diameter Snap-On Plastic Marker	22.31
23 05 53 00-0005 EA 1" Outside Diameter Snap-On Plastic Marker	22.51
23 05 53 00-0006 EA 1-1/4" Outside Diameter Snap-On Plastic Marker	22.86
23 05 53 00-0007 EA 1-1/2" Outside Diameter Snap-On Plastic Marker	26.11
23 05 53 00-0008 EA 2" Outside Diameter Snap-On Plastic Marker	26.78
23 05 53 00-0009 EA 2-1/2" Outside Diameter Snap-On Plastic Marker	40.72
23 05 53 00-0010 EA 3" Outside Diameter Snap-On Plastic Marker	41.25
23 05 53 00-0011 EA 3-1/2" Outside Diameter Snap-On Plastic Marker	41.82
23 05 53 00-0012 EA 4" Outside Diameter Snap-On Plastic Marker	42.12
23 05 53 00-0013 EA 4-1/2" Outside Diameter Snap-On Plastic Marker	42.43
23 05 53 00-0014 EA 5" Outside Diameter Snap-On Plastic Marker	42.75
23 05 53 00-0015 EA 6" Outside Diameter Snap-On Plastic Marker	44.69
23 05 53 00-0016 EA 7" Outside Diameter Snap-On Plastic Marker	45.04
23 05 53 00-0017 EA 8" Outside Diameter Snap-On Plastic Marker	54.62
23 05 53 00-0018 EA 10" Outside Diameter Snap-On Plastic Marker	56.76
23 05 53 00-0019 EA 12" Outside Diameter Snap-On Plastic Marker	65.61
23 05 53 00-0020 EA 14" Outside Diameter Snap-On Plastic Marker	75.16

23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022 EA 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.64
23 05 53 00-0023 EA 3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.37
23 05 53 00-0024 EA 1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.85
23 05 53 00-0025 EA 1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.14
23 05 53 00-0026 EA 1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.16
23 05 53 00-0027 EA 2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.61
23 05 53 00-0028 EA 2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.65
23 05 53 00-0029 EA 3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.23
23 05 53 00-0030 EA 3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.67
23 05 53 00-0031 EA 4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.13
23 05 53 00-0032 EA 4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	24.04
23 05 53 00-0033 EA 5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	25.03
23 05 53 00-0034 EA 6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	25.90
23 05 53 00-0035 EA 7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	26.76
23 05 53 00-0036 EA 8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	29.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 53 00-0037 EA 10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	30.69	
23 05 53 00-0038 EA 12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	35.54	
23 05 53 00-0039 Valve Identification Tag <small>(23 05 53 00-0001)</small> Note: Includes beaded chain and/or "S" hook.		
23 05 53 00-0040 EA 2" Diameter Identification Tag, Brass.....	14.44	
23 05 53 00-0041 EA 1-1/2" Diameter Identification Tag, Plastic.....	13.71	
23 05 53 00-0042 EA 1-1/2" Diameter Identification Tag, Brass.....	13.49	
 23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment <small>(23 05)</small>		
23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures <small>(23 05 66)</small>		
23 05 66 00-0002 EA 18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO).....	978.98	98.65
Note: Includes tube.		
23 05 66 00-0003 EA 24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO).....	1,022.14	103.53
Note: Includes tube.		
23 05 66 00-0004 EA 30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO).....	1,026.34	107.97
Note: Includes tube.		
23 05 66 00-0005 EA 36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO).....	1,074.24	113.45
Note: Includes tube.		
23 05 66 00-0006 EA 42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO).....	1,161.22	118.32
Note: Includes tube.		
23 05 66 00-0007 EA 62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO).....	1,122.57	122.02
Note: Includes tube.		
 23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures <small>(23 05 66)</small>		
23 05 66 00-0009 EA 12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO)	822.77	68.33
Note: Includes tube.		
23 05 66 00-0010 EA 16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO)	835.42	73.95
Note: Includes tube.		
23 05 66 00-0011 EA 20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO)	858.56	78.39
Note: Includes tube.		
23 05 66 00-0012 EA 24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO)	870.46	84.30
Note: Includes tube.		
23 05 66 00-0013 EA 30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO)	894.35	88.74
Note: Includes tube.		
23 05 66 00-0014 EA 36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO)	912.24	93.18
Note: Includes tube.		
23 05 66 00-0015 EA 42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO)	935.40	99.10
Note: Includes tube.		
23 05 66 00-0016 EA 12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO)	933.85	68.33
Note: Includes tube.		
23 05 66 00-0017 EA 16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO)	946.50	73.95
Note: Includes tube.		
23 05 66 00-0018 EA 20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO)	969.64	78.39
Note: Includes tube.		
23 05 66 00-0019 EA 24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO)	981.54	84.30
Note: Includes tube.		
23 05 66 00-0020 EA 30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO)	1,005.43	88.74
Note: Includes tube.		
23 05 66 00-0021 EA 36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO)	1,023.32	93.18
Note: Includes tube.		
23 05 66 00-0022 EA 42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO)	1,046.48	99.10
Note: Includes tube.		
23 05 66 00-0023 EA 16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO)	661.54	73.95
Note: Includes tube.		
23 05 66 00-0024 EA 20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO)	684.68	78.39
Note: Includes tube.		
23 05 66 00-0025 EA 24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO)	696.58	84.30
Note: Includes tube.		
23 05 66 00-0026 EA 30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO)	720.47	88.74
Note: Includes tube.		
23 05 66 00-0027 EA 36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO)	738.36	93.18
Note: Includes tube.		
23 05 66 00-0028 EA 42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO)	761.52	99.10
Note: Includes tube.		
 23 05 66 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures <small>(23 05 66)</small>		
23 05 66 00-0030 EA 16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)	612.19	94.66
Note: Includes tube.		
23 05 66 00-0031 EA 20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)	626.49	99.10
Note: Includes tube.		
23 05 66 00-0032 EA 24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)	640.78	103.53
Note: Includes tube.		
23 05 66 00-0033 EA 30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)	659.54	107.97
Note: Includes tube.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0034 EA 36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	683.42	113.45
23 05 66 00-0035 EA 42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	704.61	118.32
23 05 66 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts (23 05 66)		
23 05 66 00-0037 EA 18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	161.80	
23 05 66 00-0038 EA 24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	170.05	
23 05 66 00-0039 EA 30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	192.60	
23 05 66 00-0040 EA 36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	221.56	
23 05 66 00-0041 EA 42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	251.14	
23 05 66 00-0042 EA 62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	260.48	
23 05 66 00-0043 EA 12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	127.04	
23 05 66 00-0044 EA 16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	133.77	
23 05 66 00-0045 EA 20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	150.99	
23 05 66 00-0046 EA 24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	156.98	
23 05 66 00-0047 EA 30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	174.96	
23 05 66 00-0048 EA 36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	186.93	
23 05 66 00-0049 EA 42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	204.17	
23 05 66 00-0050 EA Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire).....	467.45	
23 05 66 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories (23 05 66)		
23 05 66 00-0052 EA Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610)	712.76	
Note: Includes 61" emitter, power supply, wires and connectors.		
23 05 66 00-0053 EA Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620)	902.49	
Note: Includes 61" emitter, power supply, wires and connectors.		
23 05 66 00-0054 EA Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1)	423.94	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0055 EA Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2)	447.17	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0056 EA Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)	557.38	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0057 EA Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4)	353.41	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0058 EA Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5)	381.98	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0059 EA 16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)	502.95	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0060 EA 12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)	496.36	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0061 LF 30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	18.80	
23 05 66 00-0062 EA Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	64.12	
23 05 66 00-0063 EA Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	22.74	
23 05 66 00-0064 EA Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	21.59	
23 05 66 00-0065 EA Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	59.41	
23 05 66 00-0066 EA Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	67.64	
23 05 66 00-0067 EA Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	60.31	
23 05 66 00-0068 EA Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	49.33	
23 05 66 00-0069 EA ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	46.71	
23 05 66 00-0070 EA DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	26.20	
23 05 66 00-0071 EA DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	52.26	
23 05 66 00-0072 EA Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	26.30	
23 05 66 00-0073 EA 480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	100.01	
23 05 66 00-0074 EA Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	104.93	

23 05 93 Testing, Adjusting, and Balancing for HVAC (23 05)

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment (23 05 93)

23 05 93 00-0002 EA Balancing Centrifugal Fans	584.43	
For Testing Of Unit Without Balancing, Deduct	-292.22	
23 05 93 00-0003 EA Balancing Heating And Ventilating Units	730.24	
For Testing Of Unit Without Balancing, Deduct	-365.12	
23 05 93 00-0004 EA Balancing In Line Fan	657.47	
For Testing Of Unit Without Balancing, Deduct	-328.74	
23 05 93 00-0005 EA Balancing Propeller And Wall Fan	146.10	
For Testing Of Unit Without Balancing, Deduct	-73.05	
23 05 93 00-0006 EA Balancing Roof Exhaust Fan	438.29	
For Testing Of Unit Without Balancing, Deduct	-219.15	
23 05 93 00-0007 EA Balancing Wall Fan	109.55	
For Testing Of Unit Without Balancing, Deduct	-54.78	
23 05 93 00-0008 EA Balancing Fan Section Exhaust	583.49	
For Testing Of Unit Without Balancing, Deduct	-291.75	

23 05 93 00-0009 Air Conditioning Equipment (23 05 93)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0010 EA Balancing Constant Volume Air Handling Unit.....	1,084.36	
For Testing Of Unit Without Balancing, Deduct	-542.18	
23 05 93 00-0011 EA Balancing Package A/C Unit.....	406.64	
For Testing Of Unit Without Balancing, Deduct	-203.32	
23 05 93 00-0012 EA Balancing Rooftop Heat And Cool Unit.....	542.19	
For Testing Of Unit Without Balancing, Deduct	-271.10	
23 05 93 00-0013 EA Balancing Variable Volume Air Handling Unit.....	1,897.64	
For Testing Of Unit Without Balancing, Deduct	-948.82	
23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers (23 05 93)		
23 05 93 00-0015 EA Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	109.58	
For Testing Of Unit Without Balancing, Deduct	-54.79	
23 05 93 00-0016 EA Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser.....	182.63	
For Testing Of Unit Without Balancing, Deduct	-91.32	
23 05 93 00-0017 EA Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	94.96	
For Testing Of Unit Without Balancing, Deduct	-47.48	
23 05 93 00-0018 EA Balance Variable Air Volume Box	102.89	
For Testing Of Unit Without Balancing, Deduct	-51.45	
23 05 93 00-0019 EA Balance Constant Volume Box	102.89	
For Testing Of Unit Without Balancing, Deduct	-51.45	
23 05 93 00-0020 EA Balance Fan Powered Box	116.88	
For Testing Of Unit Without Balancing, Deduct	-58.44	
23 05 93 00-0021 EA Balance Lab Fume Hood	474.86	
For Testing Of Unit Without Balancing, Deduct	-237.43	
23 05 93 00-0022 EA Balance General Hood.....	365.26	
For Testing Of Unit Without Balancing, Deduct	-182.63	
23 05 93 00-0023 EA Balance Induction Unit.....	219.17	
For Testing Of Unit Without Balancing, Deduct	-109.59	
23 05 93 00-0024 EA Balance Moduline - Master	87.64	
For Testing Of Unit Without Balancing, Deduct	-43.82	
23 05 93 00-0025 EA Balance Moduline - Slave	43.83	
For Testing Of Unit Without Balancing, Deduct	-21.92	
23 05 93 00-0026 EA Balance Dampers	40.70	
For Testing Of Unit Without Balancing, Deduct	-20.35	
23 05 93 00-0027 EA Balance Regenerators	583.49	
For Testing Of Unit Without Balancing, Deduct	-291.75	
23 05 93 00-0028 Water Balancing Of Components (23 05 93)		
23 05 93 00-0029 EA Water Balance, Air Cool Condenser	745.57	
For Testing Of Unit Without Balancing, Deduct	-372.79	
23 05 93 00-0030 EA Water Balance, Cabinet Heater	94.89	
For Testing Of Unit Without Balancing, Deduct	-47.45	
23 05 93 00-0031 EA Water Balance, Chiller, Air Cooled.....	813.21	
For Testing Of Unit Without Balancing, Deduct	-406.61	
23 05 93 00-0032 EA Water Balance, Chiller, Water Cooled	1,084.36	
For Testing Of Unit Without Balancing, Deduct	-542.18	
23 05 93 00-0033 EA Water Balance, Cooling Tower	542.19	
For Testing Of Unit Without Balancing, Deduct	-271.10	
23 05 93 00-0034 EA Water Balance, Fan Coil And Vent	135.63	
For Testing Of Unit Without Balancing, Deduct	-67.82	
23 05 93 00-0035 EA Water Balance, Fin Tube And Radiant Panel	135.55	
For Testing Of Unit Without Balancing, Deduct	-67.78	
23 05 93 00-0036 EA Water Balance, Main And Duct Re-Heat Coil	149.10	
For Testing Of Unit Without Balancing, Deduct	-74.55	
23 05 93 00-0037 EA Water Balance, Pumps	406.66	
For Testing Of Unit Without Balancing, Deduct	-203.33	
23 05 93 00-0038 EA Water Balance, Unit Heater	94.88	
For Testing Of Unit Without Balancing, Deduct	-47.44	
23 05 93 00-0039 EA Water Balancing, Converter	406.80	
For Testing Of Unit Without Balancing, Deduct	-203.40	
23 05 93 00-0040 EA Water Balancing, Cocks And Valves.....	67.76	
For Testing Of Unit Without Balancing, Deduct	-33.88	
23 05 93 00-0041 EA Water Balance, Convectur	81.32	
For Testing Of Unit Without Balancing, Deduct	-40.66	
23 05 93 00-0042 EA Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	101.66	
For Testing Of Unit Without Balancing, Deduct	-50.83	
23 05 93 00-0043 EA Water Balance, Boiler, Up To 500 MBH.....	881.05	
For Testing Of Unit Without Balancing, Deduct	-440.53	
23 05 93 00-0044 EA >500 To 1,000 MBH, Water Balance, Boiler	1,626.55	
For Testing Of Unit Without Balancing, Deduct	-813.28	
23 05 93 00-0045 EA >1,000 MBH, Water Balance, Boiler	2,982.01	
For Testing Of Unit Without Balancing, Deduct	-1,491.01	
23 05 93 00-0046 Non Destructive Testing (23 05 93)		
23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0048 Minimum Charge For X-Ray Welds (23 05 93 00-0047)		
23 05 93 00-0049 EA X-Ray Welds Minimum Set-Up Charge.....	976.48	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 93 Testing, Adjusting, and Balancing for HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0050			Piping, X-Ray Welds, Non Destructive Testing (23 05 93 00-0047)		
23 05 93 00-0051	EA		Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing	111.45	
23 05 93 00-0052	EA		1" Piping, X-Ray Welds, Non Destructive Testing.....	126.86	
23 05 93 00-0053	EA		1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing	142.28	
23 05 93 00-0054	EA		2" Piping, X-Ray Welds, Non Destructive Testing.....	150.35	
23 05 93 00-0055	EA		3" Piping, X-Ray Welds, Non Destructive Testing.....	158.41	
23 05 93 00-0056	EA		4" Piping, X-Ray Welds, Non Destructive Testing.....	167.17	
23 05 93 00-0057	EA		6" Piping, X-Ray Welds, Non Destructive Testing.....	183.28	
23 05 93 00-0058	EA		8" Piping, X-Ray Welds, Non Destructive Testing.....	199.41	
23 05 93 00-0059	EA		10" Piping, X-Ray Welds, Non Destructive Testing.....	208.17	
23 05 93 00-0060	EA		12" Piping, X-Ray Welds, Non Destructive Testing.....	216.94	
23 05 93 00-0061			Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0062			Piping, Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0061)		
23 05 93 00-0063	EA		Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	131.74	
23 05 93 00-0064	EA		1" Piping, Liquid Penetration Of Welds, Non Destructive Testing	139.10	
23 05 93 00-0065	EA		1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	146.46	
23 05 93 00-0066	EA		2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	150.14	
23 05 93 00-0067	EA		3" Piping, Liquid Penetration Of Welds, Non Destructive Testing	155.67	
23 05 93 00-0068	EA		4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	161.19	
23 05 93 00-0069	EA		6" Piping, Liquid Penetration Of Welds, Non Destructive Testing	172.23	
23 05 93 00-0070	EA		8" Piping, Liquid Penetration Of Welds, Non Destructive Testing	183.26	
23 05 93 00-0071	EA		10" Piping, Liquid Penetration Of Welds, Non Destructive Testing	194.31	
23 05 93 00-0072	EA		12" Piping, Liquid Penetration Of Welds, Non Destructive Testing	205.35	
23 05 93 00-0073			Hydrostatic Testing (23 05 93 00-0046)		
			Note: Includes flushing and restoring of system.		
23 05 93 00-0074			Piping, Hydrostatic Testing (23 05 93 00-0073)		
23 05 93 00-0075	EA		Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	968.47	
23 05 93 00-0076	EA		>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,383.52	
23 05 93 00-0077	EA		>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,657.73	
23 05 93 00-0078	EA		>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	2,208.11	
23 05 93 00-0079	EA		>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	3,345.61	
23 05 93 00-0080	EA		Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	1,287.68	
23 05 93 00-0081	EA		>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,840.08	
23 05 93 00-0082	EA		>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,190.58	
23 05 93 00-0083	EA		>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,870.51	
23 05 93 00-0084	EA		>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	4,342.59	
23 05 93 00-0085	EA		Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,678.16	
23 05 93 00-0086	EA		>100' To 250', >4" To 10" Piping, Hydrostatic Testing	2,392.12	
23 05 93 00-0087	EA		>250' To 500', >4" To 10" Piping, Hydrostatic Testing	2,523.62	
23 05 93 00-0088	EA		>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	3,306.14	
23 05 93 00-0089	EA		>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	5,001.57	
23 05 93 00-0090	EA		Up To 100', >10" To 14" Piping, Hydrostatic Testing	2,178.67	
23 05 93 00-0091	EA		>100' To 250', >10" To 14" Piping, Hydrostatic Testing	3,106.06	
23 05 93 00-0092	EA		>250' To 500', >10" To 14" Piping, Hydrostatic Testing	3,281.35	
23 05 93 00-0093	EA		>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	4,303.84	
23 05 93 00-0094	EA		>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	6,520.98	
23 05 93 00-0095			Pneumatic Testing (23 05 93 00-0046)		
			Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096			Piping, Pneumatic Testing (23 05 93 00-0095)		
23 05 93 00-0097	EA		Up To 100', Up To 1-1/2" Piping, Pneumatic Testing.....	1,101.48	
			Note: Includes soaping joints.		
23 05 93 00-0098	EA		>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing.....	1,571.65	
			Note: Includes soaping joints.		
23 05 93 00-0099	EA		>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing.....	1,697.51	
			Note: Includes soaping joints.		
23 05 93 00-0100	EA		>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing.....	2,174.43	
			Note: Includes soaping joints.		
23 05 93 00-0101	EA		>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing.....	3,401.41	
			Note: Includes soaping joints.		
23 05 93 00-0102	EA		Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing	1,437.26	
			Note: Includes soaping joints.		
23 05 93 00-0103	EA		>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing	2,040.80	
			Note: Includes soaping joints.		
23 05 93 00-0104	EA		>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing	2,206.60	
			Note: Includes soaping joints.		
23 05 93 00-0105	EA		>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	2,827.31	
			Note: Includes soaping joints.		
23 05 93 00-0106	EA		>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	4,421.15	
			Note: Includes soaping joints.		
23 05 93 00-0107	EA		Up To 100', >4" To 10" Piping, Pneumatic Testing	1,730.59	
			Note: Includes soaping joints.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0108 EA >100' To 250', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,442.20	
23 05 93 00-0109 EA >250' To 500', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,763.12	
23 05 93 00-0110 EA >500' To 1,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	3,530.84	
23 05 93 00-0111 EA >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	5,529.29	
23 05 93 00-0112 EA Up To 100', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,253.39	
23 05 93 00-0113 EA >100' To 250', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	3,175.09	
23 05 93 00-0114 EA >250' To 500', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	3,593.20	
23 05 93 00-0115 EA >500' To 1,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	4,591.07	
23 05 93 00-0116 EA >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	7,199.78	
23 05 93 00-0117 EPA Testing Of Sludge (23 05 93)		
23 05 93 00-0118 EA Flashpoint And Lead Test For Lead	1,032.29	
23 05 93 00-0119 EA Air Test/Combustion Gas Level	107.22	
23 05 93 00-0120 EA Toxicity Test For Heavy Metals.....	1,583.42	
23 05 93 00-0121 EA Aboveground Tank Water Settlement Test Including Water	1,201.95	

23 07 HVAC Insulation (23)

23 07 13 Duct Insulation (23 07)

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation (23 07 13)		
Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.		
23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0003 SF 1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.46	2.75
<i>For Plain Blanket, With No Facing, Deduct</i>		
-0.32		
<i>For Work In Restricted Working Space, Add</i>		
1.10		
23 07 13 00-0004 SF 1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	5.20	2.75
<i>For Plain Blanket, With No Facing, Deduct</i>		
-0.36		
<i>For Work In Restricted Working Space, Add</i>		
1.29		
23 07 13 00-0005 SF 2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	5.89	4.11
<i>For Plain Blanket, With No Facing, Deduct</i>		
-0.40		
<i>For Work In Restricted Working Space, Add</i>		
1.47		
23 07 13 00-0006 SF 3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	6.96	4.81
<i>For Plain Blanket, With No Facing, Deduct</i>		
-0.49		
<i>For Work In Restricted Working Space, Add</i>		
1.72		
23 07 13 00-0007 SF 4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	8.13	5.22
<i>For Plain Blanket, With No Facing, Deduct</i>		
-0.78		
<i>For Work In Restricted Working Space, Add</i>		
1.85		
23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0009 SF 1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation	5.49	4.11
<i>For Plain Blanket, With No Facing, Deduct</i>		
-0.36		
<i>For Work In Restricted Working Space, Add</i>		
1.37		
23 07 13 00-0010 SF 1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation	6.39	4.81
<i>For Plain Blanket, With No Facing, Deduct</i>		
-0.44		
<i>For Work In Restricted Working Space, Add</i>		
1.58		
23 07 13 00-0011 SF 2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation	7.55	5.49
<i>For Plain Blanket, With No Facing, Deduct</i>		
-0.52		
<i>For Work In Restricted Working Space, Add</i>		
1.87		
23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0013 SF 1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	7.06	5.49
<i>For Plain Blanket, With No Facing, Deduct</i>		
-0.62		
<i>For Work In Restricted Working Space, Add</i>		
1.65		
23 07 13 00-0014 SF 1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	9.00	6.18
<i>For Plain Blanket, With No Facing, Deduct</i>		
-1.08		
<i>For Work In Restricted Working Space, Add</i>		
1.89		
23 07 13 00-0015 SF 2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	10.50	6.86
<i>For Plain Blanket, With No Facing, Deduct</i>		
-1.27		
<i>For Work In Restricted Working Space, Add</i>		
2.20		
23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)		
Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 13 Duct Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0017 SF 1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation.....	12.74	7.17
For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	29.64	
For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	21.88	
For Non-Metallic Weatherproof Paste, 2 LB, Add	18.06	
For Work In Restricted Working Space, Add	3.66	
23 07 13 00-0018 SF 1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation.....	16.12	8.72
For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	36.50	
For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	27.24	
For Non-Metallic Weatherproof Paste, 2 LB, Add	22.41	
For Work In Restricted Working Space, Add	4.45	
23 07 13 00-0019 SF 2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation.....	19.93	10.52
For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	44.38	
For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	33.36	
For Non-Metallic Weatherproof Paste, 2 LB, Add	27.38	
For Work In Restricted Working Space, Add	5.37	
23 07 13 00-0020 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)		
Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021 SF 1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation.....	14.23	7.89
For Work In Restricted Working Space, Add	4.02	
23 07 13 00-0022 SF 1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation.....	18.15	9.59
For Work In Restricted Working Space, Add	4.89	
23 07 13 00-0023 SF 2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation.....	22.90	11.58
For Work In Restricted Working Space, Add	5.91	
23 07 13 00-0024 Sheet Flexible Elastomeric Insulation (23 07 13)		
23 07 13 00-0025 SF 3/8" Thick, Sheet Flexible Elastomeric Insulation	9.73	3.71
23 07 13 00-0026 SF 1/2" Thick, Sheet Flexible Elastomeric Insulation	10.39	3.91
23 07 13 00-0027 SF 3/4" Thick, Sheet Flexible Elastomeric Insulation	13.34	4.11
23 07 13 00-0028 SF 1" Thick, Sheet Flexible Elastomeric Insulation	15.25	4.32
23 07 13 00-0029 SF 1-1/2" Thick, Sheet Flexible Elastomeric Insulation	20.76	4.74
23 07 13 00-0030 SF 2" Thick, Sheet Flexible Elastomeric Insulation	24.41	5.15
23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)		
Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032 SF 1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	13.96	3.91
23 07 13 00-0033 SF 3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.30	4.11
23 07 13 00-0034 SF 1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	16.96	4.32
23 07 13 00-0035 SF 1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	25.90	4.74
23 07 13 00-0036 SF 2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	30.54	5.15
23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)		
Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038 SF 1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	16.50	3.91
23 07 13 00-0039 SF 3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	17.84	4.11
23 07 13 00-0040 SF 1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	19.95	4.32
23 07 13 00-0041 SF 1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	28.85	4.74
23 07 16 HVAC Equipment Insulation (23 07)		
23 07 16 00-0001 Calcium Silicate Block Insulation (23 07 16)		
23 07 16 00-0002 SF 1" Thick, Calcium Silicate Block Insulation.....	20.14	8.61
For Work In Restricted Working Space, Add	5.17	
23 07 16 00-0003 SF 1-1/2" Thick, Calcium Silicate Block Insulation	23.76	9.69
For Work In Restricted Working Space, Add	5.81	
23 07 16 00-0004 SF 2" Thick, Calcium Silicate Block Insulation.....	28.27	11.17
For Work In Restricted Working Space, Add	6.73	
23 07 16 00-0005 SF 2-1/2" Thick, Calcium Silicate Block Insulation	33.55	13.12
For Work In Restricted Working Space, Add	7.87	
23 07 16 00-0006 SF 3" Thick, Calcium Silicate Block Insulation.....	41.05	16.15
For Work In Restricted Working Space, Add	9.68	
23 07 19 HVAC Piping Insulation (23 07)		
See CSI section 22 07 19 00-0000 for pipe insulation.		
23 07 19 00-0001 Calcium Silicate Pipe Insulation (23 07 19)		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0594 for protective jacketing.		
23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0003 LF 1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	17.10	4.51
For Work In Restricted Working Space, Add	3.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0004 LF 3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.10 3.38	4.51
23 07 19 00-0005 LF 1" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.01 3.43	4.58
23 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.28 3.48	4.64
23 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.49 3.53	4.71
23 07 19 00-0008 LF 2" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.69 3.63	4.84
23 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.55 3.77	5.03
23 07 19 00-0010 LF 3" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	20.41 3.87	5.16
23 07 19 00-0011 LF 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	23.26 4.17	5.55
23 07 19 00-0012 LF 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.92 4.70	6.27
23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		
23 07 19 00-0014 LF 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.90 3.53	4.70
23 07 19 00-0015 LF 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.00 3.53	4.70
23 07 19 00-0016 LF 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.27 3.74	4.98
23 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	20.03 3.80	5.07
23 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	20.81 3.87	5.17
23 07 19 00-0019 LF 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	22.33 4.09	5.45
23 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	23.37 4.16	5.54
23 07 19 00-0021 LF 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	24.25 4.30	5.73
23 07 19 00-0022 LF 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	27.00 4.65	6.20
23 07 19 00-0023 LF 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	31.31 5.43	7.24
23 07 19 00-0024 LF 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	36.62 5.73	7.63
23 07 19 00-0025 LF 10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.05 6.86	9.14
23 07 19 00-0026 LF 12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	54.13 7.99	10.65
23 07 19 00-0027 LF 14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	60.26 8.75	11.67
23 07 19 00-0028 LF 16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	71.94 11.14	14.86
23 07 19 00-0029 LF 18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	77.46 11.69	15.60
23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		
23 07 19 00-0031 LF 1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	22.63 3.87	5.16
23 07 19 00-0032 LF 3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	23.16 3.87	5.16
23 07 19 00-0033 LF 1" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	23.88 3.92	5.23
23 07 19 00-0034 LF 1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	24.81 3.97	5.29
23 07 19 00-0035 LF 1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.47 4.02	5.36
23 07 19 00-0036 LF 2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	26.56 4.17	5.55
23 07 19 00-0037 LF 2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	29.62 4.31	5.75
23 07 19 00-0038 LF 3" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	30.17 4.46	5.94
23 07 19 00-0039 LF 4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	33.38 4.71	6.28
23 07 19 00-0040 LF 6" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	40.89 5.65	7.53
23 07 19 00-0041 LF 8" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.15 5.96	7.95
23 07 19 00-0042 LF 10" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	56.79 7.13	9.51
23 07 19 00-0043 LF 12" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	65.16 8.54	11.39
23 07 19 00-0044 LF 14" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	80.06 11.92	15.89

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0045	LF		16" Diameter Pipe, 2" Thick Calcium Silicate Insulation.....	84.19	15.89
			<i>For Work In Restricted Working Space, Add</i>	11.92	
23 07 19 00-0046	LF		18" Diameter Pipe, 2" Thick Calcium Silicate Insulation.....	90.22	16.69
			<i>For Work In Restricted Working Space, Add</i>	12.51	
23 07 19 00-0047	LF		20" Diameter Pipe, 2" Thick Calcium Silicate Insulation.....	107.41	19.07
			<i>For Work In Restricted Working Space, Add</i>	14.30	
23 07 19 00-0048	LF		24" Diameter Pipe, 2" Thick Calcium Silicate Insulation.....	125.20	23.04
			<i>For Work In Restricted Working Space, Add</i>	17.28	
23 07 19 00-0049			2-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0050	LF		1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.12	5.95
			<i>For Work In Restricted Working Space, Add</i>	4.47	
23 07 19 00-0051	LF		3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.67	5.95
			<i>For Work In Restricted Working Space, Add</i>	4.47	
23 07 19 00-0052	LF		1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	28.15	6.05
			<i>For Work In Restricted Working Space, Add</i>	4.54	
23 07 19 00-0053	LF		1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	28.42	6.10
			<i>For Work In Restricted Working Space, Add</i>	4.58	
23 07 19 00-0054	LF		1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	29.13	6.15
			<i>For Work In Restricted Working Space, Add</i>	4.61	
23 07 19 00-0055	LF		2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	30.36	6.40
			<i>For Work In Restricted Working Space, Add</i>	4.80	
23 07 19 00-0056	LF		2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	34.07	6.62
			<i>For Work In Restricted Working Space, Add</i>	4.97	
23 07 19 00-0057	LF		3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	34.65	6.85
			<i>For Work In Restricted Working Space, Add</i>	5.14	
23 07 19 00-0058	LF		4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	39.92	7.22
			<i>For Work In Restricted Working Space, Add</i>	5.42	
23 07 19 00-0059	LF		6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	49.61	8.21
			<i>For Work In Restricted Working Space, Add</i>	6.16	
23 07 19 00-0060	LF		8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	56.59	9.15
			<i>For Work In Restricted Working Space, Add</i>	6.86	
23 07 19 00-0061	LF		10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	67.54	10.55
			<i>For Work In Restricted Working Space, Add</i>	7.91	
23 07 19 00-0062	LF		12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	78.71	13.12
			<i>For Work In Restricted Working Space, Add</i>	9.84	
23 07 19 00-0063	LF		14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	87.04	14.32
			<i>For Work In Restricted Working Space, Add</i>	10.74	
23 07 19 00-0064	LF		16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	105.78	18.31
			<i>For Work In Restricted Working Space, Add</i>	13.73	
23 07 19 00-0065	LF		18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	111.70	19.22
			<i>For Work In Restricted Working Space, Add</i>	14.42	
23 07 19 00-0066	LF		20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	129.54	21.97
			<i>For Work In Restricted Working Space, Add</i>	16.48	
23 07 19 00-0067	LF		24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	152.29	26.54
			<i>For Work In Restricted Working Space, Add</i>	19.91	
23 07 19 00-0068			3" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0069	LF		1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	34.10	6.59
			<i>For Work In Restricted Working Space, Add</i>	4.94	
23 07 19 00-0070	LF		3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	34.22	6.59
			<i>For Work In Restricted Working Space, Add</i>	4.94	
23 07 19 00-0071	LF		1" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	34.53	6.66
			<i>For Work In Restricted Working Space, Add</i>	5.00	
23 07 19 00-0072	LF		1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	34.89	6.71
			<i>For Work In Restricted Working Space, Add</i>	5.03	
23 07 19 00-0073	LF		1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	35.21	6.78
			<i>For Work In Restricted Working Space, Add</i>	5.08	
23 07 19 00-0074	LF		2" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	36.41	7.03
			<i>For Work In Restricted Working Space, Add</i>	5.27	
23 07 19 00-0075	LF		2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	40.34	7.27
			<i>For Work In Restricted Working Space, Add</i>	5.45	
23 07 19 00-0076	LF		3" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	41.16	7.53
			<i>For Work In Restricted Working Space, Add</i>	5.65	
23 07 19 00-0077	LF		4" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	48.41	7.96
			<i>For Work In Restricted Working Space, Add</i>	5.96	
23 07 19 00-0078	LF		6" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	57.38	9.03
			<i>For Work In Restricted Working Space, Add</i>	6.77	
23 07 19 00-0079	LF		8" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	66.62	10.06
			<i>For Work In Restricted Working Space, Add</i>	7.55	
23 07 19 00-0080	LF		10" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	79.08	11.61
			<i>For Work In Restricted Working Space, Add</i>	8.71	
23 07 19 00-0081	LF		12" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	91.46	14.43
			<i>For Work In Restricted Working Space, Add</i>	10.82	
23 07 19 00-0082	LF		14" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	101.49	15.75
			<i>For Work In Restricted Working Space, Add</i>	11.82	
23 07 19 00-0083	LF		16" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	118.95	20.14
			<i>For Work In Restricted Working Space, Add</i>	15.10	
23 07 19 00-0084	LF		18" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	128.19	21.14
			<i>For Work In Restricted Working Space, Add</i>	15.86	
23 07 19 00-0085	LF		20" Diameter Pipe, 3" Thick Calcium Silicate Insulation.....	150.04	24.17
			<i>For Work In Restricted Working Space, Add</i>	18.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0086 LF 24" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	177.55 21.90	29.20
23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0088 LF 1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	43.32 5.42	7.22
23 07 19 00-0089 LF 3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	44.92 5.42	7.22
23 07 19 00-0090 LF 1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	45.03 5.45	7.27
23 07 19 00-0091 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	45.16 5.49	7.31
23 07 19 00-0092 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.57 5.56	7.41
23 07 19 00-0093 LF 2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	49.38 5.74	7.65
23 07 19 00-0094 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	53.58 5.95	7.93
23 07 19 00-0095 LF 3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	55.49 6.16	8.21
23 07 19 00-0096 LF 4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	63.13 6.51	8.68
23 07 19 00-0097 LF 6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	70.46 7.39	9.85
23 07 19 00-0098 LF 8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	85.69 8.23	10.97
23 07 19 00-0099 LF 10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	104.06 9.50	12.66
23 07 19 00-0100 LF 12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	126.03 11.81	15.74
23 07 19 00-0101 LF 14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	132.83 12.89	17.19
23 07 19 00-0102 LF 16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	155.10 16.48	21.97
23 07 19 00-0103 LF 18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	177.94 17.30	23.06
23 07 19 00-0104 LF 20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	192.17 19.79	26.38
23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0106 LF 1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	54.00 6.02	8.03
23 07 19 00-0107 LF 3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	54.05 6.02	8.03
23 07 19 00-0108 LF 1" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	54.40 6.12	8.16
23 07 19 00-0109 LF 1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	55.88 6.19	8.26
23 07 19 00-0110 LF 1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	59.15 6.39	8.52
23 07 19 00-0111 LF 2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	60.38 6.59	8.78
23 07 19 00-0112 LF 2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	65.87 6.69	8.91
23 07 19 00-0113 LF 3" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	67.78 6.93	9.24
23 07 19 00-0114 LF 4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	76.87 7.32	9.76
23 07 19 00-0115 LF 6" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	88.91 8.30	11.07
23 07 19 00-0116 LF 8" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	105.84 9.26	12.34
23 07 19 00-0117 LF 10" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	121.87 10.70	14.26
23 07 19 00-0118 LF 12" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	138.94 13.28	17.71
23 07 19 00-0119 LF 14" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	147.83 14.51	19.34
23 07 19 00-0120 LF 16" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	175.24 18.55	24.73
23 07 19 00-0121 LF 18" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	186.33 19.44	25.92
23 07 19 00-0122 LF 20" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	206.32 22.25	29.66
23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0124 SF 1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulokote ET) <i>For Work In Restricted Working Space, Add</i>	6.53 1.28	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 08 Commissioning of HVAC ⁽²³⁾

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC ⁽²³⁾

23 09 23 Direct-Digital Control System for HVAC ^(23 09)

23 09 23 11 Control Valves ^(23 09 23)

23 09 23 11-0001 Valves With Actuator ^(23 09 23 11)

23 09 23 11-0002	EA	1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	798.84	19.00
23 09 23 11-0003	EA	3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	827.67	25.60
23 09 23 11-0004	EA	1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	906.63	30.99
23 09 23 11-0005	EA	1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	990.74	39.25
23 09 23 11-0006	EA	1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,128.70	45.30
23 09 23 11-0007	EA	2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,276.24	53.53
23 09 23 11-0008	EA	2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,388.64	107.06
23 09 23 11-0009	EA	3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,591.86	125.28
23 09 23 11-0010	EA	4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,502.31	184.01
23 09 23 11-0011	EA	5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	5,150.44	265.93
23 09 23 11-0012	EA	6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	5,704.84	294.42
23 09 23 11-0013	EA	1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	861.50	28.49
23 09 23 11-0014	EA	3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	890.36	38.40
23 09 23 11-0015	EA	1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	965.85	46.48
23 09 23 11-0016	EA	1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	1,072.61	58.89
23 09 23 11-0017	EA	1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,375.72	67.94
23 09 23 11-0018	EA	2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,527.38	80.30
23 09 23 11-0019	EA	2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,702.64	160.60
23 09 23 11-0020	EA	3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	6,977.66	187.92
23 09 23 11-0021	EA	4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	4,327.99	276.01
23 09 23 11-0022	EA	5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	6,277.23	398.88
23 09 23 11-0023	EA	6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	6,977.78	441.62
23 09 23 11-0024	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	133.67	19.00
23 09 23 11-0025	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	159.85	25.60
23 09 23 11-0026	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	200.52	30.99
23 09 23 11-0027	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	167.09	28.49
23 09 23 11-0028	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	198.77	38.40
23 09 23 11-0029	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	247.55	46.48
23 09 23 11-0030	EA	1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	213.83	19.00
23 09 23 11-0031	EA	3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	255.59	25.60
23 09 23 11-0032	EA	1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	292.02	30.99
23 09 23 11-0033	EA	1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	379.20	39.25
23 09 23 11-0034	EA	1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	395.44	45.30
23 09 23 11-0035	EA	2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	500.92	53.53
23 09 23 11-0036	EA	2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	1,070.67	107.06
23 09 23 11-0037	EA	3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,256.78	125.28
23 09 23 11-0038	EA	1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	262.83	28.49
23 09 23 11-0039	EA	3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	307.66	38.40
23 09 23 11-0040	EA	1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	394.98	46.48
23 09 23 11-0041	EA	1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	555.61	58.89
23 09 23 11-0042	EA	1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	589.71	67.94
23 09 23 11-0043	EA	2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	774.90	80.30
23 09 23 11-0044	EA	2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	654.90	98.14
23 09 23 11-0045	EA	2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	690.39	107.06
23 09 23 11-0046	EA	3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	897.13	125.28
23 09 23 11-0047	EA	4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,382.70	210.30
23 09 23 11-0048	EA	5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,676.99	265.93
23 09 23 11-0049	EA	6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	2,833.68	294.42
23 09 23 11-0050	EA	8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	3,811.27	336.48
23 09 23 11-0051	EA	10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	4,675.66	412.18
23 09 23 11-0052	EA	12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	5,771.86	499.62
23 09 23 11-0053	EA	14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	6,436.56	588.82
23 09 23 11-0054	EA	16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	8,423.85	647.71
23 09 23 11-0055	EA	18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	10,165.34	719.55
23 09 23 11-0056	EA	2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,187.12	147.21
23 09 23 11-0057	EA	2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,389.78	160.60
23 09 23 11-0058	EA	3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,708.78	187.92
23 09 23 11-0059	EA	4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	2,242.10	315.44
23 09 23 11-0060	EA	5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	4,426.18	398.88
23 09 23 11-0061	EA	6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	4,601.85	441.62
23 09 23 11-0062	EA	8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	5,766.34	504.76
23 09 23 11-0063	EA	10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	7,599.42	618.27
23 09 23 11-0064	EA	12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	9,235.65	749.42
23 09 23 11-0065	EA	14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	14,220.95	883.25
23 09 23 11-0066	EA	16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	15,848.19	971.57
23 09 23 11-0067	EA	18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	24,113.54	1,079.33

23 09 23 11-0068 Valve Actuators ^(23 09 23 11)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0069 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T).....	524.73	121.62
23 09 23 11-0070 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3).....	531.02	121.62
23 09 23 11-0071 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T).....	654.33	121.62
23 09 23 11-0072 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S).....	583.23	121.62
23 09 23 11-0073 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR).....	592.40	121.62
23 09 23 11-0074 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT).....	652.64	121.62
23 09 23 11-0075 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1).....	807.74	121.62
23 09 23 11-0076 EA 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95).....	823.39	121.62
23 09 23 11-0077 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT).....	861.12	121.62
23 09 23 11-0078 EA 120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3).....	638.34	121.62
23 09 23 11-0079 EA 120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR).....	717.52	121.62
23 09 23 11-0080 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T).....	622.79	121.62
23 09 23 11-0081 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3).....	631.99	121.62
23 09 23 11-0082 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14).....	635.43	121.62
23 09 23 11-0083 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S).....	697.95	121.62
23 09 23 11-0084 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T).....	724.91	121.62
23 09 23 11-0085 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR).....	739.23	121.62
23 09 23 11-0086 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	736.38	121.62
23 09 23 11-0087 EA 24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC).....	745.55	121.62
23 09 23 11-0088 EA 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95).....	744.98	121.62
23 09 23 11-0089 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	804.47	121.62
23 09 23 11-0090 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	954.92	121.62
23 09 23 11-0091 EA 100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	666.96	121.62
23 09 23 11-0092 EA 100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	777.11	121.62
23 09 23 11-0093 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,640.94	121.62
23 09 23 11-0094 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	1,829.07	121.62
23 09 23 11-0095 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	2,177.24	121.62
23 09 23 11-0096 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,454.29	121.62
23 09 23 11-0097 EA 120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	2,888.50	121.62
23 09 23 11-0098 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	3,386.39	121.62
23 09 23 11-0099 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	4,531.29	121.62
23 09 23 11-0100 EA 120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	5,511.55	121.62

23 09 23 12 Control Dampers (23 09 23)

23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers (23 09 23 12)

Note: Excludes actuators.

23 09 23 12-0002 EA 8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	220.55	45.30
23 09 23 12-0003 EA 10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	248.30	49.68
23 09 23 12-0004 EA 12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	277.46	54.79
23 09 23 12-0005 EA 14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	321.02	64.29
23 09 23 12-0006 EA 16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	363.10	73.06
23 09 23 12-0007 EA 18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	369.09	82.19
23 09 23 12-0008 EA 20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	450.84	91.32
23 09 23 12-0009 EA 24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	538.54	109.58
23 09 23 12-0010 EA 32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	688.70	127.84
23 09 23 12-0011 EA 48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	1,012.84	146.10
23 09 23 12-0012 EA 60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,834.51	164.37
23 09 23 12-0013 EA 72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	2,324.51	182.63

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0014 Round Galvanized Control Dampers (23 09 23 12)		
Note: Excludes actuators.		
23 09 23 12-0015 EA 6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	215.89	51.14
23 09 23 12-0016 EA 8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	223.30	54.79
23 09 23 12-0017 EA 10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	232.41	54.79
23 09 23 12-0018 EA 12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	258.29	62.10
23 09 23 12-0019 EA 14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	292.05	62.10
23 09 23 12-0020 EA 16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	318.07	73.06
23 09 23 12-0021 EA 18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	426.88	76.89
23 09 23 12-0022 EA 20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	446.12	79.70
23 09 23 12-0023 EA 22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	473.79	85.93
23 09 23 12-0024 EA 24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	501.98	92.14
23 09 23 12-0025 Remote Damper Control (23 09 23 12)		
23 09 23 12-0026 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	331.17	
For Each 10' Flexible Casing And Wire, Add	39.80	
23 09 23 12-0027 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	323.03	
For Each 10' Flexible Casing And Wire, Add	39.80	
23 09 23 13 Energy Meters (23 09 23)		
23 09 23 13-0001 Surge Protectors (23 09 23 13)		
23 09 23 13-0002 EA Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255).....	347.45	11.85
23 09 23 13-0003 EA Surge Protector, 1AC Outlet (Transtector TR2251).....	263.59	11.85
23 09 23 13-0004 EA Surge Protector, 2 AC Outlets (Transtector TR2254).....	407.89	11.85
23 09 23 13-0005 EA Surge Protector, DB-15 Connection (Transtector TR2259-DLP15).....	222.64	11.85
23 09 23 13-0006 EA Surge Protector, DB-25 Connection (Transtector TR2259-DLP25).....	222.64	11.85
23 09 23 13-0007 EA Surge Protector, DB-9 Connection (Transtector TR2259-DLP9).....	222.64	11.85
23 09 23 13-0008 EA Surge Protector, Individual Wire Connection (Transtector TR2258).....	320.16	11.85
23 09 23 13-0009 EA Surge Protector, Trane Communication Links (Transtector TR2257).....	199.24	11.85
23 09 23 14 Flow Instruments (23 09 23)		
23 09 23 14-0001 Water Flow Meters (23 09 23 14)		
23 09 23 14-0002 EA Insertion Electromagnetic Water Flow Meter (Onicon F-3500).....	5,180.20	130.07
Note: Excludes pipe fittings.		
23 09 23 14-0003 Air Flow Monitoring Stations (23 09 23 14)		
23 09 23 14-0004 EA Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	4,075.70	140.26
Note: 10' cable, 36" x 24" typical duct size.		
23 09 23 14-0005 EA Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	5,826.85	140.26
Note: 10' cable, 48" x 36" typical duct size.		
23 09 23 14-0006 EA Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116).....	7,237.77	140.26
Note: 10' cable, 60" x 48" typical duct size.		
23 09 23 16 Gas Instruments (23 09 23)		
23 09 23 16-0001 Gas Sensors (23 09 23 16)		
23 09 23 16-0002 EA 6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	2,155.59	71.08
23 09 23 16-0003 EA Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD).....	959.20	47.39
23 09 23 16-0004 EA CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2).....	1,719.56	71.08
Note: Solid state sensor.		
23 09 23 16-0005 EA CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD).....	954.19	85.31
23 09 23 19 Moisture Instruments (23 09 23)		
23 09 23 19-0001 Relative Humidity Sensors (23 09 23 19)		
23 09 23 19-0002 EA 3% Duct Mounted RH Sensor (Kele HD30K).....	608.47	85.31
23 09 23 19-0003 EA 10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3).....	624.05	85.31
23 09 23 19-0004 EA 3% RH Outdoor Air Sensor (Kele HO30K).....	716.22	118.48
23 09 23 19-0005 EA 2% Surface Mounted RH Transmitter (Kele HW20K).....	537.49	47.39
23 09 23 21 Motion Instruments (23 09 23)		
23 09 23 21-0001 Peco Motion Sensors (23 09 23 21)		
23 09 23 21-0002 EA Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	200.53	33.32
23 09 23 21-0003 EA Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	196.81	33.32
23 09 23 21-0004 EA Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001).....	259.15	33.32
23 09 23 21-0005 EA Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002).....	231.64	33.32
23 09 23 21-0006 EA Door Switch Occupancy Sensor (Peco SE200-001).....	80.46	33.32
23 09 23 21-0007 EA Window Switch Occupancy Sensor (Peco SE200-002).....	75.34	33.32
23 09 23 21-0008 EA Power Pack And Controller (Peco SF200-001).....	128.05	33.32



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

23 09 23 23 Pressure Instruments (23 09 23)

23 09 23 23-0001 Pressure Sensors (23 09 23 23)

23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005).....	805.45	100.05
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050).....	721.78	100.05
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222).....	316.88	100.05
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262).....	326.60	100.05
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460).....	345.63	100.05
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145).....	323.79	100.05
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA).....	2,843.46	100.05
		Note: Excludes pipe fittings.		
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA).....	2,843.46	100.05
		Note: Excludes pipe fittings.		
23 09 23 23-0010	EA	Magnahelic Gauge.....	807.65	61.16

23 09 23 23-0011 Room Pressure Monitoring (23 09 23 23)

23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM).....	3,369.21	73.06
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC).....	5,406.09	73.06
		Note: Excludes dampers and actuators.		
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4).....	434.37	43.83
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7).....	499.38	43.83

23 09 23 27 Temperature Instruments (23 09 23)

23 09 23 27-0001 Air Temperature Sensors (23 09 23 27)

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	249.63	85.31
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO).....	333.31	85.31
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG).....	259.26	85.31
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH).....	269.13	85.31
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18).....	272.41	85.31
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6).....	269.16	85.31
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP).....	270.91	85.31
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4).....	287.54	85.31
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW).....	302.06	85.31
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24).....	373.13	118.48
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25).....	384.31	118.48
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	165.75	47.39
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R).....	169.86	47.39
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP).....	159.07	47.39

23 09 23 27-0016 Water Temperature Sensors (23 09 23 27)

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	197.66	91.68
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005).....	461.88	91.68

23 09 23 27-0019 Peco Thermostats (23 09 23 27)

23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ).....	421.76	22.22
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	379.12	22.22

23 09 23 53 Proprietary Control Systems (23 09 23)

23 09 23 53-0001 EMCS General Costs (23 09 23 53)

23 09 23 53-0002 EMCS System Design Engineering (23 09 23 53-0001)

Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.

23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities.....	366.55	
23 09 23 53-0004	HR	EMCS Engineering Project Management.....	366.55	
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout.....	388.76	
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming.....	388.76	
23 09 23 53-0007	HR	EMCS Graphics Picture Creation.....	250.00	
23 09 23 53-0008	HR	EMCS System Controls Training.....	366.55	
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician.....	366.55	
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet.....	305.53	
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel).....	316.64	

23 09 23 53-0012 Field Tests, Checkout And Commissioning (23 09 23 53-0001)

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0013	PNT	EMCS Field Test.....	194.46	
		Note: Priced per point.		
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup.....	194.46	
		Note: Priced per point.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0015 PNT EMCS Field Commissioning Note: Priced per point.	194.46	
23 09 23 53-0016 EA EMCS Field Balance Support Note: Priced per controller.	166.61	
23 09 23 53-0017 EMCS System Engineering/Submittal Design And Layout (23 09 23 53-0001) Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0018 PNT EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	64.86	
23 09 23 53-0019 Alerton Controls (23 09 23 53)		
23 09 23 53-0020 EA 50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	10,413.08	
23 09 23 53-0021 EA 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	13,208.58	
23 09 23 53-0022 EA Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM).....	32,516.91	
23 09 23 53-0023 EA Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE).....	24,541.73	
23 09 23 53-0024 EA Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE).....	62,318.88	
23 09 23 53-0025 EA Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE).....	49,272.33	
23 09 23 53-0026 EA Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE).....	74,911.25	
23 09 23 53-0027 EA Alerton Building Suite Tech License (Alerton ABS-3-TECH).....	2,140.76	
23 09 23 53-0028 EA Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1).....	28,789.56	
23 09 23 53-0029 EA Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG).....	21,221.53	
23 09 23 53-0030 EA 150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED)	13,149.83	
23 09 23 53-0031 EA 50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM)	8,352.11	
23 09 23 53-0032 EA 10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS).....	3,292.49	
23 09 23 53-0033 EA 1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100).....	5,638.88	355.44
23 09 23 53-0034 EA Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS)	8,281.32	473.92
23 09 23 53-0035 EA Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS).....	8,178.90	473.92
23 09 23 53-0036 EA V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM).....	3,162.37	355.44
23 09 23 53-0037 EA 1 MS/TP, BACTalk Control Module (Alerton 715000300).....	3,762.61	355.44
23 09 23 53-0038 EA Power Supply, BACTalk Control Module (Alerton BCM-PWS).....	2,977.67	355.44
23 09 23 53-0039 EA 1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX).....	3,624.94	355.44
23 09 23 53-0040 EA Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB).....	8,132.17	355.44
23 09 23 53-0041 EA BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS).....	4,010.82	473.92
23 09 23 53-0042 EA EXP BACnet Controller (Alerton VLX)	8,731.02	947.85
23 09 23 53-0043 EA VLX BACnet High Performance Controller (Alerton VLX-PLATINUM).....	10,044.84	947.85
23 09 23 53-0044 EA Multiple Segment MS/TP Repeater (Alerton MSTP-REP).....	1,307.57	105.53
23 09 23 53-0045 EA 4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD).....	2,637.69	355.44
23 09 23 53-0046 EA 4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7).....	2,776.21	355.44
23 09 23 53-0047 EA 4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD).....	2,297.70	355.44
23 09 23 53-0048 EA 4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A).....	2,490.79	355.44
23 09 23 53-0049 EA 5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAVIH-SD).....	2,482.39	355.44
23 09 23 53-0050 EA 11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACTalk Field Controller For Central Plant Systems (Alerton VLC-1188).....	3,590.52	355.44
23 09 23 53-0051 EA 16 Inputs, BACTalk Field Controller (Alerton VLC-1600).....	2,827.42	355.44
23 09 23 53-0052 EA 16 Inputs, 16 Binary Triac Outputs, BACTalk Field Controller (Alerton VLC-16160).....	4,191.33	473.92
23 09 23 53-0053 EA 4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444).....	1,879.08	236.97
23 09 23 53-0054 EA 5 Inputs, 5 Binary Outputs, BACTalk Field Controller (Alerton VLC-550).....	1,823.66	236.97
23 09 23 53-0055 EA 6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-651R).....	2,503.37	355.44
23 09 23 53-0056 EA 6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-660R).....	2,503.37	355.44
23 09 23 53-0057 EA 8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACTalk Field Controller (Alerton VLC-853).....	2,950.82	355.44
23 09 23 53-0058 EA 16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688).....	5,661.28	473.92
23 09 23 53-0059 EA 2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362).....	2,583.12	355.44
23 09 23 53-0060 EA Wireless Door Contact Sensor (Alerton AL-OC-DS).....	166.21	13.33
23 09 23 53-0061 EA One-Speed BACTalk Microset Wall Sensor (Alerton MS-1010-BT).....	263.93	13.33
23 09 23 53-0062 EA One-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT).....	660.16	13.33
23 09 23 53-0063 EA Three-Speed BACTalk Microset Wall Sensor (Alerton MS-1030-BT).....	660.16	13.33
23 09 23 53-0064 EA Three-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT).....	515.79	13.33
23 09 23 53-0065 EA BACnet-Compliant Wall Sensor (Alerton TS-1050-BT).....	179.99	13.33
23 09 23 53-0066 EA Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT).....	696.27	13.33
23 09 23 53-0067 EA Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT).....	780.23	13.33
23 09 23 53-0068 EA 10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0).....	3,582.13	355.44
23 09 23 53-0069 EA 10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8).....	3,788.63	355.44
23 09 23 53-0070 EA 22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0).....	3,610.67	355.44
23 09 23 53-0071 EA 50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	10,948.96	
23 09 23 53-0072 EA Global Controller Base Unit (Alerton ACM).....	5,936.63	355.44
23 09 23 53-0073 EA External Battery Pack For ACM (Alerton ACM-BATT).....	1,291.62	197.71
23 09 23 53-0074 EA Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032).....	1,001.79	
23 09 23 53-0075 EA Microset 4 Wall Sensor (Alerton MS4-THC).....	1,159.88	13.33



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0076 Automated Logic Controls <small>(23 09 23 53)</small>						
	23 09 23 53-0077	EA		0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	3,999.07	355.44
	23 09 23 53-0078	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	9,177.17	1,066.33
	23 09 23 53-0079	EA		2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	2,853.96	355.44
	23 09 23 53-0080	EA		4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	5,787.86	473.92
	23 09 23 53-0081	EA		8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	5,702.40	473.92
	23 09 23 53-0082	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	9,353.86	947.85
	23 09 23 53-0083	EA		8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	5,146.94	473.92
	23 09 23 53-0084	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320).....	5,058.72	355.44
	23 09 23 53-0085	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	8,841.13	947.85
	23 09 23 53-0086	EA		No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	2,095.56	236.97
	23 09 23 53-0087	EA		With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	2,223.92	236.97
	23 09 23 53-0088	EA		3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	2,990.07	236.97
	23 09 23 53-0089	EA		1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	2,893.93	236.97
	23 09 23 53-0090	EA		Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	2,631.77	355.44
	23 09 23 53-0091	EA		Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	14,749.16	
	23 09 23 53-0092	EA		500 Point, Front End Software For Building Control (Automated Logic WC500).....	9,536.34	
	23 09 23 53-0093	EA		Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	11,866.81	
23 09 23 53-0094 Cypress Envirosystems Controls <small>(23 09 23 53)</small>						
23 09 23 53-0095 Wireless Pneumatic Thermostat <small>(23 09 23 53-0094)</small>						
Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.						
	23 09 23 53-0096	EA		Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP).....	567.67	14.81
				Note: One for every thermostat to be retrofitted.		
				<i>For >50 To 200, Deduct</i>	-28.82	
				<i>For >200, Deduct</i>	-57.59	
	23 09 23 53-0097	EA		Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP).....	567.67	14.81
				Note: One for every thermostat to be retrofitted.		
				<i>For >50 To 200, Deduct</i>	-28.82	
				<i>For >200, Deduct</i>	-57.59	
	23 09 23 53-0098	EA		Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP).....	567.67	14.81
				Note: One for every thermostat to be retrofitted.		
				<i>For >50 To 200, Deduct</i>	-28.82	
				<i>For >200, Deduct</i>	-57.59	
	23 09 23 53-0099	EA		Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP).....	567.67	14.81
				Note: One for every thermostat to be retrofitted.		
				<i>For >50 To 200, Deduct</i>	-28.82	
				<i>For >200, Deduct</i>	-57.59	
	23 09 23 53-0100	EA		Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB).....	644.87	14.81
				Note: One for every thermostat to be retrofitted.		
				<i>For >50 To 200, Deduct</i>	-33.11	
				<i>For >200, Deduct</i>	-66.17	
	23 09 23 53-0101	EA		Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB).....	644.87	14.81
				Note: One for every thermostat to be retrofitted.		
				<i>For >50 To 200, Deduct</i>	-33.11	
				<i>For >200, Deduct</i>	-66.17	
	23 09 23 53-0102	EA		Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB).....	644.87	14.81
				Note: One for every thermostat to be retrofitted.		
				<i>For >50 To 200, Deduct</i>	-33.11	
				<i>For >200, Deduct</i>	-66.17	
	23 09 23 53-0103	EA		Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB).....	662.23	14.81
				Note: One for every thermostat to be retrofitted.		
				<i>For >50 To 200, Deduct</i>	-34.08	
				<i>For >200, Deduct</i>	-68.09	
	23 09 23 53-0104	EA		Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV).....	48.86	14.81
				Note: Optional cover.		
				<i>For >50 To 200, Deduct</i>	-1.89	
				<i>For >200, Deduct</i>	-3.78	
	23 09 23 53-0105	EA		Green Box Controller (Cypress Envirosystems GBC-800-001).....	6,255.36	14.81
				Note: One unit for up to 100 thermostats.		
				<i>For 2, Deduct</i>	-314.86	
				<i>For >2, Deduct</i>	-629.15	
	23 09 23 53-0106	EA		WPT USB Hub (Cypress Envirosystems WPT-800-HUSB).....	463.66	14.81
				Note: One unit for up to 100 thermostats.		
				<i>For 2, Deduct</i>	-24.96	
				<i>For >2, Deduct</i>	-49.87	
	23 09 23 53-0107	EA		WPT Repeater (Cypress Envirosystems WPT-800-RWAL).....	815.47	14.81
				Note: One unit for up to 15 thermostats.		
				<i>For >5 To 10, Deduct</i>	-41.22	
				<i>For >10, Deduct</i>	-82.37	
	23 09 23 53-0108	EA		24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V).....	1,010.28	14.81
				Note: One unit for up to 15 thermostats.		
				<i>For >5 To 10, Deduct</i>	-47.94	
				<i>For >10, Deduct</i>	-95.79	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
23 09 23 53-0109	Delta Controls (23 09 23 53)		
23 09 23 53-0110	Software (23 09 23 53-0109) Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0111 EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB).....	2,494.88	
23 09 23 53-0112 EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB).....	4,066.20	
23 09 23 53-0113 EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB).....	8,810.10	
23 09 23 53-0114 EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB).....	14,015.78	
23 09 23 53-0115 EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB).....	7,238.78	
23 09 23 53-0116 EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	2,494.88	
23 09 23 53-0117 EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01).....	5,883.38	
23 09 23 53-0118 EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02).....	7,238.78	
23 09 23 53-0119 EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB).....	2,639.05	148.11
23 09 23 53-0120 EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I).....	2,770.04	
23 09 23 53-0121	EMCS Central Equipment And Controllers (23 09 23 53-0109)		
23 09 23 53-0122 EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616).....	9,594.96	592.40
	Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup		
23 09 23 53-0123 EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E).....	7,426.32	592.40
23 09 23 53-0124 EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	5,620.25	592.40
23 09 23 53-0125 EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180).....	5,620.25	592.40
23 09 23 53-0126 EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	5,620.25	592.40
23 09 23 53-0127 EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	5,289.97	592.40
23 09 23 53-0128 EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF).....	1,784.57	296.20
23 09 23 53-0129 EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....	1,638.87	296.20
23 09 23 53-0130 EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	1,735.54	296.20
23 09 23 53-0131 EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....	1,638.87	296.20
23 09 23 53-0132 EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616).....	3,649.65	370.25
23 09 23 53-0133 EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440).....	947.68	148.11
23 09 23 53-0134 EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404).....	1,009.12	148.11
23 09 23 53-0135 EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600).....	1,168.44	148.11
23 09 23 53-0136	Network, VAV And Special Sensors (23 09 23 53-0109)		
23 09 23 53-0137 EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24).....	301.36	47.39
23 09 23 53-0138 EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24).....	404.37	53.32
23 09 23 53-0139 EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	771.78	22.22
23 09 23 53-0140	Honeywell Controls (23 09 23 53)		
23 09 23 53-0141	EMCS Central Equipment And Controllers (23 09 23 53-0140)		
23 09 23 53-0142	EMCS Network Area Controllers (BACnet Or Lon) (23 09 23 53-0141) Note: Includes loading software, software license, loading data base and mounting on wall.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0143 EA Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	12,997.80	721.99
23 09 23 53-0144 EA Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	9,123.57	721.99
23 09 23 53-0145 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	7,159.55	721.99
23 09 23 53-0146 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	8,722.45	721.99
23 09 23 53-0147 EA Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	7,105.74	721.99
23 09 23 53-0148 EA Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	7,105.74	721.99
23 09 23 53-0149 EA 16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,646.28	721.99
23 09 23 53-0150 EA 16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,213.71	721.99
23 09 23 53-0151 EA 16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,646.28	721.99
23 09 23 53-0152 EA 16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,213.71	721.99
23 09 23 53-0153 EA 34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,218.61	721.99
23 09 23 53-0154 EA 34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,786.04	721.99
23 09 23 53-0155 EA 34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	8,218.61	721.99
23 09 23 53-0156 EA 34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,786.04	721.99
23 09 23 53-0157 EA Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	8,695.55	721.99
23 09 23 53-0158 EA Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only)..... Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	10,591.08	721.99
23 09 23 53-0159 EA Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ)..... Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	11,175.64	721.99
23 09 23 53-0160 EA Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ)..... Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	13,071.17	721.99
23 09 23 53-0161 EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	11,202.54	721.99
23 09 23 53-0162 EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACES, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	14,815.06	721.99

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23	53-0163		EMCS Network Interfaces <small>(23 09 23 53-0141)</small> Note: Includes installation, start-up and tech labor.		
	23 09 23 53-0164	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,822.47	199.94
	23 09 23 53-0165	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	1,559.54	133.29
	23 09 23 53-0166	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010).....	2,001.30	250.00
	23 09 23 53-0167	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002).....	3,017.56	361.07
	23 09 23 53-0168	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	1,601.41	361.07
	23 09 23 53-0169	EA	FTT Termination Module For Network Bus (Honeywell 209541B).....	123.74	44.43
23 09 23	53-0170		DDC Application Specific Controller Assemblies <small>(23 09 23 53-0141)</small> Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
	23 09 23 53-0171	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	3,039.49	816.45
	23 09 23 53-0172	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	2,484.11	483.22
	23 09 23 53-0173	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	3,272.75	956.41
	23 09 23 53-0174	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	2,717.38	623.18
	23 09 23 53-0175	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	3,600.73	999.78
	23 09 23 53-0176	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	3,184.12	749.10
	23 09 23 53-0177	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	3,850.62	1,149.73
	23 09 23 53-0178	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	3,400.64	879.87
	23 09 23 53-0179	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,717.09	816.34
	23 09 23 53-0180	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,161.71	483.22
	23 09 23 53-0181	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	3,022.63	999.78
	23 09 23 53-0182	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,467.10	666.46
	23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	3,553.10	829.78
	23 09 23 53-0184	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	2,986.62	678.30
	23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	3,858.63	1,149.71
	23 09 23 53-0186	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	3,292.00	764.20
	23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	4,430.18	1,149.71
	23 09 23 53-0188	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	3,924.86	734.58
	23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	5,041.26	1,149.71
	23 09 23 53-0190	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	4,535.79	860.47
23 09 23	53-0191		DDC Programmable Controller Assemblies <small>(23 09 23 53-0141)</small> Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.		
	23 09 23 53-0192	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	3,127.07	883.13
	23 09 23 53-0193	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	3,590.82	883.13
	23 09 23 53-0194	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies.....	4,752.65	1,038.64
	23 09 23 53-0195	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies.....	5,216.40	1,038.64
	23 09 23 53-0196	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	8,502.38	1,216.36
	23 09 23 53-0197	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	9,038.47	1,216.36
23 09 23	53-0198		EMCS Optional DDC Controller Hardware <small>(23 09 23 53-0141)</small> Note: Used to expand the capacity of DDC programmable controller assemblies.		
	23 09 23 53-0199	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) Note: For constant volume single zone and heat pump AHUs.	557.65	
	23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011)..... Note: For constant volume single zone and heat pump AHUs.	644.48	
	23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	675.05	
	23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	637.14	
	23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	646.93	
	23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	632.25	
	23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	544.20	
	23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004).....	473.27	
	23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	693.40	
	23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000).....	620.02	
	23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002).....	684.84	
	23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	1,454.06	
	23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	1,808.71	
	23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	903.74	
	23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010).....	890.29	
	23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027).....	436.58	
	23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	496.51	
	23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	917.19	
	23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	980.79	
	23 09 23 53-0218	EA	AI Module (Honeywell XFL521B).....	613.91	
	23 09 23 53-0219	EA	AO Module (Honeywell XFL522B)	613.91	
	23 09 23 53-0220	EA	DI Module (Honeywell XFL523B).....	613.91	
	23 09 23 53-0221	EA	DO Module (Honeywell XFL524B).....	613.91	
	23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	108.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0223 EA Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	205.45	
23 09 23 53-0224 EA Distributed IO, Terminal Block For DO Modules (Honeywell XSL514).....	201.78	
23 09 23 53-0225 EA Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	617.58	
23 09 23 53-0226 EA Lon Hub (Honeywell XIO-HUB).....	91.72	
23 09 23 53-0227 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	617.58	
23 09 23 53-0228 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI).....	568.66	
23 09 23 53-0229 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	568.66	
23 09 23 53-0230 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	599.23	
23 09 23 53-0231 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	599.23	
23 09 23 53-0232 EA Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	862.16	
23 09 23 53-0233 EA 16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	1,017.47	
Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 53-0234 EA 34 Point IO Module For Network Area Controllers (Honeywell W7750A2005)	2,162.13	
Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		
23 09 23 53-0235	EMCS Software (23 09 23 53-0140)	
23 09 23 53-0236	Software Packages And License (23 09 23 53-0235)	
Note: Includes installation on equipment.		
23 09 23 53-0237 EA On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	689.73	
Note: Requires UI services to be installed on NAC.		
23 09 23 53-0238 EA Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	2,684.63	
Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0239 EA WEBStation-AX Software For Windows (Honeywell WEB-S-AX)	7,704.43	
Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 53-0240 EA Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	4,585.97	
Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		
23 09 23 53-0241 EA Upgrade Small Building To Large Building Software	5,252.77	
Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.		
23 09 23 53-0242 EA Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W)	3,712.90	
Note: One copy is included with WEB-S-AX and WEBStation-AX.		
23 09 23 53-0243 EA WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX)	6,580.66	
Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 53-0244 EA Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX)	900.17	
Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 53-0245 EA Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX).....	612.79	
Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 53-0246 EA Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters	35,446.58	
Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.		
23 09 23 53-0247 EA Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX).....	32,351.43	
Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.		
23 09 23 53-0248 EA Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	12,285.50	
23 09 23 53-0249 EA Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	9,167.05	
23 09 23 53-0250 EA Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500).....	2,650.08	
23 09 23 53-0251 EA Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,650.08	
23 09 23 53-0252 EA Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL).....	18,343.88	
Note: Excludes Oracle.		
23 09 23 53-0253 EA Open System Driver Option (Honeywell WS-SNMP-500).....	2,445.85	
Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 53-0254 EA Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500).....	2,650.08	
23 09 23 53-0255 EA WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003).....	6,930.32	
Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 53-0256 EA WEBStation Additional Node (Honeywell ZW2000B1002).....	2,650.08	
23 09 23 53-0257 EA WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	44,433.76	
23 09 23 53-0258 EA WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	81,528.74	
23 09 23 53-0259 EA WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	142,674.99	
23 09 23 53-0260 EA Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	7,337.55	
23 09 23 53-0261 EA Additional Master WEBStation Software Licenses (Honeywell ZW200G1007).....	3,668.78	
23 09 23 53-0262 EA Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	2,959.58	
23 09 23 53-0263 EA Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055).....	3,234.94	
Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0264	Initial Database Generation (23 09 23 53-0235)	
23 09 23 53-0265 PNT Database Generation For Central Plant.....	99.37	
23 09 23 53-0266 PNT Database Generation For Programmable Controller.....	99.37	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0267 EA Database Generation For Application Specific Controller.....	99.37	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0268 EA Replication Of Database Generation For Application Specific Controller.....	69.17	
Note: Price per copy made.		
23 09 23 53-0269 EA Database Generation For Remote IO Modules, Sensors, Etcetera	69.17	
23 09 23 53-0270 Application Software Programs (23 09 23 53-0235)		
23 09 23 53-0271 EA Basic Application Program Package	4,146.82	
Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.		
23 09 23 53-0272 EA Optimum Start/Stop Program.....	138.63	
Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0273 EA Duty Cycling Program	65.46	
23 09 23 53-0274 EA Hot Deck/Cold Deck Reset Application Program	7,124.09	
23 09 23 53-0275 EA Boiler Optimization Program	9,335.67	
23 09 23 53-0276 EA Chiller Optimization Program	12,646.12	
23 09 23 53-0277 EA Lighting Control Program	6,102.53	
23 09 23 53-0278 EA Demand Limiting Program	121.59	
Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0279 EA Email Alarm Server Configuration.....	4,707.84	
23 09 23 53-0280 Color Graphics Generation (23 09 23 53-0235)		
Note: Priced per page.		
23 09 23 53-0281 EA Single Site Home Page Graphics Page With HTML Navigation Code	2,484.85	
23 09 23 53-0282 EA Multi Site Home Page Graphics Page With HTML Navigation Code	4,411.76	
23 09 23 53-0283 EA Color Graphics Page For Central Plant.....	1,128.98	
23 09 23 53-0284 EA Color Graphics Page For Building Floor Plan	1,042.48	
23 09 23 53-0285 EA Replication Of Color Graphics Page For Central Plant.....	566.34	
23 09 23 53-0286 EA Color Graphics Page For Programmable Controller	1,270.12	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0287 EA Replication Of Color Graphics Page For Programmable Controller	271.61	
Note: Priced per copy made.		
23 09 23 53-0288 EA Color Graphics Page For Application Specific Controller.....	1,174.74	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0289 EA Replication Of Color Graphics Page For Application Specific Cont	117.44	
Note: Priced per copy made.		
23 09 23 53-0290 Sensors, Actuators And Control Devices (23 09 23 53-0140)		
Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 53-0291 Special Sensors (23 09 23 53-0290)		
23 09 23 53-0292 EA Dewpoint Sensor (Honeywell C7232B1014).....	2,226.61	91.68
23 09 23 53-0293 EA Enthalpy Sensor -25 To 125 F	2,321.10	91.68
23 09 23 53-0294 EA Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	1,116.64	183.35
23 09 23 53-0295 EA Freezestat (Honeywell L482A1004).....	784.19	305.53
23 09 23 53-0296 EA Wall Mounted Occupancy Sensor.....	545.69	91.68
23 09 23 53-0297 EA Ceiling Mounted Occupancy Sensor.....	441.52	91.68
23 09 23 53-0298 EA I/P Positioner With Gauge.....	518.79	91.68
23 09 23 53-0299 EA Non Communicating Duct Mounted Smoke Detector With Sampling Tube	621.99	91.68
23 09 23 53-0300 EA EP Transducer.....	518.79	61.16
23 09 23 53-0301 EA Electric Heat Sequencer	830.93	122.18
23 09 23 53-0302 Meters (23 09 23 53-0290)		
23 09 23 53-0303 EA 208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer.....	5,283.95	733.10
23 09 23 53-0304 EA 208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface.....	7,713.73	855.28
23 09 23 53-0305 EA 1 To 300 Amperes, Current Transformer For KW Meter	1,885.21	305.53
23 09 23 53-0306 EA 300 To 800 Amperes, Current Transformer For KW Meter.....	2,128.68	305.53
23 09 23 53-0307 EA 800 To 2,400 Amperes, Current Transformer For KW Meter	2,595.62	305.53
23 09 23 53-0308 Direct Coupled Actuators (23 09 23 53-0290)		
23 09 23 53-0309 EA 44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	718.15	120.53
23 09 23 53-0310 EA 88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	786.75	120.53
23 09 23 53-0311 EA 175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	904.69	120.53
23 09 23 53-0312 EA 44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	678.02	120.53
23 09 23 53-0313 EA 88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	751.78	120.53
23 09 23 53-0314 EA 175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	824.83	120.53
23 09 23 53-0315 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	755.82	120.53
23 09 23 53-0316 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	861.00	120.53
23 09 23 53-0317 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	974.54	120.53
23 09 23 53-0318 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	623.29	120.53



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0319	EA		88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	679.30	120.53
23 09 23 53-0320	EA		175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	791.82	120.53
23 09 23 53-0321	EA		175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	844.79	120.53
23 09 23 53-0322	EA		300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	844.13	120.53
23 09 23 53-0323	EA		300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	989.37	120.53
23 09 23 53-0324	EA		Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	646.25	120.53
23 09 23 53-0325	EA		Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	1,114.65	120.53
23 09 23 53-0326	EA		Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	492.11	120.53
23 09 23 53-0327	EA		Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	740.67	120.53
23 09 23 53-0328			Thermostats (23 09 23 53-0140)		
23 09 23 53-0329			Electric And Electronic Thermostats (23 09 23 53-0328)		
			Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0330	EA		Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018).....	246.51	22.22
23 09 23 53-0331	EA		Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320).....	263.89	22.22
23 09 23 53-0332	EA		Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110).....	244.58	22.22
23 09 23 53-0333	EA		Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220).....	271.04	22.22
23 09 23 53-0334	EA		Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320).....	290.93	22.22
23 09 23 53-0335	EA		Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321).....	418.40	22.22
23 09 23 53-0336	EA		Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F).....	599.94	22.22
23 09 23 53-0337	EA		Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H).....	958.91	22.22
23 09 23 53-0338	EA		Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M).....	1,021.28	22.22
23 09 23 53-0339			Pneumatic Thermostats (23 09 23 53-0328)		
			Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0340	EA		Pneumatic Thermostat (Honeywell TP970B2182).....	328.95	22.22
23 09 23 53-0341			Thermostats Guards (23 09 23 53-0328)		
23 09 23 53-0342	EA		9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009).....	81.99	22.22
23 09 23 53-0343	EA		7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511).....	96.48	22.22
23 09 23 53-0344	EA		5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	91.26	22.22
23 09 23 53-0345			Johnson Controls (23 09 23 53)		
23 09 23 53-0346			Software (23 09 23 53-0345)		
			Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0347	EA		5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	19,727.56	
23 09 23 53-0348	EA		10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	23,317.33	
23 09 23 53-0349	EA		N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	1,220.77	
23 09 23 53-0350	EA		N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2).....	1,812.37	
23 09 23 53-0351	EA		BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0).....	3,154.42	
23 09 23 53-0352	EA		BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0).....	1,230.79	
23 09 23 53-0353	EA		New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0).....	1,224.11	
23 09 23 53-0354	EA		Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6).....	492.34	
23 09 23 53-0355			Supervisory Controllers (23 09 23 53-0345)		
23 09 23 53-0356	EA		NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2).....	9,370.14	592.40
23 09 23 53-0357	EA		NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2).....	14,104.42	592.40
23 09 23 53-0358	EA		NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1).....	18,849.19	592.40
23 09 23 53-0359	EA		NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0).....	7,546.52	592.40
23 09 23 53-0360			Controllers (23 09 23 53-0345)		
23 09 23 53-0361	EA		10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	1,095.49	148.11
23 09 23 53-0362	EA		10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0).....	1,411.17	296.20

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0363 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	1,909.28	296.20
23 09 23 53-0364 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	2,224.95	296.20
23 09 23 53-0365 EA BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0).....	914.39	148.11
23 09 23 53-0366 EA BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	994.88	148.11
23 09 23 53-0367 EA BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0).....	1,115.62	148.11
23 09 23 53-0368 EA 17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0).....	1,131.72	148.11
23 09 23 53-0369 EA BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	2,307.08	296.20
23 09 23 53-0370 EA 32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0).....	1,110.15	148.11
23 09 23 53-0371 EA 32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0).....	1,569.22	148.11
Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications		
23 09 23 53-0372 Master FX Controllers (23 09 23 53-0345)		
23 09 23 53-0373 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	2,860.85	296.20
23 09 23 53-0374 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	3,051.60	296.20
23 09 23 53-0375 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	3,146.39	296.20
23 09 23 53-0376 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	3,088.78	296.20
23 09 23 53-0377 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	2,998.76	296.20
23 09 23 53-0378 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	3,013.19	296.20
23 09 23 53-0379 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	2,998.76	296.20
23 09 23 53-0380 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	3,051.81	296.20
23 09 23 53-0381 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	3,216.55	296.20
23 09 23 53-0382 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	3,326.37	296.20
23 09 23 53-0383 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	3,271.45	296.20
23 09 23 53-0384 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	3,159.05	296.20
23 09 23 53-0385 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	3,051.81	296.20
23 09 23 53-0386 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	3,216.55	296.20
23 09 23 53-0387 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	3,326.37	296.20
23 09 23 53-0388 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	3,271.45	296.20
23 09 23 53-0389 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	3,159.05	296.20
23 09 23 53-0390 EA N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	342.68	74.05
23 09 23 53-0391 EA LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	477.83	74.05
23 09 23 53-0392 EA RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	380.62	74.05
23 09 23 53-0393 EA BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	342.68	74.05
23 09 23 53-0394 EA Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	941.82	74.05
23 09 23 53-0395 EA Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	872.30	74.05
23 09 23 53-0396 EA 5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	888.58	74.05
23 09 23 53-0397 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	888.58	74.05
23 09 23 53-0398 EA 5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	969.89	74.05
23 09 23 53-0399 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	969.89	74.05
23 09 23 53-0400 EA 6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	1,203.64	74.05
23 09 23 53-0401 EA 6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	1,203.64	74.05
23 09 23 53-0402 EA 6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	1,335.77	74.05
23 09 23 53-0403 EA 6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	1,335.77	74.05
23 09 23 53-0404 VAV, Network And Special Sensors (23 09 23 53-0345)		
23 09 23 53-0405 EA 3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	620.13	47.39
23 09 23 53-0406 EA 3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	220.97	47.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0407 EA 3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	484.52	47.39
23 09 23 53-0408 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	714.69	47.39
23 09 23 53-0409 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	250.85	47.39
23 09 23 53-0410 EA 3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	649.80	47.39
23 09 23 53-0411 Sensors - Hard Wired Type (23 09 23 53-0345)		
23 09 23 53-0412 EA Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	231.29	85.31
23 09 23 53-0413 EA Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	186.79	47.39
23 09 23 53-0414 EA BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2)..... Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	487.17	22.22
23 09 23 53-0415 EA BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2)..... Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.	652.37	22.22
23 09 23 53-0416 EA BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2)..... Note: For VVT systems.	488.08	22.22
23 09 23 53-0417 EA BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	635.05	47.39
23 09 23 53-0418 EA BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	778.02	47.39
23 09 23 53-0419 Melink Intelli-Hood IH3 Controls (23 09 23 53)		
23 09 23 53-0420 Kitchen Ventilation Controllers (23 09 23 53-0419)		
23 09 23 53-0421 EA Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001)..... Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.	10,752.16	592.40
23 09 23 53-0422 EA Graphical User Interface (Melink Intelli-Hood 2KPD-3001)..... Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.	1,945.87	122.18
23 09 23 53-0423 EA Hood Controller (Melink Intelli-Hood 2SEN-3001)..... Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	3,327.55	493.18
23 09 23 53-0424 Kitchen Ventilation Sensors (23 09 23 53-0419)		
23 09 23 53-0425 EA Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q)..... Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	592.22	85.31
23 09 23 53-0426 EA Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28)..... Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	4,973.87	473.92
23 09 23 53-0427 Siemens Controls (23 09 23 53)		
23 09 23 53-0428 EA Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083).....	470.82	22.22
23 09 23 53-0429 EA Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085).....	338.34	22.22
23 09 23 53-0430 EA SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	371.33	100.05
23 09 23 53-0431 EA -0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591).....	540.45	100.05
23 09 23 53-0432 EA Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	78.78	14.81
23 09 23 53-0433 EA Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001).....	265.25	148.11
23 09 23 53-0434 EA 3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012).....	426.38	25.60
23 09 23 53-0435 EA 1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	752.64	46.48
23 09 23 53-0436 EA 1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203).....	1,495.51	46.48
23 09 23 53-0437 EA 1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006).....	1,273.07	58.89
23 09 23 53-0438 EA 36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	365.31	85.31
23 09 23 53-0439 EA -58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768).....	296.37	47.39
23 09 23 53-0440 EA Unit Conditioner Controller With Secure Mode (Siemens 540-110C).....	1,641.31	236.97
23 09 23 53-0441 EA 9-Pin, Female To RJ-11 Cable (Siemens 540-143).....	114.72	7.40
23 09 23 53-0442 EA Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,862.86	236.97
23 09 23 53-0443 EA MMI Extension Cable (Siemens 545-712).....	187.85	7.40
23 09 23 53-0444 EA Remote Pressure Transmitter (Siemens 547-003).....	1,466.24	47.39
23 09 23 53-0445 EA Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	990.31	118.48
23 09 23 53-0446 EA BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	812.11	118.48
23 09 23 53-0447 EA Door Lock And Key Assembly (Siemens 567-225).....	47.79	29.62
23 09 23 53-0448 EA Insight Advanced Software Package (Siemens 571-010-381-USB)..... Note: Includes one user license and one sentinel key.	14,727.31	
23 09 23 53-0449 EA BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	604.42	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0450 EA Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	3,312.55	
23 09 23 53-0451 EA 1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	501.19	15.46
23 09 23 53-0452 EA 2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	1,049.91	26.79
23 09 23 53-0453 EA Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	14,232.95	592.40
23 09 23 53-0454 EA SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	15,946.23	592.40
23 09 23 53-0455 EA 7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	184.47	22.22
23 09 23 53-0456 EA Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	720.94	120.53
23 09 23 53-0457 EA Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	750.67	120.53
23 09 23 53-0458 EA License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36- PE.A (Siemens LSM-36.A)	4,257.24	
23 09 23 53-0459 EA License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	859.65	
23 09 23 53-0460 EA License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	2,766.70	
23 09 23 53-0461 EA License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM- FPWEB).....	1,980.57	
23 09 23 53-0462 EA License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,702.60	
23 09 23 53-0463 EA License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	5,033.64	
23 09 23 53-0464 EA 16-Switch HOA Upgrade Kit (Siemens PXA16-M)	806.24	2.96
23 09 23 53-0465 EA 16-Switch HOA Upgrade Kit (Extended Temp. UL 916) With HMI Cable (Siemens PXA16-MR)	899.12	11.85
23 09 23 53-0466 EA 8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	458.42	2.96
23 09 23 53-0467 EA 18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	539.83	29.62
23 09 23 53-0468 EA 19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	873.66	29.62
23 09 23 53-0469 EA 34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	1,166.83	29.62
23 09 23 53-0470 EA Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24- Point Compact Series (Siemens PXA-HMI.CABLEP5).....	45.71	14.81
23 09 23 53-0471 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	1,099.44	74.05
23 09 23 53-0472 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	1,577.16	74.05
23 09 23 53-0473 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	1,275.44	74.05
23 09 23 53-0474 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	1,778.33	74.05
23 09 23 53-0475 EA PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	8,323.22	829.37
23 09 23 53-0476 EA PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	6,622.29	236.97
23 09 23 53-0477 EA Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	10,950.98	947.85
23 09 23 53-0478 EA 16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	3,842.19	444.31
23 09 23 53-0479 EA 16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	4,183.23	444.31
23 09 23 53-0480 EA 16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	3,957.26	444.31
23 09 23 53-0481 EA 24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	4,788.56	473.92
23 09 23 53-0482 EA 24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	5,024.04	473.92
23 09 23 53-0483 EA 24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	4,965.62	473.92
23 09 23 53-0484 EA 24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2- ERF.A).....	5,176.61	473.92
23 09 23 53-0485 EA 24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	4,960.30	473.92
23 09 23 53-0486 EA 24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A).....	5,175.16	473.92
23 09 23 53-0487 EA 36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A).....	7,798.24	829.37
23 09 23 53-0488 EA 36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	12,146.35	947.85
23 09 23 53-0489 EA License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXC-TXIO.A)	1,277.20	
23 09 23 53-0490 EA Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	744.42	59.24
23 09 23 53-0491 EA Controller Mounted Operator Display Module (Siemens PXM10T).....	902.71	118.48
23 09 23 53-0492 EA Provides FLN Support For The PXC Modular (Siemens PXX-485.3)	871.82	29.62
Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported		
23 09 23 53-0493 EA Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN).....	439.27	85.31
23 09 23 53-0494 EA Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	301.44	47.39
23 09 23 53-0495 EA 4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	197.38	47.39
23 09 23 53-0496 EA 8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	256.89	85.31
23 09 23 53-0497 EA 24" Flexible Averaging Probe (Siemens QAM2012.750).....	398.91	85.31
23 09 23 53-0498 EA 2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	318.57	85.31
23 09 23 53-0499 EA 10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	3,579.25	477.18
23 09 23 53-0500 EA Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	42.11	14.81
23 09 23 53-0501 EA Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.84	
23 09 23 53-0502 EA 16 Digital Input Module (Siemens TXM1.16D).....	677.01	14.81
23 09 23 53-0503 EA 6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	1,002.39	14.81
23 09 23 53-0504 EA 8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,583.07	29.62
23 09 23 53-0505 EA 1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4).....	573.75	47.39

23 09 23 53-0506 Trane Controls (23 09 23 53)**23 09 23 53-0507 Software (23 09 23 53-0506)**

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0508 EA Summit + Building Management Package (Trane 40201152).....	7,357.35	
23 09 23 53-0509 EA Summit Current Version Software (Trane 40201111).....	4,192.89	
23 09 23 53-0510 EA Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	991.92	
23 09 23 53-0511 EA Rover Service Software And Hardware, Complete Kit (Trane X1365150001).....	4,168.06	
23 09 23 53-0512 EA Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA11000)	11,365.82	



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

23 09 23 53-0513

EMCS Central Equipment And Controllers (23 09 23 53-0506)

23 09 23 53-0514	EA	Summit BTMX Operator Display Upgrade (Trane 40201224).....	7,178.60	592.40
23 09 23 53-0515	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	15,228.85	592.40
23 09 23 53-0516	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532).....	15,228.85	592.40
23 09 23 53-0517	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00).....	13,480.86	592.40
23 09 23 53-0518	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	15,513.23	592.40
23 09 23 53-0519	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	249.29	37.03
23 09 23 53-0520	EA	Summit Comm5 Repeater (Trane 49500457).....	1,930.76	296.20
23 09 23 53-0521	EA	AHU Controller MP580/581 E Board Only (Trane 40201157).....	3,185.09	370.25
23 09 23 53-0522	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01).....	4,064.72	444.31
23 09 23 53-0523	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00).....	3,256.99	444.31
23 09 23 53-0524	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	2,801.28	444.31
23 09 23 53-0525	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491).....	2,798.73	444.31
23 09 23 53-0526	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590).....	1,225.16	148.11
23 09 23 53-0527	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490).....	1,124.76	148.11
23 09 23 53-0528	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500).....	2,048.81	296.20
23 09 23 53-0529	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499).....	1,965.55	296.20
23 09 23 53-0530	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569).....	1,087.98	148.11
23 09 23 53-0531	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469).....	967.08	148.11
23 09 23 53-0532	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596).....	1,385.47	148.11
23 09 23 53-0533	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496).....	1,265.23	148.11
23 09 23 53-0534	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049).....	1,098.74	148.11
23 09 23 53-0535	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496).....	1,052.56	148.11
23 09 23 53-0536	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570).....	1,194.35	148.11
23 09 23 53-0537	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470).....	1,098.74	148.11
23 09 23 53-0538	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	1,593.86	296.20
23 09 23 53-0539	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO).....	1,712.76	296.20

23 09 23 53-0540

Network, VAV And Special Sensors (23 09 23 53-0506)

23 09 23 53-0541	EA	Digital Display Zone Sensor (Trane X13790464010).....	255.47	47.39
23 09 23 53-0542	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010).....	177.59	47.39
23 09 23 53-0543	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010).....	164.46	47.39
23 09 23 53-0544	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01).....	312.51	53.32
23 09 23 53-0545	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	195.54	47.39
23 09 23 53-0546	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120).....	195.54	47.39
23 09 23 53-0547	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010).....	645.82	85.31
23 09 23 53-0548	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010).....	577.31	47.39
23 09 23 53-0549	EA	Transformer 120/24 40 VA (Trane X13550284010).....	157.89	47.39
23 09 23 53-0550	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	153.20	47.39
23 09 23 53-0551	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022).....	145.69	47.39
23 09 23 53-0552	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,760.26	296.20
23 09 23 53-0553	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,696.11	296.20
23 09 23 53-0554	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010).....	1,562.25	296.20
23 09 23 53-0555	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	2,725.00	444.31
23 09 23 53-0556	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	1,562.25	296.20
23 09 23 53-0557	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011).....	1,630.15	296.20
23 09 23 53-0558	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011).....	1,635.44	296.20
23 09 23 53-0559	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898).....	622.43	294.95
23 09 23 53-0560	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	848.41	294.95
23 09 23 53-0561	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011).....	3,009.30	444.31
23 09 23 53-0562	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010).....	2,906.09	444.31
23 09 23 53-0563	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010).....	181.35	59.02
23 09 23 53-0564	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010).....	613.38	59.02
23 09 23 53-0565	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	3,073.11	444.31
23 09 23 53-0566	EA	BACnet Term (2 Pack) (Trane X1365152401)	292.48	106.18
23 09 23 53-0567	EA	Tracer ES Add License (Trane X40250125010).....	3,733.91	
23 09 23 53-0568	EA	Kit - Tracer TU For Controls (Trane X4509151201).....	5,469.76	592.40
23 09 23 53-0569	EA	Kit - Tracer TU Complete (Trane X4509151301).....	7,042.35	592.40
23 09 23 53-0570	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010).....	690.32	106.18
23 09 23 53-0571	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	413.52	106.18
23 09 23 53-0572	EA	Sensor Wireless Display Sensor (Trane X13790822010).....	462.32	106.18
23 09 23 53-0573	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010).....	418.22	106.18
23 09 23 53-0574	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010).....	553.20	106.18
23 09 23 53-0575	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010).....	599.17	106.18

23 09 23 53-0576

Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23 53)

23 09 23 53-0577

Current Switches And Current Sensors (23 09 23 53-0576)

23 09 23 53-0578	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203).....	167.27	47.39
23 09 23 53-0579	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205).....	172.90	47.39
23 09 23 53-0580	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L).....	255.47	47.39
23 09 23 53-0581	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24).....	159.77	47.39
23 09 23 53-0582	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA).....	446.88	47.39
23 09 23 53-0583	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC).....	292.76	47.39
23 09 23 53-0584	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	228.43	47.39
23 09 23 53-0585	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721).....	228.43	47.39

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0586 EA Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC).....	5,661.92	236.97
23 09 23 53-0587 EA 100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2)..... Note: 3 phase networked transducer.	1,433.41	47.39
23 09 23 53-0588 EA 2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163- 2400-4-3).....	2,167.73	47.39
23 09 23 53-0589 EA Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV).....	243.54	47.39
23 09 23 53-0590 EA Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800).....	389.93	125.89
23 09 23 53-0591 EA Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900).....	389.38	125.89
23 09 23 53-0592 EA Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708).....	411.90	125.89
23 09 23 53-0593 EA Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908).....	417.53	125.89
23 09 23 53-0594 EA Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904).....	449.43	125.89
23 09 23 53-0595 EA Toggle Switch.....	162.38	59.24
23 09 23 53-0596 EA Maintained Pushbutton Switch.....	171.57	59.24
23 09 23 53-0597 EA Manual Time Switch.....	258.25	59.24
23 09 23 53-0598 EA Emergency Stop Switch.....	413.23	59.24
23 09 23 53-0599 EA Float Switch.....	426.73	59.24
23 09 23 53-0600 EA Break Glass Switch.....	1,300.95	59.24
23 09 23 53-0601 EA Boiler E-Stop Switch.....	857.52	59.24
23 09 23 53-0602 Relays (23 09 23 53-0576)		
23 09 23 53-0603 EA DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V).....	141.94	47.39
23 09 23 53-0604 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	153.48	47.39
23 09 23 53-0605 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B)..... Note: Box type.	213.53	59.24
23 09 23 53-0606 EA Motor Starter Interface, 300msec Pulse (Kele PIL-2).....	257.01	47.39
23 09 23 53-0607 EA DP Relay Socket, DIN Rail Mounted (Kele SH2B-05).....	133.57	47.39
23 09 23 53-0608 EA SP Relay Socket, DIN Rail Mounted (Kele SH1B-05).....	131.88	47.39
23 09 23 53-0609 EA SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V).....	141.94	47.39
23 09 23 53-0610 EA DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V).....	147.21	47.39
23 09 23 53-0611 EA SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V).....	148.66	47.39
23 09 23 53-0612 EA SPDT Pilot Relay, Universal (Kele RIBU1C)..... Note: Box type.	164.91	59.24
23 09 23 53-0613 EA SPST Pilot Relay With HOA Switch (Kele RIBU1S)..... Note: Box type.	212.01	59.24
23 09 23 53-0614 EA SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400).....	357.28	59.24
23 09 23 53-0615 EA SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450).....	355.19	59.24
23 09 23 53-0616 Transformers (23 09 23 53-0576)		
23 09 23 53-0617 EA 50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA).....	166.03	47.39
23 09 23 53-0618 EA 75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB).....	179.13	47.39
23 09 23 53-0619 EA 75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA).....	179.13	47.39
23 09 23 53-0620 EA 100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB).....	190.99	47.39
23 09 23 53-0621 EA 100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA).....	198.29	47.39
23 09 23 53-0622 Power Supplies (23 09 23 53-0576)		
23 09 23 53-0623 EA Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	239.73	47.39
23 09 23 53-0624 EA AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2).....	276.08	47.39
23 09 23 53-0625 EA DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	259.69	47.39
23 09 23 53-0626 EA DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D).....	267.44	47.39
23 09 23 53-0627 EA DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	260.54	47.39
23 09 23 53-0628 EA DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P).....	272.10	47.39
23 09 23 53-0629 EA DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C).....	208.48	47.39
23 09 23 53-0630 Control Damper Actuators (23 09 23 53-0576)		
23 09 23 53-0631 EA 44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	572.74	120.71
23 09 23 53-0632 EA 90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR).....	612.30	120.71
23 09 23 53-0633 EA 90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP).....	677.12	120.71
23 09 23 53-0634 EA 175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR).....	708.09	120.71
23 09 23 53-0635 EA 90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	726.47	120.71
23 09 23 53-0636 EA 360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR).....	798.74	120.71
23 09 43 Pneumatic Control System For HVAC (23 09)		
23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices (23 09 43)		
23 09 43 00-0002 Polyurethane Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0003 LF 1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing.....	2.97	1.22
23 09 43 00-0004 LF 5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	3.64	1.25
23 09 43 00-0005 LF 3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	4.61	1.29
23 09 43 00-0006 LF 1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	5.71	1.33



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0007				Fire Resistant Polyethylene Pneumatic Tubing (23 09 43 00-0001)		
			LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.71	1.22
			LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.89	1.25
			LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.24	1.29
			LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.91	1.33
23 09 43 00-0012				Nylon Pneumatic Tubing (23 09 43 00-0001)		
			LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	3.09	1.18
			LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	3.95	1.22
			LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	5.72	1.29
			LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	7.20	1.33
23 09 43 00-0017				Flexible Vinyl Pneumatic Tubing (23 09 43 00-0001)		
			LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.05	1.22
			LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.64	1.29
			LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.49	1.33
			LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	6.59	1.36
			LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	7.39	1.40
			LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	9.92	1.44
23 09 43 00-0024				Braided Vinyl Pneumatic Tubing (23 09 43 00-0001)		
			LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	4.01	1.36
			LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	4.58	1.40
			LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	5.59	1.44
23 09 43 00-0028				Copper Pneumatic Tubing (23 09 43 00-0001)		
			LF	1/4" Outside Diameter Copper Pneumatic Tubing	6.63	2.62
			LF	3/8" Outside Diameter Copper Pneumatic Tubing	8.05	3.02
			LF	1/2" Outside Diameter Copper Pneumatic Tubing	9.33	3.47
			LF	5/8" Outside Diameter Copper Pneumatic Tubing	11.48	4.00
			LF	3/4" Outside Diameter Copper Pneumatic Tubing	13.07	4.60
23 09 43 00-0034				Brass Couplings (23 09 43 00-0001)		
				See CSI section 22 11 16 00-0368 for copper tubing.		
23 09 43 00-0035				Straight Brass Couplings (23 09 43 00-0034)		
				Note: Barb x Barb		
			EA	1/4" x 1/4" Straight Brass Coupling	13.95	6.63
			EA	3/8" x 1/4" Straight Brass Coupling	14.07	6.63
			EA	3/8" x 3/8" Straight Brass Coupling	14.18	6.63
23 09 43 00-0039				Elbow Brass Couplings (23 09 43 00-0034)		
				Note: Barb x Barb		
			EA	1/4" x 1/4" Elbow Brass Coupling	14.60	6.63
			EA	3/8" x 3/8" Elbow Brass Coupling	14.99	6.63
23 09 43 00-0042				Tee Brass Couplings (23 09 43 00-0034)		
				Note: Barb x Barb		
			EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	22.39	10.31
			EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	25.28	11.04
			EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	24.86	11.04

23 10 Facility Fuel Systems (23)

23 11 Facility Fuel Piping (23 10)

23 11 23 Facility Natural-Gas Piping (23 11)

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

23 11 23 00-0001				Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping (23 11 23)		
23 11 23 00-0002				Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)		
				Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
			LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.70	2.58
			LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.34	2.80
			LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.65	3.02
			LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	10.64	3.20
			LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	12.35	3.36
			LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	18.04	3.50
			LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.97	3.72

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 11 23 00-0010		Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>	
23 11 23 00-0011		Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>	
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.48
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.48
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.77
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.77
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.89
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.05
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.05
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	87.01
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	153.13
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	243.23
23 11 23 00-0022		Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>	
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	31.65
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.77
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.77
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.89
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.89
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	52.00
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	52.00
23 11 23 00-0030		Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>	
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.39
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	52.75
23 11 23 00-0033		Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>	
23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.52
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.79
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.22
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	77.95
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	139.86
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	265.92
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	436.51
23 11 23 00-0041		Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>	
23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	57.92
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	88.12
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	134.50
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	224.73
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	241.27
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	275.85
23 11 23 00-0048		Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>	
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.90
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.38
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.68
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	55.41
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.11
23 11 23 00-0054		Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0055 EA 3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.15	
23 11 23 00-0056 EA 1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.49	
23 11 23 00-0057 EA 3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	49.27	
23 11 23 00-0058 EA 1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	57.25	
23 11 23 00-0059 EA 1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	57.25	
23 11 23 00-0060 Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0061 EA 3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	71.15	
23 11 23 00-0062 EA 1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	72.96	
23 11 23 00-0063 EA 3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	76.12	
23 11 23 00-0064 EA 1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	111.40	
23 11 23 00-0065 EA 1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	115.39	
23 11 23 00-0066 EA 1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	159.00	
23 11 23 00-0067 EA 2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	193.72	
23 11 23 00-0068 Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0069 EA 3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	74.29	
23 11 23 00-0070 EA 1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	76.04	
23 11 23 00-0071 EA 3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	82.59	
23 11 23 00-0072 EA 1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	136.14	
23 11 23 00-0073 EA 1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	140.34	
23 11 23 00-0074 EA 1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	186.81	
23 11 23 00-0075 EA 2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	231.40	
23 11 23 00-0076 Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0077 EA 1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.00	
23 11 23 00-0078 EA 3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.08	
23 11 23 00-0079 EA 1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	63.40	
23 11 23 00-0080 EA 1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	93.60	
23 11 23 00-0081 EA 1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	174.19	
23 11 23 00-0082 EA 2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	272.41	
23 11 23 00-0083 Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
Note: Includes mounting plate.		
23 11 23 00-0084 EA 1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.55	
23 11 23 00-0085 EA 3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.58	
23 11 23 00-0086 EA 1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.58	
23 11 23 00-0087 EA 1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.68	
23 11 23 00-0088 EA 3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.33	
23 11 23 00-0089 EA 1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	43.49	
23 11 23 00-0090 EA 1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	51.26	
23 11 23 00-0091 Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092 EA 1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	98.37	27.10
23 11 23 00-0093 EA 3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	109.87	28.45
23 11 23 00-0094 Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0095 EA 3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	73.07	23.71
23 11 23 00-0096 EA 1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	85.39	28.18
23 11 23 00-0097 EA 3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	104.33	33.88
23 11 23 00-0098 EA 1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	132.15	45.25

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0099 Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <i>(23 11 23 00-0010)</i> Note: Includes mounting hardware.		
23 11 23 00-0100 EA 1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	89.22	28.18
23 11 23 00-0101 EA 3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	102.32	33.88
23 11 23 00-0102 EA 1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	94.40	28.18
23 11 23 00-0103 EA 3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	105.68	33.88
23 11 23 00-0104 EA 2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	213.25	84.68
23 11 23 00-0105 Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <i>(23 11 23 00-0010)</i>		
23 11 23 00-0106 EA 1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	93.41	28.18
23 11 23 00-0107 EA 1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	93.41	28.18
23 11 23 00-0108 EA 1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	124.37	28.18
23 11 23 00-0109 EA 3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	135.65	33.88
23 11 23 00-0110 EA 3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	135.65	33.88
23 11 23 00-0111 EA 1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	158.23	45.25
23 11 23 00-0112 EA 1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	226.89	50.81
23 11 23 00-0113 EA 1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	118.89	28.18
23 11 23 00-0114 EA 3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	275.86	33.88
23 11 23 00-0115 EA 1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	652.43	50.81
23 11 23 00-0116 Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) <i>(23 11 23)</i>		
23 11 23 00-0117 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <i>(23 11 23 00-0116)</i>		
23 11 23 00-0118 EA 12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12).....	57.76	20.33
23 11 23 00-0119 EA 18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18).....	63.23	21.67
23 11 23 00-0120 EA 24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24).....	68.48	21.67
23 11 23 00-0121 EA 30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30).....	71.81	23.03
23 11 23 00-0122 EA 36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36).....	76.03	23.03
23 11 23 00-0123 EA 48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48).....	85.43	24.39
23 11 23 00-0124 EA 60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60).....	93.97	24.39
23 11 23 00-0125 EA 72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72).....	102.41	25.74
23 11 23 00-0126 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <i>(23 11 23 00-0116)</i>		
23 11 23 00-0127 EA 12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12).....	57.76	20.33
23 11 23 00-0128 EA 18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18).....	63.23	21.67
23 11 23 00-0129 EA 24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	68.48	21.67
23 11 23 00-0130 EA 30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	71.81	23.03
23 11 23 00-0131 EA 36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	76.03	23.03
23 11 23 00-0132 EA 48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	85.43	24.39
23 11 23 00-0133 EA 60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	93.97	24.39
23 11 23 00-0134 EA 72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	102.41	25.74
23 11 23 00-0135 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <i>(23 11 23 00-0116)</i>		
23 11 23 00-0136 EA 12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	57.76	20.33
23 11 23 00-0137 EA 18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	63.23	21.67
23 11 23 00-0138 EA 24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	68.48	21.67
23 11 23 00-0139 EA 30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	71.81	23.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0140 EA 36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	76.03	23.03
23 11 23 00-0141 EA 48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	85.43	24.39
23 11 23 00-0142 EA 60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	93.97	24.39
23 11 23 00-0143 EA 72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	102.41	25.74
23 11 23 00-0144 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0145 EA 12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	57.76	20.33
23 11 23 00-0146 EA 18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	63.23	21.67
23 11 23 00-0147 EA 24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	81.48	21.67
23 11 23 00-0148 EA 30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	71.81	23.03
23 11 23 00-0149 EA 36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	76.03	23.03
23 11 23 00-0150 EA 48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	85.43	24.39
23 11 23 00-0151 EA 60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	93.97	24.39
23 11 23 00-0152 EA 72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	102.41	25.74
23 11 23 00-0153 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0154 EA 12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	62.77	20.33
23 11 23 00-0155 EA 18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	69.45	21.67
23 11 23 00-0156 EA 24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	68.48	21.67
23 11 23 00-0157 EA 30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	79.75	23.03
23 11 23 00-0158 EA 36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	76.03	23.03
23 11 23 00-0159 EA 48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	85.43	24.39
23 11 23 00-0160 EA 60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	93.97	24.39
23 11 23 00-0161 EA 72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	102.41	25.74
23 11 23 00-0162 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0163 EA 12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	57.76	20.33
23 11 23 00-0164 EA 24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	75.84	21.67
23 11 23 00-0165 EA 30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	71.81	23.03
23 11 23 00-0166 EA 36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	76.03	23.03
23 11 23 00-0167 EA 48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	85.43	24.39
23 11 23 00-0168 EA 60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	107.22	24.39
23 11 23 00-0169 EA 72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	102.41	25.74
23 11 23 00-0170 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0171 EA 12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	57.76	20.33
23 11 23 00-0172 EA 18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	63.23	21.67
23 11 23 00-0173 EA 24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	68.48	21.67
23 11 23 00-0174 EA 30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	71.81	23.03
23 11 23 00-0175 EA 36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	76.03	23.03
23 11 23 00-0176 EA 48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	85.43	24.39

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0177 EA 60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	93.97	24.39
23 11 23 00-0178 EA 72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	102.41	25.74
23 11 23 00-0179 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0180 EA 12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	57.76	20.33
23 11 23 00-0181 EA 18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	63.23	21.67
23 11 23 00-0182 EA 24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	68.48	21.67
23 11 23 00-0183 EA 30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	71.81	23.03
23 11 23 00-0184 EA 36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	76.03	23.03
23 11 23 00-0185 EA 48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	85.43	24.39
23 11 23 00-0186 EA 60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	93.97	24.39
23 11 23 00-0187 EA 72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	102.41	25.74
23 11 23 00-0188 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0189 EA 18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	69.45	21.67
23 11 23 00-0190 EA 24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	68.48	21.67
23 11 23 00-0191 EA 30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	79.75	23.03
23 11 23 00-0192 EA 36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	84.82	23.03
23 11 23 00-0193 EA 48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	96.59	24.39
23 11 23 00-0194 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0195 EA 12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	57.76	20.33
23 11 23 00-0196 EA 18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	63.23	21.67
23 11 23 00-0197 EA 24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	63.27	21.67
23 11 23 00-0198 EA 30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	71.81	23.03
23 11 23 00-0199 EA 36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	69.81	23.03
23 11 23 00-0200 EA 48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	87.33	24.39
23 11 23 00-0201 EA 60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	93.97	24.39
23 11 23 00-0202 EA 72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	102.41	25.74
23 11 23 00-0203 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0204 EA 12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12).....	57.76	20.33
23 11 23 00-0205 EA 18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18).....	58.99	21.67
23 11 23 00-0206 EA 24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24).....	60.40	21.67
23 11 23 00-0207 EA 30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30).....	71.81	23.03
23 11 23 00-0208 EA 36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36).....	76.03	23.03
23 11 23 00-0209 EA 48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48).....	77.31	24.39
23 11 23 00-0210 EA 60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60).....	93.97	24.39
23 11 23 00-0211 EA 72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72).....	102.41	25.74



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0212		1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12).....	57.76	20.33
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18).....	63.23	21.67
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24).....	68.48	21.67
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30).....	71.81	23.03
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....	65.49	23.03
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....	85.43	24.39
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....	93.97	24.39
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....	102.41	25.74
23 11 23 00-0221		3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....	75.61	20.33
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....	81.04	21.67
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....	86.29	21.67
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....	89.60	23.03
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....	93.99	23.03
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....	102.83	24.39
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60).....	112.09	24.39
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72).....	120.56	25.74
23 11 23 00-0230		3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12).....	89.16	27.10
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18).....	94.59	28.45
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24).....	99.84	28.45
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30).....	103.15	29.81
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36).....	107.53	29.81
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48).....	116.38	31.16
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60).....	125.65	31.16
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72).....	134.11	32.52
23 11 23 00-0239		3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	89.16	27.10
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	94.59	28.45
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	99.84	28.45
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	103.15	29.81
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	107.53	29.81
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	116.38	31.16
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	125.65	31.16
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72).....	134.11	32.52

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0248 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0249 EA 12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	103.66	27.10
23 11 23 00-0250 EA 18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	109.10	28.45
23 11 23 00-0251 EA 24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	114.35	28.45
23 11 23 00-0252 EA 30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	117.66	29.81
23 11 23 00-0253 EA 36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	122.06	29.81
23 11 23 00-0254 EA 48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	130.90	31.16
23 11 23 00-0255 EA 60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	140.17	31.16
23 11 23 00-0256 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0257 EA 12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	103.66	27.10
23 11 23 00-0258 EA 18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	109.10	28.45
23 11 23 00-0259 EA 24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	114.35	28.45
23 11 23 00-0260 EA 36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	122.06	29.81
23 11 23 00-0261 EA 48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	130.90	31.16
23 11 23 00-0262 EA 60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	140.17	31.16
23 11 23 00-0263 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0264 EA 12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	103.66	27.10
23 11 23 00-0265 EA 18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	109.10	28.45
23 11 23 00-0266 EA 24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	114.35	28.45
23 11 23 00-0267 EA 30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	117.66	29.81
23 11 23 00-0268 EA 36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	122.06	29.81
23 11 23 00-0269 EA 48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	130.90	31.16
23 11 23 00-0270 EA 60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	140.17	31.16
23 11 23 00-0271 EA 72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	148.62	32.52
23 11 23 00-0272 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0273 EA 12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	85.33	27.10
23 11 23 00-0274 EA 18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	90.79	28.45
23 11 23 00-0275 EA 24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	96.06	28.45
23 11 23 00-0276 EA 30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	99.33	29.81
23 11 23 00-0277 EA 36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	103.73	29.81
23 11 23 00-0278 EA 48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	112.55	31.16
23 11 23 00-0279 EA 72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	130.25	32.52
23 11 23 00-0280 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0281 EA 18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	101.11	28.45
23 11 23 00-0282 EA 24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	107.52	28.45
23 11 23 00-0283 Quarter-Turn, Gas Ball Valve <small>(23 11 23)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0284	EA		3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102).....	53.30	14.42
23 11 23 00-0285	EA		1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	53.72	14.72
23 11 23 00-0286	EA		3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	76.96	16.19
23 11 23 00-0287	EA		3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	52.86	14.42
23 11 23 00-0288	EA		1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	55.80	14.72
23 11 23 00-0289	EA		1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	61.94	14.72
23 11 23 00-0290	EA		5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	67.55	15.45
23 11 23 00-0291	EA		5/8" (7/8"-14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114).....	70.68	15.45
23 11 23 00-0292	EA		5/8" (15/16"-16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115).....	70.68	15.45
23 11 23 00-0293	EA		3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312).....	55.20	14.42
23 11 23 00-0294	EA		1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313).....	58.14	14.72
23 11 23 00-0295	EA		5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314).....	72.33	15.45
23 11 23 00-0296	EA		1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413).....	58.45	14.72
23 11 23 00-0297	EA		3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414).....	78.72	16.19
23 11 23 00-0298	EA		3/8" (9/16"-24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119).....	55.08	14.42
23 11 23 00-0299	EA		3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612).....	52.55	14.42
23 11 23 00-0300	EA		1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613).....	53.70	14.72
23 11 23 00-0301	EA		3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614).....	73.59	16.19
23 11 23 00-0302	EA		1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615).....	99.26	18.40
23 11 23 00-0303	EA		1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616).....	141.26	19.13
23 11 23 00-0304	EA		1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617).....	167.57	22.08
23 11 23 00-0305	EA		2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618).....	206.41	26.49
23 11 23 00-0306	EA		1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713).....	55.06	14.72
23 11 23 00-0307	EA		3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714).....	73.18	16.19

23 11 23 00-0308 Gas Stops (23 11 23)

23 11 23 00-0309 Brass/Bronze Gas Stops (23 11 23 00-0308)

Note: Flat or square head

23 11 23 00-0310	EA		3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	61.42	14.72
23 11 23 00-0311	EA		1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	62.08	14.72
23 11 23 00-0312	EA		3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	81.91	16.19
23 11 23 00-0313	EA		1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	111.99	18.40
23 11 23 00-0314	EA		1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	147.72	19.58
23 11 23 00-0315	EA		1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	183.47	22.66
23 11 23 00-0316	EA		2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	248.55	26.78

23 11 23 00-0317 Iron Body Gas Stops (23 11 23 00-0308)

23 11 23 00-0318	EA		1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	79.48	14.72
23 11 23 00-0319	EA		3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	99.02	16.19
23 11 23 00-0320	EA		1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	122.31	18.40
23 11 23 00-0321	EA		1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	157.75	19.58
23 11 23 00-0322	EA		1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	196.06	22.66
23 11 23 00-0323	EA		2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	251.41	26.78
23 11 23 00-0324	EA		2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	467.68	36.18
23 11 23 00-0325	EA		3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	619.04	42.00

23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)

23 11 23 00-0327	EA		1/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	183.48	14.72
23 11 23 00-0328	EA		1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	213.30	14.72
23 11 23 00-0329	EA		3/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	272.50	16.19
23 11 23 00-0330	EA		1" Solenoid Valve, Bronze, 150 PSI, Gas.....	404.07	18.40
23 11 23 00-0331	EA		1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	716.17	22.66
23 11 23 00-0332	EA		2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,203.94	26.78
23 11 23 00-0333	EA		2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,495.31	36.18
23 11 23 00-0334	EA		3" Solenoid Valve, Bronze, 150 PSI, Gas.....	2,236.94	42.00

23 11 26 Facility Liquefied-Petroleum Gas Piping (23 11)

23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings (23 11 26)

23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe (23 11 26 00-0001)

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).

23 11 26 00-0003	LF		2" Fiberglass Reinforced Plastic Pipe.....	22.56	9.76
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	<i>-10.92</i>	
23 11 26 00-0004	LF		3" Fiberglass Reinforced Plastic Pipe.....	27.05	11.65
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	<i>-13.11</i>	
23 11 26 00-0005	LF		4" Fiberglass Reinforced Plastic Pipe.....	36.74	17.21
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	<i>-19.31</i>	
23 11 26 00-0006	LF		5" Fiberglass Reinforced Plastic Pipe.....	42.72	19.78
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	<i>-21.75</i>	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0007 LF 6" Fiberglass Reinforced Plastic Pipe	49.61	22.09
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-24.89	
23 11 26 00-0008 LF 8" Fiberglass Reinforced Plastic Pipe	62.87	24.42
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-27.44	
23 11 26 00-0009 LF 10" Fiberglass Reinforced Plastic Pipe	81.98	29.04
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-32.71	
23 11 26 00-0010 LF 12" Fiberglass Reinforced Plastic Pipe	196.38	36.57
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-41.15	
23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings (23 11 26 00-0001)		
23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 26 00-0011)		
23 11 26 00-0013 EA 2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	185.49	97.14
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-109.27	
23 11 26 00-0014 EA 3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	219.93	116.65
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-131.12	
23 11 26 00-0015 EA 4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	261.10	135.49
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-152.32	
23 11 26 00-0016 EA 5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	296.82	144.46
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-159.35	
23 11 26 00-0017 EA 6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	353.67	162.07
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-182.24	
23 11 26 00-0018 EA 8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	493.09	202.53
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-227.80	
23 11 26 00-0019 EA 10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	626.12	243.96
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-274.34	
23 11 26 00-0020 EA 12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	1,462.90	302.52
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-340.19	
23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 26 00-0011)		
23 11 26 00-0022 EA 2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	185.79	97.14
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-109.27	
23 11 26 00-0023 EA 3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	220.02	116.65
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-131.12	
23 11 26 00-0024 EA 4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	261.44	135.62
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-152.43	
23 11 26 00-0025 EA 5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	321.48	161.10
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-177.83	
23 11 26 00-0026 EA 6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	353.56	162.07
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-182.24	
23 11 26 00-0027 EA 8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	493.09	202.53
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-227.80	
23 11 26 00-0028 EA 10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,113.07	243.96
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-274.34	
23 11 26 00-0029 EA 12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,462.90	302.52
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-340.19	
23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees (23 11 26 00-0011)		
23 11 26 00-0031 EA 2" Fiberglass Reinforced Plastic Flanged Tee	373.87	145.78
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-163.90	
23 11 26 00-0032 EA 3" Fiberglass Reinforced Plastic Flanged Tee	460.85	175.59
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-197.39	
23 11 26 00-0033 EA 4" Fiberglass Reinforced Plastic Flanged Tee	525.73	203.37
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-228.66	
23 11 26 00-0034 EA 5" Fiberglass Reinforced Plastic Flanged Tee	659.98	241.57
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-266.85	
23 11 26 00-0035 EA 6" Fiberglass Reinforced Plastic Flanged Tee	753.23	243.96
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-274.34	
23 11 26 00-0036 EA 8" Fiberglass Reinforced Plastic Flanged Tee	946.34	302.52
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-340.19	
23 11 26 00-0037 EA 10" Fiberglass Reinforced Plastic Flanged Tee	1,483.08	365.94
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-411.51	
23 11 26 00-0038 EA 12" Fiberglass Reinforced Plastic Flanged Tee	1,970.68	444.91
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-500.27	
23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes (23 11 26 00-0011)		
23 11 26 00-0040 EA 2" Fiberglass Reinforced Plastic Flanged Wye	479.02	145.78
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-163.90	
23 11 26 00-0041 EA 3" Fiberglass Reinforced Plastic Flanged Wye	611.00	175.32
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-197.14	
23 11 26 00-0042 EA 4" Fiberglass Reinforced Plastic Flanged Wye	716.87	203.37
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-228.64	
23 11 26 00-0043 EA 5" Fiberglass Reinforced Plastic Flanged Wye	822.75	241.57
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-266.85	
23 11 26 00-0044 EA 6" Fiberglass Reinforced Plastic Flanged Wye	887.63	243.96
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-274.34	
23 11 26 00-0045 EA 8" Fiberglass Reinforced Plastic Flanged Wye	1,158.89	302.52
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-340.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0046 EA 10" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,751.16 -411.51	365.94
23 11 26 00-0047 EA 12" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	2,262.91 -500.27	444.91
23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 26 00-0011)		
23 11 26 00-0049 EA 2" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	277.32 -109.27	97.14
23 11 26 00-0050 EA 3" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	356.31 -131.12	116.65
23 11 26 00-0051 EA 4" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	393.28 -152.43	135.62
23 11 26 00-0052 EA 5" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	456.72 -177.83	161.10
23 11 26 00-0053 EA 6" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	492.14 -182.24	162.07
23 11 26 00-0054 EA 8" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	651.02 -227.80	202.53
23 11 26 00-0055 EA 10" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	828.09 -274.34	243.96
23 11 26 00-0056 EA 12" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,123.32 -340.19	302.52
23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 26 00-0011)		
23 11 26 00-0058 EA 2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	230.33 -109.27	97.14
23 11 26 00-0059 EA 3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	266.56 -131.12	116.65
23 11 26 00-0060 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	303.63 -152.43	135.62
23 11 26 00-0061 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	368.90 -177.83	161.10
23 11 26 00-0062 EA 6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	406.21 -182.24	162.07
23 11 26 00-0063 EA 8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	414.24 -227.80	202.53
23 11 26 00-0064 EA 10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	524.59 -274.34	243.96
23 11 26 00-0065 EA 12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	798.88 -340.19	302.52
23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples (23 11 26 00-0011)		
23 11 26 00-0067 EA 2" x 6" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	40.85 -13.11	11.65
23 11 26 00-0068 EA 2" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	81.60 -26.15	23.30
23 11 26 00-0069 EA 3" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	128.94 -20.12	17.88
23 11 26 00-0070 EA 3" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	148.29 -25.55	22.72
23 11 26 00-0071 EA 4" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	136.80 -18.23	16.16
23 11 26 00-0072 EA 4" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	166.25 -27.33	24.30
23 11 26 00-0073 EA 6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	205.41 -30.07	27.22
23 11 26 00-0074 EA 6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	244.55 -32.84	29.16
23 11 26 00-0075 EA 8" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	135.14 -38.27	34.02
23 11 26 00-0076 EA 8" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	185.00 -54.63	48.60
23 11 26 00-0077 EA 10" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	219.84 -38.90	34.63
23 11 26 00-0078 EA 10" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	329.93 -58.25	51.76
23 11 26 00-0079 EA 12" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	255.22 -40.12	35.72
23 11 26 00-0080 EA 12" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	336.14 -60.18	53.46
23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 26 00-0011)		
23 11 26 00-0082 EA 2" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	167.15 -109.27	97.14
23 11 26 00-0083 EA 3" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	200.96 -131.12	116.65
23 11 26 00-0084 EA 4" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	232.66 -152.43	135.62

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0085 EA 5" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	277.78 -177.83	161.10
23 11 26 00-0086 EA 6" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	294.91 -182.24	162.07
23 11 26 00-0087 EA 8" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	379.89 -227.80	202.53
23 11 26 00-0088 EA 10" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	481.75 -274.34	243.96
23 11 26 00-0089 EA 12" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	590.31 -340.19	302.52
23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges <small>(23 11 26 00-0011)</small>		
23 11 26 00-0091 EA 2" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	169.83 -109.27	97.14
23 11 26 00-0092 EA 3" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	204.51 -131.12	116.65
23 11 26 00-0093 EA 4" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	222.07 -136.44	121.37
23 11 26 00-0094 EA 5" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	266.45 -159.46	144.46
23 11 26 00-0095 EA 6" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	310.49 -182.24	162.07
23 11 26 00-0096 EA 8" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	382.48 -218.06	193.90
23 11 26 00-0097 EA 10" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	505.99 -274.34	243.96
23 11 26 00-0098 EA 12" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	687.24 -340.19	302.52
23 11 26 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings <small>(23 11 26)</small>		
23 11 26 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing <small>(23 11 26 00-0099)</small>		
23 11 26 00-0101 LF 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	129.94	41.86
23 11 26 00-0102 LF 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	154.76	49.59
23 11 26 00-0103 LF 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	202.17	73.16
23 11 26 00-0104 LF 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	280.34	94.84
23 11 26 00-0105 LF 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	377.66	104.48
23 11 26 00-0106 LF 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	508.25	123.93
23 11 26 00-0107 LF 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	648.65	156.36
23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings <small>(23 11 26 00-0099)</small>		
23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows <small>(23 11 26 00-0108)</small>		
23 11 26 00-0110 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,202.73	518.10
23 11 26 00-0111 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,548.52	621.88
23 11 26 00-0112 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,162.12	722.69
23 11 26 00-0113 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	5,261.54	864.18
23 11 26 00-0114 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	8,405.51	1,080.44
23 11 26 00-0115 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	11,277.48	1,299.86
23 11 26 00-0116 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	15,013.27	1,609.66
23 11 26 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows <small>(23 11 26 00-0108)</small>		
23 11 26 00-0118 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,205.83	518.10
23 11 26 00-0119 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,543.08	621.88
23 11 26 00-0120 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,157.85	722.69
23 11 26 00-0121 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	5,236.40	864.18
23 11 26 00-0122 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	8,369.12	1,080.44
23 11 26 00-0123 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	11,228.36	1,300.47
23 11 26 00-0124 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	14,951.19	1,613.31



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0125				Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees <small>(23 11 26 00-0108)</small>		
23 11 26 00-0126	EA			2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,093.98	777.16
23 11 26 00-0127	EA			3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,858.56	936.63
23 11 26 00-0128	EA			4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,368.34	1,084.58
23 11 26 00-0129	EA			6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	6,761.30	1,301.07
23 11 26 00-0130	EA			8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	8,537.25	1,613.31
23 11 26 00-0131	EA			10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	14,524.58	1,949.36
23 11 26 00-0132	EA			12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	19,730.68	2,363.53
23 11 26 00-0133				Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes <small>(23 11 26 00-0108)</small>		
23 11 26 00-0134	EA			2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	4,399.55	777.16
23 11 26 00-0135	EA			3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	5,725.44	935.54
23 11 26 00-0136	EA			4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,742.00	1,084.58
23 11 26 00-0137	EA			6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	8,430.07	1,301.07
23 11 26 00-0138	EA			8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	11,176.33	1,613.31
23 11 26 00-0139	EA			10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	17,853.30	1,949.36
23 11 26 00-0140	EA			12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	23,359.18	2,363.53
23 11 26 00-0141				Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers <small>(23 11 26 00-0108)</small>		
23 11 26 00-0142	EA			2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,411.07	518.10
23 11 26 00-0143	EA			3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,185.65	621.88
23 11 26 00-0144	EA			4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,443.24	722.69
23 11 26 00-0145	EA			6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,389.23	864.18
23 11 26 00-0146	EA			8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	5,932.06	1,080.44
23 11 26 00-0147	EA			10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	7,689.00	1,299.86
23 11 26 00-0148	EA			12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	10,729.19	1,609.66
23 11 26 00-0149				Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters <small>(23 11 26 00-0108)</small>		
23 11 26 00-0150	EA			2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,827.59	518.10
23 11 26 00-0151	EA			3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,071.35	621.88
23 11 26 00-0152	EA			4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,330.02	722.69
23 11 26 00-0153	EA			6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,322.22	864.18
23 11 26 00-0154	EA			8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,992.11	1,080.44
23 11 26 00-0155	EA			10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,920.57	1,299.86
23 11 26 00-0156	EA			12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	6,700.74	1,609.66
23 11 26 00-0157				Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples <small>(23 11 26 00-0108)</small>		
23 11 26 00-0158	EA			2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	383.37	62.19
23 11 26 00-0159	EA			2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	766.25	124.10
23 11 26 00-0160	EA			3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,411.04	95.38
23 11 26 00-0161	EA			3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,600.01	121.13
23 11 26 00-0162	EA			4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,526.50	86.38
23 11 26 00-0163	EA			4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,806.16	129.64
23 11 26 00-0164	EA			6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,726.44	155.76
23 11 26 00-0165	EA			8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,316.61	181.52
23 11 26 00-0166	EA			8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,781.12	259.14
23 11 26 00-0167	EA			10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,362.27	184.43
23 11 26 00-0168	EA			10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,546.41	276.27
23 11 26 00-0169	EA			12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,789.95	190.26
23 11 26 00-0170	EA			12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,605.35	285.38
23 11 26 00-0171				Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges <small>(23 11 26 00-0108)</small>		
23 11 26 00-0172	EA			4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,468.76	647.08

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0173 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,133.77	864.18
23 11 26 00-0174 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,689.80	1,034.40
23 11 26 00-0175 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	3,689.56	1,299.86
23 11 26 00-0176 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	5,314.59	1,609.66

23 12 Facility Fuel Pumps (23 10)**23 12 13 Facility Fuel-Oil Pumps (23 12)**

23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump (23 12 13)
Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge (23 12 13 00-0001)

23 12 13 00-0003 EA 10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,746.69	393.08
23 12 13 00-0004 EA 10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,842.77	475.76
23 12 13 00-0005 EA 10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	2,024.86	565.23

23 12 13 00-0006 25 GPM 1-1/4" Discharge (23 12 13 00-0001)

23 12 13 00-0007 EA 25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,908.76	393.08
23 12 13 00-0008 EA 25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	2,014.23	475.76
23 12 13 00-0009 EA 25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	2,119.47	565.23

23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI (23 12 13)

23 12 13 00-0011 EA 1/4 HP Pump Fuel Oil/Diesel	1,324.04	220.26
23 12 13 00-0012 EA 1/3 HP Pump Fuel Oil/Diesel	1,552.27	246.70
23 12 13 00-0013 EA 1/2 HP Pump Fuel Oil/Diesel	1,699.63	276.51
23 12 13 00-0014 EA 3/4 HP Pump Fuel Oil/Diesel	1,857.86	311.76
23 12 13 00-0015 EA 1 HP Pump Fuel Oil/Diesel	2,580.24	347.00
23 12 13 00-0016 EA 1-1/2 HP Pump Fuel Oil/Diesel	3,142.80	388.34
23 12 13 00-0017 EA 2 HP Pump Fuel Oil/Diesel	3,484.57	435.10
23 12 13 00-0018 EA 3 HP Pump Fuel Oil/Diesel	4,232.83	486.61
23 12 13 00-0019 EA 5 HP Pump Fuel Oil/Diesel	4,979.43	545.58
23 12 13 00-0020 EA 7.5 HP Pump Fuel Oil/Diesel	5,575.56	611.99
23 12 13 00-0021 EA 10 HP Pump Fuel Oil/Diesel	6,251.08	685.99

23 12 23 Facility Natural-Gas Pumps (23 12)**23 12 23 00-0001 Natural Gas Booster Pump (23 12 23)**

23 12 23 00-0002 EA Natural Gas Booster Pump, 3/4" Outlet Size	1,260.90	203.32
23 12 23 00-0003 EA Natural Gas Booster Pump, 1" Outlet Size	1,490.42	227.03
23 12 23 00-0004 EA Natural Gas Booster Pump, 1-1/4" Outlet Size	1,664.74	237.21
23 12 23 00-0005 EA Natural Gas Booster Pump, 1-1/2" Outlet Size	1,881.09	247.37
23 12 23 00-0006 EA Natural Gas Booster Pump, 2" Outlet Size	2,118.74	254.15

23 13 Facility Fuel-Storage Tanks (23 10)**23 13 13 Facility Underground Fuel-Oil, Storage Tanks (23 13)****23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)****23 13 13 13-0001 Coated Underground Double Wall Storage Tanks (23 13 13 13)**

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002 EA 250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	14,417.52	848.68
23 13 13 13-0003 EA 550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	15,557.06	848.68
23 13 13 13-0004 EA 1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	22,433.01	1,060.77
23 13 13 13-0005 EA 2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	30,900.46	2,071.94
23 13 13 13-0006 EA 3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	49,018.81	2,663.77
23 13 13 13-0007 EA 4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	54,634.95	3,059.43
23 13 13 13-0008 EA 5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	59,191.74	4,045.20
23 13 13 13-0009 EA 6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	61,255.32	4,343.22
23 13 13 13-0010 EA 8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	74,711.59	5,130.98
23 13 13 13-0011 EA 10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	86,519.51	5,918.19
23 13 13 13-0012 EA 12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	110,371.92	6,508.19
23 13 13 13-0013 EA 14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	130,897.20	7,901.98
23 13 13 13-0014 EA 15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	135,272.32	8,386.05
23 13 13 13-0015 EA 20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	166,845.99	13,302.02
23 13 13 13-0016 EA 25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	205,306.15	17,249.47
23 13 13 13-0017 EA 30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	241,728.77	19,736.53
23 13 13 13-0018 EA 40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	309,698.66	21,216.77
23 13 13 13-0019 EA 48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	417,552.47	21,760.84

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)**23 13 13 23-0001 Underground Fiberglass Storage Tanks (23 13 13 23)**



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

23 13 13 23-0002

Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	3,715.38	848.68
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,664.46	1,060.77
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	6,062.62	1,312.48
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	6,928.74	1,598.66
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,786.42	1,874.97
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,544.26	2,467.07
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	11,697.94	3,749.94
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	13,422.68	4,736.76
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	15,952.69	5,328.86
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	18,101.36	6,315.69
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	23,036.73	7,499.89
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	28,434.56	9,374.85
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	36,120.96	12,532.70
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	52,767.37	15,591.86
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	64,403.15	18,749.71
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	92,292.45	27,137.73
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	129,733.33	34,538.93

23 13 13 23-0020

Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	6,885.18	848.68
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	9,051.87	1,060.77
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	10,856.95	1,282.88
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	14,200.04	1,875.11
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	16,091.50	2,467.07
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	18,895.44	3,749.94
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	21,261.54	4,736.76
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	25,929.42	5,328.86
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	28,078.10	6,315.69
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	33,904.24	7,499.89
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	46,294.70	9,374.85
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	57,677.84	12,532.70
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	88,810.52	18,749.71

23 13 13 23-0034

Underground Storage Tank Pump Enclosures (23 13 13 23)

23 13 13 23-0035	EA	Secondary Containment Collar	2,853.17	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	2,853.17	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	570.63	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	1,141.27	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	1,426.59	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 13-0001

Rectangle Double Wall Steel Fuel Day Tank (23 13 23 13)

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,242.44	176.65
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,332.58	185.48
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,445.53	198.73
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,654.46	211.98
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,838.91	220.81
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX)	2,169.65	264.97
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX)	2,901.56	309.13
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX)	3,657.46	353.29
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX)	4,670.51	397.45
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX)	5,205.26	441.62
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX)	5,966.20	529.95
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX)	6,692.85	618.27
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0014 EA 400 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,440.07	706.60
23 13 23 13-0015 EA 450 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,243.97	750.76
23 13 23 13-0016 EA 500 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,053.01	794.92
23 13 23 13-0017 EA 550 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,970.07	839.08
23 13 23 13-0018 EA 600 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,773.97	883.24
23 13 23 13-0019 EA 700 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,028.41	1,059.89
23 13 23 13-0020 EA 800 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,976.20	1,148.21
23 13 23 13-0021 EA 900 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,266.63	1,324.86
23 13 23 13-0022 EA 1,000 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,562.21	1,501.52
23 13 23 13-0023 EA 10 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,492.73	176.65
23 13 23 13-0024 EA 15 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,584.58	185.48
23 13 23 13-0025 EA 25 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,697.53	198.73
23 13 23 13-0026 EA 50 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,904.75	211.98
23 13 23 13-0027 EA 60 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,089.20	220.81
23 13 23 13-0028 EA 75 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,421.66	264.97
23 13 23 13-0029 EA 100 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,177.57	309.13
23 13 23 13-0030 EA 150 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,933.47	353.29
23 13 23 13-0031 EA 200 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,946.52	397.45
23 13 23 13-0032 EA 275 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,481.27	441.62
23 13 23 13-0033 EA 300 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,242.20	529.95
23 13 23 13-0034 EA 350 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,968.85	618.27
23 13 23 13-0035 EA 400 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,716.08	706.60
23 13 23 13-0036 EA 450 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,519.98	750.76
23 13 23 13-0037 EA 500 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,329.02	794.92
23 13 23 13-0038 EA 550 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,247.79	839.08
23 13 23 13-0039 EA 600 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,051.69	883.24
23 13 23 13-0040 EA 700 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,304.41	1,059.89
23 13 23 13-0041 EA 800 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,252.20	1,148.21
23 13 23 13-0042 EA 900 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,542.63	1,324.86
23 13 23 13-0043 EA 1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,838.22	1,501.52
23 13 23 13-0044 EA 10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,440.75	176.65
23 13 23 13-0045 EA 15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,522.32	185.48
23 13 23 13-0046 EA 25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,597.55	198.73
23 13 23 13-0047 EA 50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,873.34	211.98
23 13 23 13-0048 EA 60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,978.93	220.81
23 13 23 13-0049 EA 75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,299.39	264.97
23 13 23 13-0050 EA 100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,967.87	309.13
23 13 23 13-0051 EA 150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,994.63	353.29
23 13 23 13-0052 EA 200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,616.81	397.45
23 13 23 13-0053 EA 275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,313.88	441.62
23 13 23 13-0054 EA 300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,277.10	529.95
23 13 23 13-0055 EA 350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,870.04	618.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0056 EA 400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,665.26	706.60
23 13 23 13-0057 EA 450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,433.16	750.76
23 13 23 13-0058 EA 500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,441.06	794.92
23 13 23 13-0059 EA 550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,869.54	839.08
23 13 23 13-0060 EA 600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,255.14	883.24
23 13 23 13-0061 EA 700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,035.88	1,059.89
23 13 23 13-0062 EA 800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,732.82	1,148.21
23 13 23 13-0063 EA 900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,616.41	1,324.86
23 13 23 13-0064 EA 1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,529.15	1,501.52
23 13 23 13-0065 EA 10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,572.20	176.65
23 13 23 13-0066 EA 15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,653.77	185.48
23 13 23 13-0067 EA 25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,729.00	198.73
23 13 23 13-0068 EA 50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,004.79	211.98
23 13 23 13-0069 EA 60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,110.38	220.81
23 13 23 13-0070 EA 75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,430.84	264.97
23 13 23 13-0071 EA 100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,099.32	309.13
23 13 23 13-0072 EA 150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,126.08	353.29
23 13 23 13-0073 EA 200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,823.70	397.45
23 13 23 13-0074 EA 275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,051.03	441.62
23 13 23 13-0075 EA 300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,014.26	529.95
23 13 23 13-0076 EA 350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,608.91	618.27
23 13 23 13-0077 EA 400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,402.42	706.60
23 13 23 13-0078 EA 450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,172.03	750.76
23 13 23 13-0079 EA 500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,178.22	794.92
23 13 23 13-0080 EA 550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,606.69	839.08
23 13 23 13-0081 EA 600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,992.30	883.24
23 13 23 13-0082 EA 700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,773.04	1,059.89
23 13 23 13-0083 EA 800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,471.70	1,148.21
23 13 23 13-0084 EA 900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,353.57	1,324.86
23 13 23 13-0085 EA 1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	20,266.30	1,501.52
23 13 23 13-0086 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,204.78	176.65
23 13 23 13-0087 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,294.92	185.48
23 13 23 13-0088 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,371.87	198.73
23 13 23 13-0089 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,656.23	211.98
23 13 23 13-0090 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,809.82	220.81
23 13 23 13-0091 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,102.86	264.97
23 13 23 13-0092 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,797.05	309.13
23 13 23 13-0093 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,871.81	353.29

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0094 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,516.28	397.45
23 13 23 13-0095 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,278.49	441.62
23 13 23 13-0096 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,289.71	529.95
23 13 23 13-0097 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,829.50	618.27
23 13 23 13-0098 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,727.59	706.60
23 13 23 13-0099 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,653.20	750.76
23 13 23 13-0100 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,583.96	794.92
23 13 23 13-0101 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,062.15	839.08
23 13 23 13-0102 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,422.04	883.24
23 13 23 13-0103 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,279.92	1,059.89
23 13 23 13-0104 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,057.44	1,148.21
23 13 23 13-0105 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,021.60	1,324.86
23 13 23 13-0106 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,011.48	1,501.52
23 13 23 13-0107 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,336.24	176.65
23 13 23 13-0108 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,426.38	185.48
23 13 23 13-0109 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,503.32	198.73
23 13 23 13-0110 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,787.68	211.98
23 13 23 13-0111 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,941.27	220.81
23 13 23 13-0112 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,230.88	264.97
23 13 23 13-0113 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,928.50	309.13
23 13 23 13-0114 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,003.26	353.29
23 13 23 13-0115 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,647.73	397.45
23 13 23 13-0116 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,015.64	441.62
23 13 23 13-0117 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,026.87	529.95
23 13 23 13-0118 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,738.09	618.27
23 13 23 13-0119 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,464.74	706.60
23 13 23 13-0120 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,390.36	750.76
23 13 23 13-0121 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,321.12	794.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0122 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,799.31	839.08
23 13 23 13-0123 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,160.92	883.24
23 13 23 13-0124 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,017.08	1,059.89
23 13 23 13-0125 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,794.60	1,148.21
23 13 23 13-0126 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,758.76	1,324.86
23 13 23 13-0127 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,748.64	1,501.52
23 13 23 13-0128 EA 150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,231.26	176.65
23 13 23 13-0129 EA 150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,331.96	185.48
23 13 23 13-0130 EA 150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,444.57	198.73
23 13 23 13-0131 EA 150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,645.41	211.98
23 13 23 13-0132 EA 150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,164.76	220.81
23 13 23 13-0133 EA 150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,238.36	264.97
23 13 23 13-0134 EA 150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,805.29	309.13
23 13 23 13-0135 EA 150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,460.45	353.29
23 13 23 13-0136 EA 150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,520.68	397.45
23 13 23 13-0137 EA 150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,657.84	441.62
23 13 23 13-0138 EA 150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,791.68	529.95
23 13 23 13-0139 EA 150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,316.79	618.27
23 13 23 13-0140 EA 150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,844.17	706.60
23 13 23 13-0141 EA 150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,603.43	750.76
23 13 23 13-0142 EA 150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,364.95	794.92
23 13 23 13-0143 EA 150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,029.20	839.08
23 13 23 13-0144 EA 150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,700.19	883.24
23 13 23 13-0145 EA 150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,130.58	1,059.89
23 13 23 13-0146 EA 150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,454.49	1,148.21
23 13 23 13-0147 EA 150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	14,961.82	1,324.86
23 13 23 13-0148 EA 150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,419.37	1,501.52
23 13 23 13-0149 EA 200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,298.02	185.48
23 13 23 13-0150 EA 200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,410.88	198.73
23 13 23 13-0151 EA 200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,528.49	211.98
23 13 23 13-0152 EA 200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,731.92	220.81
23 13 23 13-0153 EA 200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,338.18	264.97
23 13 23 13-0154 EA 200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,411.79	309.13
23 13 23 13-0155 EA 200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	3,006.11	353.29
23 13 23 13-0156 EA 200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,693.59	397.45
23 13 23 13-0157 EA 200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,808.63	441.62
23 13 23 13-0158 EA 200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	6,004.89	485.79
23 13 23 13-0159 EA 200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	7,193.52	574.11
23 13 23 13-0160 EA 200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,739.63	662.43
23 13 23 13-0161 EA 200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	8,288.13	750.76
23 13 23 13-0162 EA 200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	9,085.48	794.92
23 13 23 13-0163 EA 200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,885.23	839.08
23 13 23 13-0164 EA 200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,582.28	883.24
23 13 23 13-0165 EA 200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	11,360.07	971.57
23 13 23 13-0166 EA 200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,853.57	1,148.21
23 13 23 13-0167 EA 200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	14,390.06	1,324.86
23 13 23 13-0168 EA 200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	15,964.78	1,501.52
23 13 23 13-0169 EA 200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	17,486.95	1,678.16
23 13 23 13-0170 EA 150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,410.03	176.65
23 13 23 13-0171 EA 150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,533.36	185.48
23 13 23 13-0172 EA 150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,659.54	198.73
23 13 23 13-0173 EA 150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,905.64	211.98
23 13 23 13-0174 EA 150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,522.30	220.81
23 13 23 13-0175 EA 150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,595.90	264.97
23 13 23 13-0176 EA 150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,244.29	309.13
23 13 23 13-0177 EA 150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	4,005.81	353.29
23 13 23 13-0178 EA 150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,250.98	397.45
23 13 23 13-0179 EA 150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,644.47	441.62
23 13 23 13-0180 EA 150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	7,979.70	529.95
23 13 23 13-0181 EA 150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,574.97	618.27
23 13 23 13-0182 EA 150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	9,174.76	706.60
23 13 23 13-0183 EA 150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	10,076.58	750.76
23 13 23 13-0184 EA 150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	10,980.66	794.92
23 13 23 13-0185 EA 150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,751.25	839.08
23 13 23 13-0186 EA 150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	12,539.93	883.24
23 13 23 13-0187 EA 150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	14,207.93	1,059.89
23 13 23 13-0188 EA 150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	15,771.70	1,148.21
23 13 23 13-0189 EA 150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	17,516.63	1,324.86
23 13 23 13-0190 EA 150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	19,211.79	1,501.52
23 13 23 13-0191 EA 200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,486.72	185.48

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0192	EA		200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,623.46	198.73
23 13 23 13-0193	EA		200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,755.41	211.98
23 13 23 13-0194	EA		200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	2,006.61	220.81
23 13 23 13-0195	EA		200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,715.59	264.97
23 13 23 13-0196	EA		200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,789.20	309.13
23 13 23 13-0197	EA		200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,469.50	353.29
23 13 23 13-0198	EA		200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	4,269.25	397.45
23 13 23 13-0199	EA		200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,579.50	441.62
23 13 23 13-0200	EA		200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	7,046.32	485.79
23 13 23 13-0201	EA		200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	8,447.55	574.11
23 13 23 13-0202	EA		200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	9,067.71	662.43
23 13 23 13-0203	EA		200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,692.64	750.76
23 13 23 13-0204	EA		200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	10,640.47	794.92
23 13 23 13-0205	EA		200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	11,590.71	839.08
23 13 23 13-0206	EA		200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	12,400.00	883.24
23 13 23 13-0207	EA		200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	13,302.02	971.57
23 13 23 13-0208	EA		200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	15,046.32	1,148.21
23 13 23 13-0209	EA		200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	16,836.00	1,324.86
23 13 23 13-0210	EA		200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	18,661.53	1,501.52
23 13 23 13-0211	EA		200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	20,434.50	1,678.16

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)**

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002	EA		300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	4,712.58	960.08
23 13 23 16-0003	EA		550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,668.58	1,162.20
23 13 23 16-0004	EA		1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	7,527.83	1,501.11
23 13 23 16-0005	EA		1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	9,710.14	1,876.38
23 13 23 16-0006	EA		2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	11,655.79	2,424.83
23 13 23 16-0007	EA		3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	17,219.11	2,496.15
23 13 23 16-0008	EA		5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	24,866.97	3,086.13
23 13 23 16-0009	EA		8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	33,932.77	3,536.13
23 13 23 16-0010	EA		10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	40,333.68	3,857.57
23 13 23 16-0011	EA		12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	46,747.98	4,243.36
23 13 23 16-0012	EA		15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	51,755.66	4,714.80
23 13 23 16-0013	EA		20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	64,700.60	6,061.88
23 13 23 16-0014	EA		30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	88,011.97	7,072.26

23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016	EA		300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	7,345.35	1,197.98
23 13 23 16-0017	EA		550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,830.52	1,449.70
23 13 23 16-0018	EA		1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	11,756.20	1,876.38
23 13 23 16-0019	EA		1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	15,198.20	2,345.48
23 13 23 16-0020	EA		2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	18,082.07	3,031.01
23 13 23 16-0021	EA		3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	27,356.07	3,120.08
23 13 23 16-0022	EA		5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	39,794.02	3,843.62
23 13 23 16-0023	EA		8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	54,728.35	4,420.20
23 13 23 16-0024	EA		10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	65,256.76	4,822.03
23 13 23 16-0025	EA		12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	75,769.53	5,304.12
23 13 23 16-0026	EA		15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	83,875.98	5,893.59
23 13 23 16-0027	EA		20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	104,755.31	7,577.38
23 13 23 16-0028	EA		30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	143,193.60	8,840.25

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)**

23 13 23 19-0002	EA		Steel Dike For 550 Gallon Tank, Uncoated.....	5,888.54	
23 13 23 19-0003	EA		Steel Dike For 1,000 Gallon Tank, Uncoated.....	7,116.04	
23 13 23 19-0004	EA		Steel Dike For 2,000 Gallon Tank, Uncoated.....	15,519.63	
23 13 23 19-0005	EA		Steel Dike For 3,000 Gallon Tank, Uncoated.....	16,996.06	
23 13 23 19-0006	EA		Steel Dike For 5,000 Gallon Tank, Uncoated.....	24,141.50	
23 13 23 19-0007	EA		Steel Dike For 6,000 Gallon Tank, Uncoated.....	27,046.53	
23 13 23 19-0008	EA		Steel Dike For 8,000 Gallon Tank, Uncoated.....	35,699.02	
23 13 23 19-0009	EA		Steel Dike For 10,000 Gallon Tank, Uncoated.....	41,897.89	
23 13 23 19-0010	EA		Steel Dike For 12,000 Gallon Tank, Uncoated.....	47,598.74	



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

23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated.....	57,960.69	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated.....	74,194.14	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	32,696.56	1,835.37
		<i>For Low Profile Tanks, Add</i>	<i>12,054.24</i>	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	41,173.80	2,071.94
		<i>For Low Profile Tanks, Add</i>	<i>15,313.08</i>	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	73,022.06	2,467.07
		<i>For Low Profile Tanks, Add</i>	<i>27,831.86</i>	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	115,734.35	5,426.36
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	132,211.82	5,926.49
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	148,794.53	6,400.16
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	165,349.92	6,945.02
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	181,896.70	7,392.65

23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)

23 13 33 00-0001 EPA Requirements (23 13 33)

23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon).....	1,083.51	
23 13 33 00-0003	EA	Over-Fill Prevention Valve	1,367.78	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	4,471.25	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel.....	3,361.69	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	166.61	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	438.97	
23 13 33 00-0008	EA	Manhole Spill Containment	1,652.02	342.55
23 13 33 00-0009	EA	Fill Adapter, 4"	388.93	228.42
23 13 33 00-0010	EA	Fill Cap, 4"	260.43	85.64
23 13 33 00-0011	EA	2" Vent Cap.....	159.46	57.13
23 13 33 00-0012	EA	4" x 2" Extractor Fitting	482.94	85.64
23 13 33 00-0013	EA	Float Vent Valve.....	477.61	171.27
23 13 33 00-0014	EA	Vapor Hose Adapter	479.47	114.14
23 13 33 00-0015	EA	Dust Cap	213.72	62.34
23 13 33 00-0016	EA	1" Double Poppet Foot Valve.....	497.56	97.83
23 13 33 00-0017	EA	10' Wood Gage Stick	41.11	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	166.94	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	221.92	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	108.18	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	146.63	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	231.52	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	955.93	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,920.37	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	2,267.95	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	2,473.94	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	2,713.45	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	3,856.13	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	4,751.93	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	5,262.38	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	6,454.79	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	7,632.96	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	8,544.46	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	9,863.07	

23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)

23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)

23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	57.92	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	64.71	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	71.11	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	85.59	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	88.53	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	115.53	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	181.26	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	314.65	

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	67.01	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	73.76	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	80.54	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0050 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	100.22	
23 13 33 00-0051 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	107.00	
23 13 33 00-0052 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	132.26	
23 13 33 00-0053 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	203.58	
23 13 33 00-0054 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	346.34	
23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0056 EA 1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	69.08	
23 13 33 00-0057 EA 3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	79.71	
23 13 33 00-0058 EA 1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	89.96	
23 13 33 00-0059 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	116.05	
23 13 33 00-0060 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	151.07	
23 13 33 00-0061 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	233.91	
23 13 33 00-0062 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	365.18	
23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0064 EA 1/2" Polypropylene Bulkhead Fitting, Thread x Thread	80.60	
23 13 33 00-0065 EA 3/4" Polypropylene Bulkhead Fitting, Thread x Thread	95.04	
23 13 33 00-0066 EA 1" Polypropylene Bulkhead Fitting, Thread x Thread	116.78	
23 13 33 00-0067 EA 1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	142.04	
23 13 33 00-0068 EA 1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	144.98	
23 13 33 00-0069 EA 2" Polypropylene Bulkhead Fitting, Thread x Thread	206.48	
23 13 33 00-0070 EA 3" Polypropylene Bulkhead Fitting, Thread x Thread	367.71	
23 13 33 00-0071 EA 4" Polypropylene Bulkhead Fitting, Thread x Thread	654.44	
23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0073 EA 3/4" Polyethylene Bulkhead Fitting, Thread x Thread	71.32	
23 13 33 00-0074 EA 1" Polyethylene Bulkhead Fitting, Thread x Thread	91.59	
23 13 33 00-0075 EA 1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	94.53	
23 13 33 00-0076 EA 1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	97.47	
23 13 33 00-0077 EA 2" Polyethylene Bulkhead Fitting, Thread x Thread	135.04	
23 13 33 00-0078 EA 3" Polyethylene Bulkhead Fitting, Thread x Thread	170.22	
23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0080 EA 1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	298.85	
23 13 33 00-0081 EA 1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	341.60	
23 13 33 00-0082 EA 3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	419.70	
23 13 33 00-0083 EA 1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	483.79	
23 13 33 00-0084 EA 3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	557.33	
23 13 33 00-0085 EA 1" TFE Teflon Bulkhead Fitting, Thread x Thread	701.69	
23 13 33 00-0086 EA 1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	911.19	
23 13 33 00-0087 EA 2" TFE Teflon Bulkhead Fitting, Thread x Thread	1,006.64	
23 13 33 00-0088 Self-Aligning Bulkhead Fittings <small>(23 13 33 00-0035)</small>		
23 13 33 00-0089 EA 3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	306.65	
23 13 33 00-0090 EA 1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	307.25	
23 13 33 00-0091 EA 1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	447.72	
23 13 33 00-0092 EA 2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	457.21	
23 13 33 00-0093 EA 3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	615.93	

23 20 HVAC Piping and Pumps (23)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping and Pumps (23 20)**23 21 13 Hydronic Piping** (23 21)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping (23 21 13)**23 21 13 23-0001 Threaded Black Steel Pipe** (23 21 13 23)**23 21 13 23-0002 Threaded Black Steel Pipe Assemblies** (23 21 13 23-0001)

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0003 LF 1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....23.82 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 5.59 <i>For Work In Restricted Working Space, Add</i> 5.60	23.82	5.42
23 21 13 23-0004 LF 3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....25.89 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 6.20 <i>For Work In Restricted Working Space, Add</i> 5.85	25.89	5.82
23 21 13 23-0005 LF 1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....28.51 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 6.97 <i>For Work In Restricted Working Space, Add</i> 6.17	28.51	6.37
23 21 13 23-0006 LF 1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....33.62 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 8.55 <i>For Work In Restricted Working Space, Add</i> 6.66	33.62	6.64
23 21 13 23-0007 LF 1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....35.59 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 9.21 <i>For Work In Restricted Working Space, Add</i> 6.75	35.59	7.86
23 21 13 23-0008 LF 2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....42.44 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 11.22 <i>For Work In Restricted Working Space, Add</i> 7.61	42.44	9.48
23 21 13 23-0009 LF 2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....61.46 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 17.09 <i>For Work In Restricted Working Space, Add</i> 9.44	61.46	11.24
23 21 13 23-0010 LF 3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....77.76 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 21.83 <i>For Work In Restricted Working Space, Add</i> 11.57	77.76	15.04
23 21 13 23-0011 LF 4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....106.22 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 32.01 <i>For Work In Restricted Working Space, Add</i> 11.67	106.22	16.16
23 21 13 23-0012 LF 5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....172.78 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 54.78 <i>For Work In Restricted Working Space, Add</i> 13.91	172.78	20.65
23 21 13 23-0013 LF 6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....205.47 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 65.57 <i>For Work In Restricted Working Space, Add</i> 15.76	205.47	24.42
23 21 13 23-0014 Threaded Black Steel Pipe And Fittings <small>(23 21 13 23-0001)</small> Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015 Threaded And Coupled, Black Steel Piping <small>(23 21 13 23-0014)</small> Note: ASTM A-53. Includes coupling.		
23 21 13 23-0016 LF 3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....8.76 <i>For Schedule 80 Pipe, Add</i> 1.55 <i>For Work In Restricted Working Space, Add</i> 2.05	8.76	3.39
23 21 13 23-0017 LF 1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....11.42 <i>For Schedule 80 Pipe, Add</i> 2.27 <i>For Work In Restricted Working Space, Add</i> 2.46	11.42	5.42
23 21 13 23-0018 LF 3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....12.90 <i>For Schedule 80 Pipe, Add</i> 2.75 <i>For Work In Restricted Working Space, Add</i> 2.62	12.90	5.82
23 21 13 23-0019 LF 1" Schedule 40, Threaded And Coupled, Black Steel Pipe.....15.02 <i>For Schedule 80 Pipe, Add</i> 3.44 <i>For Work In Restricted Working Space, Add</i> 2.84	15.02	6.37
23 21 13 23-0020 LF 1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....17.46 <i>For Schedule 80 Pipe, Add</i> 4.34 <i>For Work In Restricted Working Space, Add</i> 3.01	17.46	6.64
23 21 13 23-0021 LF 1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....20.66 <i>For Schedule 80 Pipe, Add</i> 5.17 <i>For Work In Restricted Working Space, Add</i> 3.53	20.66	7.86
23 21 13 23-0022 LF 2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....25.89 <i>For Schedule 80 Pipe, Add</i> 6.66 <i>For Work In Restricted Working Space, Add</i> 4.28	25.89	9.48

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0023 LF 2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	35.31	11.24
For Schedule 80 Pipe, Add	9.96	
For Work In Restricted Working Space, Add	5.08	
23 21 13 23-0024 LF 3" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	46.64	15.04
For Schedule 80 Pipe, Add	13.09	
For Work In Restricted Working Space, Add	6.77	
23 21 13 23-0025 LF 4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	60.26	16.16
For Schedule 80 Pipe, Add	18.61	
For Work In Restricted Working Space, Add	7.29	
23 21 13 23-0026 LF 5" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	78.71	20.65
For Schedule 80 Pipe, Add	24.60	
For Work In Restricted Working Space, Add	9.28	
23 21 13 23-0027 LF 6" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	99.60	24.42
For Schedule 80 Pipe, Add	32.02	
For Work In Restricted Working Space, Add	10.97	
23 21 13 23-0028 LF 8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	137.66	29.52
For Schedule 80 Pipe, Add	46.48	
For Work In Restricted Working Space, Add	13.25	
23 21 13 23-0029 LF 10" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	186.30	35.96
For Schedule 80 Pipe, Add	64.94	
For Work In Restricted Working Space, Add	16.20	
23 21 13 23-0030 LF 12" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	248.77	47.26
For Schedule 80 Pipe, Add	87.14	
For Work In Restricted Working Space, Add	21.26	
23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows (23 21 13 23-0014)		
23 21 13 23-0032 EA 3/8", 150 LB, Black Malleable Iron 90 Degree Elbow.....	37.94	20.06
For 300 LB Rating, Add	20.62	
For Standard Weight Cast Iron Fittings, Add	0.13	
For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0033 EA 1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	41.56	24.12
For 300 LB Rating, Add	15.20	
For Standard Weight Cast Iron Fittings, Add	0.09	
For Work In Restricted Working Space, Add	10.84	
23 21 13 23-0034 EA 3/4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	46.99	26.97
For 300 LB Rating, Add	18.15	
For Standard Weight Cast Iron Fittings, Add	0.10	
For Work In Restricted Working Space, Add	12.13	
23 21 13 23-0035 EA 1", 150 LB, Black Malleable Iron 90 Degree Elbow.....	56.54	30.07
For 300 LB Rating, Add	30.02	
For Standard Weight Cast Iron Fittings, Add	0.18	
For Work In Restricted Working Space, Add	13.55	
23 21 13 23-0036 EA 1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	69.88	34.15
For 300 LB Rating, Add	48.09	
For Standard Weight Cast Iron Fittings, Add	0.30	
For Work In Restricted Working Space, Add	15.34	
23 21 13 23-0037 EA 1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	82.34	38.48
For 300 LB Rating, Add	62.72	
For Standard Weight Cast Iron Fittings, Add	0.40	
For Work In Restricted Working Space, Add	17.30	
23 21 13 23-0038 EA 2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	115.81	48.91
For 300 LB Rating, Add	106.59	
For Standard Weight Cast Iron Fittings, Add	0.68	
For Work In Restricted Working Space, Add	21.97	
23 21 13 23-0039 EA 2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	203.23	72.35
For 300 LB Rating, Add	234.12	
For Standard Weight Cast Iron Fittings, Add	1.52	
For Work In Restricted Working Space, Add	32.52	
23 21 13 23-0040 EA 3", 150 LB, Black Malleable Iron 90 Degree Elbow.....	281.40	95.11
For 300 LB Rating, Add	341.63	
For Standard Weight Cast Iron Fittings, Add	2.22	
For Work In Restricted Working Space, Add	42.79	
23 21 13 23-0041 EA 4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	439.83	94.52
For 300 LB Rating, Add	723.92	
For Standard Weight Cast Iron Fittings, Add	4.77	
For Work In Restricted Working Space, Add	42.52	
23 21 13 23-0042 EA 5", 150 LB, Black Malleable Iron 90 Degree Elbow.....	1,018.95	98.65
For 300 LB Rating, Add	2,099.39	
For Standard Weight Cast Iron Fittings, Add	13.94	
For Work In Restricted Working Space, Add	44.37	
23 21 13 23-0043 EA 6", 150 LB, Black Malleable Iron 90 Degree Elbow.....	1,160.82	103.14
For 300 LB Rating, Add	2,424.13	
For Standard Weight Cast Iron Fittings, Add	16.10	
For Work In Restricted Working Space, Add	46.39	
23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows (23 21 13 23-0014)		
23 21 13 23-0045 EA 1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	43.45	22.09
For 300 LB Rating, Add	26.80	
For Standard Weight Cast Iron Fittings, Add	0.17	
For Work In Restricted Working Space, Add	9.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0046 EA 3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	48.93	25.47
<i>For 300 LB Rating, Add</i>	27.83	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
<i>For Work In Restricted Working Space, Add</i>	11.49	
23 21 13 23-0047 EA 3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	50.16	23.58
<i>For 300 LB Rating, Add</i>	37.83	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.24	
<i>For Work In Restricted Working Space, Add</i>	10.58	
23 21 13 23-0048 EA 1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	56.48	28.58
<i>For 300 LB Rating, Add</i>	35.40	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.22	
<i>For Work In Restricted Working Space, Add</i>	12.84	
23 21 13 23-0049 EA 1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	55.40	27.10
<i>For 300 LB Rating, Add</i>	37.86	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.24	
<i>For Work In Restricted Working Space, Add</i>	12.19	
23 21 13 23-0050 EA 1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	66.68	25.06
<i>For 300 LB Rating, Add</i>	71.95	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.46	
<i>For Work In Restricted Working Space, Add</i>	11.29	
23 21 13 23-0051 EA 1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	71.12	32.11
<i>For 300 LB Rating, Add</i>	58.04	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.37	
<i>For Work In Restricted Working Space, Add</i>	14.44	
23 21 13 23-0052 EA 1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	71.42	30.49
<i>For 300 LB Rating, Add</i>	64.28	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.41	
<i>For Work In Restricted Working Space, Add</i>	13.73	
23 21 13 23-0053 EA 1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	73.59	29.13
<i>For 300 LB Rating, Add</i>	74.52	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.48	
<i>For Work In Restricted Working Space, Add</i>	13.09	
23 21 13 23-0054 EA 1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	86.80	36.31
<i>For 300 LB Rating, Add</i>	81.07	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.52	
<i>For Work In Restricted Working Space, Add</i>	16.31	
23 21 13 23-0055 EA 1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	83.83	34.28
<i>For 300 LB Rating, Add</i>	80.89	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.52	
<i>For Work In Restricted Working Space, Add</i>	15.42	
23 21 13 23-0056 EA 1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	86.14	32.65
<i>For 300 LB Rating, Add</i>	91.98	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.59	
<i>For Work In Restricted Working Space, Add</i>	14.71	
23 21 13 23-0057 EA 2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	112.41	43.63
<i>For 300 LB Rating, Add</i>	116.65	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.75	
<i>For Work In Restricted Working Space, Add</i>	19.63	
23 21 13 23-0058 EA 2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	115.56	41.46
<i>For 300 LB Rating, Add</i>	131.84	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.85	
<i>For Work In Restricted Working Space, Add</i>	18.65	
23 21 13 23-0059 EA 2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	112.57	39.43
<i>For 300 LB Rating, Add</i>	131.66	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.85	
<i>For Work In Restricted Working Space, Add</i>	17.76	
23 21 13 23-0060 EA 2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	113.44	37.94
<i>For 300 LB Rating, Add</i>	139.25	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	17.05	
23 21 13 23-0061 EA 2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	219.72	60.56
<i>For 300 LB Rating, Add</i>	314.83	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.06	
<i>For Work In Restricted Working Space, Add</i>	27.24	
23 21 13 23-0062 EA 2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	219.53	55.42
<i>For 300 LB Rating, Add</i>	332.58	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.18	
<i>For Work In Restricted Working Space, Add</i>	24.91	
23 21 13 23-0063 EA 3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	366.75	83.73
<i>For 300 LB Rating, Add</i>	586.53	
<i>For Standard Weight Cast Iron Fittings, Add</i>	3.86	
<i>For Work In Restricted Working Space, Add</i>	37.65	
23 21 13 23-0064 EA 3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	316.33	71.94
<i>For 300 LB Rating, Add</i>	506.64	
<i>For Standard Weight Cast Iron Fittings, Add</i>	3.33	
<i>For Work In Restricted Working Space, Add</i>	32.38	
23 21 13 23-0065 EA 4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	547.13	89.90
<i>For 300 LB Rating, Add</i>	997.63	
<i>For Standard Weight Cast Iron Fittings, Add</i>	6.60	
<i>For Work In Restricted Working Space, Add</i>	40.45	

23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows (23 21 13 23-0014)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0067 EA 3/8", 150 LB, Black Malleable Iron 45 Degree Elbow.....	41.90	20.06
For 300 LB Rating, Add	30.13	
For Standard Weight Cast Iron Fittings, Add	0.19	
For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0068 EA 1/2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	45.11	24.12
For 300 LB Rating, Add	23.72	
For Standard Weight Cast Iron Fittings, Add	0.14	
For Work In Restricted Working Space, Add	10.84	
23 21 13 23-0069 EA 3/4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	51.53	26.97
For 300 LB Rating, Add	29.04	
For Standard Weight Cast Iron Fittings, Add	0.18	
For Work In Restricted Working Space, Add	12.13	
23 21 13 23-0070 EA 1", 150 LB, Black Malleable Iron 45 Degree Elbow.....	59.12	30.07
For 300 LB Rating, Add	36.21	
For Standard Weight Cast Iron Fittings, Add	0.22	
For Work In Restricted Working Space, Add	13.55	
23 21 13 23-0071 EA 1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	75.83	34.15
For 300 LB Rating, Add	62.37	
For Standard Weight Cast Iron Fittings, Add	0.40	
For Work In Restricted Working Space, Add	15.34	
23 21 13 23-0072 EA 1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	88.22	38.48
For 300 LB Rating, Add	76.83	
For Standard Weight Cast Iron Fittings, Add	0.49	
For Work In Restricted Working Space, Add	17.30	
23 21 13 23-0073 EA 2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	119.45	48.91
For 300 LB Rating, Add	115.32	
For Standard Weight Cast Iron Fittings, Add	0.74	
For Work In Restricted Working Space, Add	21.97	
23 21 13 23-0074 EA 2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	242.12	72.35
For 300 LB Rating, Add	327.46	
For Standard Weight Cast Iron Fittings, Add	2.14	
For Work In Restricted Working Space, Add	32.52	
23 21 13 23-0075 EA 3", 150 LB, Black Malleable Iron 45 Degree Elbow.....	316.32	95.11
For 300 LB Rating, Add	425.44	
For Standard Weight Cast Iron Fittings, Add	2.78	
For Work In Restricted Working Space, Add	42.79	
23 21 13 23-0076 EA 4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	482.37	94.52
For 300 LB Rating, Add	826.02	
For Standard Weight Cast Iron Fittings, Add	5.45	
For Work In Restricted Working Space, Add	42.52	
23 21 13 23-0077 EA 5", 150 LB, Black Malleable Iron 45 Degree Elbow.....	1,493.39	98.65
For 300 LB Rating, Add	3,238.05	
For Standard Weight Cast Iron Fittings, Add	21.53	
For Work In Restricted Working Space, Add	44.37	
23 21 13 23-0078 EA 6", 150 LB, Black Malleable Iron 45 Degree Elbow.....	1,531.22	103.14
For 300 LB Rating, Add	3,313.09	
For Standard Weight Cast Iron Fittings, Add	22.03	
For Work In Restricted Working Space, Add	46.39	
23 21 13 23-0079 Black Malleable Iron Tees <small>(23 21 13 23-0014)</small>		
23 21 13 23-0080 EA 3/8", 150 LB, Black Malleable Iron Tee.....	49.02	24.79
For 300 LB Rating, Add	29.57	
For Standard Weight Cast Iron Fittings, Add	0.18	
For Work In Restricted Working Space, Add	11.29	
23 21 13 23-0081 EA 1/2", 150 LB, Black Malleable Iron Tee.....	52.43	30.07
For 300 LB Rating, Add	20.16	
For Standard Weight Cast Iron Fittings, Add	0.12	
For Work In Restricted Working Space, Add	13.55	
23 21 13 23-0082 EA 3/4", 150 LB, Black Malleable Iron Tee.....	62.53	34.82
For 300 LB Rating, Add	28.13	
For Standard Weight Cast Iron Fittings, Add	0.17	
For Work In Restricted Working Space, Add	15.63	
23 21 13 23-0083 EA 1", 150 LB, Black Malleable Iron Tee.....	79.43	41.06
For 300 LB Rating, Add	46.53	
For Standard Weight Cast Iron Fittings, Add	0.29	
For Work In Restricted Working Space, Add	18.47	
23 21 13 23-0084 EA 1-1/4", 150 LB, Black Malleable Iron Tee.....	102.13	48.91
For 300 LB Rating, Add	73.75	
For Standard Weight Cast Iron Fittings, Add	0.46	
For Work In Restricted Working Space, Add	21.97	
23 21 13 23-0085 EA 1-1/2", 150 LB, Black Malleable Iron Tee.....	123.35	58.26
For 300 LB Rating, Add	91.50	
For Standard Weight Cast Iron Fittings, Add	0.58	
For Work In Restricted Working Space, Add	26.22	
23 21 13 23-0086 EA 2", 150 LB, Black Malleable Iron Tee.....	169.65	72.35
For 300 LB Rating, Add	153.53	
For Standard Weight Cast Iron Fittings, Add	0.98	
For Work In Restricted Working Space, Add	32.52	
23 21 13 23-0087 EA 2-1/2", 150 LB, Black Malleable Iron Tee.....	274.68	95.11
For 300 LB Rating, Add	325.50	
For Standard Weight Cast Iron Fittings, Add	2.11	
For Work In Restricted Working Space, Add	42.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0088 EA 3", 150 LB, Black Malleable Iron Tee.....	363.88	113.00
For 300 LB Rating, Add	477.01	
For Standard Weight Cast Iron Fittings, Add	3.11	
For Work In Restricted Working Space, Add	50.81	
23 21 13 23-0089 EA 4", 150 LB, Black Malleable Iron Tee.....	649.20	119.43
For 300 LB Rating, Add	1,139.13	
For Standard Weight Cast Iron Fittings, Add	7.52	
For Work In Restricted Working Space, Add	53.71	
23 21 13 23-0090 EA 5", 150 LB, Black Malleable Iron Tee.....	1,637.37	141.78
For 300 LB Rating, Add	3,432.18	
For Standard Weight Cast Iron Fittings, Add	22.80	
For Work In Restricted Working Space, Add	63.78	
23 21 13 23-0091 EA 6", 150 LB, Black Malleable Iron Tee.....	1,772.01	162.07
For 300 LB Rating, Add	3,684.23	
For Standard Weight Cast Iron Fittings, Add	24.46	
For Work In Restricted Working Space, Add	72.90	
23 21 13 23-0092 Black Malleable Iron Reducing Tees (23 21 13 23-0014)		
23 21 13 23-0093 EA 1/2", 150 LB, Black Malleable Iron Reducing Tee.....	57.51	30.07
For 300 LB Rating, Add	32.35	
For Standard Weight Cast Iron Fittings, Add	0.20	
For Work In Restricted Working Space, Add	13.55	
23 21 13 23-0094 EA 3/4", 150 LB, Black Malleable Iron Reducing Tee.....	68.23	34.82
For 300 LB Rating, Add	41.81	
For Standard Weight Cast Iron Fittings, Add	0.26	
For Work In Restricted Working Space, Add	15.63	
23 21 13 23-0095 EA 1", 150 LB, Black Malleable Iron Reducing Tee.....	81.91	41.06
For 300 LB Rating, Add	52.49	
For Standard Weight Cast Iron Fittings, Add	0.33	
For Work In Restricted Working Space, Add	18.47	
23 21 13 23-0096 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Tee.....	113.20	48.91
For 300 LB Rating, Add	100.32	
For Standard Weight Cast Iron Fittings, Add	0.64	
For Work In Restricted Working Space, Add	21.97	
23 21 13 23-0097 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	131.70	58.26
For 300 LB Rating, Add	111.54	
For Standard Weight Cast Iron Fittings, Add	0.71	
For Work In Restricted Working Space, Add	26.22	
23 21 13 23-0098 EA 2", 150 LB, Black Malleable Iron Reducing Tee.....	172.68	72.35
For 300 LB Rating, Add	160.80	
For Standard Weight Cast Iron Fittings, Add	1.03	
For Work In Restricted Working Space, Add	32.52	
23 21 13 23-0099 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	342.94	95.11
For 300 LB Rating, Add	489.33	
For Standard Weight Cast Iron Fittings, Add	3.21	
For Work In Restricted Working Space, Add	42.79	
23 21 13 23-0100 EA 3", 150 LB, Black Malleable Iron Reducing Tee.....	398.81	113.00
For 300 LB Rating, Add	560.84	
For Standard Weight Cast Iron Fittings, Add	3.67	
For Work In Restricted Working Space, Add	50.81	
23 21 13 23-0101 EA 4", 150 LB, Black Malleable Iron Reducing Tee.....	735.50	119.43
For 300 LB Rating, Add	1,346.25	
For Standard Weight Cast Iron Fittings, Add	8.90	
For Work In Restricted Working Space, Add	53.71	
23 21 13 23-0102 EA 5", 150 LB, Black Malleable Iron Reducing Tee.....	1,503.29	141.78
For 300 LB Rating, Add	3,110.39	
For Standard Weight Cast Iron Fittings, Add	20.65	
For Work In Restricted Working Space, Add	63.78	
23 21 13 23-0103 EA 6", 150 LB, Black Malleable Iron Reducing Tee.....	1,706.93	162.07
For 300 LB Rating, Add	3,528.04	
For Standard Weight Cast Iron Fittings, Add	23.42	
For Work In Restricted Working Space, Add	72.90	
23 21 13 23-0104 Black Malleable Iron Couplings (23 21 13 23-0014)		
23 21 13 23-0105 EA 3/8", 150 LB, Black Malleable Iron Coupling.....	39.85	20.06
For 300 LB Rating, Add	25.21	
For Standard Weight Cast Iron Fittings, Add	0.16	
For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0106 EA 1/2", 150 LB, Black Malleable Iron Coupling.....	43.64	24.12
For 300 LB Rating, Add	20.19	
For Standard Weight Cast Iron Fittings, Add	0.12	
For Work In Restricted Working Space, Add	10.84	
23 21 13 23-0107 EA 3/4", 150 LB, Black Malleable Iron Coupling.....	49.23	26.97
For 300 LB Rating, Add	23.52	
For Standard Weight Cast Iron Fittings, Add	0.14	
For Work In Restricted Working Space, Add	12.13	
23 21 13 23-0108 EA 1", 150 LB, Black Malleable Iron Coupling.....	58.33	30.07
For 300 LB Rating, Add	34.32	
For Standard Weight Cast Iron Fittings, Add	0.21	
For Work In Restricted Working Space, Add	13.55	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0109 EA 1-1/4", 150 LB, Black Malleable Iron Coupling.....	68.17	34.15
For 300 LB Rating, Add	43.99	
For Standard Weight Cast Iron Fittings, Add	0.27	
For Work In Restricted Working Space, Add	15.34	
23 21 13 23-0110 EA 1-1/2", 150 LB, Black Malleable Iron Coupling.....	80.69	38.48
For 300 LB Rating, Add	58.76	
For Standard Weight Cast Iron Fittings, Add	0.37	
For Work In Restricted Working Space, Add	17.30	
23 21 13 23-0111 EA 2", 150 LB, Black Malleable Iron Coupling.....	107.38	48.91
For 300 LB Rating, Add	86.35	
For Standard Weight Cast Iron Fittings, Add	0.55	
For Work In Restricted Working Space, Add	21.97	
23 21 13 23-0112 EA 2-1/2", 150 LB, Black Malleable Iron Coupling.....	202.62	72.35
For 300 LB Rating, Add	232.66	
For Standard Weight Cast Iron Fittings, Add	1.51	
For Work In Restricted Working Space, Add	32.52	
23 21 13 23-0113 EA 3", 150 LB, Black Malleable Iron Coupling.....	270.02	95.11
For 300 LB Rating, Add	314.32	
For Standard Weight Cast Iron Fittings, Add	2.04	
For Work In Restricted Working Space, Add	42.79	
23 21 13 23-0114 EA 4", 150 LB, Black Malleable Iron Coupling.....	398.31	94.52
For 300 LB Rating, Add	624.27	
For Standard Weight Cast Iron Fittings, Add	4.11	
For Work In Restricted Working Space, Add	42.52	
23 21 13 23-0115 EA 5", 150 LB, Black Malleable Iron Coupling.....	870.36	98.65
For 300 LB Rating, Add	1,742.78	
For Standard Weight Cast Iron Fittings, Add	11.56	
For Work In Restricted Working Space, Add	44.37	
23 21 13 23-0116 EA 6", 150 LB, Black Malleable Iron Coupling.....	977.69	103.14
For 300 LB Rating, Add	1,984.62	
For Standard Weight Cast Iron Fittings, Add	13.17	
For Work In Restricted Working Space, Add	46.39	
23 21 13 23-0117 Black Malleable Iron Reducing Couplings (23 21 13 23-0014)		
23 21 13 23-0118 EA 1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	45.45	24.12
For 300 LB Rating, Add	24.54	
For Standard Weight Cast Iron Fittings, Add	0.15	
For Work In Restricted Working Space, Add	10.84	
23 21 13 23-0119 EA 3/4", 150 LB, Black Malleable Iron Reducing Coupling.....	50.31	26.97
For 300 LB Rating, Add	26.11	
For Standard Weight Cast Iron Fittings, Add	0.16	
For Work In Restricted Working Space, Add	12.13	
23 21 13 23-0120 EA 1", 150 LB, Black Malleable Iron Reducing Coupling.....	60.53	30.07
For 300 LB Rating, Add	39.60	
For Standard Weight Cast Iron Fittings, Add	0.25	
For Work In Restricted Working Space, Add	13.55	
23 21 13 23-0121 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Coupling.....	70.88	34.15
For 300 LB Rating, Add	50.49	
For Standard Weight Cast Iron Fittings, Add	0.32	
For Work In Restricted Working Space, Add	15.34	
23 21 13 23-0122 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	82.62	38.48
For 300 LB Rating, Add	63.39	
For Standard Weight Cast Iron Fittings, Add	0.40	
For Work In Restricted Working Space, Add	17.30	
23 21 13 23-0123 EA 2", 150 LB, Black Malleable Iron Reducing Coupling.....	109.42	48.91
For 300 LB Rating, Add	91.25	
For Standard Weight Cast Iron Fittings, Add	0.58	
For Work In Restricted Working Space, Add	21.97	
23 21 13 23-0124 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	215.34	72.35
For 300 LB Rating, Add	263.18	
For Standard Weight Cast Iron Fittings, Add	1.71	
For Work In Restricted Working Space, Add	32.52	
23 21 13 23-0125 EA 3", 150 LB, Black Malleable Iron Reducing Coupling.....	272.63	95.11
For 300 LB Rating, Add	320.58	
For Standard Weight Cast Iron Fittings, Add	2.08	
For Work In Restricted Working Space, Add	42.79	
23 21 13 23-0126 EA 4", 150 LB, Black Malleable Iron Reducing Coupling.....	402.32	94.52
For 300 LB Rating, Add	633.90	
For Standard Weight Cast Iron Fittings, Add	4.17	
For Work In Restricted Working Space, Add	42.52	
23 21 13 23-0127 EA 5", 150 LB, Black Malleable Iron Reducing Coupling.....	733.60	98.65
For 300 LB Rating, Add	1,414.55	
For Standard Weight Cast Iron Fittings, Add	9.37	
For Work In Restricted Working Space, Add	44.37	
23 21 13 23-0128 EA 6", 150 LB, Black Malleable Iron Reducing Coupling.....	906.91	103.14
For 300 LB Rating, Add	1,814.75	
For Standard Weight Cast Iron Fittings, Add	12.04	
For Work In Restricted Working Space, Add	46.39	
23 21 13 23-0129 Black Malleable Iron Caps (23 21 13 23-0014)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0130 EA 1/2", 150 LB, Black Malleable Iron Cap.....	21.75	10.70
<i>For 300 LB Rating, Add</i>	14.18	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21 13 23-0131 EA 3/4", 150 LB, Black Malleable Iron Cap.....	25.62	12.06
<i>For 300 LB Rating, Add</i>	18.92	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
<i>For Work In Restricted Working Space, Add</i>	5.46	
23 21 13 23-0132 EA 1", 150 LB, Black Malleable Iron Cap.....	29.33	13.42
<i>For 300 LB Rating, Add</i>	22.82	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
<i>For Work In Restricted Working Space, Add</i>	6.10	
23 21 13 23-0133 EA 1-1/4", 150 LB, Black Malleable Iron Cap.....	34.84	15.18
<i>For 300 LB Rating, Add</i>	29.80	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.19	
<i>For Work In Restricted Working Space, Add</i>	6.90	
23 21 13 23-0134 EA 1-1/2", 150 LB, Black Malleable Iron Cap.....	42.23	17.07
<i>For 300 LB Rating, Add</i>	40.63	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.26	
<i>For Work In Restricted Working Space, Add</i>	7.79	
23 21 13 23-0135 EA 2", 150 LB, Black Malleable Iron Cap.....	56.72	21.82
<i>For 300 LB Rating, Add</i>	59.03	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.38	
<i>For Work In Restricted Working Space, Add</i>	9.89	
23 21 13 23-0136 EA 2-1/2", 150 LB, Black Malleable Iron Cap.....	103.31	32.25
<i>For 300 LB Rating, Add</i>	133.82	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.87	
<i>For Work In Restricted Working Space, Add</i>	14.63	
23 21 13 23-0137 EA 3", 150 LB, Black Malleable Iron Cap.....	144.61	42.40
<i>For 300 LB Rating, Add</i>	196.88	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.29	
<i>For Work In Restricted Working Space, Add</i>	19.25	
23 21 13 23-0138 EA 4", 150 LB, Black Malleable Iron Cap.....	201.70	42.16
<i>For 300 LB Rating, Add</i>	334.83	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.21	
<i>For Work In Restricted Working Space, Add</i>	19.13	
23 21 13 23-0139 EA 5", 150 LB, Black Malleable Iron Cap.....	395.27	43.98
<i>For 300 LB Rating, Add</i>	792.92	
<i>For Standard Weight Cast Iron Fittings, Add</i>	5.26	
<i>For Work In Restricted Working Space, Add</i>	19.97	
23 21 13 23-0140 EA 6", 150 LB, Black Malleable Iron Cap.....	672.15	45.93
<i>For 300 LB Rating, Add</i>	1,450.34	
<i>For Standard Weight Cast Iron Fittings, Add</i>	9.64	
<i>For Work In Restricted Working Space, Add</i>	20.87	
23 21 13 23-0141 Black Malleable Iron Unions <small>(23 21 13 23-0014)</small>		
23 21 13 23-0142 EA 3/8", 150 LB, Black Malleable Iron Union.....	56.44	20.06
<i>For Work In Restricted Working Space, Add</i>	9.03	
23 21 13 23-0143 EA 1/2", 150 LB, Black Malleable Iron Union.....	68.99	30.07
<i>For Work In Restricted Working Space, Add</i>	13.55	
23 21 13 23-0144 EA 3/4", 150 LB, Black Malleable Iron Union.....	79.50	34.82
<i>For Work In Restricted Working Space, Add</i>	15.63	
23 21 13 23-0145 EA 1", 150 LB, Black Malleable Iron Union.....	97.30	41.06
<i>For Work In Restricted Working Space, Add</i>	18.47	
23 21 13 23-0146 EA 1-1/4", 150 LB, Black Malleable Iron Union.....	124.46	48.91
<i>For Work In Restricted Working Space, Add</i>	21.97	
23 21 13 23-0147 EA 1-1/2", 150 LB, Black Malleable Iron Union.....	151.27	58.26
<i>For Work In Restricted Working Space, Add</i>	26.22	
23 21 13 23-0148 EA 2", 150 LB, Black Malleable Iron Union.....	182.65	72.35
<i>For Work In Restricted Working Space, Add</i>	32.52	
23 21 13 23-0149 EA 2-1/2", 150 LB, Black Malleable Iron Union.....	381.24	106.62
<i>For Work In Restricted Working Space, Add</i>	48.00	
23 21 13 23-0150 EA 3", 150 LB, Black Malleable Iron Union.....	476.87	140.23
<i>For Work In Restricted Working Space, Add</i>	63.16	
23 21 13 23-0151 EA 3/8", 250 LB, Black Malleable Iron Union.....	64.90	20.06
<i>For Work In Restricted Working Space, Add</i>	9.03	
23 21 13 23-0152 EA 1/2", 250 LB, Black Malleable Iron Union.....	85.09	30.07
<i>For Work In Restricted Working Space, Add</i>	13.55	
23 21 13 23-0153 EA 3/4", 250 LB, Black Malleable Iron Union.....	91.39	34.82
<i>For Work In Restricted Working Space, Add</i>	15.63	
23 21 13 23-0154 EA 1", 250 LB, Black Malleable Iron Union.....	109.76	41.06
<i>For Work In Restricted Working Space, Add</i>	18.47	
23 21 13 23-0155 EA 1-1/4", 250 LB, Black Malleable Iron Union.....	154.09	48.91
<i>For Work In Restricted Working Space, Add</i>	21.97	
23 21 13 23-0156 EA 1-1/2", 250 LB, Black Malleable Iron Union.....	180.50	58.26
<i>For Work In Restricted Working Space, Add</i>	26.22	
23 21 13 23-0157 EA 2", 250 LB, Black Malleable Iron Union.....	227.81	72.35
<i>For Work In Restricted Working Space, Add</i>	32.52	
23 21 13 23-0158 EA 2-1/2", 250 LB, Black Malleable Iron Union.....	534.34	106.62
<i>For Work In Restricted Working Space, Add</i>	48.00	
23 21 13 23-0159 EA 3", 250 LB, Black Malleable Iron Union.....	648.62	140.23
<i>For Work In Restricted Working Space, Add</i>	63.16	
23 21 13 23-0160 EA 4", 250 LB, Black Malleable Iron Union.....	985.76	139.47
<i>For Work In Restricted Working Space, Add</i>	62.77	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0161	EA	3/8", 300 LB, Black Malleable Iron Union.....	86.58	20.06
			<i>For Work In Restricted Working Space, Add</i>	9.03	
23 21	13 23-0162	EA	1/2", 300 LB, Black Malleable Iron Union.....	90.85	30.07
			<i>For Work In Restricted Working Space, Add</i>	13.55	
23 21	13 23-0163	EA	3/4", 300 LB, Black Malleable Iron Union.....	102.70	34.82
			<i>For Work In Restricted Working Space, Add</i>	15.63	
23 21	13 23-0164	EA	1", 300 LB, Black Malleable Iron Union.....	127.63	41.06
			<i>For Work In Restricted Working Space, Add</i>	18.47	
23 21	13 23-0165	EA	1-1/4", 300 LB, Black Malleable Iron Union.....	180.97	48.91
			<i>For Work In Restricted Working Space, Add</i>	21.97	
23 21	13 23-0166	EA	1-1/2", 300 LB, Black Malleable Iron Union.....	200.24	58.26
			<i>For Work In Restricted Working Space, Add</i>	26.22	
23 21	13 23-0167	EA	2", 300 LB, Black Malleable Iron Union.....	248.15	72.35
			<i>For Work In Restricted Working Space, Add</i>	32.52	
23 21	13 23-0168	EA	2-1/2", 300 LB, Black Malleable Iron Union.....	610.60	106.62
			<i>For Work In Restricted Working Space, Add</i>	48.00	
23 21	13 23-0169	EA	3", 300 LB, Black Malleable Iron Union.....	793.44	140.23
			<i>For Work In Restricted Working Space, Add</i>	63.16	
23 21	13 23-0170	EA	4", 300 LB, Black Malleable Iron Union.....	2,059.35	139.47
			<i>For Work In Restricted Working Space, Add</i>	62.77	
23 21	13 23-0171		Black Steel Nipples <small>(23 21 13 23-0014)</small>		
23 21	13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple.....	21.49	12.87
			<i>For Schedule 80 Nipples, Add</i>	1.07	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple.....	21.16	12.87
			<i>For Schedule 80 Nipples, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple.....	21.42	12.87
			<i>For Schedule 80 Nipples, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple.....	23.85	13.95
			<i>For Schedule 80 Nipples, Add</i>	1.51	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
23 21	13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple.....	26.39	15.04
			<i>For Schedule 80 Nipples, Add</i>	1.91	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21	13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple.....	27.33	15.04
			<i>For Schedule 80 Nipples, Add</i>	2.38	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21	13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple.....	35.61	19.37
			<i>For Schedule 80 Nipples, Add</i>	3.24	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21	13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple.....	56.38	24.12
			<i>For Schedule 80 Nipples, Add</i>	10.13	
			<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21	13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple.....	67.76	29.13
			<i>For Schedule 80 Nipples, Add</i>	12.03	
			<i>For Work In Restricted Working Space, Add</i>	13.11	
23 21	13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple.....	84.84	32.43
			<i>For Schedule 80 Nipples, Add</i>	18.12	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
23 21	13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	21.78	12.87
			<i>For Schedule 80 Nipples, Add</i>	1.22	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	21.16	12.87
			<i>For Schedule 80 Nipples, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	21.58	12.87
			<i>For Schedule 80 Nipples, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple.....	21.78	12.87
			<i>For Schedule 80 Nipples, Add</i>	1.22	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	21.16	12.87
			<i>For Schedule 80 Nipples, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple.....	21.58	12.87
			<i>For Schedule 80 Nipples, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple.....	24.14	13.95
			<i>For Schedule 80 Nipples, Add</i>	1.65	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
23 21	13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple.....	26.91	15.04
			<i>For Schedule 80 Nipples, Add</i>	2.17	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21	13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	27.71	15.04
			<i>For Schedule 80 Nipples, Add</i>	2.57	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21	13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	22.47	12.87
			<i>For Schedule 80 Nipples, Add</i>	1.56	
			<i>For Work In Restricted Working Space, Add</i>	5.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0192 EA 1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	21.49	12.87
<i>For Schedule 80 Nipples, Add</i>	1.07	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0193 EA 3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	21.87	12.87
<i>For Schedule 80 Nipples, Add</i>	1.26	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0194 EA 1" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	24.34	13.95
<i>For Schedule 80 Nipples, Add</i>	1.75	
<i>For Work In Restricted Working Space, Add</i>	6.25	
23 21 13 23-0195 EA 1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	27.17	15.04
<i>For Schedule 80 Nipples, Add</i>	2.30	
<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21 13 23-0196 EA 1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	28.31	15.04
<i>For Schedule 80 Nipples, Add</i>	2.87	
<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21 13 23-0197 EA 2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	36.57	19.37
<i>For Schedule 80 Nipples, Add</i>	3.72	
<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-0198 EA 3/8" x 3" Long, Schedule 40 Black Steel Nipple.....	22.47	12.87
<i>For Schedule 80 Nipples, Add</i>	1.56	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0199 EA 1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	21.49	12.87
<i>For Schedule 80 Nipples, Add</i>	1.07	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0200 EA 3/4" x 3" Long, Schedule 40 Black Steel Nipple.....	21.87	12.87
<i>For Schedule 80 Nipples, Add</i>	1.26	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0201 EA 1" x 3" Long, Schedule 40 Black Steel Nipple.....	24.34	13.95
<i>For Schedule 80 Nipples, Add</i>	1.75	
<i>For Work In Restricted Working Space, Add</i>	6.25	
23 21 13 23-0202 EA 1-1/4" x 3" Long, Schedule 40 Black Steel Nipple.....	27.17	15.04
<i>For Schedule 80 Nipples, Add</i>	2.30	
<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21 13 23-0203 EA 1-1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	28.31	15.04
<i>For Schedule 80 Nipples, Add</i>	2.87	
<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21 13 23-0204 EA 2" x 3" Long, Schedule 40 Black Steel Nipple.....	36.57	19.37
<i>For Schedule 80 Nipples, Add</i>	3.72	
<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-0205 EA 2-1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	56.91	24.12
<i>For Schedule 80 Nipples, Add</i>	10.39	
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21 13 23-0206 EA 3" x 3" Long, Schedule 40 Black Steel Nipple.....	69.86	29.13
<i>For Schedule 80 Nipples, Add</i>	13.08	
<i>For Work In Restricted Working Space, Add</i>	13.11	
23 21 13 23-0207 EA 3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	23.03	12.87
<i>For Schedule 80 Nipples, Add</i>	1.84	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0208 EA 1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	21.91	12.87
<i>For Schedule 80 Nipples, Add</i>	1.28	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0209 EA 3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	22.47	12.87
<i>For Schedule 80 Nipples, Add</i>	1.56	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0210 EA 1" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	25.17	13.95
<i>For Schedule 80 Nipples, Add</i>	2.17	
<i>For Work In Restricted Working Space, Add</i>	6.25	
23 21 13 23-0211 EA 1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	28.02	15.04
<i>For Schedule 80 Nipples, Add</i>	2.72	
<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21 13 23-0212 EA 1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	29.00	15.04
<i>For Schedule 80 Nipples, Add</i>	3.21	
<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21 13 23-0213 EA 2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	38.13	19.37
<i>For Schedule 80 Nipples, Add</i>	4.50	
<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-0214 EA 2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	60.57	24.12
<i>For Schedule 80 Nipples, Add</i>	12.22	
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21 13 23-0215 EA 3" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	74.67	29.13
<i>For Schedule 80 Nipples, Add</i>	15.49	
<i>For Work In Restricted Working Space, Add</i>	13.11	
23 21 13 23-0216 EA 3/8" x 4" Long, Schedule 40 Black Steel Nipple.....	23.03	12.87
<i>For Schedule 80 Nipples, Add</i>	1.84	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0217 EA 1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	21.91	12.87
<i>For Schedule 80 Nipples, Add</i>	1.28	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0218 EA 3/4" x 4" Long, Schedule 40 Black Steel Nipple.....	22.47	12.87
<i>For Schedule 80 Nipples, Add</i>	1.56	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0219 EA 1" x 4" Long, Schedule 40 Black Steel Nipple.....	25.17	13.95
<i>For Schedule 80 Nipples, Add</i>	2.17	
<i>For Work In Restricted Working Space, Add</i>	6.25	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple.....	28.02	15.04
			<i>For Schedule 80 Nipples, Add</i>	2.72	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21	13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	29.00	15.04
			<i>For Schedule 80 Nipples, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21	13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple.....	38.13	19.37
			<i>For Schedule 80 Nipples, Add</i>	4.50	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21	13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	60.57	24.12
			<i>For Schedule 80 Nipples, Add</i>	12.22	
			<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21	13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple.....	74.67	29.13
			<i>For Schedule 80 Nipples, Add</i>	15.49	
			<i>For Work In Restricted Working Space, Add</i>	13.11	
23 21	13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple.....	90.52	32.43
			<i>For Schedule 80 Nipples, Add</i>	20.96	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
23 21	13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	24.66	12.87
			<i>For Schedule 80 Nipples, Add</i>	2.66	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	22.36	12.87
			<i>For Schedule 80 Nipples, Add</i>	1.51	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	23.27	12.87
			<i>For Schedule 80 Nipples, Add</i>	1.96	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	25.97	13.95
			<i>For Schedule 80 Nipples, Add</i>	2.57	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
23 21	13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	29.09	15.04
			<i>For Schedule 80 Nipples, Add</i>	3.26	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21	13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	30.43	15.04
			<i>For Schedule 80 Nipples, Add</i>	3.93	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21	13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	39.49	19.37
			<i>For Schedule 80 Nipples, Add</i>	5.18	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21	13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	62.98	24.12
			<i>For Schedule 80 Nipples, Add</i>	13.43	
			<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21	13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	77.86	29.13
			<i>For Schedule 80 Nipples, Add</i>	17.08	
			<i>For Work In Restricted Working Space, Add</i>	13.11	
23 21	13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	96.50	32.43
			<i>For Schedule 80 Nipples, Add</i>	23.95	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
23 21	13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	24.66	12.87
			<i>For Schedule 80 Nipples, Add</i>	2.66	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	22.36	12.87
			<i>For Schedule 80 Nipples, Add</i>	1.51	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple.....	23.27	12.87
			<i>For Schedule 80 Nipples, Add</i>	1.96	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple.....	25.97	13.95
			<i>For Schedule 80 Nipples, Add</i>	2.57	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
23 21	13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple.....	29.09	15.04
			<i>For Schedule 80 Nipples, Add</i>	3.26	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21	13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	30.43	15.04
			<i>For Schedule 80 Nipples, Add</i>	3.93	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21	13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple.....	39.49	19.37
			<i>For Schedule 80 Nipples, Add</i>	5.18	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21	13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	62.98	24.12
			<i>For Schedule 80 Nipples, Add</i>	13.43	
			<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21	13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple.....	77.86	29.13
			<i>For Schedule 80 Nipples, Add</i>	17.08	
			<i>For Work In Restricted Working Space, Add</i>	13.11	
23 21	13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple.....	96.50	32.43
			<i>For Schedule 80 Nipples, Add</i>	23.95	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
23 21	13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple.....	25.26	12.87
			<i>For Schedule 80 Nipples, Add</i>	2.96	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21	13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	22.72	12.87
			<i>For Schedule 80 Nipples, Add</i>	1.69	
			<i>For Work In Restricted Working Space, Add</i>	5.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0248 EA 3/4" x 6" Long, Schedule 40 Black Steel Nipple.....	23.81	12.87
<i>For Schedule 80 Nipples, Add</i>	2.23	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0249 EA 1" x 6" Long, Schedule 40 Black Steel Nipple.....	26.91	13.95
<i>For Schedule 80 Nipples, Add</i>	3.04	
<i>For Work In Restricted Working Space, Add</i>	6.25	
23 21 13 23-0250 EA 1-1/4" x 6" Long, Schedule 40 Black Steel Nipple.....	30.30	15.04
<i>For Schedule 80 Nipples, Add</i>	3.86	
<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21 13 23-0251 EA 1-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	31.59	15.04
<i>For Schedule 80 Nipples, Add</i>	4.51	
<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21 13 23-0252 EA 2" x 6" Long, Schedule 40 Black Steel Nipple.....	41.27	19.37
<i>For Schedule 80 Nipples, Add</i>	6.07	
<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-0253 EA 2-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	64.12	24.12
<i>For Schedule 80 Nipples, Add</i>	14.00	
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21 13 23-0254 EA 3" x 6" Long, Schedule 40 Black Steel Nipple.....	80.83	29.13
<i>For Schedule 80 Nipples, Add</i>	18.57	
<i>For Work In Restricted Working Space, Add</i>	13.11	
23 21 13 23-0255 EA 4" x 6" Long, Schedule 40 Black Steel Nipple.....	99.80	32.43
<i>For Schedule 80 Nipples, Add</i>	25.60	
<i>For Work In Restricted Working Space, Add</i>	14.58	
23 21 13 23-0256 EA 3/8" x 8" Long, Schedule 40 Black Steel Nipple.....	29.72	12.87
<i>For Schedule 80 Nipples, Add</i>	5.19	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0257 EA 1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	25.42	12.87
<i>For Schedule 80 Nipples, Add</i>	3.04	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0258 EA 3/4" x 8" Long, Schedule 40 Black Steel Nipple.....	26.78	12.87
<i>For Schedule 80 Nipples, Add</i>	3.72	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0259 EA 1" x 8" Long, Schedule 40 Black Steel Nipple.....	30.76	13.95
<i>For Schedule 80 Nipples, Add</i>	4.96	
<i>For Work In Restricted Working Space, Add</i>	6.25	
23 21 13 23-0260 EA 1-1/4" x 8" Long, Schedule 40 Black Steel Nipple.....	35.05	15.04
<i>For Schedule 80 Nipples, Add</i>	6.24	
<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21 13 23-0261 EA 1-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	36.87	15.04
<i>For Schedule 80 Nipples, Add</i>	7.15	
<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21 13 23-0262 EA 2" x 8" Long, Schedule 40 Black Steel Nipple.....	49.48	19.37
<i>For Schedule 80 Nipples, Add</i>	10.17	
<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-0263 EA 2-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	71.74	24.12
<i>For Schedule 80 Nipples, Add</i>	17.81	
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21 13 23-0264 EA 3" x 8" Long, Schedule 40 Black Steel Nipple.....	93.78	29.13
<i>For Schedule 80 Nipples, Add</i>	25.04	
<i>For Work In Restricted Working Space, Add</i>	13.11	
23 21 13 23-0265 EA 4" x 8" Long, Schedule 40 Black Steel Nipple.....	107.69	32.43
<i>For Schedule 80 Nipples, Add</i>	29.55	
<i>For Work In Restricted Working Space, Add</i>	14.58	
23 21 13 23-0266 EA 3/8" x 10" Long, Schedule 40 Black Steel Nipple.....	30.99	12.87
<i>For Schedule 80 Nipples, Add</i>	5.82	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0267 EA 1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	26.64	12.87
<i>For Schedule 80 Nipples, Add</i>	3.65	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0268 EA 3/4" x 10" Long, Schedule 40 Black Steel Nipple.....	27.98	12.87
<i>For Schedule 80 Nipples, Add</i>	4.32	
<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0269 EA 1" x 10" Long, Schedule 40 Black Steel Nipple.....	32.44	13.95
<i>For Schedule 80 Nipples, Add</i>	5.80	
<i>For Work In Restricted Working Space, Add</i>	6.25	
23 21 13 23-0270 EA 1-1/4" x 10" Long, Schedule 40 Black Steel Nipple.....	37.52	15.04
<i>For Schedule 80 Nipples, Add</i>	7.47	
<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21 13 23-0271 EA 1-1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	39.30	15.04
<i>For Schedule 80 Nipples, Add</i>	8.36	
<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21 13 23-0272 EA 2" x 10" Long, Schedule 40 Black Steel Nipple.....	53.04	19.37
<i>For Schedule 80 Nipples, Add</i>	11.95	
<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-0273 EA 2-1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	76.13	24.12
<i>For Schedule 80 Nipples, Add</i>	20.00	
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21 13 23-0274 EA 3" x 10" Long, Schedule 40 Black Steel Nipple.....	99.96	29.13
<i>For Schedule 80 Nipples, Add</i>	28.13	
<i>For Work In Restricted Working Space, Add</i>	13.11	
23 21 13 23-0275 EA 4" x 10" Long, Schedule 40 Black Steel Nipple.....	115.90	32.43
<i>For Schedule 80 Nipples, Add</i>	33.65	
<i>For Work In Restricted Working Space, Add</i>	14.58	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0276	EA		3/8" x 12" Long, Schedule 40 Black Steel Nipple.....	32.60	12.87
			<i>For Schedule 80 Nipples, Add</i>	6.63	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0277	EA		1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	28.00	12.87
			<i>For Schedule 80 Nipples, Add</i>	4.33	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0278	EA		3/4" x 12" Long, Schedule 40 Black Steel Nipple.....	28.94	12.87
			<i>For Schedule 80 Nipples, Add</i>	4.80	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
23 21 13 23-0279	EA		1" x 12" Long, Schedule 40 Black Steel Nipple.....	34.15	13.95
			<i>For Schedule 80 Nipples, Add</i>	6.66	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
23 21 13 23-0280	EA		1-1/4" x 12" Long, Schedule 40 Black Steel Nipple.....	39.53	15.04
			<i>For Schedule 80 Nipples, Add</i>	8.48	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21 13 23-0281	EA		1-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	41.85	15.04
			<i>For Schedule 80 Nipples, Add</i>	9.64	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
23 21 13 23-0282	EA		2" x 12" Long, Schedule 40 Black Steel Nipple.....	56.66	19.37
			<i>For Schedule 80 Nipples, Add</i>	13.76	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-0283	EA		2-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	80.64	24.12
			<i>For Schedule 80 Nipples, Add</i>	22.26	
			<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21 13 23-0284	EA		3" x 12" Long, Schedule 40 Black Steel Nipple.....	106.14	29.13
			<i>For Schedule 80 Nipples, Add</i>	31.22	
			<i>For Work In Restricted Working Space, Add</i>	13.11	
23 21 13 23-0285	EA		4" x 12" Long, Schedule 40 Black Steel Nipple.....	127.49	32.43
			<i>For Schedule 80 Nipples, Add</i>	39.45	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
23 21 13 23-0286			Black Malleable Iron Bushing (23 21 13 23-0014)		
23 21 13 23-0287	EA		1/2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	41.45	22.09
			<i>For Work In Restricted Working Space, Add</i>	9.93	
23 21 13 23-0288	EA		3/4" x 3/8", 150 LB, Black Malleable Iron Bushing.....	47.60	23.71
			<i>For Work In Restricted Working Space, Add</i>	10.67	
23 21 13 23-0289	EA		3/4" x 1/2", 150 LB, Black Malleable Iron Bushing.....	50.32	25.47
			<i>For Work In Restricted Working Space, Add</i>	11.49	
23 21 13 23-0290	EA		1" x 3/8", 150 LB, Black Malleable Iron Bushing.....	54.53	25.34
			<i>For Work In Restricted Working Space, Add</i>	11.38	
23 21 13 23-0291	EA		1" x 1/2", 150 LB, Black Malleable Iron Bushing.....	53.03	27.10
			<i>For Work In Restricted Working Space, Add</i>	12.19	
23 21 13 23-0292	EA		1" x 3/4", 150 LB, Black Malleable Iron Bushing.....	55.19	28.58
			<i>For Work In Restricted Working Space, Add</i>	12.84	
23 21 13 23-0293	EA		1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing.....	59.52	27.24
			<i>For Work In Restricted Working Space, Add</i>	12.28	
23 21 13 23-0294	EA		1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing.....	61.40	29.13
			<i>For Work In Restricted Working Space, Add</i>	13.09	
23 21 13 23-0295	EA		1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing.....	61.78	30.49
			<i>For Work In Restricted Working Space, Add</i>	13.73	
23 21 13 23-0296	EA		1-1/4" x 1", 150 LB, Black Malleable Iron Bushing.....	64.14	32.11
			<i>For Work In Restricted Working Space, Add</i>	14.44	
23 21 13 23-0297	EA		1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	68.72	29.54
			<i>For Work In Restricted Working Space, Add</i>	13.25	
23 21 13 23-0298	EA		1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing.....	67.12	31.30
			<i>For Work In Restricted Working Space, Add</i>	14.07	
23 21 13 23-0299	EA		1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	69.27	32.65
			<i>For Work In Restricted Working Space, Add</i>	14.71	
23 21 13 23-0300	EA		1-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	69.18	34.28
			<i>For Work In Restricted Working Space, Add</i>	15.42	
23 21 13 23-0301	EA		1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	74.67	36.31
			<i>For Work In Restricted Working Space, Add</i>	16.31	
23 21 13 23-0302	EA		2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	86.63	34.68
			<i>For Work In Restricted Working Space, Add</i>	15.59	
23 21 13 23-0303	EA		2" x 1/2", 150 LB, Black Malleable Iron Bushing.....	85.24	36.45
			<i>For Work In Restricted Working Space, Add</i>	16.41	
23 21 13 23-0304	EA		2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	82.69	37.94
			<i>For Work In Restricted Working Space, Add</i>	17.05	
23 21 13 23-0305	EA		2" x 1", 150 LB, Black Malleable Iron Bushing.....	83.41	39.43
			<i>For Work In Restricted Working Space, Add</i>	17.76	
23 21 13 23-0306	EA		2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	86.40	41.46
			<i>For Work In Restricted Working Space, Add</i>	18.65	
23 21 13 23-0307	EA		2" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	92.39	43.63
			<i>For Work In Restricted Working Space, Add</i>	19.63	
23 21 13 23-0308	EA		2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	118.42	49.59
			<i>For Work In Restricted Working Space, Add</i>	22.33	
23 21 13 23-0309	EA		2-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	120.78	51.22
			<i>For Work In Restricted Working Space, Add</i>	23.03	
23 21 13 23-0310	EA		2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	123.76	53.12
			<i>For Work In Restricted Working Space, Add</i>	23.93	
23 21 13 23-0311	EA		2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	124.02	55.42
			<i>For Work In Restricted Working Space, Add</i>	24.91	
23 21 13 23-0312	EA		2-1/2" x 2", 150 LB, Black Malleable Iron Bushing.....	131.47	60.56
			<i>For Work In Restricted Working Space, Add</i>	27.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0313 EA 3" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	152.39 27.46	60.97
23 21 13 23-0314 EA 3" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	154.74 28.17	62.59
23 21 13 23-0315 EA 3" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	157.73 29.06	64.63
23 21 13 23-0316 EA 3" x 1-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	159.81 30.04	66.79
23 21 13 23-0317 EA 3" x 2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	163.69 32.38	71.94
23 21 13 23-0318 EA 3" x 2-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	182.10 37.65	83.73
23 21 13 23-0319 EA 4" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	205.73 26.70	59.29
23 21 13 23-0320 EA 4" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	207.84 27.34	60.75
23 21 13 23-0321 EA 4" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	210.51 28.14	62.57
23 21 13 23-0322 EA 4" x 1-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	213.44 29.02	64.52
23 21 13 23-0323 EA 4" x 2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	214.16 31.11	69.13
23 21 13 23-0324 EA 4" x 2-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	229.92 35.84	79.70
23 21 13 23-0325 EA 4" x 3", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	245.27 40.45	89.90
23 21 13 23-0326 Black Malleable Iron Square Head Plugs <small>(23 21 13 23-0014)</small>		
23 21 13 23-0327 EA 3/8", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	18.42 3.62	8.00
23 21 13 23-0328 EA 1/2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	21.25 4.34	9.62
23 21 13 23-0329 EA 3/4", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	22.97 4.85	10.84
23 21 13 23-0330 EA 1", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	26.61 5.42	12.06
23 21 13 23-0331 EA 1-1/4", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	31.22 6.14	13.69
23 21 13 23-0332 EA 1-1/2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	38.08 6.92	15.31
23 21 13 23-0333 EA 2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	50.64 8.79	19.51
23 21 13 23-0334 EA 2-1/2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	82.21 13.01	28.86
23 21 13 23-0335 EA 3", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	110.40 17.12	38.07
23 21 13 23-0336 EA 4", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	168.59 17.01	37.78
23 21 13 23-0337 EA 5", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	299.50 17.75	39.48
23 21 13 23-0338 EA 6", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	359.53 18.56	41.18
23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges <small>(23 21 13 23-0014)</small>		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0340 EA 3/4", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	203.12 24.39	54.19
23 21 13 23-0341 EA 1", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	169.34 27.56	61.24
23 21 13 23-0342 EA 1-1/4", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	187.77 28.52	63.41
23 21 13 23-0343 EA 1-1/2", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	189.09 31.03	68.97
23 21 13 23-0344 EA 2", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	193.44 32.39	71.94
23 21 13 23-0345 EA 2-1/2", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	224.86 37.46	83.32
23 21 13 23-0346 EA 3", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	287.29 47.54	105.68
23 21 13 23-0347 EA 4", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	368.00 58.31	129.64
23 21 13 23-0348 EA 5", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	476.68 69.43	154.42
23 21 13 23-0349 EA 6", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	543.27 79.73	177.26
23 21 13 23-0350 150 LB, Black Malleable Iron Flanges <small>(23 21 13 23-0014)</small>		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0351 EA 1/2", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	101.19 22.27	49.45

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0352	EA	3/4", 150 LB, Black Malleable Iron Flange	110.33	54.19
			<i>For Work In Restricted Working Space, Add</i>	24.39	
23 21	13 23-0353	EA	1", 150 LB, Black Malleable Iron Flange	129.57	61.24
			<i>For Work In Restricted Working Space, Add</i>	27.55	
23 21	13 23-0354	EA	1-1/4", 150 LB, Black Malleable Iron Flange	135.41	63.41
			<i>For Work In Restricted Working Space, Add</i>	28.52	
23 21	13 23-0355	EA	1-1/2", 150 LB, Black Malleable Iron Flange	147.43	68.97
			<i>For Work In Restricted Working Space, Add</i>	31.03	
23 21	13 23-0356	EA	2", 150 LB, Black Malleable Iron Flange	165.33	71.94
			<i>For Work In Restricted Working Space, Add</i>	32.38	
23 21	13 23-0357	EA	2-1/2", 150 LB, Black Malleable Iron Flange	214.85	83.32
			<i>For Work In Restricted Working Space, Add</i>	37.46	
23 21	13 23-0358	EA	3", 150 LB, Black Malleable Iron Flange	272.17	105.68
			<i>For Work In Restricted Working Space, Add</i>	47.53	
23 21	13 23-0359	EA	4", 150 LB, Black Malleable Iron Flange	387.55	129.64
			<i>For Work In Restricted Working Space, Add</i>	58.30	
23 21	13 23-0360		Cut And Thread Existing In-Place Black Steel Pipe <small>(23 21 13 23-0014)</small>		
			Note: For use when connecting pipe to an existing in-place system.		
23 21	13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	44.15	
			<i>For Work In Restricted Working Space, Add</i>	13.25	
23 21	13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	48.56	
			<i>For Work In Restricted Working Space, Add</i>	14.57	
23 21	13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	52.98	
			<i>For Work In Restricted Working Space, Add</i>	15.89	
23 21	13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	57.39	
			<i>For Work In Restricted Working Space, Add</i>	17.22	
23 21	13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	60.33	
			<i>For Work In Restricted Working Space, Add</i>	18.10	
23 21	13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	63.28	
			<i>For Work In Restricted Working Space, Add</i>	18.98	
23 21	13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	66.23	
			<i>For Work In Restricted Working Space, Add</i>	19.87	
23 21	13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	69.16	
			<i>For Work In Restricted Working Space, Add</i>	20.75	
23 21	13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	72.11	
			<i>For Work In Restricted Working Space, Add</i>	21.63	
23 21	13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	77.99	
			<i>For Work In Restricted Working Space, Add</i>	23.40	
23 21	13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	83.88	
			<i>For Work In Restricted Working Space, Add</i>	25.16	
23 21	13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	91.24	
			<i>For Work In Restricted Working Space, Add</i>	27.37	
23 21	13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	97.12	
			<i>For Work In Restricted Working Space, Add</i>	29.14	
23 21	13 23-0374		Welded Black Steel Pipe <small>(23 21 13 23)</small>		
23 21	13 23-0375		Welded Plain End Black Steel Pipe Assemblies <small>(23 21 13 23-0374)</small>		
			Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
23 21	13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	31.09	10.28
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	7.52	
23 21	13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	34.83	10.97
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	8.42	
23 21	13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	41.60	11.65
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	9.66	
23 21	13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	44.62	11.65
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	10.10	
23 21	13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	51.24	11.65
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	11.69	
23 21	13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	59.36	11.65
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	13.55	
23 21	13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	68.59	11.38
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	14.30	
23 21	13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	86.77	13.29
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	16.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0384 LF 6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	116.75 18.98	19.81
23 21 13 23-0385 LF 8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	176.71 28.16	24.60
23 21 13 23-0386 LF 10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	233.94 33.59	30.75
23 21 13 23-0387 LF 12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	293.32 38.81	37.14
23 21 13 23-0388 LF 14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	320.32 43.30	48.47
23 21 13 23-0389 LF 16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	369.85 48.38	61.51
23 21 13 23-0390 LF 18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	467.34 53.09	76.14
23 21 13 23-0391 LF 20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	587.37 60.77	94.10
23 21 13 23-0392 LF 24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	718.60 66.81	106.64
23 21 13 23-0393 Welded Black Steel Pipe And Fittings <small>(23 21 13 23-0374)</small> Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21 13 23-0394 Welded Plain End Black Steel Piping <small>(23 21 13 23-0393)</small> Note: ASTM A-53		
23 21 13 23-0395 LF 3/4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.71 2.19 0.33 3.29	5.48
23 21 13 23-0396 LF 1" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.35 2.78 0.44 4.11	6.86
23 21 13 23-0397 LF 1-1/4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.78 3.53 0.64 4.93	8.22
23 21 13 23-0398 LF 1-1/2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.28 4.30 0.85 5.76	9.60
23 21 13 23-0399 LF 2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.23 5.11 1.02 6.83	11.38
23 21 13 23-0400 LF 2-1/2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.67 7.97 1.19 7.73	12.88
23 21 13 23-0401 LF 3" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.40 10.34 1.89 8.31	13.85
23 21 13 23-0402 LF 4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.45 14.81 3.02 10.28	17.14
23 21 13 23-0403 LF 6" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.70 22.21 5.06 12.75	27.76
23 21 13 23-0404 LF 8" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	116.52 31.53 7.64 -18.02 15.87	26.45

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	153.78	31.86
			<i>For Schedule 80 Pipe, Add</i>	42.67	
			<i>For Schedule A-106 Pipe, Add</i>	10.81	
			<i>For Schedule 30 Pipe, Deduct</i>	-24.38	
			<i>For Work In Restricted Working Space, Add</i>	19.12	
23 21	13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	196.11	38.50
			<i>For Schedule 80 Pipe, Add</i>	55.16	
			<i>For Schedule A-106 Pipe, Add</i>	14.29	
			<i>For Schedule 30 Pipe, Deduct</i>	-31.52	
			<i>For Work In Restricted Working Space, Add</i>	23.10	
23 21	13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	189.79	40.59
			<i>For Schedule 80 Pipe, Add</i>	52.22	
			<i>For Schedule A-106 Pipe, Add</i>	13.03	
			<i>For Schedule 30 Pipe, Deduct</i>	-29.84	
			<i>For Schedule 20 Pipe, Deduct</i>	-54.25	
			<i>For Work In Restricted Working Space, Add</i>	24.35	
23 21	13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	208.73	43.66
			<i>For Schedule 80 Pipe, Add</i>	57.77	
			<i>For Schedule A-106 Pipe, Add</i>	14.57	
			<i>For Schedule 30 Pipe, Deduct</i>	-33.01	
			<i>For Schedule 20 Pipe, Deduct</i>	-59.96	
			<i>For Work In Restricted Working Space, Add</i>	26.20	
23 21	13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	262.72	47.23
			<i>For Schedule 80 Pipe, Add</i>	75.42	
			<i>For Schedule A-106 Pipe, Add</i>	20.19	
			<i>For Schedule 30 Pipe, Deduct</i>	-43.10	
			<i>For Schedule 20 Pipe, Deduct</i>	-77.78	
			<i>For Work In Restricted Working Space, Add</i>	28.34	
23 21	13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	310.71	56.59
			<i>For Schedule 80 Pipe, Add</i>	88.95	
			<i>For Schedule A-106 Pipe, Add</i>	23.71	
			<i>For Work In Restricted Working Space, Add</i>	33.95	
23 21	13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	385.35	65.07
			<i>For Schedule 80 Pipe, Add</i>	112.10	
			<i>For Schedule A-106 Pipe, Add</i>	30.63	
			<i>For Work In Restricted Working Space, Add</i>	39.04	
23 21 13 23-0412 Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)					
23 21	13 23-0413	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	138.31	77.98
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	29.22	
			<i>For Work In Restricted Working Space, Add</i>	35.06	
23 21	13 23-0414	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	144.43	82.04
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	30.42	
			<i>For Work In Restricted Working Space, Add</i>	36.89	
23 21	13 23-0415	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	161.65	93.48
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	33.77	
			<i>For Work In Restricted Working Space, Add</i>	42.06	
23 21	13 23-0416	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	172.72	100.86
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	35.93	
			<i>For Work In Restricted Working Space, Add</i>	45.38	
23 21	13 23-0417	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	218.22	131.25
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	44.81	
			<i>For Work In Restricted Working Space, Add</i>	59.03	
23 21	13 23-0418	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	274.56	164.09
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	56.54	
			<i>For Work In Restricted Working Space, Add</i>	73.79	
23 21	13 23-0419	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	311.94	185.33
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	64.42	
			<i>For Work In Restricted Working Space, Add</i>	83.33	
23 21	13 23-0420	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	536.61	320.22
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	110.57	
			<i>For Work In Restricted Working Space, Add</i>	144.03	
23 21	13 23-0421	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	931.33	528.43
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	196.20	
			<i>For Work In Restricted Working Space, Add</i>	237.71	
23 21	13 23-0422	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,257.31	666.56
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	272.26	
			<i>For Work In Restricted Working Space, Add</i>	299.82	
23 21	13 23-0423	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,615.72	761.89
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	364.79	
			<i>For Work In Restricted Working Space, Add</i>	342.65	
23 21	13 23-0424	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,181.08	996.83
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	497.41	
			<i>For Work In Restricted Working Space, Add</i>	448.33	
23 21	13 23-0425	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,695.89	1,178.25
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	623.28	
			<i>For Work In Restricted Working Space, Add</i>	529.95	
23 21	13 23-0426	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,334.88	1,375.92
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	783.87	
			<i>For Work In Restricted Working Space, Add</i>	618.83	
23 21	13 23-0427	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,937.40	1,534.22
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	939.71	
			<i>For Work In Restricted Working Space, Add</i>	690.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0428 EA 20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,985.54 1,224.86 773.73	1,720.21
23 21 13 23-0429 EA 24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,810.06 1,463.18 799.52	1,777.65
23 21 13 23-0430 Welded Plain End Black Steel Reducing 90 Degree Elbows <small>(23 21 13 23-0393)</small>		
23 21 13 23-0431 EA 4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	713.47 163.54 144.29	320.76
23 21 13 23-0432 EA 6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,238.07 289.17 234.99	522.41
23 21 13 23-0433 EA 6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,316.05 312.57 234.99	522.41
23 21 13 23-0434 EA 8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,958.73 482.68 299.82	666.56
23 21 13 23-0435 EA 8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,144.64 538.46 299.82	666.56
23 21 13 23-0436 EA 10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,675.59 682.75 342.65	761.89
23 21 13 23-0437 EA 10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,675.59 682.75 342.65	761.89
23 21 13 23-0438 EA 12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,369.90 1,151.07 456.87	1,015.76
23 21 13 23-0439 EA 12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,369.90 1,151.07 456.87	1,015.76
23 21 13 23-0440 EA 12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,875.61 1,302.78 456.87	1,015.76
23 21 13 23-0441 Welded Plain End Black Steel 45 Degree Elbows <small>(23 21 13 23-0393)</small>		
23 21 13 23-0442 EA 3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.54 27.83 34.96	77.72
23 21 13 23-0443 EA 1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.65 28.63 36.19	80.46
23 21 13 23-0444 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.48 32.11 41.54	92.39
23 21 13 23-0445 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.43 34.24 44.82	99.65
23 21 13 23-0446 EA 2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.30 42.80 57.98	128.85
23 21 13 23-0447 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	262.46 53.26 72.79	161.89
23 21 13 23-0448 EA 3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	302.67 61.64 83.31	185.19
23 21 13 23-0449 EA 4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	521.22 105.97 143.99	320.08
23 21 13 23-0450 EA 6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	892.90 184.77 237.43	527.89
23 21 13 23-0451 EA 8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,187.71 251.38 299.82	666.56
23 21 13 23-0452 EA 10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,487.94 326.45 342.65	761.89
23 21 13 23-0453 EA 12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,993.01 441.28 447.50	994.98
23 21 13 23-0454 EA 14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,447.44 548.50 530.66	1,179.85
23 21 13 23-0455 EA 16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,989.47 680.47 618.19	1,374.44

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0456	EA		18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,492.93	1,532.38
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	806.64	
			<i>For Work In Restricted Working Space, Add</i>	689.24	
23 21 13 23-0457	EA		20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,336.16	1,720.21
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,030.04	
			<i>For Work In Restricted Working Space, Add</i>	773.73	
23 21 13 23-0458	EA		24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,961.38	1,777.65
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,208.58	
			<i>For Work In Restricted Working Space, Add</i>	799.52	
23 21 13 23-0459			Welded Plain End Black Steel Tee <small>(23 21 13 23-0393)</small>		
23 21 13 23-0460	EA		3/4" Standard Weight, Welded Plain End Black Steel Tee	270.73	146.26
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	58.19	
			<i>For Work In Restricted Working Space, Add</i>	65.80	
23 21 13 23-0461	EA		1" Standard Weight, Welded Plain End Black Steel Tee	270.66	146.26
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	58.18	
			<i>For Work In Restricted Working Space, Add</i>	65.78	
23 21 13 23-0462	EA		1-1/4" Standard Weight, Welded Plain End Black Steel Tee	305.88	162.71
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	66.15	
			<i>For Work In Restricted Working Space, Add</i>	73.17	
23 21 13 23-0463	EA		1-1/2" Standard Weight, Welded Plain End Black Steel Tee	336.12	182.86
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	72.05	
			<i>For Work In Restricted Working Space, Add</i>	82.25	
23 21 13 23-0464	EA		2" Standard Weight, Welded Plain End Black Steel Tee	420.83	244.13
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	87.82	
			<i>For Work In Restricted Working Space, Add</i>	109.80	
23 21 13 23-0465	EA		2-1/2" Standard Weight, Welded Plain End Black Steel Tee	479.34	274.30
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	100.62	
			<i>For Work In Restricted Working Space, Add</i>	123.38	
23 21 13 23-0466	EA		3" Standard Weight, Welded Plain End Black Steel Tee	574.34	333.10
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	119.91	
			<i>For Work In Restricted Working Space, Add</i>	149.69	
23 21 13 23-0467	EA		4" Standard Weight, Welded Plain End Black Steel Tee	826.33	481.29
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	172.15	
			<i>For Work In Restricted Working Space, Add</i>	216.44	
23 21 13 23-0468	EA		6" Standard Weight, Welded Plain End Black Steel Tee	1,382.85	795.05
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	289.70	
			<i>For Work In Restricted Working Space, Add</i>	357.59	
23 21 13 23-0469	EA		8" Standard Weight, Welded Plain End Black Steel Tee	1,876.31	1,015.76
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	402.99	
			<i>For Work In Restricted Working Space, Add</i>	456.87	
23 21 13 23-0470	EA		10" Standard Weight, Welded Plain End Black Steel Tee	2,369.28	1,185.02
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	524.23	
			<i>For Work In Restricted Working Space, Add</i>	533.02	
23 21 13 23-0471	EA		12" Standard Weight, Welded Plain End Black Steel Tee	3,185.58	1,523.65
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	715.82	
			<i>For Work In Restricted Working Space, Add</i>	685.31	
23 21 13 23-0472	EA		14" Standard Weight, Welded Plain End Black Steel Tee	4,114.07	1,777.65
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	954.39	
			<i>For Work In Restricted Working Space, Add</i>	799.52	
23 21 13 23-0473	EA		16" Standard Weight, Welded Plain End Black Steel Tee	4,949.84	2,133.13
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,149.15	
			<i>For Work In Restricted Working Space, Add</i>	959.43	
23 21 13 23-0474	EA		18" Standard Weight, Welded Plain End Black Steel Tee	6,414.84	2,370.16
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,551.34	
			<i>For Work In Restricted Working Space, Add</i>	1,066.03	
23 21 13 23-0475	EA		20" Standard Weight, Welded Plain End Black Steel Tee	8,415.26	2,666.47
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,104.83	
			<i>For Work In Restricted Working Space, Add</i>	1,199.28	
23 21 13 23-0476	EA		24" Standard Weight, Welded Plain End Black Steel Tee	9,693.48	2,871.58
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	2,456.00	
			<i>For Work In Restricted Working Space, Add</i>	1,291.54	
23 21 13 23-0477			Welded Plain End Black Steel Reducing Tees <small>(23 21 13 23-0393)</small>		
23 21 13 23-0478	EA		3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	263.89	141.74
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	56.86	
			<i>For Work In Restricted Working Space, Add</i>	63.74	
23 21 13 23-0479	EA		1" Standard Weight, Welded Plain End Black Steel Reducing Tee	270.66	146.26
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	58.18	
			<i>For Work In Restricted Working Space, Add</i>	65.78	
23 21 13 23-0480	EA		1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	302.59	162.71
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	65.17	
			<i>For Work In Restricted Working Space, Add</i>	73.17	
23 21 13 23-0481	EA		1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	332.83	182.86
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	71.06	
			<i>For Work In Restricted Working Space, Add</i>	82.25	
23 21 13 23-0482	EA		2" Standard Weight, Welded Plain End Black Steel Reducing Tee	428.23	244.13
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	90.03	
			<i>For Work In Restricted Working Space, Add</i>	109.84	
23 21 13 23-0483	EA		2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	479.50	274.43
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	100.65	
			<i>For Work In Restricted Working Space, Add</i>	123.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0484 EA 3" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	574.69 120.02 149.69	333.10
23 21 13 23-0485 EA 4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	826.81 172.29 216.44	481.29
23 21 13 23-0486 EA 6" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,383.68 289.95 357.59	795.05
23 21 13 23-0487 EA 8" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,877.91 403.47 456.87	1,015.76
23 21 13 23-0488 EA 10" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,371.99 525.04 533.02	1,185.02
23 21 13 23-0489 EA 12" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,189.68 717.05 685.31	1,523.65
23 21 13 23-0490 EA 14" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,120.66 956.36 799.52	1,777.65
23 21 13 23-0491 EA 16" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,957.81 1,151.54 959.43	2,133.13
23 21 13 23-0492 EA 18" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,427.88 1,555.25 1,066.03	2,370.16
23 21 13 23-0493 EA 20" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,541.88 2,142.81 1,199.28	2,666.47
23 21 13 23-0494 EA 24" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	10,259.10 2,625.69 1,291.54	2,871.58
23 21 13 23-0495 Welded Plain End Black Steel Eccentric Reducers <small>(23 21 13 23-0393)</small>		
23 21 13 23-0496 EA 1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	246.41 59.89 40.09	89.14
23 21 13 23-0497 EA 1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	259.42 62.43 44.00	97.82
23 21 13 23-0498 EA 1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	256.01 61.76 42.97	95.54
23 21 13 23-0499 EA 1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	275.18 65.50 48.72	108.33
23 21 13 23-0500 EA 1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	265.58 63.63 45.84	101.93
23 21 13 23-0501 EA 1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	262.17 62.96 44.82	99.65
23 21 13 23-0502 EA 2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	262.26 58.31 58.18	129.35
23 21 13 23-0503 EA 2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	298.41 69.81 56.33	125.24
23 21 13 23-0504 EA 2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	288.81 67.94 53.45	118.85
23 21 13 23-0505 EA 2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	325.94 71.88 74.01	164.55
23 21 13 23-0506 EA 2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	314.23 71.03 66.40	147.63
23 21 13 23-0507 EA 2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	383.20 92.37 64.55	143.52
23 21 13 23-0508 EA 3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	363.67 80.02 83.08	184.64
23 21 13 23-0509 EA 3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	369.81 81.87 83.08	184.64
23 21 13 23-0510 EA 3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	382.79 85.76 83.08	184.64
23 21 13 23-0511 EA 4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	594.37 127.81 144.29	320.76

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0512	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	600.50 129.65 144.29	320.76
23 21	13 23-0513	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	618.96 135.19 144.29	320.76
23 21	13 23-0514	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,016.91 222.83 234.99	522.41
23 21	13 23-0515	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,149.41 262.58 234.99	522.41
23 21	13 23-0516	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,489.80 321.78 357.60	795.05
23 21	13 23-0517	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,736.36 395.75 357.60	795.05
23 21	13 23-0518	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,760.79 384.31 411.23	914.31
23 21	13 23-0519	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,057.23 473.24 411.23	914.31
23 21	13 23-0520	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,447.24 590.24 -344.47 411.23	914.31
23 21	13 23-0521	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,128.59 478.98 456.00	1,013.80
23 21	13 23-0522	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,474.88 582.86 456.00	1,013.80
23 21	13 23-0523	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3,060.24 758.47 -492.88 456.00	1,013.80
23 21	13 23-0524	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,118.76 476.03 -191.60 456.00	1,013.80
23 21	13 23-0525	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,844.98 666.94 533.01	1,185.02
23 21	13 23-0526	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,027.34 721.65 533.01	1,185.02
23 21	13 23-0527	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,845.49 1,267.09 533.01	1,185.02
23 21	13 23-0528	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,632.61 879.91 599.64	1,333.24
23 21	13 23-0529	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,169.49 1,040.97 599.64	1,333.24
23 21	13 23-0530	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4,378.49 1,103.67 -761.50 599.64	1,333.24
23 21	13 23-0531	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,732.90 1,809.99 599.64	1,333.24
23 21	13 23-0532	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,904.48 2,161.47 599.64	1,333.24
23 21	13 23-0533	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,227.52 1,328.40 685.31	1,523.65
23 21	13 23-0534	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,812.09 603.77 -168.88 685.31	1,523.65
23 21	13 23-0535	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5,509.62 1,413.03 -1,032.09 685.31	1,523.65
23 21	13 23-0536	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,925.58 1,537.82 685.31	1,523.65
23 21	13 23-0537	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,442.14 2,592.79 685.31	1,523.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0538 EA 20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6,275.66 1,611.89 -1,182.90 773.73	1,720.21
23 21 13 23-0539 EA 20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6,266.11 1,609.03 -1,179.84 773.73	1,720.21
23 21 13 23-0540 EA 20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10,918.24 3,004.67 -2,668.52 773.73	1,720.21
23 21 13 23-0541 EA 20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	12,784.26 3,564.47 773.73	1,720.21
23 21 13 23-0542 EA 20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	15,583.38 4,404.21 773.73	1,720.21
23 21 13 23-0543 EA 24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7,511.87 1,973.73 -1,550.97 799.52	1,777.65
23 21 13 23-0544 EA 24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8,075.85 2,142.92 -1,731.45 799.52	1,777.65
23 21 13 23-0545 EA 24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10,696.15 2,929.01 -2,569.94 799.52	1,777.65
23 21 13 23-0546 EA 24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	15,572.30 4,391.86 799.52	1,777.65
23 21 13 23-0547 EA 24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	19,228.53 5,488.73 799.52	1,777.65
23 21 13 23-0548 Welded Plain End Black Steel Concentric Reducers (23 21 13 23-0393)		
23 21 13 23-0549 EA 1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.89 51.03 40.09	89.14
23 21 13 23-0550 EA 1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	229.90 53.57 44.00	97.82
23 21 13 23-0551 EA 1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	226.49 52.91 42.97	95.54
23 21 13 23-0552 EA 1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	245.66 56.64 48.72	108.33
23 21 13 23-0553 EA 1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.06 54.77 45.84	101.93
23 21 13 23-0554 EA 1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	232.65 54.11 44.82	99.65
23 21 13 23-0555 EA 2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.21 53.80 58.18	129.35
23 21 13 23-0556 EA 2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	241.04 52.60 56.33	125.24
23 21 13 23-0557 EA 2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	251.94 56.87 53.45	118.85
23 21 13 23-0558 EA 2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	315.02 68.60 74.01	164.55
23 21 13 23-0559 EA 2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	308.09 69.19 66.40	147.63
23 21 13 23-0560 EA 2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	331.28 76.79 64.55	143.52
23 21 13 23-0561 EA 3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	332.25 70.60 83.08	184.64
23 21 13 23-0562 EA 3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	336.35 71.83 83.08	184.64
23 21 13 23-0563 EA 3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	345.24 74.50 83.08	184.64

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0564 EA 4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	552.02 115.10 144.29	320.76
23 21 13 23-0565 EA 4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	567.73 119.82 144.29	320.76
23 21 13 23-0566 EA 4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	567.73 119.82 144.29	320.76
23 21 13 23-0567 EA 6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	932.24 197.42 234.99	522.41
23 21 13 23-0568 EA 6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	963.64 206.84 234.99	522.41
23 21 13 23-0569 EA 8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,387.34 291.04 357.60	795.05
23 21 13 23-0570 EA 8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,443.36 307.85 357.60	795.05
23 21 13 23-0571 EA 10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,749.87 381.03 411.23	914.31
23 21 13 23-0572 EA 10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,726.65 374.06 411.23	914.31
23 21 13 23-0573 EA 10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,018.99 461.77 411.23	914.31
23 21 13 23-0574 EA 12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,988.57 436.97 456.00	1,013.80
23 21 13 23-0575 EA 12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,058.76 458.03 456.00	1,013.80
23 21 13 23-0576 EA 12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,084.18 465.65 456.00	1,013.80
23 21 13 23-0577 EA 12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,829.37 689.21 456.00	1,013.80
23 21 13 23-0578 EA 14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,481.60 557.93 533.01	1,185.02
23 21 13 23-0579 EA 14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,741.83 635.99 533.01	1,185.02
23 21 13 23-0580 EA 14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,967.91 703.82 533.01	1,185.02
23 21 13 23-0581 EA 14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,841.67 965.95 533.01	1,185.02
23 21 13 23-0582 EA 16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,232.36 759.83 599.64	1,333.24
23 21 13 23-0583 EA 16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,232.36 759.83 599.64	1,333.24
23 21 13 23-0584 EA 16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,362.14 798.77 599.64	1,333.24
23 21 13 23-0585 EA 16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,793.12 928.06 599.64	1,333.24
23 21 13 23-0586 EA 16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,578.05 1,463.54 599.64	1,333.24
23 21 13 23-0587 EA 18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,631.97 849.73 685.31	1,523.65
23 21 13 23-0588 EA 18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,964.61 949.53 685.31	1,523.65
23 21 13 23-0589 EA 18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,103.95 991.33 685.31	1,523.65
23 21 13 23-0590 EA 18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,483.01 1,105.05 685.31	1,523.65
23 21 13 23-0591 EA 18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,839.25 2,411.92 685.31	1,523.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0592 EA 20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,891.84 1,196.75 773.73	1,720.21
23 21 13 23-0593 EA 20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,891.84 1,196.75 773.73	1,720.21
23 21 13 23-0594 EA 20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,986.79 1,225.23 773.73	1,720.21
23 21 13 23-0595 EA 20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,548.93 1,393.87 773.73	1,720.21
23 21 13 23-0596 EA 20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,527.01 1,687.30 773.73	1,720.21
23 21 13 23-0597 EA 24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,281.10 1,304.50 799.52	1,777.65
23 21 13 23-0598 EA 24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,340.51 1,322.32 799.52	1,777.65
23 21 13 23-0599 EA 24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,456.62 1,357.15 799.52	1,777.65
23 21 13 23-0600 EA 24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,145.03 2,163.68 799.52	1,777.65
23 21 13 23-0601 EA 24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,675.75 2,322.89 799.52	1,777.65
 23 21 13 23-0602 Welded Plain End Black Steel Caps (23 21 13 23-0393)		
23 21 13 23-0603 EA 1" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.44 15.26 20.56	45.78
23 21 13 23-0604 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.97 16.67 22.62	50.31
23 21 13 23-0605 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.39 17.35 23.44	52.09
23 21 13 23-0606 EA 2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.34 21.19 30.02	66.75
23 21 13 23-0607 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.90 24.79 36.19	80.46
23 21 13 23-0608 EA 3" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.88 29.67 41.75	92.81
23 21 13 23-0609 EA 4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	264.05 49.15 72.15	160.38
23 21 13 23-0610 EA 6" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	442.06 82.95 119.20	264.97
23 21 13 23-0611 EA 8" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	624.03 117.60 167.06	371.49
23 21 13 23-0612 EA 10" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	820.77 158.36 210.89	468.94
23 21 13 23-0613 EA 12" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	891.04 174.34 223.12	496.07
23 21 13 23-0614 EA 14" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,165.26 238.53 266.51	592.51
23 21 13 23-0615 EA 16" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,353.28 277.03 309.49	688.08
23 21 13 23-0616 EA 18" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,512.10 310.86 342.65	761.89
 23 21 13 23-0617 150 LB, Welded Plain End Black Steel Neck Flanges (23 21 13 23-0393)		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0618 EA 2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	192.23 42.36 46.49	103.36
23 21 13 23-0619 EA 2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.64 46.39 58.01	128.99

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0620 EA 3", 150 LB, Welded Plain End Black Steel Neck Flange	258.40	147.49
For 300 LB Rating, Add	49.33	
For Work In Restricted Working Space, Add	66.33	
23 21 13 23-0621 EA 4", 150 LB, Welded Plain End Black Steel Neck Flange	339.20	194.52
For 300 LB Rating, Add	63.90	
For Work In Restricted Working Space, Add	87.50	
23 21 13 23-0622 EA 6", 150 LB, Welded Plain End Black Steel Neck Flange	515.34	294.99
For 300 LB Rating, Add	97.63	
For Work In Restricted Working Space, Add	132.66	
23 21 13 23-0623 EA 8", 150 LB, Welded Plain End Black Steel Neck Flange	546.73	288.32
For 300 LB Rating, Add	125.56	
For Work In Restricted Working Space, Add	129.65	
23 21 13 23-0624 EA 10", 150 LB, Welded Plain End Black Steel Neck Flange	709.42	361.50
For 300 LB Rating, Add	174.07	
For Work In Restricted Working Space, Add	162.62	
23 21 13 23-0625 EA 12", 150 LB, Welded Plain End Black Steel Neck Flange	859.06	410.22
For 300 LB Rating, Add	235.41	
For Work In Restricted Working Space, Add	184.51	
23 21 13 23-0626 EA 14", 150 LB, Welded Plain End Black Steel Neck Flange	1,114.21	496.07
For 300 LB Rating, Add	337.42	
For Work In Restricted Working Space, Add	223.12	
23 21 13 23-0627 EA 16", 150 LB, Welded Plain End Black Steel Neck Flange	1,443.16	576.51
For 300 LB Rating, Add	495.92	
For Work In Restricted Working Space, Add	259.31	
23 21 13 23-0628 EA 18", 150 LB, Welded Plain End Black Steel Neck Flange	1,772.67	646.39
For 300 LB Rating, Add	664.24	
For Work In Restricted Working Space, Add	290.74	
23 21 13 23-0629 EA 20", 150 LB, Welded Plain End Black Steel Neck Flange	2,247.77	820.43
For 300 LB Rating, Add	841.57	
For Work In Restricted Working Space, Add	369.01	
23 21 13 23-0630 EA 24", 150 LB, Welded Plain End Black Steel Neck Flange	2,541.06	888.82
For 300 LB Rating, Add	985.89	
For Work In Restricted Working Space, Add	399.76	
23 21 13 23-0631 150 LB, Welded Black Steel Slip-On Flanges <small>(23 21 13 23-0393)</small>		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0632 EA 2", 150 LB, Welded Black Steel Slip-On Flanges	144.70	103.36
For 300 LB Rating, Add	32.15	
For Work In Restricted Working Space, Add	37.01	
23 21 13 23-0633 EA 2-1/2", 150 LB, Welded Black Steel Slip-On Flange	178.17	128.99
For 300 LB Rating, Add	40.47	
For Work In Restricted Working Space, Add	45.24	
23 21 13 23-0634 EA 3", 150 LB, Welded Black Steel Slip-On Flange	210.43	147.49
For 300 LB Rating, Add	47.72	
For Work In Restricted Working Space, Add	53.46	
23 21 13 23-0635 EA 4", 150 LB, Welded Black Steel Slip-On Flange	277.00	194.52
For 300 LB Rating, Add	64.04	
For Work In Restricted Working Space, Add	69.91	
23 21 13 23-0636 EA 6", 150 LB, Welded Black Steel Slip-On Flange	410.37	294.99
For 300 LB Rating, Add	96.89	
For Work In Restricted Working Space, Add	102.81	
23 21 13 23-0637 EA 8", 150 LB, Welded Black Steel Slip-On Flange	496.57	288.32
For 300 LB Rating, Add	133.99	
For Work In Restricted Working Space, Add	118.08	
23 21 13 23-0638 EA 10", 150 LB, Welded Black Steel Slip-On Flange	669.75	361.50
For 300 LB Rating, Add	211.63	
For Work In Restricted Working Space, Add	147.60	
23 21 13 23-0639 EA 12", 150 LB, Welded Black Steel Slip-On Flange	870.84	410.22
For 300 LB Rating, Add	314.38	
For Work In Restricted Working Space, Add	177.12	
23 21 13 23-0640 EA 14", 150 LB, Welded Black Steel Slip-On Flange	1,098.54	496.07
For 300 LB Rating, Add	441.07	
For Work In Restricted Working Space, Add	206.65	
23 21 13 23-0641 EA 16", 150 LB, Welded Black Steel Slip-On Flange	1,314.26	576.51
For 300 LB Rating, Add	576.55	
For Work In Restricted Working Space, Add	228.79	
23 21 13 23-0642 EA 18", 150 LB, Welded Black Steel Slip-On Flange	1,454.95	646.39
For 300 LB Rating, Add	644.50	
For Work In Restricted Working Space, Add	250.93	
23 21 13 23-0643 EA 20", 150 LB, Welded Black Steel Slip-On Flange	1,613.28	820.43
For 300 LB Rating, Add	728.32	
For Work In Restricted Working Space, Add	273.07	
23 21 13 23-0644 EA 24", 150 LB, Welded Black Steel Slip-On Flange	1,847.77	888.82
For 300 LB Rating, Add	822.02	
For Work In Restricted Working Space, Add	317.35	
23 21 13 23-0645 150 LB, Forged Steel Blind Flanges <small>(23 21 13 23-0393)</small>		
23 21 13 23-0646 EA 2", 150 LB, Forged Steel Blind Flange	94.63	36.80
For 300 LB Rating, Add	24.55	
For 600 LB Rating, Add	61.51	
For Work In Restricted Working Space, Add	22.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0647 EA 2-1/2", 150 LB, Forged Steel Blind Flange.....	122.43	44.16
For 300 LB Rating, Add	36.56	
For 600 LB Rating, Add	95.11	
For Work In Restricted Working Space, Add	26.50	
23 21 13 23-0648 EA 3", 150 LB, Forged Steel Blind Flange.....	153.04	58.89
For 300 LB Rating, Add	40.59	
For 600 LB Rating, Add	102.34	
For Work In Restricted Working Space, Add	35.33	
23 21 13 23-0649 EA 4", 150 LB, Forged Steel Blind Flange.....	195.84	73.60
For 300 LB Rating, Add	54.36	
For 600 LB Rating, Add	138.79	
For Work In Restricted Working Space, Add	44.16	
23 21 13 23-0650 EA 6", 150 LB, Forged Steel Blind Flange.....	265.06	95.69
For 300 LB Rating, Add	79.05	
For 600 LB Rating, Add	205.56	
For Work In Restricted Working Space, Add	57.41	
23 21 13 23-0651 EA 8", 150 LB, Forged Steel Blind Flange.....	337.69	110.41
For 300 LB Rating, Add	116.69	
For 600 LB Rating, Add	313.63	
For Work In Restricted Working Space, Add	66.24	
23 21 13 23-0652 EA 10", 150 LB, Forged Steel Blind Flange.....	493.22	132.48
For 300 LB Rating, Add	210.42	
For 600 LB Rating, Add	587.55	
For Work In Restricted Working Space, Add	79.49	
23 21 13 23-0653 EA 12", 150 LB, Forged Steel Blind Flange.....	632.19	154.57
For 300 LB Rating, Add	290.91	
For 600 LB Rating, Add	821.71	
For Work In Restricted Working Space, Add	92.74	
23 21 13 23-0654 EA 14", 150 LB, Forged Steel Blind Flange.....	1,018.46	176.65
For 300 LB Rating, Add	569.23	
For Work In Restricted Working Space, Add	105.99	
23 21 13 23-0655 EA 16", 150 LB, Forged Steel Blind Flange.....	1,098.58	198.73
For 300 LB Rating, Add	602.64	
For Work In Restricted Working Space, Add	119.24	
23 21 13 23-0656 EA 18", 150 LB, Forged Steel Blind Flange.....	1,247.30	242.89
For 300 LB Rating, Add	660.22	
For Work In Restricted Working Space, Add	145.74	
23 21 13 23-0657 EA 20", 150 LB, Forged Steel Blind Flange.....	1,572.59	264.97
For 300 LB Rating, Add	889.76	
For Work In Restricted Working Space, Add	158.99	
23 21 13 23-0658 EA 24", 150 LB, Forged Steel Blind Flange.....	2,110.99	309.13
For 300 LB Rating, Add	1,259.09	
For Work In Restricted Working Space, Add	185.48	
23 21 13 23-0659 3,000 LB, Forge Steel Thread-O-Lets (23 21 13 23-0393)		
23 21 13 23-0660 EA 1/2", 3,000 LB, Forge Steel Thread-O-Let.....	95.16	
For Weld-O-Lets, Add	4.40	
For Sock-O-Lets, Add	36.60	
For Work In Restricted Working Space, Add	25.91	
23 21 13 23-0661 EA 3/4", 3,000 LB, Forge Steel Thread-O-Let.....	100.82	
For Weld-O-Lets, Add	5.17	
For Sock-O-Lets, Add	38.83	
For Work In Restricted Working Space, Add	27.14	
23 21 13 23-0662 EA 1", 3,000 LB, Forge Steel Thread-O-Let.....	107.54	
For Weld-O-Lets, Add	5.80	
For Sock-O-Lets, Add	41.44	
For Work In Restricted Working Space, Add	28.79	
23 21 13 23-0663 EA 1-1/4", 3,000 LB, Forge Steel Thread-O-Let.....	119.24	
For Weld-O-Lets, Add	8.22	
For Sock-O-Lets, Add	46.13	
For Work In Restricted Working Space, Add	30.84	
23 21 13 23-0664 EA 1-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	132.95	
For Weld-O-Lets, Add	8.22	
For Sock-O-Lets, Add	51.34	
For Work In Restricted Working Space, Add	34.96	
23 21 13 23-0665 EA 2", 3,000 LB, Forge Steel Thread-O-Let.....	172.85	
For Weld-O-Lets, Add	10.28	
For Sock-O-Lets, Add	66.71	
For Work In Restricted Working Space, Add	45.69	
23 21 13 23-0666 EA 2-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	270.40	
For Weld-O-Lets, Add	37.29	
For Sock-O-Lets, Add	106.48	
For Work In Restricted Working Space, Add	58.75	
23 21 13 23-0667 EA 3", 3,000 LB, Forge Steel Thread-O-Let.....	349.16	
For Weld-O-Lets, Add	37.51	
For Sock-O-Lets, Add	136.43	
For Work In Restricted Working Space, Add	82.25	
23 21 13 23-0668 EA 4", 3,000 LB, Forge Steel Thread-O-Let.....	489.53	
For Weld-O-Lets, Add	73.42	
For Sock-O-Lets, Add	193.36	
For Work In Restricted Working Space, Add	102.81	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-0669		Class 150 Flange, Steel Bolt And Gasket Sets <small>(23 21 13 23-0393)</small>		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13	23-0670	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 11.18 Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	3.13	
			For Hot Dip Galvanized, Add	4.47	
			For Advanced Fluoropolymer (Blue Coating), Add	7.83	
23 21 13	23-0671	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 14.11 Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	3.95	
			For Hot Dip Galvanized, Add	5.64	
			For Advanced Fluoropolymer (Blue Coating), Add	9.88	
23 21 13	23-0672	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 14.29 Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	4.00	
			For Hot Dip Galvanized, Add	5.72	
			For Advanced Fluoropolymer (Blue Coating), Add	10.00	
23 21 13	23-0673	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 14.38 Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	4.03	
			For Hot Dip Galvanized, Add	5.75	
			For Advanced Fluoropolymer (Blue Coating), Add	10.07	
23 21 13	23-0674	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 31.59 Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	8.85	
			For Hot Dip Galvanized, Add	12.64	
			For Advanced Fluoropolymer (Blue Coating), Add	22.11	
23 21 13	23-0675	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 45.04 Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	12.61	
			For Hot Dip Galvanized, Add	18.02	
			For Advanced Fluoropolymer (Blue Coating), Add	31.53	
23 21 13	23-0676	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 48.79 Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	13.66	
			For Hot Dip Galvanized, Add	19.52	
			For Advanced Fluoropolymer (Blue Coating), Add	34.15	
23 21 13	23-0677	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 53.70 Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	15.04	
			For Hot Dip Galvanized, Add	21.48	
			For Advanced Fluoropolymer (Blue Coating), Add	37.59	
23 21 13	23-0678	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 117.91 Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	33.01	
			For Hot Dip Galvanized, Add	47.16	
			For Advanced Fluoropolymer (Blue Coating), Add	82.54	
23 21 13	23-0679	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 120.71 Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	33.80	
			For Hot Dip Galvanized, Add	48.28	
			For Advanced Fluoropolymer (Blue Coating), Add	84.50	
23 21 13	23-0680	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 135.44 Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
			For Zinc Plated, Add	37.92	
			For Hot Dip Galvanized, Add	54.18	
			For Advanced Fluoropolymer (Blue Coating), Add	94.81	
23 21 13	23-0681	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 223.83 Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
			For Zinc Plated, Add	62.67	
			For Hot Dip Galvanized, Add	89.53	
			For Advanced Fluoropolymer (Blue Coating), Add	156.68	
23 21 13	23-0682	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 321.66 Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	90.06	
			For Hot Dip Galvanized, Add	128.66	
			For Advanced Fluoropolymer (Blue Coating), Add	225.16	
23 21 13	23-0683	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 406.50 Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	113.82	
			For Hot Dip Galvanized, Add	162.60	
			For Advanced Fluoropolymer (Blue Coating), Add	284.55	
23 21 13	23-0684	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 578.34 Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	161.94	
			For Hot Dip Galvanized, Add	231.34	
			For Advanced Fluoropolymer (Blue Coating), Add	404.84	
23 21 13	23-0685	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set 912.62 Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	255.53	
			For Hot Dip Galvanized, Add	365.05	
			For Advanced Fluoropolymer (Blue Coating), Add	638.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0686 EA 36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,297.30	
Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	363.24	
<i>For Hot Dip Galvanized, Add</i>	518.92	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	908.11	
23 21 13 23-0687 Class 300 Flange, Steel Bolt And Gasket Sets <small>(23 21 13 23-0393)</small>		
Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0688 EA 3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	18.61	
Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	5.21	
<i>For Hot Dip Galvanized, Add</i>	7.44	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	13.03	
23 21 13 23-0689 EA 2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	33.06	
Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	9.26	
<i>For Hot Dip Galvanized, Add</i>	13.22	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	23.14	
23 21 13 23-0690 EA 2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	50.76	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	14.21	
<i>For Hot Dip Galvanized, Add</i>	20.30	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	35.53	
23 21 13 23-0691 EA 3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	55.16	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	15.44	
<i>For Hot Dip Galvanized, Add</i>	22.06	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	38.61	
23 21 13 23-0692 EA 4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	56.38	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	15.79	
<i>For Hot Dip Galvanized, Add</i>	22.55	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	39.47	
23 21 13 23-0693 EA 5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	62.08	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	17.38	
<i>For Hot Dip Galvanized, Add</i>	24.83	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	43.46	
23 21 13 23-0694 EA 6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	87.87	
Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	24.60	
<i>For Hot Dip Galvanized, Add</i>	35.15	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	61.51	
23 21 13 23-0695 EA 8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	135.86	
Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	38.04	
<i>For Hot Dip Galvanized, Add</i>	54.34	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	95.10	
23 21 13 23-0696 EA 10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	245.83	
Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	68.83	
<i>For Hot Dip Galvanized, Add</i>	98.33	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	172.08	
23 21 13 23-0697 EA 12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	353.20	
Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	98.90	
<i>For Hot Dip Galvanized, Add</i>	141.28	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	247.24	
23 21 13 23-0698 EA 14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	482.38	
Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	135.07	
<i>For Hot Dip Galvanized, Add</i>	192.95	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	337.67	
23 21 13 23-0699 EA 16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	664.08	
Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	185.94	
<i>For Hot Dip Galvanized, Add</i>	265.63	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	464.86	
23 21 13 23-0700 EA 18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	853.94	
Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	239.10	
<i>For Hot Dip Galvanized, Add</i>	341.58	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	597.76	
23 21 13 23-0701 EA 20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	907.30	
Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	254.04	
<i>For Hot Dip Galvanized, Add</i>	362.92	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	635.11	
23 21 13 23-0702 EA 24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,152.42	
Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
<i>For Zinc Plated, Add</i>	322.68	
<i>For Hot Dip Galvanized, Add</i>	460.97	
<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	806.69	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0703	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,814.68	
			Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	508.11	
			<i>For Hot Dip Galvanized, Add</i>	725.87	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	1,270.28	
23 21	13 23-0704	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,735.11	
			Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	765.83	
			<i>For Hot Dip Galvanized, Add</i>	1,094.04	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	1,914.58	
23 21	13 23-0705		Class 150 Flange, Stainless Steel Bolt And Gasket Sets <small>(23 21 13 23-0393)</small>		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13 23-0706	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	11.18	
			Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
23 21	13 23-0707	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	39.72	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0708	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	39.81	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0709	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	39.91	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0710	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	83.88	
			Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0711	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	106.48	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21	13 23-0712	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	120.17	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21	13 23-0713	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	121.14	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21	13 23-0714	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	311.29	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
23 21	13 23-0715	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	313.11	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
23 21	13 23-0716	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	473.04	
			Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
23 21	13 23-0717	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	629.95	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
23 21	13 23-0718	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	1,632.03	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
23 21	13 23-0719	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	1,891.36	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
23 21	13 23-0720	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set	2,184.08	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
23 21	13 23-0721		150 LB, Rubber Flange Gasket Replacement <small>(23 21 13 23-0393)</small>		
			Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21	13 23-0722	EA	1/2", 150 LB, Rubber Flange Gasket Replacement	41.27	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.21	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	4.72	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	5.43	
			<i>For Work In Restricted Working Space, Add</i>	12.20	
23 21	13 23-0723	EA	3/4", 150 LB, Rubber Flange Gasket Replacement	44.19	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.28	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	6.26	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	7.21	
			<i>For Work In Restricted Working Space, Add</i>	13.01	
23 21	13 23-0724	EA	1", 150 LB, Rubber Flange Gasket Replacement	48.86	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.50	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	10.98	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	12.64	
			<i>For Work In Restricted Working Space, Add</i>	14.23	
23 21	13 23-0725	EA	1-1/4", 150 LB, Rubber Flange Gasket Replacement	53.13	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.57	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	12.52	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	14.42	
			<i>For Work In Restricted Working Space, Add</i>	15.45	
23 21	13 23-0726	EA	1-1/2", 150 LB, Rubber Flange Gasket Replacement	58.96	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.71	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	15.69	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	18.07	
			<i>For Work In Restricted Working Space, Add</i>	17.08	
23 21	13 23-0727	EA	2", 150 LB, Rubber Flange Gasket Replacement	65.19	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.99	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	21.95	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	25.28	
			<i>For Work In Restricted Working Space, Add</i>	18.71	
23 21	13 23-0728	EA	2-1/2", 150 LB, Rubber Flange Gasket Replacement	77.04	
			<i>For 300 LB Rating Gasket Set, Add</i>	1.35	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	29.76	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	34.27	
			<i>For Work In Restricted Working Space, Add</i>	21.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0729 EA 3", 150 LB, Rubber Flange Gasket Replacement	81.72	
<i>For 300 LB Rating Gasket Set, Add</i>	1.56	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	34.48	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	39.69	
<i>For Work In Restricted Working Space, Add</i>	23.18	
23 21 13 23-0730 EA 4", 150 LB, Rubber Flange Gasket Replacement	108.95	
<i>For 300 LB Rating Gasket Set, Add</i>	2.55	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	56.35	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	64.88	
<i>For Work In Restricted Working Space, Add</i>	30.50	
23 21 13 23-0731 EA 5", 150 LB, Rubber Flange Gasket Replacement	126.03	
<i>For 300 LB Rating Gasket Set, Add</i>	2.84	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	62.61	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	72.09	
<i>For Work In Restricted Working Space, Add</i>	35.38	
23 21 13 23-0732 EA 6", 150 LB, Rubber Flange Gasket Replacement	144.73	
<i>For 300 LB Rating Gasket Set, Add</i>	3.69	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	81.47	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	93.81	
<i>For Work In Restricted Working Space, Add</i>	40.26	
23 21 13 23-0733 EA 8", 150 LB, Rubber Flange Gasket Replacement	178.06	
<i>For 300 LB Rating Gasket Set, Add</i>	5.39	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	119.04	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	137.06	
<i>For Work In Restricted Working Space, Add</i>	48.80	
23 21 13 23-0734 EA 10", 150 LB, Rubber Flange Gasket Replacement	195.38	
<i>For 300 LB Rating Gasket Set, Add</i>	7.66	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	169.13	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	194.73	
<i>For Work In Restricted Working Space, Add</i>	52.05	
23 21 13 23-0735 EA 12", 150 LB, Rubber Flange Gasket Replacement	224.51	
<i>For 300 LB Rating Gasket Set, Add</i>	9.79	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	216.13	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	248.84	
<i>For Work In Restricted Working Space, Add</i>	58.97	
23 21 13 23-0736 EA 14", 150 LB, Rubber Flange Gasket Replacement	236.76	
<i>For 300 LB Rating Gasket Set, Add</i>	11.70	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	258.41	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	297.53	
<i>For Work In Restricted Working Space, Add</i>	61.00	
23 21 13 23-0737 EA 16", 150 LB, Rubber Flange Gasket Replacement	308.37	
<i>For 300 LB Rating Gasket Set, Add</i>	13.05	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	288.17	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	331.79	
<i>For Work In Restricted Working Space, Add</i>	81.33	
23 21 13 23-0738 EA 18", 150 LB, Rubber Flange Gasket Replacement	335.75	
<i>For 300 LB Rating Gasket Set, Add</i>	13.62	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	300.77	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	346.30	
<i>For Work In Restricted Working Space, Add</i>	89.05	
23 21 13 23-0739 EA 20", 150 LB, Rubber Flange Gasket Replacement	403.62	
<i>For 300 LB Rating Gasket Set, Add</i>	14.61	
<i>For 150 LB Rating Teflon Gasket Set, Add</i>	322.65	
<i>For 300 LB Rating Teflon Gasket Set, Add</i>	371.49	
<i>For Work In Restricted Working Space, Add</i>	108.56	
23 21 13 23-0740 Cut And Prepare For Welding Existing In-Place Black Steel Pipe <small>(23 21 13 23-0393)</small>		
<small>Note: For use when connecting pipe to an existing in-place system.</small>		
23 21 13 23-0741 EA 1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	29.43	
<i>For Work In Restricted Working Space, Add</i>	8.83	
23 21 13 23-0742 EA 3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	31.79	
<i>For Work In Restricted Working Space, Add</i>	9.54	
23 21 13 23-0743 EA 1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	35.76	
<i>For Work In Restricted Working Space, Add</i>	10.73	
23 21 13 23-0744 EA 1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	37.52	
<i>For Work In Restricted Working Space, Add</i>	11.26	
23 21 13 23-0745 EA 1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	39.73	
<i>For Work In Restricted Working Space, Add</i>	11.92	
23 21 13 23-0746 EA 2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	42.67	
<i>For Work In Restricted Working Space, Add</i>	12.80	
23 21 13 23-0747 EA 2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	45.63	
<i>For Work In Restricted Working Space, Add</i>	13.69	
23 21 13 23-0748 EA 3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	50.03	
<i>For Work In Restricted Working Space, Add</i>	15.01	
23 21 13 23-0749 EA 4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	54.45	
<i>For Work In Restricted Working Space, Add</i>	16.34	
23 21 13 23-0750 EA 6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	58.86	
<i>For Work In Restricted Working Space, Add</i>	17.66	
23 21 13 23-0751 EA 8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	63.28	
<i>For Work In Restricted Working Space, Add</i>	18.98	
23 21 13 23-0752 EA 10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	69.17	
<i>For Work In Restricted Working Space, Add</i>	20.75	
23 21 13 23-0753 EA 12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	75.05	
<i>For Work In Restricted Working Space, Add</i>	22.52	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0754 EA 14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	80.94	
<i>For Work In Restricted Working Space, Add</i>	24.28	
23 21 13 23-0755 EA 16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	86.83	
<i>For Work In Restricted Working Space, Add</i>	26.05	
23 21 13 23-0756 EA 18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	91.24	
<i>For Work In Restricted Working Space, Add</i>	27.37	
23 21 13 23-0757 EA 20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	95.65	
<i>For Work In Restricted Working Space, Add</i>	28.70	
23 21 13 23-0758 EA 24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	101.54	
<i>For Work In Restricted Working Space, Add</i>	30.46	
23 21 13 23-0759 Welded Plain End Electric Resistance Black Steel Pipe <small>(23 21 13 23-0393)</small>		
Note: ASTM A-135.		
23 21 13 23-0760 LF 2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	30.45	15.08
<i>For Work In Restricted Working Space, Add</i>	7.40	
23 21 13 23-0761 LF 2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	33.53	16.44
<i>For Work In Restricted Working Space, Add</i>	7.40	
23 21 13 23-0762 LF 3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	35.10	16.18
<i>For Work In Restricted Working Space, Add</i>	7.26	
23 21 13 23-0763 LF 4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	44.00	20.57
<i>For Work In Restricted Working Space, Add</i>	9.25	
23 21 13 23-0764 LF 6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	71.13	30.43
<i>For Work In Restricted Working Space, Add</i>	13.68	
23 21 13 23-0765 LF 8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	86.47	33.58
<i>For Work In Restricted Working Space, Add</i>	15.13	
23 21 13 23-0766 LF 10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	116.27	41.82
<i>For Work In Restricted Working Space, Add</i>	18.82	
23 21 13 23-0767 LF 12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	141.07	50.43
<i>For Work In Restricted Working Space, Add</i>	22.68	
23 21 13 23-0768 LF 14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	180.30	65.44
<i>For Work In Restricted Working Space, Add</i>	29.44	
23 21 13 23-0769 Flanged Steel Fittings <small>(23 21 13 23)</small>		
See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0617 for welded neck flange ends.		
23 21 13 23-0770 Flanged Steel Fittings, Standard Weight <small>(23 21 13 23-0769)</small>		
Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0771 Flanged Steel, 90 Degree Elbows <small>(23 21 13 23-0770)</small>		
23 21 13 23-0772 EA 2" Standard Weight, Flanged Steel, 90 Degree Elbow.....	587.48	63.27
<i>For Galvanized Fittings, Add</i>	394.10	
<i>For Extra Heavy Weight Fittings, Add</i>	591.16	
23 21 13 23-0773 EA 2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	655.24	70.46
<i>For Galvanized Fittings, Add</i>	439.65	
<i>For Extra Heavy Weight Fittings, Add</i>	659.47	
23 21 13 23-0774 EA 3" Standard Weight, Flanged Steel, 90 Degree Elbow.....	651.23	77.77
<i>For Galvanized Fittings, Add</i>	427.77	
<i>For Extra Heavy Weight Fittings, Add</i>	641.65	
23 21 13 23-0775 EA 4" Standard Weight, Flanged Steel, 90 Degree Elbow.....	826.16	90.37
<i>For Galvanized Fittings, Add</i>	552.54	
<i>For Extra Heavy Weight Fittings, Add</i>	828.80	
23 21 13 23-0776 EA 5" Standard Weight, Flanged Steel, 90 Degree Elbow.....	1,154.32	101.21
<i>For Galvanized Fittings, Add</i>	802.06	
<i>For Extra Heavy Weight Fittings, Add</i>	1,203.10	
23 21 13 23-0777 EA 6" Standard Weight, Flanged Steel, 90 Degree Elbow.....	1,220.79	117.47
<i>For Galvanized Fittings, Add</i>	835.73	
<i>For Extra Heavy Weight Fittings, Add</i>	1,253.59	
23 21 13 23-0778 EA 8" Standard Weight, Flanged Steel, 90 Degree Elbow.....	1,548.44	130.07
<i>For Galvanized Fittings, Add</i>	1,082.67	
<i>For Extra Heavy Weight Fittings, Add</i>	1,624.01	
23 21 13 23-0779 Flanged Steel, Reducing 90 Degree Elbows <small>(23 21 13 23-0770)</small>		
23 21 13 23-0780 EA 2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,095.41	66.94
<i>For Galvanized Fittings, Add</i>	796.12	
<i>For Extra Heavy Weight Fittings, Add</i>	1,194.18	
23 21 13 23-0781 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,140.91	74.11
<i>For Galvanized Fittings, Add</i>	823.85	
<i>For Extra Heavy Weight Fittings, Add</i>	1,235.77	
23 21 13 23-0782 EA 4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,420.70	84.00
<i>For Galvanized Fittings, Add</i>	1,035.75	
<i>For Extra Heavy Weight Fittings, Add</i>	1,553.63	
23 21 13 23-0783 EA 5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,758.06	89.43
<i>For Galvanized Fittings, Add</i>	1,299.14	
<i>For Extra Heavy Weight Fittings, Add</i>	1,948.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0784 EA 6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,002.54 1,477.38 2,216.08	103.92
23 21 13 23-0785 EA 8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,792.33 2,085.37 3,128.05	123.83
23 21 13 23-0786 Flanged Steel, 45 Degree Elbows <small>(23 21 13 23-0770)</small>		
23 21 13 23-0787 EA 2" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	765.71 536.69 805.03	63.27
23 21 13 23-0788 EA 2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	798.82 554.51 831.77	70.46
23 21 13 23-0789 EA 3" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	829.47 570.36 855.54	77.77
23 21 13 23-0790 EA 4" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,034.10 718.89 1,078.33	90.37
23 21 13 23-0791 EA 5" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,490.99 1,071.40 1,607.10	101.21
23 21 13 23-0792 EA 6" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,453.49 1,021.89 1,532.83	117.47
23 21 13 23-0793 EA 8" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,714.15 1,215.24 1,822.86	130.07
23 21 13 23-0794 Flanged Steel, Tees <small>(23 21 13 23-0770)</small>		
23 21 13 23-0795 EA 2" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	753.71 489.16 733.74	94.84
23 21 13 23-0796 EA 2-1/2" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	972.95 651.55 977.33	105.68
23 21 13 23-0797 EA 3" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	887.74 570.37 855.55	116.52
23 21 13 23-0798 EA 4" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,267.67 851.55 1,277.33	135.62
23 21 13 23-0799 EA 5" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,882.17 1,323.64 1,985.46	151.88
23 21 13 23-0800 EA 6" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,296.90 1,626.17 2,439.25	176.27
23 21 13 23-0801 EA 8" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,543.35 1,789.72 2,684.58	204.18
23 21 13 23-0802 Flanged Steel, Reducing Tees <small>(23 21 13 23-0770)</small>		
23 21 13 23-0803 EA 2-1/2" Standard Weight, Flanged Steel, Reducing Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,190.34 829.79 1,244.69	102.16
23 21 13 23-0804 EA 3" Standard Weight, Flanged Steel, Reducing Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,374.93 964.46 1,446.68	113.00
23 21 13 23-0805 EA 4" Standard Weight, Flanged Steel, Reducing Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,364.62 1,736.70 2,605.04	129.25
23 21 13 23-0806 EA 5" Standard Weight, Flanged Steel, Reducing Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,556.07 1,869.26 2,803.90	146.46
23 21 13 23-0807 EA 6" Standard Weight, Flanged Steel, Reducing Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	3,212.77 2,368.62 3,552.92	168.14
23 21 13 23-0808 EA 8" Standard Weight, Flanged Steel, Reducing Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	4,011.27 2,982.49 4,473.73	188.87
23 21 13 23-0809 Flanged Steel, Concentric Reducers <small>(23 21 13 23-0770)</small>		
23 21 13 23-0810 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,126.06 811.97 1,217.95	74.11
23 21 13 23-0811 EA 4" x 3" Standard Weight, Flanged Steel, Concentric Reducer <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,279.59 922.86 1,384.30	84.00

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0812 EA 5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,898.75	95.79
For Galvanized Fittings, Add	1,404.10	
For Extra Heavy Weight Fittings, Add	2,106.16	
23 21 13 23-0813 EA 6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	2,094.13	103.92
For Galvanized Fittings, Add	1,550.66	
For Extra Heavy Weight Fittings, Add	2,325.98	
23 21 13 23-0814 EA 8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	2,453.18	123.83
For Galvanized Fittings, Add	1,814.05	
For Extra Heavy Weight Fittings, Add	2,721.07	
23 21 13 23-0815 Flanged Steel, Eccentric Reducers (23 21 13 23-0770)		
23 21 13 23-0816 EA 4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	1,217.21	84.00
For Galvanized Fittings, Add	872.96	
For Extra Heavy Weight Fittings, Add	1,309.44	
23 21 13 23-0817 EA 5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	1,654.67	95.79
For Galvanized Fittings, Add	1,208.84	
For Extra Heavy Weight Fittings, Add	1,813.26	
23 21 13 23-0818 Plain End Couplings And Fittings (23 21 13 23)		
Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21 13 23-0819 Plain End Piping System Couplings (23 21 13 23-0818)		
23 21 13 23-0820 Plainlock Plain End Piping System Couplings (23 21 13 23-0819)		
Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0821 EA 1" Plainlock Plain End Piping System Coupling	178.83	8.13
For Galvanized Fittings, Add	33.33	
23 21 13 23-0822 EA 1-1/2" Plainlock Plain End Piping System Coupling	183.57	11.24
For Galvanized Fittings, Add	33.33	
23 21 13 23-0823 EA 2" Plainlock Plain End Piping System Coupling	189.06	14.91
For Galvanized Fittings, Add	33.33	
23 21 13 23-0824 EA 2-1/2" Plainlock Plain End Piping System Coupling	193.74	18.02
For Galvanized Fittings, Add	33.33	
23 21 13 23-0825 EA 3" Plainlock Plain End Piping System Coupling	229.18	21.67
For Galvanized Fittings, Add	39.33	
23 21 13 23-0826 EA 4" Plainlock Plain End Piping System Coupling	315.83	28.86
For Galvanized Fittings, Add	54.49	
23 21 13 23-0827 EA 6" Plainlock Plain End Piping System Coupling	530.55	47.01
For Galvanized Fittings, Add	92.02	
23 21 13 23-0828 Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0819)		
Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0829 EA 1-1/2" Roust-A-Bout Plain End Piping System Coupling	215.94	11.24
For Galvanized Fittings, Add	49.75	
23 21 13 23-0830 EA 2" Roust-A-Bout Plain End Piping System Coupling	221.43	14.91
For Galvanized Fittings, Add	49.75	
23 21 13 23-0831 EA 2-1/2" Roust-A-Bout Plain End Piping System Coupling	226.13	18.15
For Galvanized Fittings, Add	49.75	
23 21 13 23-0832 EA 3" Roust-A-Bout Plain End Piping System Coupling	327.28	21.67
For Galvanized Fittings, Add	73.70	
23 21 13 23-0833 EA 3-1/2" Roust-A-Bout Plain End Piping System Coupling	379.11	25.34
For Galvanized Fittings, Add	85.29	
23 21 13 23-0834 EA 4" Roust-A-Bout Plain End Piping System Coupling	384.47	28.86
For Galvanized Fittings, Add	85.29	
23 21 13 23-0835 EA 5" Roust-A-Bout Plain End Piping System Coupling	541.60	36.18
For Galvanized Fittings, Add	121.84	
23 21 13 23-0836 EA 6" Roust-A-Bout Plain End Piping System Coupling	665.71	47.01
For Galvanized Fittings, Add	148.81	
23 21 13 23-0837 EA 8" Roust-A-Bout Plain End Piping System Coupling	1,139.56	56.09
For Galvanized Fittings, Add	263.87	
23 21 13 23-0838 EA 10" Roust-A-Bout Plain End Piping System Coupling	1,472.78	66.39
For Galvanized Fittings, Add	343.29	
23 21 13 23-0839 EA 12" Roust-A-Bout Plain End Piping System Coupling	1,840.92	78.58
For Galvanized Fittings, Add	430.76	
23 21 13 23-0840 EA 14" Roust-A-Bout Plain End Piping System Coupling	2,577.01	86.85
For Galvanized Fittings, Add	611.68	
23 21 13 23-0841 EA 16" Roust-A-Bout Plain End Piping System Coupling	3,497.87	98.23
For Galvanized Fittings, Add	837.65	
23 21 13 23-0842 Plain End Piping System Fittings (23 21 13 23-0818)		
Note: Cast ductile iron bodies.		
23 21 13 23-0843 Plain End Piping System, 90 Degree Elbows (23 21 13 23-0842)		
23 21 13 23-0844 EA 1" Plain End Piping System, 90 Degree Elbow	179.44	14.77
For Galvanized Fittings, Add	31.46	
23 21 13 23-0845 EA 1-1/2" Plain End Piping System, 90 Degree Elbow	190.83	22.36
For Galvanized Fittings, Add	31.46	
23 21 13 23-0846 EA 2" Plain End Piping System, 90 Degree Elbow	201.58	29.54
For Galvanized Fittings, Add	31.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0847 EA 2-1/2" Plain End Piping System, 90 Degree Elbow	211.24	36.04
<i>For Galvanized Fittings, Add</i>	31.46	
23 21 13 23-0848 EA 3" Plain End Piping System, 90 Degree Elbow	254.33	43.63
<i>For Galvanized Fittings, Add</i>	37.79	
23 21 13 23-0849 EA 4" Plain End Piping System, 90 Degree Elbow	361.73	57.45
<i>For Galvanized Fittings, Add</i>	55.11	
23 21 13 23-0850 EA 5" Plain End Piping System, 90 Degree Elbow	1,061.60	71.94
<i>For Galvanized Fittings, Add</i>	190.75	
23 21 13 23-0851 EA 6" Plain End Piping System, 90 Degree Elbow	899.51	94.16
<i>For Galvanized Fittings, Add</i>	151.68	
23 21 13 23-0852 EA 8" Plain End Piping System, 90 Degree Elbow	1,769.44	111.77
<i>For Galvanized Fittings, Add</i>	320.35	
23 21 13 23-0853 EA 10" Plain End Piping System, 90 Degree Elbow	2,208.95	130.61
<i>For Galvanized Fittings, Add</i>	402.63	
23 21 13 23-0854 EA 12" Plain End Piping System, 90 Degree Elbow	2,798.44	156.89
<i>For Galvanized Fittings, Add</i>	512.64	
23 21 13 23-0855 Plain End Piping System, 45 Degree Elbows <small>(23 21 13 23-0842)</small>		
23 21 13 23-0856 EA 1" Plain End Piping System, 45 Degree Elbow	179.44	14.77
<i>For Galvanized Fittings, Add</i>	31.46	
23 21 13 23-0857 EA 1-1/2" Plain End Piping System, 45 Degree Elbow	190.83	22.36
<i>For Galvanized Fittings, Add</i>	31.46	
23 21 13 23-0858 EA 2" Plain End Piping System, 45 Degree Elbow	201.58	29.54
<i>For Galvanized Fittings, Add</i>	31.46	
23 21 13 23-0859 EA 2-1/2" Plain End Piping System, 45 Degree Elbow	211.24	36.04
<i>For Galvanized Fittings, Add</i>	31.46	
23 21 13 23-0860 EA 3" Plain End Piping System, 45 Degree Elbow	254.33	43.63
<i>For Galvanized Fittings, Add</i>	37.79	
23 21 13 23-0861 EA 4" Plain End Piping System, 45 Degree Elbow	361.73	57.45
<i>For Galvanized Fittings, Add</i>	55.11	
23 21 13 23-0862 EA 5" Plain End Piping System, 45 Degree Elbow	1,061.60	71.94
<i>For Galvanized Fittings, Add</i>	190.75	
23 21 13 23-0863 EA 6" Plain End Piping System, 45 Degree Elbow	902.42	94.16
<i>For Galvanized Fittings, Add</i>	152.26	
23 21 13 23-0864 EA 8" Plain End Piping System, 45 Degree Elbow	1,047.80	111.77
<i>For Galvanized Fittings, Add</i>	176.02	
23 21 13 23-0865 EA 10" Plain End Piping System, 45 Degree Elbow	1,424.04	130.61
<i>For Galvanized Fittings, Add</i>	245.65	
23 21 13 23-0866 EA 12" Plain End Piping System, 45 Degree Elbow	1,821.96	156.89
<i>For Galvanized Fittings, Add</i>	317.35	
23 21 13 23-0867 Plain End Piping System, Tees <small>(23 21 13 23-0842)</small>		
23 21 13 23-0868 EA 1" Plain End Piping System, Tee	245.36	22.36
<i>For Galvanized Fittings, Add</i>	42.37	
23 21 13 23-0869 EA 1-1/2" Plain End Piping System, Tee	262.16	33.60
<i>For Galvanized Fittings, Add</i>	42.37	
23 21 13 23-0870 EA 2" Plain End Piping System, Tee	276.97	43.49
<i>For Galvanized Fittings, Add</i>	42.37	
23 21 13 23-0871 EA 2-1/2" Plain End Piping System, Tee	291.72	53.25
<i>For Galvanized Fittings, Add</i>	42.37	
23 21 13 23-0872 EA 3" Plain End Piping System, Tee	403.02	65.44
<i>For Galvanized Fittings, Add</i>	60.97	
23 21 13 23-0873 EA 4" Plain End Piping System, Tee	550.81	84.68
<i>For Galvanized Fittings, Add</i>	84.79	
23 21 13 23-0874 EA 5" Plain End Piping System, Tee	1,097.32	110.70
<i>For Galvanized Fittings, Add</i>	186.26	
23 21 13 23-0875 EA 6" Plain End Piping System, Tee	1,357.19	138.61
<i>For Galvanized Fittings, Add</i>	229.88	
23 21 13 23-0876 EA 8" Plain End Piping System, Tee	1,845.35	168.55
<i>For Galvanized Fittings, Add</i>	318.51	
23 21 13 23-0877 EA 10" Plain End Piping System, Tee	2,726.54	196.45
<i>For Galvanized Fittings, Add</i>	486.40	
23 21 13 23-0878 EA 12" Plain End Piping System, Tee	3,642.78	235.35
<i>For Galvanized Fittings, Add</i>	657.99	
23 21 13 23-0879 Plain End Piping System, Reducing Tees <small>(23 21 13 23-0842)</small>		
23 21 13 23-0880 EA 1-1/2" Plain End Piping System, Reducing Tee	472.70	36.04
<i>For Galvanized Fittings, Add</i>	83.74	
23 21 13 23-0881 EA 2" Plain End Piping System, Reducing Tee	483.84	43.49
<i>For Galvanized Fittings, Add</i>	83.74	
23 21 13 23-0882 EA 2-1/2" Plain End Piping System, Reducing Tee	498.59	53.25
<i>For Galvanized Fittings, Add</i>	83.74	
23 21 13 23-0883 EA 3" Plain End Piping System, Reducing Tee	516.88	65.44
<i>For Galvanized Fittings, Add</i>	83.74	
23 21 13 23-0884 EA 4" Plain End Piping System, Reducing Tee	744.99	84.68
<i>For Galvanized Fittings, Add</i>	123.63	
23 21 13 23-0885 EA 6" Plain End Piping System, Reducing Tee	1,257.47	138.61
<i>For Galvanized Fittings, Add</i>	209.93	
23 21 13 23-0886 EA 8" Plain End Piping System, Reducing Tee	1,635.12	168.55
<i>For Galvanized Fittings, Add</i>	276.47	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0887 EA 10" Plain End Piping System, Reducing Tee	2,425.64	196.45
For Galvanized Fittings, Add	426.22	
23 21 13 23-0888 EA 12" Plain End Piping System, Reducing Tee	3,556.68	235.35
For Galvanized Fittings, Add	640.77	
23 21 13 23-0889 Plain End Piping System, Wyes (23 21 13 23-0842)		
23 21 13 23-0890 EA 2" Plain End Piping System, Wye	685.61	43.49
For Galvanized Fittings, Add	124.09	
23 21 13 23-0891 EA 2-1/2" Plain End Piping System, Wye	700.36	53.25
For Galvanized Fittings, Add	124.09	
23 21 13 23-0892 EA 3" Plain End Piping System, Wye	795.62	65.44
For Galvanized Fittings, Add	139.49	
23 21 13 23-0893 EA 4" Plain End Piping System, Wye	1,162.09	84.68
For Galvanized Fittings, Add	207.05	
23 21 13 23-0894 EA 5" Plain End Piping System, Wye	1,425.78	110.70
For Galvanized Fittings, Add	251.95	
23 21 13 23-0895 EA 6" Plain End Piping System, Wye	1,942.52	138.61
For Galvanized Fittings, Add	346.94	
23 21 13 23-0896 EA 8" Plain End Piping System, Wye	2,499.34	168.55
For Galvanized Fittings, Add	449.31	
23 21 13 23-0897 EA 10" Plain End Piping System, Wye	3,607.38	196.45
For Galvanized Fittings, Add	662.57	
23 21 13 23-0898 EA 12" Plain End Piping System, Wye	5,459.86	235.35
For Galvanized Fittings, Add	1,021.41	
23 21 13 23-0899 Plain End Piping System, Laterals (23 21 13 23-0842)		
23 21 13 23-0900 EA 2" Plain End Piping System, Lateral.....	729.49	43.49
For Galvanized Fittings, Add	132.87	
23 21 13 23-0901 EA 2-1/2" Plain End Piping System, Lateral	744.24	53.25
For Galvanized Fittings, Add	132.87	
23 21 13 23-0902 EA 3" Plain End Piping System, Lateral.....	839.21	65.44
For Galvanized Fittings, Add	148.21	
23 21 13 23-0903 EA 4" Plain End Piping System, Lateral.....	1,245.33	84.68
For Galvanized Fittings, Add	223.69	
23 21 13 23-0904 EA 5" Plain End Piping System, Lateral.....	1,624.05	110.70
For Galvanized Fittings, Add	291.60	
23 21 13 23-0905 EA 6" Plain End Piping System, Lateral.....	2,070.08	138.61
For Galvanized Fittings, Add	372.45	
23 21 13 23-0906 EA 8" Plain End Piping System, Lateral.....	2,967.90	168.55
For Galvanized Fittings, Add	543.02	
23 21 13 23-0907 EA 10" Plain End Piping System, Lateral.....	4,127.25	196.45
For Galvanized Fittings, Add	766.54	
23 21 13 23-0908 EA 12" Plain End Piping System, Lateral.....	5,537.13	235.35
For Galvanized Fittings, Add	1,036.86	
23 21 13 23-0909 Plain End Piping System, Crosses (23 21 13 23-0842)		
23 21 13 23-0910 EA 2" Plain End Piping System, Cross	818.96	65.17
For Galvanized Fittings, Add	90.17	
23 21 13 23-0911 EA 2-1/2" Plain End Piping System, Cross	841.04	79.80
For Galvanized Fittings, Add	90.17	
23 21 13 23-0912 EA 3" Plain End Piping System, Cross	983.94	98.23
For Galvanized Fittings, Add	104.58	
23 21 13 23-0913 EA 4" Plain End Piping System, Cross	1,339.68	126.95
For Galvanized Fittings, Add	143.67	
23 21 13 23-0914 EA 5" Plain End Piping System, Cross	1,881.56	166.11
For Galvanized Fittings, Add	204.06	
23 21 13 23-0915 EA 6" Plain End Piping System, Cross	2,466.34	207.29
For Galvanized Fittings, Add	269.45	
23 21 13 23-0916 EA 8" Plain End Piping System, Cross	3,141.77	251.06
For Galvanized Fittings, Add	345.68	
23 21 13 23-0917 EA 10" Plain End Piping System, Cross	4,474.81	293.47
For Galvanized Fittings, Add	504.37	
23 21 13 23-0918 EA 12" Plain End Piping System, Cross	6,347.28	353.08
For Galvanized Fittings, Add	727.25	
23 21 13 23-0919 Plain End Piping System, Adapter Nipples (23 21 13 23-0842)		
Note: Plain to threaded, plain to beveled or plain to grooved.		
23 21 13 23-0920 EA 1" Plain End Piping System, Adapter Nipple.....	42.09	8.13
For Galvanized Fittings, Add	7.48	
23 21 13 23-0921 EA 1-1/2" Plain End Piping System, Adapter Nipple.....	47.66	11.24
For Galvanized Fittings, Add	7.68	
23 21 13 23-0922 EA 2" Plain End Piping System, Adapter Nipple.....	53.01	14.91
For Galvanized Fittings, Add	7.68	
23 21 13 23-0923 EA 2-1/2" Plain End Piping System, Adapter Nipple.....	63.09	18.02
For Galvanized Fittings, Add	9.00	
23 21 13 23-0924 EA 3" Plain End Piping System, Adapter Nipple.....	77.00	21.67
For Galvanized Fittings, Add	11.12	
23 21 13 23-0925 EA 4" Plain End Piping System, Adapter Nipple.....	117.74	28.86
For Galvanized Fittings, Add	18.60	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	23 21	13 23-0926	EA	6" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	255.33 50.29	36.18	
23 21	13 23-0927	Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0842)					
	23 21	13 23-0928	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	129.62 25.12	19.37	
	23 21	13 23-0929	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	135.05 25.12	23.03	
	23 21	13 23-0930	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	140.53 25.12	26.69	
	23 21	13 23-0931	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	139.20 25.12	25.88	
	23 21	13 23-0932	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	144.53 25.12	29.40	
	23 21	13 23-0933	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	149.93 25.12	32.92	
	23 21	13 23-0934	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	167.02 30.60	29.81	
	23 21	13 23-0935	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	171.83 30.60	32.92	
	23 21	13 23-0936	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	149.03 23.53	36.58	
	23 21	13 23-0937	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	159.52 23.53	43.63	
	23 21	13 23-0938	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	182.97 28.14	47.01	
	23 21	13 23-0939	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	227.63 43.03	36.99	
	23 21	13 23-0940	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	232.37 43.03	40.24	
	23 21	13 23-0941	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	196.09 32.58	43.89	
	23 21	13 23-0942	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	200.74 32.58	47.01	
	23 21	13 23-0943	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	206.27 32.58	50.67	
	23 21	13 23-0944	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	211.55 32.58	54.19	
	23 21	13 23-0945	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	555.87 119.81	51.07	
	23 21	13 23-0946	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	456.53 92.48	57.72	
	23 21	13 23-0947	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	402.00 76.10	65.17	
	23 21	13 23-0948	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	995.76 228.29	55.15	
	23 21	13 23-0949	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	1,000.44 228.29	58.26	
	23 21	13 23-0950	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	768.18 168.85	61.92	
	23 21	13 23-0951	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	773.00 168.85	65.17	
	23 21	13 23-0952	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	540.66 109.43	68.70	
	23 21	13 23-0953	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	545.58 109.43	71.94	
	23 21	13 23-0954	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	445.62 82.99	75.88	
	23 21	13 23-0955	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	505.14 95.15	83.06	
	23 21	13 23-0956	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	644.28 131.97	77.64	
	23 21	13 23-0957	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	655.21 131.97	84.95	
	23 21	13 23-0958	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	738.78 150.13	92.27	
	23 21	13 23-0959	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	827.80 168.29	103.10	
23 21	13 23-0960	Plain End Piping System, Bull Plugs (23 21 13 23-0842)					
	23 21	13 23-0961	EA	1" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	354.20 102.60	8.13	
	23 21	13 23-0962	EA	1-1/2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	358.95 102.60	11.24	
	23 21	13 23-0963	EA	2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	364.30 102.60	14.91	
	23 21	13 23-0964	EA	2-1/2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	369.11 102.60	18.02	
	23 21	13 23-0965	EA	3" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	533.87 150.41	21.67	
	23 21	13 23-0966	EA	4" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	690.93 194.27	28.86	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0967 EA 5" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	1,198.60 343.33	36.18
23 21 13 23-0968 EA 6" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	1,596.83 457.91	47.01
23 21 13 23-0969 EA 8" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	2,953.63 860.90	55.95
23 21 13 23-0970 EA 10" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	5,307.55 1,562.81	65.44
23 21 13 23-0971 EA 12" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	8,128.94 2,403.33	78.58
23 21 13 23-0972 Carbon Steel Piping Systems (23 21 13 23)		
23 21 13 23-0973 Class 3,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0972)		
Note: ASTM A105		
23 21 13 23-0974 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0973)		
23 21 13 23-0975 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	50.33	26.82
23 21 13 23-0976 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	56.59	29.94
23 21 13 23-0977 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	71.66	33.46
23 21 13 23-0978 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	96.86	37.94
23 21 13 23-0979 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	110.66	42.68
23 21 13 23-0980 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	149.81	54.33
23 21 13 23-0981 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	294.08	80.34
23 21 13 23-0982 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	417.66	105.68
23 21 13 23-0983 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	707.93	105.09
23 21 13 23-0984 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0973)		
23 21 13 23-0985 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	54.83	26.82
23 21 13 23-0986 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	63.38	29.94
23 21 13 23-0987 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	73.75	33.46
23 21 13 23-0988 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	99.51	37.94
23 21 13 23-0989 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	117.00	42.68
23 21 13 23-0990 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	149.68	54.33
23 21 13 23-0991 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	332.88	80.34
23 21 13 23-0992 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	450.48	105.68
23 21 13 23-0993 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	693.73	105.09
23 21 13 23-0994 Straight Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0973)		
23 21 13 23-0995 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	61.76	33.46
23 21 13 23-0996 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	74.63	38.61
23 21 13 23-0997 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	98.02	45.66
23 21 13 23-0998 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	129.63	54.33
23 21 13 23-0999 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	156.96	64.76
23 21 13 23-1000 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	207.29	80.34
23 21 13 23-1001 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	367.57	105.68
23 21 13 23-1002 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	502.16	125.46
23 21 13 23-1003 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	936.62	132.67
23 21 13 23-1004 Reducing Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0973)		
23 21 13 23-1005 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	62.99	33.46
23 21 13 23-1006 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	75.90	38.61
23 21 13 23-1007 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	99.54	45.66
23 21 13 23-1008 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	133.23	54.33
23 21 13 23-1009 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	161.19	64.76
23 21 13 23-1010 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	213.78	80.34
23 21 13 23-1011 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	383.00	105.68
23 21 13 23-1012 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	524.36	125.46
23 21 13 23-1013 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	857.60	132.67
23 21 13 23-1014 Straight Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0973)		
23 21 13 23-1015 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	44.80	26.82
23 21 13 23-1016 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	50.46	29.94
23 21 13 23-1017 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	58.64	33.46
23 21 13 23-1018 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	67.47	37.94
23 21 13 23-1019 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	78.40	42.68
23 21 13 23-1020 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	102.33	54.33
23 21 13 23-1021 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	173.13	80.34
23 21 13 23-1022 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	231.14	105.68
23 21 13 23-1023 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	302.47	105.09
23 21 13 23-1024 Reducing Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0973)		
23 21 13 23-1025 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	47.30	26.82
23 21 13 23-1026 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	53.21	29.94
23 21 13 23-1027 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	63.04	33.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1028 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	72.79	37.94
23 21 13 23-1029 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	86.28	42.68
23 21 13 23-1030 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	110.76	54.33
23 21 13 23-1031 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	191.69	80.34
23 21 13 23-1032 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	268.48	105.68
23 21 13 23-1033 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	380.09	105.09
23 21 13 23-1034 Caps, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0973)		
23 21 13 23-1035 EA 1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	26.18	12.60
23 21 13 23-1036 EA 3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	29.72	13.42
23 21 13 23-1037 EA 1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	34.84	15.45
23 21 13 23-1038 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	40.32	16.80
23 21 13 23-1039 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	45.90	16.80
23 21 13 23-1040 EA 2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	59.54	21.54
23 21 13 23-1041 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	104.10	26.82
23 21 13 23-1042 EA 3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	149.33	32.38
23 21 13 23-1043 EA 4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	211.11	35.96
23 21 13 23-1044 Black Cast Iron Square Head Plug (23 21 13 23-0973)		
23 21 13 23-1045 EA 1/2" Square Head Plug, Black, Cast Iron.....	17.58	10.70
23 21 13 23-1046 EA 3/4" Square Head Plug, Black, Cast Iron.....	19.97	10.70
23 21 13 23-1047 EA 1" Square Head Plug, Black, Cast Iron.....	28.71	16.25
23 21 13 23-1048 EA 1-1/4" Square Head Plug, Black, Cast Iron.....	29.19	16.25
23 21 13 23-1049 EA 1-1/2" Square Head Plug, Black, Cast Iron.....	31.17	16.25
23 21 13 23-1050 EA 2" Square Head Plug, Black, Cast Iron.....	41.32	21.54
23 21 13 23-1051 EA 2-1/2" Square Head Plug, Black, Cast Iron.....	53.10	26.82
23 21 13 23-1052 EA 3" Square Head Plug, Black, Cast Iron.....	69.36	32.38
23 21 13 23-1053 EA 4" Square Head Plug, Black, Cast Iron.....	78.41	35.96
23 21 13 23-1054 Unions, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0973)		
23 21 13 23-1055 EA 1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	76.27	33.46
23 21 13 23-1056 EA 3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	84.68	38.61
23 21 13 23-1057 EA 1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	107.56	45.66
23 21 13 23-1058 EA 1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	135.39	54.33
23 21 13 23-1059 EA 1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	163.04	64.76
23 21 13 23-1060 EA 2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	203.74	80.34
23 21 13 23-1061 EA 2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	344.22	87.25
23 21 13 23-1062 EA 3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	460.82	105.68
23 21 13 23-1063 Class 6,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0972)		
Note: ASTM A105		
23 21 13 23-1064 90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1063)		
23 21 13 23-1065 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	55.75	26.82
23 21 13 23-1066 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	62.78	29.94
23 21 13 23-1067 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	83.07	33.46
23 21 13 23-1068 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	118.13	37.94
23 21 13 23-1069 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	135.41	42.68
23 21 13 23-1070 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	186.16	54.33
23 21 13 23-1071 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	386.31	80.34
23 21 13 23-1072 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	555.32	105.68
23 21 13 23-1073 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	1,000.26	105.09
23 21 13 23-1074 45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1063)		
23 21 13 23-1075 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	63.14	26.82
23 21 13 23-1076 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	73.83	29.94
23 21 13 23-1077 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	87.09	33.46
23 21 13 23-1078 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	123.68	37.94
23 21 13 23-1079 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	146.97	42.68
23 21 13 23-1080 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	188.36	54.33
23 21 13 23-1081 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	453.16	80.34
23 21 13 23-1082 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	615.83	105.68
23 21 13 23-1083 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	997.34	105.09
23 21 13 23-1084 Straight Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1063)		
23 21 13 23-1085 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	72.49	33.46
23 21 13 23-1086 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	90.12	38.61
23 21 13 23-1087 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	125.43	45.66
23 21 13 23-1088 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	174.32	54.33
23 21 13 23-1089 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	212.38	64.76
23 21 13 23-1090 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	287.75	80.34
23 21 13 23-1091 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	561.25	105.68
23 21 13 23-1092 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	792.98	125.46
23 21 13 23-1093 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	1,619.86	132.67

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1094			Reducing Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1063)		
23 21 13 23-1095	EA		1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	62.99	33.46
23 21 13 23-1096	EA		3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	75.90	38.61
23 21 13 23-1097	EA		1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	99.54	45.66
23 21 13 23-1098	EA		1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	133.23	54.33
23 21 13 23-1099	EA		1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	161.19	64.76
23 21 13 23-1100	EA		2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	213.78	80.34
23 21 13 23-1101	EA		2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	383.00	105.68
23 21 13 23-1102	EA		3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	524.36	125.46
23 21 13 23-1103	EA		4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	857.60	132.67
23 21 13 23-1104			Straight Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1063)		
23 21 13 23-1105	EA		1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	47.05	26.82
23 21 13 23-1106	EA		3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	53.12	29.94
23 21 13 23-1107	EA		1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	62.73	33.46
23 21 13 23-1108	EA		1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	72.63	37.94
23 21 13 23-1109	EA		1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	85.33	42.68
23 21 13 23-1110	EA		2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	112.46	54.33
23 21 13 23-1111	EA		2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	198.62	80.34
23 21 13 23-1112	EA		3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	266.28	105.68
23 21 13 23-1113	EA		4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	372.59	105.09
23 21 13 23-1114			Reducing Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1063)		
23 21 13 23-1115	EA		1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	50.74	26.82
23 21 13 23-1116	EA		3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	57.17	29.94
23 21 13 23-1117	EA		1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	69.21	33.46
23 21 13 23-1118	EA		1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	80.46	37.94
23 21 13 23-1119	EA		1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	96.95	42.68
23 21 13 23-1120	EA		2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	124.86	54.33
23 21 13 23-1121	EA		2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	225.90	80.34
23 21 13 23-1122	EA		3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	321.28	105.68
23 21 13 23-1123	EA		4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	486.94	105.09
23 21 13 23-1124			Caps, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1063)		
23 21 13 23-1125	EA		1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	31.12	12.60
23 21 13 23-1126	EA		3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	36.20	13.42
23 21 13 23-1127	EA		1" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	42.67	15.45
23 21 13 23-1128	EA		1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	50.54	16.80
23 21 13 23-1129	EA		1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	59.87	16.80
23 21 13 23-1130	EA		2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	77.76	21.54
23 21 13 23-1131	EA		2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	147.03	26.82
23 21 13 23-1132	EA		3" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	216.96	32.38
23 21 13 23-1133	EA		4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	316.55	35.96
23 21 13 23-1134			Black Cast Iron Square Head Plug (23 21 13 23-1063)		
23 21 13 23-1135	EA		1/2" Square Head Plug, Black Cast Iron.....	17.59	10.70
23 21 13 23-1136	EA		3/4" Square Head Plug, Black Cast Iron.....	19.99	10.70
23 21 13 23-1137	EA		1" Square Head Plug, Black Cast Iron.....	28.74	16.25
23 21 13 23-1138	EA		1-1/4" Square Head Plug, Black Cast Iron.....	29.22	16.25
23 21 13 23-1139	EA		1-1/2" Square Head Plug, Black Cast Iron.....	31.20	16.25
23 21 13 23-1140	EA		2" Square Head Plug, Black Cast Iron.....	41.36	21.54
23 21 13 23-1141	EA		2-1/2" Square Head Plug, Black Cast Iron.....	53.17	26.82
23 21 13 23-1142	EA		3" Square Head Plug, Black Cast Iron.....	69.47	32.38
23 21 13 23-1143	EA		4" Square Head Plug, Black Cast Iron.....	78.53	35.96
23 21 13 23-1144			Unions, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1063)		
23 21 13 23-1145	EA		1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	92.23	33.46
23 21 13 23-1146	EA		3/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	101.06	38.61
23 21 13 23-1147	EA		1" Union, Carbon Steel, Socket Weld, 6,000 LB.....	131.49	45.66
23 21 13 23-1148	EA		1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	168.42	54.33
23 21 13 23-1149	EA		1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	203.35	64.76
23 21 13 23-1150	EA		2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	254.69	80.34
23 21 13 23-1151	EA		2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	474.67	87.25
23 21 13 23-1152	EA		3" Union, Carbon Steel, Socket Weld, 6,000 LB.....	645.71	105.68
23 21 13 23-1153			Carbon Steel, Seamless Piping System (23 21 13 23-0972)		
			Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1154			Schedule 40, Carbon Steel, Seamless Piping (23 21 13 23-1153)		
			Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1155	LF		1/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	12.02	5.01
			For Schedule 80, Add	1.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1156 LF 1/2" ASTM A106 Carbon Steel Pipe, Schedule 40	12.32	5.42
<i>For Schedule 80, Add</i>	1.48	
<i>For Schedule 160, Add</i>	6.17	
23 21 13 23-1157 LF 3/4" ASTM A106 Carbon Steel Pipe, Schedule 40	13.78	5.82
<i>For Schedule 80, Add</i>	1.81	
<i>For Schedule 160, Add</i>	7.56	
23 21 13 23-1158 LF 1" ASTM A106 Carbon Steel Pipe, Schedule 40	14.66	6.37
<i>For Schedule 80, Add</i>	1.87	
<i>For Schedule 160, Add</i>	7.79	
23 21 13 23-1159 LF 1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40	19.43	7.86
<i>For Schedule 80, Add</i>	2.75	
<i>For Schedule 160, Add</i>	11.48	
23 21 13 23-1160 LF 2" ASTM A106 Carbon Steel Pipe, Schedule 40	24.34	9.48
<i>For Schedule 80, Add</i>	3.63	
<i>For Schedule 160, Add</i>	15.12	
23 21 13 23-1161 90 Degree Elbows, Screwed Carbon Steel <small>(23 21 13 23-1153)</small>		
23 21 13 23-1162 EA 1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	37.31	20.60
23 21 13 23-1163 EA 1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	44.95	24.12
23 21 13 23-1164 EA 3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	50.23	26.97
23 21 13 23-1165 EA 1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	57.50	30.07
23 21 13 23-1166 EA 1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	89.51	38.48
23 21 13 23-1167 EA 2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	113.44	48.91
23 21 13 23-1168 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	39.35	20.60
23 21 13 23-1169 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	45.72	24.12
23 21 13 23-1170 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	52.76	26.97
23 21 13 23-1171 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	63.01	30.07
23 21 13 23-1172 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	102.66	38.48
23 21 13 23-1173 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	127.97	48.91
23 21 13 23-1174 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	52.88	24.12
23 21 13 23-1175 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	61.78	26.97
23 21 13 23-1176 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	72.48	30.07
23 21 13 23-1177 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	129.28	38.48
23 21 13 23-1178 EA 2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	198.57	48.91
23 21 13 23-1179 45 Degree Elbows, Screwed Carbon Steel <small>(23 21 13 23-1153)</small>		
23 21 13 23-1180 EA 1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	41.63	20.60
23 21 13 23-1181 EA 1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	46.60	24.12
23 21 13 23-1182 EA 3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	52.37	26.97
23 21 13 23-1183 EA 1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	59.12	30.07
23 21 13 23-1184 EA 1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	84.25	38.48
23 21 13 23-1185 EA 2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	121.54	48.91
23 21 13 23-1186 EA 1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	41.96	20.60
23 21 13 23-1187 EA 1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	48.48	24.12
23 21 13 23-1188 EA 3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	54.53	26.97
23 21 13 23-1189 EA 1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	64.75	30.07
23 21 13 23-1190 EA 1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	100.63	38.48
23 21 13 23-1191 EA 2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	132.51	48.91
23 21 13 23-1192 EA 1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	57.82	24.12
23 21 13 23-1193 EA 3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	70.70	26.97
23 21 13 23-1194 EA 1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	75.83	30.07
23 21 13 23-1195 EA 1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	148.27	38.48
23 21 13 23-1196 EA 2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	199.82	48.91
23 21 13 23-1197 Straight Tees, Screwed Carbon Steel <small>(23 21 13 23-1153)</small>		
23 21 13 23-1198 EA 1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	49.70	28.58
23 21 13 23-1199 EA 1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	56.59	30.07
23 21 13 23-1200 EA 3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	67.69	34.82
23 21 13 23-1201 EA 1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	82.89	41.06
23 21 13 23-1202 EA 1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	132.23	58.26
23 21 13 23-1203 EA 2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	163.95	72.35
23 21 13 23-1204 EA 1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	51.45	28.58
23 21 13 23-1205 EA 1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	57.73	30.07
23 21 13 23-1206 EA 3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	71.50	34.82
23 21 13 23-1207 EA 1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	86.15	41.06
23 21 13 23-1208 EA 1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	143.52	58.26
23 21 13 23-1209 EA 2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	182.63	72.35
23 21 13 23-1210 EA 1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	66.32	30.07
23 21 13 23-1211 EA 3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	80.73	34.82
23 21 13 23-1212 EA 1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	108.97	41.06
23 21 13 23-1213 EA 1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	169.45	58.26
23 21 13 23-1214 EA 2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	265.28	72.35
23 21 13 23-1215 Crosses, Screwed Carbon Steel <small>(23 21 13 23-1153)</small>		
23 21 13 23-1216 EA 1/4" Cross, 2,000 LB, Screwed Carbon Steel	74.14	36.18
23 21 13 23-1217 EA 1/2" Cross, 2,000 LB, Screwed Carbon Steel	87.48	40.64
23 21 13 23-1218 EA 3/4" Cross, 2,000 LB, Screwed Carbon Steel	93.98	43.36

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1219	EA	1" Cross, 2,000 LB, Screwed Carbon Steel	116.16	52.30
23 21	13 23-1220	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	200.58	73.16
23 21	13 23-1221	EA	2" Cross, 2,000 LB, Screwed Carbon Steel	258.59	90.37
23 21	13 23-1222	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel	89.63	40.64
23 21	13 23-1223	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel	106.32	43.36
23 21	13 23-1224	EA	1" Cross, 3,000 LB, Screwed Carbon Steel	126.97	52.30
23 21	13 23-1225	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel	216.15	73.16
23 21	13 23-1226	EA	2" Cross, 3,000 LB, Screwed Carbon Steel	287.04	90.37
23 21	13 23-1227	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel	129.84	40.64
23 21	13 23-1228	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel	216.06	43.36
23 21	13 23-1229	EA	1" Cross, 6,000 LB, Screwed Carbon Steel	296.06	52.30
23 21	13 23-1230	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel	467.61	73.16
23 21	13 23-1231	EA	2" Cross, 6,000 LB, Screwed Carbon Steel	513.14	90.37
23 21 13 23-1232 Straight Couplings, Screwed Carbon Steel (23 21 13 23-1153)					
23 21	13 23-1233	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	34.73	20.60
23 21	13 23-1234	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	39.70	24.12
23 21	13 23-1235	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	45.35	26.97
23 21	13 23-1236	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	52.55	30.07
23 21	13 23-1237	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	76.24	38.48
23 21	13 23-1238	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	96.77	48.91
23 21	13 23-1239	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	39.88	20.60
23 21	13 23-1240	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	42.96	24.12
23 21	13 23-1241	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	47.86	26.97
23 21	13 23-1242	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	55.89	30.07
23 21	13 23-1243	EA	1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	81.34	38.48
23 21	13 23-1244	EA	2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	115.39	48.91
23 21 13 23-1245 Reducing Couplings, Screwed Carbon Steel (23 21 13 23-1153)					
23 21	13 23-1246	EA	1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	35.44	21.95
23 21	13 23-1247	EA	1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	41.38	24.12
23 21	13 23-1248	EA	3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	47.93	26.97
23 21	13 23-1249	EA	1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	56.13	30.07
23 21	13 23-1250	EA	1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	77.17	38.48
23 21	13 23-1251	EA	2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	101.79	48.91
23 21	13 23-1252	EA	1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	107.38	24.12
23 21	13 23-1253	EA	3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	111.69	26.97
23 21	13 23-1254	EA	1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	130.44	30.07
23 21	13 23-1255	EA	1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	187.09	38.48
23 21	13 23-1256	EA	2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	268.17	48.91
23 21 13 23-1257 Caps, Screwed Carbon Steel (23 21 13 23-1153)					
23 21	13 23-1258	EA	1/4" Cap, 3,000 LB, Screwed Carbon Steel	16.89	9.21
23 21	13 23-1259	EA	1/2" Cap, 3,000 LB, Screwed Carbon Steel	19.54	10.70
23 21	13 23-1260	EA	3/4" Cap, 3,000 LB, Screwed Carbon Steel	22.79	12.06
23 21	13 23-1261	EA	1" Cap, 3,000 LB, Screwed Carbon Steel	27.39	13.42
23 21	13 23-1262	EA	1-1/2" Cap, 3,000 LB, Screwed Carbon Steel	37.23	17.07
23 21	13 23-1263	EA	2" Cap, 3,000 LB, Screwed Carbon Steel	50.49	21.82
23 21	13 23-1264	EA	1/4" Cap, 6,000 LB, Screwed Carbon Steel	23.08	9.21
23 21	13 23-1265	EA	1/2" Cap, 6,000 LB, Screwed Carbon Steel	23.50	10.70
23 21	13 23-1266	EA	3/4" Cap, 6,000 LB, Screwed Carbon Steel	29.25	12.06
23 21	13 23-1267	EA	1" Cap, 6,000 LB, Screwed Carbon Steel	32.10	13.42
23 21	13 23-1268	EA	1-1/2" Cap, 6,000 LB, Screwed Carbon Steel	56.44	17.07
23 21	13 23-1269	EA	2" Cap, 6,000 LB, Screwed Carbon Steel	69.21	21.82
23 21 13 23-1270 Nipples, Screwed Carbon Steel (23 21 13 23-1153)					
23 21	13 23-1271	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	21.32	12.33
23 21	13 23-1272	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	21.70	12.87
23 21	13 23-1273	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	21.54	12.87
23 21	13 23-1274	EA	1" Nipple, 2" Long, Screwed Carbon Steel	23.97	13.95
23 21	13 23-1275	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	27.30	15.04
23 21	13 23-1276	EA	2" Nipple, 2" Long, Screwed Carbon Steel	32.70	19.37
23 21	13 23-1277	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	22.50	12.33
23 21	13 23-1278	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	22.63	12.87
23 21	13 23-1279	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	22.60	12.87
23 21	13 23-1280	EA	1" Nipple, 4" Long, Screwed Carbon Steel	25.40	13.95
23 21	13 23-1281	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	29.85	15.04
23 21	13 23-1282	EA	2" Nipple, 4" Long, Screwed Carbon Steel	36.43	19.37
23 21	13 23-1283	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	25.32	12.33
23 21	13 23-1284	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	24.12	12.87
23 21	13 23-1285	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	24.26	12.87
23 21	13 23-1286	EA	1" Nipple, 6" Long, Screwed Carbon Steel	27.45	13.95
23 21	13 23-1287	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	33.33	15.04
23 21	13 23-1288	EA	2" Nipple, 6" Long, Screwed Carbon Steel	39.51	19.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1289 Unions, Screwed Carbon Steel <small>(23 21 13 23-1153)</small>		
23 21 13 23-1290 EA 1/4" Union, 3,000 LB, Screwed Carbon Steel	44.83	29.94
23 21 13 23-1291 EA 1/2" Union, 3,000 LB, Screwed Carbon Steel	47.18	30.07
23 21 13 23-1292 EA 3/4" Union, 3,000 LB, Screwed Carbon Steel	54.18	34.82
23 21 13 23-1293 EA 1" Union, 3,000 LB, Screwed Carbon Steel	64.61	41.06
23 21 13 23-1294 EA 1-1/2" Union, 3,000 LB, Screwed Carbon Steel	92.51	58.26
23 21 13 23-1295 EA 2" Union, 3,000 LB, Screwed Carbon Steel	114.84	72.35
23 21 13 23-1296 EA 1/4" Union, 6,000 LB, Screwed Carbon Steel	72.20	29.94
23 21 13 23-1297 EA 1/2" Union, 6,000 LB, Screwed Carbon Steel	80.27	30.07
23 21 13 23-1298 EA 3/4" Union, 6,000 LB, Screwed Carbon Steel	94.26	34.82
23 21 13 23-1299 EA 1" Union, 6,000 LB, Screwed Carbon Steel	114.00	41.06
23 21 13 23-1300 EA 1-1/2" Union, 6,000 LB, Screwed Carbon Steel	193.49	58.26
23 21 13 23-1301 EA 2" Union, 6,000 LB, Screwed Carbon Steel	239.12	72.35
23 21 13 23-1302 Weld Neck Flanges, Screwed Carbon Steel <small>(23 21 13 23-1153)</small>		
23 21 13 23-1303 EA 1/2" Flange, 150 LB, Screwed Carbon Steel	98.52	55.95
23 21 13 23-1304 EA 3/4" Flange, 150 LB, Screwed Carbon Steel	103.05	58.67
23 21 13 23-1305 EA 1" Flange, 150 LB, Screwed Carbon Steel	106.86	61.24
23 21 13 23-1306 EA 1-1/2" Flange, 150 LB, Screwed Carbon Steel	118.97	68.97
23 21 13 23-1307 EA 2" Flange, 150 LB, Screwed Carbon Steel	123.48	71.94
23 21 13 23-1308 EA 1/2" Flange, 300 LB, Screwed Carbon Steel	99.44	55.95
<i>For Ring Type Joint, Add</i>	15.48	
<i>For Blind Flange, Deduct</i>	-36.68	
23 21 13 23-1309 EA 3/4" Flange, 300 LB, Screwed Carbon Steel	104.03	58.67
<i>For Ring Type Joint, Add</i>	16.00	
<i>For Blind Flange, Deduct</i>	-38.41	
23 21 13 23-1310 EA 1" Flange, 300 LB, Screwed Carbon Steel	108.35	61.24
<i>For Ring Type Joint, Add</i>	16.51	
<i>For Blind Flange, Deduct</i>	-40.04	
23 21 13 23-1311 EA 1-1/2" Flange, 300 LB, Screwed Carbon Steel	122.53	68.97
<i>For Ring Type Joint, Add</i>	19.10	
<i>For Blind Flange, Deduct</i>	-45.19	
23 21 13 23-1312 EA 2" Flange, 300 LB, Screwed Carbon Steel	127.04	71.94
<i>For Ring Type Joint, Add</i>	19.10	
<i>For Blind Flange, Deduct</i>	-47.00	
23 21 13 23-1313 EA 1/2" Flange, 600 LB, Screwed Carbon Steel	105.53	55.95
<i>For Ring Type Joint, Add</i>	21.57	
<i>For Blind Flange, Deduct</i>	-37.90	
23 21 13 23-1314 EA 3/4" Flange, 600 LB, Screwed Carbon Steel	109.60	58.67
<i>For Ring Type Joint, Add</i>	21.57	
<i>For Blind Flange, Deduct</i>	-39.53	
23 21 13 23-1315 EA 1" Flange, 600 LB, Screwed Carbon Steel	114.39	61.24
<i>For Ring Type Joint, Add</i>	22.55	
<i>For Blind Flange, Deduct</i>	-41.25	
23 21 13 23-1316 EA 1-1/2" Flange, 600 LB, Screwed Carbon Steel	130.02	68.97
<i>For Ring Type Joint, Add</i>	26.59	
<i>For Blind Flange, Deduct</i>	-46.69	
23 21 13 23-1317 EA 2" Flange, 600 LB, Screwed Carbon Steel	132.69	71.94
<i>For Ring Type Joint, Add</i>	24.75	
<i>For Blind Flange, Deduct</i>	-48.13	
23 21 13 23-1318 Square Head Plugs, Screwed Carbon Steel <small>(23 21 13 23-1153)</small>		
23 21 13 23-1319 EA 1/4" Square Head Plug, Screwed Carbon Steel	7.03	3.79
23 21 13 23-1320 EA 1/2" Square Head Plug, Screwed Carbon Steel	8.43	4.48
23 21 13 23-1321 EA 3/4" Square Head Plug, Screwed Carbon Steel	9.76	5.15
23 21 13 23-1322 EA 1" Square Head Plug, Screwed Carbon Steel	14.24	7.58
23 21 13 23-1323 EA 1-1/2" Square Head Plug, Screwed Carbon Steel	17.84	7.58
23 21 13 23-1324 EA 2" Square Head Plug, Screwed Carbon Steel	25.60	9.89
23 21 13 23-1325 Hex Head Plugs, Screwed Carbon Steel <small>(23 21 13 23-1153)</small>		
23 21 13 23-1326 EA 1/4" Hex Head Plug, Screwed Carbon Steel	6.68	3.79
23 21 13 23-1327 EA 1/2" Hex Head Plug, Screwed Carbon Steel	8.10	4.48
23 21 13 23-1328 EA 3/4" Hex Head Plug, Screwed Carbon Steel	9.54	5.15
23 21 13 23-1329 EA 1" Hex Head Plug, Screwed Carbon Steel	14.05	7.58
23 21 13 23-1330 EA 1-1/2" Hex Head Plug, Screwed Carbon Steel	17.04	7.58
23 21 13 23-1331 EA 2" Hex Head Plug, Screwed Carbon Steel	26.16	9.89
23 21 13 23-1332 Round Head Plugs, Screwed Carbon Steel <small>(23 21 13 23-1153)</small>		
23 21 13 23-1333 EA 1/4" Round Head Plug, Screwed Carbon Steel	7.84	3.79
23 21 13 23-1334 EA 1/2" Round Head Plug, Screwed Carbon Steel	8.48	4.48
23 21 13 23-1335 EA 3/4" Round Head Plug, Screwed Carbon Steel	9.61	5.15
23 21 13 23-1336 EA 1" Round Head Plug, Screwed Carbon Steel	14.37	7.58
23 21 13 23-1337 EA 1-1/2" Round Head Plug, Screwed Carbon Steel	18.83	7.58
23 21 13 23-1338 EA 2" Round Head Plug, Screwed Carbon Steel	25.94	9.89
23 21 13 23-1339 Hexagon Bushings, Screwed Carbon Steel <small>(23 21 13 23-1153)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1340 EA 1/4" Hex Bushing, Screwed Carbon Steel.....	6.94	3.79
23 21 13 23-1341 EA 1/2" Hex Bushing, Screwed Carbon Steel.....	8.08	4.48
23 21 13 23-1342 EA 3/4" Hex Bushing, Screwed Carbon Steel.....	9.45	5.15
23 21 13 23-1343 EA 1" Hex Bushing, Screwed Carbon Steel.....	14.31	7.58
23 21 13 23-1344 EA 1-1/2" Hex Bushing, Screwed Carbon Steel.....	16.98	7.58
23 21 13 23-1345 EA 2" Hex Bushing, Screwed Carbon Steel.....	25.33	9.89
23 21 13 23-1346 90 Degree Street Elbows, Screwed Carbon Steel (23 21 13 23-1153)		
23 21 13 23-1347 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	43.85	20.60
23 21 13 23-1348 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	50.09	24.12
23 21 13 23-1349 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	58.39	26.97
23 21 13 23-1350 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	68.12	30.07
23 21 13 23-1351 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	106.79	38.48
23 21 13 23-1352 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	143.42	48.91
23 21 13 23-1353 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	68.79	24.12
23 21 13 23-1354 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	96.42	26.97
23 21 13 23-1355 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	131.76	30.07
23 21 13 23-1356 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	281.86	38.48
23 21 13 23-1357 Screwed Carbon Steel Laterals (23 21 13 23-1153)		
23 21 13 23-1358 EA 1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	174.00	30.07
23 21 13 23-1359 EA 3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	208.96	34.82
23 21 13 23-1360 EA 1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	255.40	41.06
23 21 13 23-1361 EA 1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	329.42	58.26
23 21 13 23-1362 EA 2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	410.91	72.35
23 21 13 23-1363 EA 1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	217.70	30.07
23 21 13 23-1364 EA 3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	273.94	34.82
23 21 13 23-1365 EA 1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	324.89	41.06
23 21 13 23-1366 EA 1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	457.16	58.26
23 21 13 23-1367 Grooved-Joint Pipe (23 21 13 23)		
Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1368 Schedule 10 Black Grooved Pipe (23 21 13 23-1367)		
23 21 13 23-1369 LF 2" Black Schedule 10 Grooved Pipe.....	34.35	17.21
23 21 13 23-1370 LF 2-1/2" Black Schedule 10 Grooved Pipe.....	46.54	23.58
23 21 13 23-1371 LF 3" Black Schedule 10 Grooved Pipe.....	52.12	26.15
23 21 13 23-1372 LF 3-1/2" Black Schedule 10 Grooved Pipe.....	57.22	27.10
23 21 13 23-1373 LF 4" Black Schedule 10 Grooved Pipe.....	60.99	29.40
23 21 13 23-1374 LF 5" Black Schedule 10 Grooved Pipe.....	83.73	36.04
23 21 13 23-1375 LF 6" Black Schedule 10 Grooved Pipe.....	110.03	51.22
23 21 13 23-1376 LF 8" Black Schedule 10 Grooved Pipe.....	144.90	57.45
23 21 13 23-1377 LF 10" Black Schedule 10 Grooved Pipe.....	180.46	69.24
23 21 13 23-1378 LF 12" Black Schedule 10 Grooved Pipe.....	207.57	78.45
23 21 13 23-1379 Schedule 40 Black Grooved Pipe (23 21 13 23-1367)		
23 21 13 23-1380 LF 3/4" Black Schedule 40 Grooved Pipe.....	20.65	10.43
23 21 13 23-1381 LF 1" Black Schedule 40 Grooved Pipe.....	23.31	11.79
23 21 13 23-1382 LF 1-1/4" Black Schedule 40 Grooved Pipe.....	26.24	12.73
23 21 13 23-1383 LF 1-1/2" Black Schedule 40 Grooved Pipe.....	29.86	14.49
23 21 13 23-1384 LF 2" Black Schedule 40 Grooved Pipe.....	37.73	18.43
23 21 13 23-1385 LF 2-1/2" Black Schedule 40 Grooved Pipe.....	52.34	25.21
23 21 13 23-1386 LF 3" Black Schedule 40 Grooved Pipe.....	61.34	28.73
23 21 13 23-1387 LF 4" Black Schedule 40 Grooved Pipe.....	73.81	31.97
23 21 13 23-1388 LF 5" Black Schedule 40 Grooved Pipe.....	99.37	38.88
23 21 13 23-1389 LF 6" Black Schedule 40 Grooved Pipe.....	135.29	56.09
23 21 13 23-1390 LF 8" Black Schedule 40 Grooved Pipe.....	174.93	63.55
23 21 13 23-1391 LF 10" Black Schedule 40 Grooved Pipe.....	236.01	75.88
23 21 13 23-1392 LF 12" Black Schedule 40 Grooved Pipe.....	277.03	87.12
23 21 13 23-1393 LF 14" Black Schedule 40 Grooved Pipe.....	366.81	117.74
23 21 13 23-1394 LF 16" Black Schedule 40 Grooved Pipe.....	426.36	138.47
23 21 13 23-1395 LF 18" Black Schedule 40 Grooved Pipe.....	527.67	168.14
23 21 13 23-1396 LF 20" Black Schedule 40 Grooved Pipe.....	609.45	196.05
23 21 13 23-1397 LF 24" Black Schedule 40 Grooved Pipe.....	787.61	235.35
23 21 13 23-1398 Schedule 80 Black Grooved Pipe (23 21 13 23-1367)		
23 21 13 23-1399 LF 3/4" Black Schedule 80 Grooved Pipe.....	22.61	11.39
23 21 13 23-1400 LF 1" Black Schedule 80 Grooved Pipe.....	24.88	12.06
23 21 13 23-1401 LF 1-1/4" Black Schedule 80 Grooved Pipe.....	28.87	13.42
23 21 13 23-1402 LF 1-1/2" Black Schedule 80 Grooved Pipe.....	32.77	15.04
23 21 13 23-1403 LF 2" Black Schedule 80 Grooved Pipe.....	42.37	19.37
23 21 13 23-1404 LF 2-1/2" Black Schedule 80 Grooved Pipe.....	59.36	26.69
23 21 13 23-1405 LF 3" Black Schedule 80 Grooved Pipe.....	70.02	29.94
23 21 13 23-1406 LF 4" Black Schedule 80 Grooved Pipe.....	85.79	32.65
23 21 13 23-1407 LF 5" Black Schedule 80 Grooved Pipe.....	127.21	41.06
23 21 13 23-1408 LF 6" Black Schedule 80 Grooved Pipe.....	167.91	58.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1409 LF 8" Black Schedule 80 Grooved Pipe	242.21	67.20
23 21 13 23-1410 LF 10" Black Schedule 80 Grooved Pipe	300.35	81.16
23 21 13 23-1411 LF 12" Black Schedule 80 Grooved Pipe	321.85	98.10
23 21 13 23-1412 Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1367)		
23 21 13 23-1413 LF 3/4" Galvanized Schedule 40 Grooved Pipe	21.77	10.43
23 21 13 23-1414 LF 1" Galvanized Schedule 40 Grooved Pipe	25.14	11.79
23 21 13 23-1415 LF 1-1/4" Galvanized Schedule 40 Grooved Pipe	27.92	12.73
23 21 13 23-1416 LF 1-1/2" Galvanized Schedule 40 Grooved Pipe	31.78	14.49
23 21 13 23-1417 LF 2" Galvanized Schedule 40 Grooved Pipe	40.24	18.43
23 21 13 23-1418 LF 2-1/2" Galvanized Schedule 40 Grooved Pipe	56.19	25.21
23 21 13 23-1419 LF 3" Galvanized Schedule 40 Grooved Pipe	66.37	28.73
23 21 13 23-1420 LF 4" Galvanized Schedule 40 Grooved Pipe	80.93	31.97
23 21 13 23-1421 LF 5" Galvanized Schedule 40 Grooved Pipe	111.99	38.88
23 21 13 23-1422 LF 6" Galvanized Schedule 40 Grooved Pipe	152.02	56.09
23 21 13 23-1423 LF 8" Galvanized Schedule 40 Grooved Pipe	198.87	63.55
23 21 13 23-1424 LF 10" Galvanized Schedule 40 Grooved Pipe	276.49	75.88
23 21 13 23-1425 LF 12" Galvanized Schedule 40 Grooved Pipe	325.88	87.12
23 21 13 23-1426 Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1367)		
23 21 13 23-1427 LF 3/4" Galvanized Schedule 80 Grooved Pipe	23.44	11.39
23 21 13 23-1428 LF 1" Galvanized Schedule 80 Grooved Pipe	29.78	12.06
23 21 13 23-1429 LF 1-1/4" Galvanized Schedule 80 Grooved Pipe	30.46	13.42
23 21 13 23-1430 LF 1-1/2" Galvanized Schedule 80 Grooved Pipe	39.39	15.99
23 21 13 23-1431 LF 2" Galvanized Schedule 80 Grooved Pipe	44.92	19.37
23 21 13 23-1432 LF 2-1/2" Galvanized Schedule 80 Grooved Pipe	63.35	26.69
23 21 13 23-1433 LF 3" Galvanized Schedule 80 Grooved Pipe	75.61	29.94
23 21 13 23-1434 LF 4" Galvanized Schedule 80 Grooved Pipe	93.76	32.65
23 21 13 23-1435 LF 5" Galvanized Schedule 80 Grooved Pipe	138.89	41.06
23 21 13 23-1436 LF 6" Galvanized Schedule 80 Grooved Pipe	181.59	58.80
23 21 13 23-1437 LF 8" Galvanized Schedule 80 Grooved Pipe	265.66	67.20
23 21 13 23-1438 LF 10" Galvanized Schedule 80 Grooved Pipe	316.49	81.16
23 21 13 23-1439 LF 12" Galvanized Schedule 80 Grooved Pipe	349.91	98.10
23 21 13 23-1440 Painted Grooved-Joint Pipe Fittings (23 21 13 23)		
Note: Couplings are not included with fittings.		
23 21 13 23-1441 Grooved Elbows (23 21 13 23-1440)		
23 21 13 23-1442 90 Degree Grooved Elbows (23 21 13 23-1441)		
Note: Victaulic No. 10		
23 21 13 23-1443 EA 3/4", Ductile Iron, Grooved 90 Degree Elbow	89.75	14.77
<i>For Galvanized Fittings, Add</i>		22.31
23 21 13 23-1444 EA 1", Ductile Iron, Grooved 90 Degree Elbow	89.75	14.77
<i>For Galvanized Fittings, Add</i>		22.31
23 21 13 23-1445 EA 1-1/4", Ductile Iron, Grooved 90 Degree Elbow	95.28	18.43
<i>For Galvanized Fittings, Add</i>		22.31
23 21 13 23-1446 EA 1-1/2", Ductile Iron, Grooved 90 Degree Elbow	101.15	22.36
<i>For Galvanized Fittings, Add</i>		22.31
23 21 13 23-1447 EA 2", Ductile Iron, Grooved 90 Degree Elbow	111.89	29.54
<i>For Galvanized Fittings, Add</i>		22.31
23 21 13 23-1448 EA 2-1/2", Ductile Iron, Grooved 90 Degree Elbow	121.55	36.04
<i>For Galvanized Fittings, Add</i>		22.31
23 21 13 23-1449 EA 3", Ductile Iron, Grooved 90 Degree Elbow	185.50	43.63
<i>For Galvanized Fittings, Add</i>		39.64
23 21 13 23-1450 EA 4", Ductile Iron, Grooved 90 Degree Elbow	217.13	57.58
<i>For Galvanized Fittings, Add</i>		43.17
23 21 13 23-1451 EA 5", Ductile Iron, Grooved 90 Degree Elbow	426.33	71.94
<i>For Galvanized Fittings, Add</i>		105.09
23 21 13 23-1452 EA 6", Ductile Iron, Grooved 90 Degree Elbow	511.24	94.16
<i>For Galvanized Fittings, Add</i>		122.14
23 21 13 23-1453 EA 8", Ductile Iron, Grooved 90 Degree Elbow	946.97	112.05
<i>For Galvanized Fittings, Add</i>		257.05
23 21 13 23-1454 EA 10", Ductile Iron, Grooved 90 Degree Elbow	1,409.62	130.74
<i>For Galvanized Fittings, Add</i>		400.49
23 21 13 23-1455 EA 12", Ductile Iron, Grooved 90 Degree Elbow	2,180.44	156.89
<i>For Galvanized Fittings, Add</i>		641.92
23 21 13 23-1456 EA 14", Steel, Grooved 90 Degree Elbow	4,310.91	177.08
<i>For Galvanized Fittings, Add</i>		1,334.97
23 21 13 23-1457 EA 16", Steel, Grooved 90 Degree Elbow	5,587.38	196.05
<i>For Galvanized Fittings, Add</i>		1,746.82
23 21 13 23-1458 EA 18", Steel, Grooved 90 Degree Elbow	7,034.65	214.20
<i>For Galvanized Fittings, Add</i>		2,215.47
23 21 13 23-1459 EA 20", Steel, Grooved 90 Degree Elbow	9,156.34	222.74
<i>For Galvanized Fittings, Add</i>		2,911.36
23 21 13 23-1460 EA 24", Steel, Grooved 90 Degree Elbow	13,090.28	263.39
<i>For Galvanized Fittings, Add</i>		4,189.52

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1461		45 Degree Grooved Elbows (23 21 13 23-1441) Note: Victaulic No. 11		
23 21 13 23-1462	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	89.71 16.22	14.77
23 21 13 23-1463	EA	1", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	89.71 16.22	14.77
23 21 13 23-1464	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	95.24 16.22	18.43
23 21 13 23-1465	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	101.11 16.22	22.36
23 21 13 23-1466	EA	2", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	111.85 16.22	29.54
23 21 13 23-1467	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	121.51 16.22	36.04
23 21 13 23-1468	EA	3", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	185.45 28.82	43.63
23 21 13 23-1469	EA	4", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	217.13 31.40	57.58
23 21 13 23-1470	EA	5", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	426.33 76.43	71.94
23 21 13 23-1471	EA	6", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	511.24 88.83	94.16
23 21 13 23-1472	EA	8", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	946.97 186.95	112.05
23 21 13 23-1473	EA	10", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,409.62 291.26	130.74
23 21 13 23-1474	EA	12", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,180.44 466.85	156.89
23 21 13 23-1475	EA	14", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	4,310.91 970.88	177.08
23 21 13 23-1476	EA	16", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	5,587.38 1,270.41	196.05
23 21 13 23-1477	EA	18", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	7,034.65 1,611.25	214.20
23 21 13 23-1478	EA	20", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	9,156.94 2,117.35	223.15
23 21 13 23-1479	EA	24", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	13,090.28 3,046.92	263.39
23 21 13 23-1480		22-1/2 Degree Grooved Elbows (23 21 13 23-1441) Note: Victaulic No. 12		
23 21 13 23-1481	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	94.16 17.28	14.77
23 21 13 23-1482	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	99.69 17.28	18.43
23 21 13 23-1483	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	105.56 17.28	22.36
23 21 13 23-1484	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	116.30 17.28	29.54
23 21 13 23-1485	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	125.96 17.28	36.04
23 21 13 23-1486	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	170.71 25.28	43.63
23 21 13 23-1487	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	227.54 33.90	57.58
23 21 13 23-1488	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	545.86 105.12	71.94
23 21 13 23-1489	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	541.25 96.03	94.16
23 21 13 23-1490	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,005.20 200.92	112.05
23 21 13 23-1491	EA	10", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,345.36 275.84	130.74
23 21 13 23-1492	EA	12", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,789.04 372.91	156.89
23 21 13 23-1493	EA	14", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,060.25 430.73	177.08
23 21 13 23-1494	EA	16", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,446.49 516.60	196.05
23 21 13 23-1495	EA	18", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,927.91 625.64	214.20
23 21 13 23-1496	EA	20", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,416.00 739.67	222.74
23 21 13 23-1497	EA	24", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	4,536.26 993.96	263.39
23 21 13 23-1498		11-1/4 Degree Grooved Elbows (23 21 13 23-1441) Note: Victaulic No. 13		
23 21 13 23-1499	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	94.16 17.28	14.77
23 21 13 23-1500	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	99.69 17.28	18.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1501 EA 1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	105.56	22.36
For Galvanized Fittings, Add	17.28	
23 21 13 23-1502 EA 2", Ductile Iron, Grooved 11-1/4 Degree Elbow	116.30	29.54
For Galvanized Fittings, Add	17.28	
23 21 13 23-1503 EA 2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	125.96	36.04
For Galvanized Fittings, Add	17.28	
23 21 13 23-1504 EA 3", Ductile Iron, Grooved 11-1/4 Degree Elbow	170.70	43.63
For Galvanized Fittings, Add	25.28	
23 21 13 23-1505 EA 4", Ductile Iron, Grooved 11-1/4 Degree Elbow	227.53	57.58
For Galvanized Fittings, Add	33.90	
23 21 13 23-1506 EA 5", Ductile Iron, Grooved 11-1/4 Degree Elbow	545.84	71.94
For Galvanized Fittings, Add	105.11	
23 21 13 23-1507 EA 6", Ductile Iron, Grooved 11-1/4 Degree Elbow	541.23	94.16
For Galvanized Fittings, Add	96.02	
23 21 13 23-1508 EA 8", Ductile Iron, Grooved 11-1/4 Degree Elbow	1,005.15	112.05
For Galvanized Fittings, Add	200.91	
23 21 13 23-1509 EA 10", Steel, Grooved 11-1/4 Degree Elbow	1,345.30	130.74
For Galvanized Fittings, Add	275.83	
23 21 13 23-1510 EA 12", Steel, Grooved 11-1/4 Degree Elbow	1,788.95	156.89
For Galvanized Fittings, Add	372.89	
23 21 13 23-1511 EA 14", Steel, Grooved 11-1/4 Degree Elbow	2,060.16	177.08
For Galvanized Fittings, Add	430.70	
23 21 13 23-1512 EA 16", Steel, Grooved 11-1/4 Degree Elbow	2,446.41	196.19
For Galvanized Fittings, Add	516.57	
23 21 13 23-1513 EA 18", Steel, Grooved 11-1/4 Degree Elbow	2,927.74	214.20
For Galvanized Fittings, Add	625.60	
23 21 13 23-1514 EA 20", Steel, Grooved 11-1/4 Degree Elbow	3,415.82	222.74
For Galvanized Fittings, Add	739.63	
23 21 13 23-1515 EA 24", Steel, Grooved 11-1/4 Degree Elbow	4,536.03	263.39
For Galvanized Fittings, Add	993.90	
23 21 13 23-1516 90 Degree Grooved Long Radius Elbows <small>(23 21 13 23-1441)</small>		
Note: Victaulic No. 100		
23 21 13 23-1517 EA 2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	198.86	29.54
For Galvanized Fittings, Add	37.10	
23 21 13 23-1518 EA 2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	502.47	36.04
For Galvanized Fittings, Add	107.65	
23 21 13 23-1519 EA 3", Ductile Iron, Grooved 90 Degree Long Radius Elbow	219.96	43.63
For Galvanized Fittings, Add	37.10	
23 21 13 23-1520 EA 4", Ductile Iron, Grooved 90 Degree Long Radius Elbow	317.86	57.58
For Galvanized Fittings, Add	55.57	
23 21 13 23-1521 EA 5", Ductile Iron, Grooved 90 Degree Long Radius Elbow	1,294.75	71.94
For Galvanized Fittings, Add	284.85	
23 21 13 23-1522 EA 6", Ductile Iron, Grooved 90 Degree Long Radius Elbow	818.53	94.16
For Galvanized Fittings, Add	162.58	
23 21 13 23-1523 EA 8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow	1,792.87	112.05
For Galvanized Fittings, Add	389.96	
23 21 13 23-1524 EA 10", Ductile Iron, Grooved 90 Degree Long Radius Elbow	3,565.02	130.74
For Galvanized Fittings, Add	808.56	
23 21 13 23-1525 EA 12", Ductile Iron, Grooved 90 Degree Long Radius Elbow	4,252.77	156.89
For Galvanized Fittings, Add	964.21	
23 21 13 23-1526 Grooved Tees, Wyes And Crosses <small>(23 21 13 23-1440)</small>		
23 21 13 23-1527 Grooved Tees <small>(23 21 13 23-1526)</small>		
Note: Victaulic No. 20		
23 21 13 23-1528 EA 3/4", Ductile Iron, Grooved Tee.....	132.45	19.37
For Galvanized Fittings, Add	31.00	
23 21 13 23-1529 EA 1", Ductile Iron, Grooved Tee.....	136.86	22.36
For Galvanized Fittings, Add	31.00	
23 21 13 23-1530 EA 1-1/4", Ductile Iron, Grooved Tee	144.32	27.37
For Galvanized Fittings, Add	31.00	
23 21 13 23-1531 EA 1-1/2", Ductile Iron, Grooved Tee	153.63	33.60
For Galvanized Fittings, Add	31.00	
23 21 13 23-1532 EA 2", Ductile Iron, Grooved Tee.....	168.44	43.49
For Galvanized Fittings, Add	31.00	
23 21 13 23-1533 EA 2-1/2", Ductile Iron, Grooved Tee	183.22	53.25
For Galvanized Fittings, Add	31.00	
23 21 13 23-1534 EA 3", Ductile Iron, Grooved Tee.....	242.79	65.44
For Galvanized Fittings, Add	43.42	
23 21 13 23-1535 EA 4", Ductile Iron, Grooved Tee.....	348.92	84.68
For Galvanized Fittings, Add	66.60	
23 21 13 23-1536 EA 5", Ductile Iron, Grooved Tee.....	686.83	110.70
For Galvanized Fittings, Add	156.26	
23 21 13 23-1537 EA 6", Ductile Iron, Grooved Tee.....	809.54	138.47
For Galvanized Fittings, Add	180.60	
23 21 13 23-1538 EA 8", Ductile Iron, Grooved Tee.....	1,567.00	168.14
For Galvanized Fittings, Add	394.49	
23 21 13 23-1539 EA 10", Ductile Iron, Grooved Tee.....	2,642.20	196.05
For Galvanized Fittings, Add	704.45	
23 21 13 23-1540 EA 12", Ductile Iron, Grooved Tee.....	3,640.28	235.35
For Galvanized Fittings, Add	986.24	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1541 EA 14", Steel, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	3,978.35 1,075.89	261.49
23 21 13 23-1542 EA 16", Steel, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	4,962.55 1,370.48	262.98
23 21 13 23-1543 EA 18", Steel, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	6,155.89 1,716.31	290.08
23 21 13 23-1544 EA 20", Steel, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	8,639.01 2,459.18	294.69
23 21 13 23-1545 EA 24", Steel, Grooved Tee..... <i>For Galvanized Fittings, Add</i>	13,137.60 3,778.43	362.03
23 21 13 23-1546 Grooved Wyes (90 Degree True Wye) <small>(23 21 13 23-1526)</small> Note: Victaulic No. 33		
23 21 13 23-1547 EA 1", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	469.48 69.75	22.36
23 21 13 23-1548 EA 1-1/4", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	476.94 69.75	27.37
23 21 13 23-1549 EA 1-1/2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	486.25 69.75	33.60
23 21 13 23-1550 EA 2", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	501.06 69.75	43.49
23 21 13 23-1551 EA 2-1/2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	515.84 69.75	53.25
23 21 13 23-1552 EA 3", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	619.16 83.38	65.44
23 21 13 23-1553 EA 4", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	809.45 109.21	84.68
23 21 13 23-1554 EA 5", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	1,144.28 156.53	110.70
23 21 13 23-1555 EA 6", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	1,418.02 193.68	138.47
23 21 13 23-1556 EA 8", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	1,995.42 278.94	168.14
23 21 13 23-1557 EA 10", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	3,303.11 481.45	196.05
23 21 13 23-1558 EA 12", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	3,677.17 531.89	235.35
23 21 13 23-1559 EA 14", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	4,188.07 607.36	261.49
23 21 13 23-1560 EA 16", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	5,324.41 788.89	262.71
23 21 13 23-1561 EA 18", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	6,075.33 902.39	290.35
23 21 13 23-1562 EA 20", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	8,620.90 1,308.78	294.14
23 21 13 23-1563 EA 24", Steel, Grooved Wye..... <i>For Galvanized Fittings, Add</i>	13,260.22 2,034.78	362.03
23 21 13 23-1564 Grooved Crosses <small>(23 21 13 23-1526)</small> Note: Victaulic No. 35		
23 21 13 23-1565 EA 3/4", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	325.93 42.34	29.13
23 21 13 23-1566 EA 1", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	332.55 42.34	33.60
23 21 13 23-1567 EA 1-1/4", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	402.13 51.10	41.06
23 21 13 23-1568 EA 1-1/2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	442.53 55.06	50.40
23 21 13 23-1569 EA 2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	305.11 31.12	65.17
23 21 13 23-1570 EA 2-1/2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	327.30 31.12	79.94
23 21 13 23-1571 EA 3", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	519.85 55.91	98.10
23 21 13 23-1572 EA 4", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	810.86 93.07	126.95
23 21 13 23-1573 EA 5", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	1,516.55 190.14	165.98
23 21 13 23-1574 EA 6", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	1,942.24 244.64	207.71
23 21 13 23-1575 EA 8", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	2,525.96 322.19	252.14
23 21 13 23-1576 EA 10", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	4,104.43 549.51	294.14
23 21 13 23-1577 EA 12", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	5,815.81 792.98	353.08
23 21 13 23-1578 EA 14", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	6,065.21 821.57	392.24
23 21 13 23-1579 EA 16", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	7,756.43 1,074.75	394.54
23 21 13 23-1580 EA 18", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	9,434.85 1,317.39	435.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1581 EA 20", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	13,104.92 1,866.37	441.83
23 21 13 23-1582 EA 24", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	20,022.62 2,881.26	543.03
23 21 13 23-1583 Grooved Reducing Tees (23 21 13 23-1526) Note: Victaulic No. 25		
23 21 13 23-1584 EA 1", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	232.89 39.87	22.36
23 21 13 23-1585 EA 1-1/4", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	246.62 41.12	27.37
23 21 13 23-1586 EA 1-1/2", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	261.05 42.15	33.60
23 21 13 23-1587 EA 2", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	311.84 49.34	43.49
23 21 13 23-1588 EA 2-1/2", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	352.00 54.42	53.25
23 21 13 23-1589 EA 3", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	395.89 59.57	65.44
23 21 13 23-1590 EA 4", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	528.58 80.33	84.68
23 21 13 23-1591 EA 5", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	696.33 106.07	110.70
23 21 13 23-1592 EA 6", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	953.65 149.22	138.47
23 21 13 23-1593 EA 8", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	1,483.09 246.21	168.14
23 21 13 23-1594 EA 10", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	2,108.88 362.97	196.05
23 21 13 23-1595 EA 12", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	3,030.04 535.44	235.35
23 21 13 23-1596 EA 14", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	3,432.78 608.15	261.49
23 21 13 23-1597 EA 16", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	4,344.16 789.97	262.98
23 21 13 23-1598 EA 18", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	5,270.41 967.12	290.08
23 21 13 23-1599 EA 20", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	7,357.38 1,383.15	294.55
23 21 13 23-1600 EA 24", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	11,682.70 2,227.98	362.03
23 21 13 23-1601 Grooved 45 Degree Lateral Wyes (23 21 13 23-1526) Note: Victaulic No. 30		
23 21 13 23-1602 EA 3/4", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	441.97 74.31	19.37
23 21 13 23-1603 EA 1", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	446.38 74.31	22.36
23 21 13 23-1604 EA 1-1/4", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	453.84 74.31	27.37
23 21 13 23-1605 EA 1-1/2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	463.15 74.31	33.60
23 21 13 23-1606 EA 2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	477.96 74.31	43.49
23 21 13 23-1607 EA 2-1/2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	492.74 74.31	53.25
23 21 13 23-1608 EA 3", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	454.71 64.20	65.44
23 21 13 23-1609 EA 3-1/2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	717.31 108.77	75.46
23 21 13 23-1610 EA 4", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	830.28 126.61	84.68
23 21 13 23-1611 EA 5", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	1,193.91 185.03	110.70
23 21 13 23-1612 EA 6", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	1,863.75 298.12	138.47
23 21 13 23-1613 EA 8", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	2,637.57 429.40	168.14
23 21 13 23-1614 EA 10", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	3,661.16 606.09	196.05
23 21 13 23-1615 EA 12", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	4,423.86 732.79	235.35
23 21 13 23-1616 EA 14", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	6,333.97 1,069.55	261.49
23 21 13 23-1617 EA 16", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	7,817.39 1,336.15	262.98
23 21 13 23-1618 EA 18", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	8,732.90 1,493.66	290.08
23 21 13 23-1619 EA 20", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	13,028.43 2,265.63	294.55
23 21 13 23-1620 EA 24", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	20,101.79 3,520.61	362.03

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1621 Grooved 45 Degree Lateral Reducing Wyes <small>(23 21 13 23-1626)</small>		
Note: Victaulic No. 30R		
23 21 13 23-1622 EA 3", Steel, Grooved 45 Degree Lateral Reducing Wye.....	454.71	65.44
For Galvanized Fittings, Add	46.36	
23 21 13 23-1623 EA 4", Steel, Grooved 45 Degree Lateral Reducing Wye.....	830.28	84.68
For Galvanized Fittings, Add	91.44	
23 21 13 23-1624 EA 5", Steel, Grooved 45 Degree Lateral Reducing Wye.....	1,193.91	110.70
For Galvanized Fittings, Add	133.63	
23 21 13 23-1625 EA 6", Steel, Grooved 45 Degree Lateral Reducing Wye.....	1,535.66	138.47
For Galvanized Fittings, Add	172.65	
23 21 13 23-1626 EA 8", Steel, Grooved 45 Degree Lateral Reducing Wye.....	2,169.27	168.14
For Galvanized Fittings, Add	249.24	
23 21 13 23-1627 EA 10", Steel, Grooved 45 Degree Lateral Reducing Wye.....	2,642.11	196.05
For Galvanized Fittings, Add	305.25	
23 21 13 23-1628 EA 12", Steel, Grooved 45 Degree Lateral Reducing Wye.....	3,206.34	235.35
For Galvanized Fittings, Add	370.96	
23 21 13 23-1629 EA 14", Steel, Grooved 45 Degree Lateral Reducing Wye.....	3,588.69	261.49
For Galvanized Fittings, Add	415.56	
23 21 13 23-1630 EA 16", Steel, Grooved 45 Degree Lateral Reducing Wye.....	4,526.27	262.98
For Galvanized Fittings, Add	537.15	
23 21 13 23-1631 EA 18", Steel, Grooved 45 Degree Lateral Reducing Wye.....	6,779.44	290.08
For Galvanized Fittings, Add	824.80	
23 21 13 23-1632 EA 20", Steel, Grooved 45 Degree Lateral Reducing Wye.....	9,728.48	294.55
For Galvanized Fittings, Add	1,207.29	
23 21 13 23-1633 EA 24", Steel, Grooved 45 Degree Lateral Reducing Wye.....	15,578.61	362.03
For Galvanized Fittings, Add	1,954.65	
23 21 13 23-1634 Mechanical-T Outlet <small>(23 21 13 23-1626)</small>		
Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21 13 23-1635 EA 2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	166.21	48.77
For Galvanized Fittings, Add	17.03	
23 21 13 23-1636 EA 2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	166.21	48.77
For Galvanized Fittings, Add	17.03	
23 21 13 23-1637 EA 2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	176.92	48.77
For Galvanized Fittings, Add	19.68	
23 21 13 23-1638 EA 2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	176.92	48.77
23 21 13 23-1639 EA 2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	178.40	54.88
23 21 13 23-1640 EA 2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	178.40	54.88
23 21 13 23-1641 EA 2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	206.69	54.88
23 21 13 23-1642 EA 3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	201.00	60.97
23 21 13 23-1643 EA 3" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	201.00	60.97
23 21 13 23-1644 EA 3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	223.78	60.97
23 21 13 23-1645 EA 3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	223.78	60.97
23 21 13 23-1646 EA 3" x 2" Mechanical-T Outlet With Threaded Branch Outlet.....	239.38	60.97
23 21 13 23-1647 EA 4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	263.39	81.29
23 21 13 23-1648 EA 4" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	263.39	81.29
23 21 13 23-1649 EA 4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	281.18	81.29
23 21 13 23-1650 EA 4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	286.17	81.29
23 21 13 23-1651 EA 4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	286.17	81.29
23 21 13 23-1652 EA 4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	291.16	81.29
23 21 13 23-1653 EA 4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	300.73	81.29
23 21 13 23-1654 EA 5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	375.33	111.77
23 21 13 23-1655 EA 5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	375.33	111.77
23 21 13 23-1656 EA 5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	383.96	111.77
23 21 13 23-1657 EA 5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	394.78	111.77
23 21 13 23-1658 EA 6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	439.83	142.26
23 21 13 23-1659 EA 6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	439.83	142.26
23 21 13 23-1660 EA 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	452.52	142.26
23 21 13 23-1661 EA 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	463.23	142.26
23 21 13 23-1662 EA 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	482.27	142.26
23 21 13 23-1663 EA 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	651.48	188.32
23 21 13 23-1664 EA 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	651.48	188.32
23 21 13 23-1665 EA 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	666.77	188.32
23 21 13 23-1666 EA 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	675.82	188.32
23 21 13 23-1667 Installation-Ready™ Grooved Fittings <small>(23 21 13 23-1440)</small>		
23 21 13 23-1668 Installation-Ready™ 90 Degree Grooved Elbows <small>(23 21 13 23-1667)</small>		
Note: Victaulic No. 101		
23 21 13 23-1669 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow.....	258.48	13.42
For Galvanized Fittings, Add	78.59	
For Galvanized Fittings, Add	60.97	
23 21 13 23-1670 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow.....	269.55	16.09
For Galvanized Fittings, Add	80.90	
For Galvanized Fittings, Add	62.76	
23 21 13 23-1671 EA 2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow.....	279.43	21.46
For Galvanized Fittings, Add	81.48	
For Galvanized Fittings, Add	63.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1672 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	338.33	26.82
For Galvanized Fittings, Add	98.24	
For Galvanized Fittings, Add	76.21	
23 21 13 23-1673 Installation-Ready™ 45 Degree Grooved Elbows (23 21 13 23-1667)		
Note: Victaulic No. 103		
23 21 13 23-1674 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	258.48	13.42
For Galvanized Fittings, Add	57.16	
For Galvanized Fittings, Add	60.97	
23 21 13 23-1675 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	269.55	16.09
For Galvanized Fittings, Add	58.84	
For Galvanized Fittings, Add	62.76	
23 21 13 23-1676 EA 2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	279.43	21.46
For Galvanized Fittings, Add	59.26	
For Galvanized Fittings, Add	63.21	
23 21 13 23-1677 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	338.33	26.82
For Galvanized Fittings, Add	71.45	
For Galvanized Fittings, Add	76.21	
23 21 13 23-1678 Installation-Ready™ Grooved Tees (23 21 13 23-1667)		
Note: Victaulic No. 102		
23 21 13 23-1679 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	394.84	17.88
For Galvanized Fittings, Add	110.32	
For Galvanized Fittings, Add	94.14	
23 21 13 23-1680 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	412.52	21.46
For Galvanized Fittings, Add	114.00	
For Galvanized Fittings, Add	97.28	
23 21 13 23-1681 EA 2" Ductile Iron, Grooved, Installation-Ready™ Tee.....	428.61	28.61
For Galvanized Fittings, Add	115.58	
For Galvanized Fittings, Add	98.62	
23 21 13 23-1682 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	498.98	35.77
For Galvanized Fittings, Add	133.44	
For Galvanized Fittings, Add	113.87	
23 21 13 23-1683 Grooved Fittings (23 21 13 23-1440)		
23 21 13 23-1684 Flanged Adapter Nipple, Grooved (23 21 13 23-1683)		
Note: Victaulic No. 41 and 45		
23 21 13 23-1685 EA 1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	314.93	16.25
For Galvanized Fittings, Add	52.30	
For 300 LB Rating, Add	43.58	
23 21 13 23-1686 EA 1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	317.64	18.02
For Galvanized Fittings, Add	52.30	
For 300 LB Rating, Add	43.58	
23 21 13 23-1687 EA 1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	324.42	22.63
For Galvanized Fittings, Add	52.30	
For 300 LB Rating, Add	43.58	
23 21 13 23-1688 EA 2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	338.67	32.11
For Galvanized Fittings, Add	52.30	
For 300 LB Rating, Add	43.58	
23 21 13 23-1689 EA 2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	348.85	38.88
For Galvanized Fittings, Add	52.30	
For 300 LB Rating, Add	43.58	
23 21 13 23-1690 EA 3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	441.35	46.47
For Galvanized Fittings, Add	66.92	
For 300 LB Rating, Add	55.76	
23 21 13 23-1691 EA 4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	537.16	62.59
For Galvanized Fittings, Add	79.80	
For 300 LB Rating, Add	66.50	
23 21 13 23-1692 EA 5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	747.08	75.74
For Galvanized Fittings, Add	114.04	
For 300 LB Rating, Add	95.03	
23 21 13 23-1693 EA 6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	876.22	102.29
For Galvanized Fittings, Add	130.11	
For 300 LB Rating, Add	108.42	
23 21 13 23-1694 EA 8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,205.29	138.47
For Galvanized Fittings, Add	179.59	
For 300 LB Rating, Add	149.66	
23 21 13 23-1695 EA 10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,880.18	168.14
For Galvanized Fittings, Add	293.07	
For 300 LB Rating, Add	244.22	
23 21 13 23-1696 EA 12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,520.23	196.05
For Galvanized Fittings, Add	400.72	
For 300 LB Rating, Add	333.93	
23 21 13 23-1697 EA 14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,978.13	235.35
For Galvanized Fittings, Add	472.55	
For 300 LB Rating, Add	393.80	
23 21 13 23-1698 EA 16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,435.05	261.49
For Galvanized Fittings, Add	727.74	
For 300 LB Rating, Add	606.45	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1699 EA 18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,336.91	392.24
For Galvanized Fittings, Add	854.79	
For 300 LB Rating, Add	712.33	
23 21 13 23-1700 EA 20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,655.50	470.68
For Galvanized Fittings, Add	890.97	
For 300 LB Rating, Add	742.48	
23 21 13 23-1701 EA 24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	9,323.16	522.98
For Galvanized Fittings, Add	1,537.04	
For 300 LB Rating, Add	1,280.86	
23 21 13 23-1702 Grooved Concentric Reducers (23 21 13 23-1683)		
Note: Victaulic No. 50		
23 21 13 23-1703 EA 1-1/4" x 3/4", Grooved Concentric Reducer	334.27	16.25
For Galvanized Fittings, Add	13.63	
23 21 13 23-1704 EA 1-1/4" x 1", Grooved Concentric Reducer	349.59	17.21
For Galvanized Fittings, Add	14.25	
23 21 13 23-1705 EA 1-1/2" x 3/4", Grooved Concentric Reducer	393.54	18.56
For Galvanized Fittings, Add	43.96	
23 21 13 23-1706 EA 1-1/2" x 1", Grooved Concentric Reducer	107.45	19.37
For Galvanized Fittings, Add	9.41	
23 21 13 23-1707 EA 1-1/2" x 1-1/4", Grooved Concentric Reducer	333.65	20.33
For Galvanized Fittings, Add	36.44	
23 21 13 23-1708 EA 2" x 3/4", Grooved Concentric Reducer	111.51	22.09
For Galvanized Fittings, Add	9.41	
23 21 13 23-1709 EA 2" x 1", Grooved Concentric Reducer	112.87	23.03
For Galvanized Fittings, Add	9.41	
23 21 13 23-1710 EA 2" x 1-1/4", Grooved Concentric Reducer	122.10	23.98
For Galvanized Fittings, Add	10.36	
23 21 13 23-1711 EA 2" x 1-1/2", Grooved Concentric Reducer	118.37	26.69
For Galvanized Fittings, Add	9.41	
23 21 13 23-1712 EA 2-1/2" x 3/4", Grooved Concentric Reducer	674.84	24.93
For Galvanized Fittings, Add	76.62	
23 21 13 23-1713 EA 2-1/2" x 1", Grooved Concentric Reducer	538.77	25.88
For Galvanized Fittings, Add	60.11	
23 21 13 23-1714 EA 2-1/2" x 1-1/4", Grooved Concentric Reducer	492.72	26.69
For Galvanized Fittings, Add	54.41	
23 21 13 23-1715 EA 2-1/2" x 1-1/2", Grooved Concentric Reducer	122.35	29.40
For Galvanized Fittings, Add	9.41	
23 21 13 23-1716 EA 2-1/2" x 2", Grooved Concentric Reducer	127.76	32.92
For Galvanized Fittings, Add	9.41	
23 21 13 23-1717 EA 3" x 3/4", Grooved Concentric Reducer	685.01	29.00
For Galvanized Fittings, Add	97.52	
23 21 13 23-1718 EA 3" x 1", Grooved Concentric Reducer	131.15	29.81
For Galvanized Fittings, Add	13.15	
23 21 13 23-1719 EA 3" x 1-1/4", Grooved Concentric Reducer	542.98	30.76
For Galvanized Fittings, Add	75.54	
23 21 13 23-1720 EA 3" x 1-1/2", Grooved Concentric Reducer	511.22	32.92
For Galvanized Fittings, Add	70.19	
23 21 13 23-1721 EA 3" x 2", Grooved Concentric Reducer	123.57	36.58
For Galvanized Fittings, Add	10.44	
23 21 13 23-1722 EA 3" x 2-1/2", Grooved Concentric Reducer	160.05	43.63
For Galvanized Fittings, Add	14.39	
23 21 13 23-1723 EA 3-1/2" x 3", Grooved Concentric Reducer	171.33	47.01
For Galvanized Fittings, Add	15.33	
23 21 13 23-1724 EA 4" x 1", Grooved Concentric Reducer	159.53	36.99
For Galvanized Fittings, Add	17.83	
23 21 13 23-1725 EA 4" x 1-1/4", Grooved Concentric Reducer	878.96	37.94
For Galvanized Fittings, Add	140.98	
23 21 13 23-1726 EA 4" x 1-1/2", Grooved Concentric Reducer	688.77	40.24
For Galvanized Fittings, Add	107.78	
23 21 13 23-1727 EA 4" x 2", Grooved Concentric Reducer	157.19	43.89
For Galvanized Fittings, Add	15.69	
23 21 13 23-1728 EA 4" x 2-1/2", Grooved Concentric Reducer	185.11	47.01
For Galvanized Fittings, Add	19.66	
23 21 13 23-1729 EA 4" x 3", Grooved Concentric Reducer	190.52	50.67
For Galvanized Fittings, Add	19.66	
23 21 13 23-1730 EA 4" x 3-1/2", Grooved Concentric Reducer	195.95	54.19
For Galvanized Fittings, Add	19.66	
23 21 13 23-1731 EA 5" x 2", Grooved Concentric Reducer	1,233.43	51.07
For Galvanized Fittings, Add	198.40	
23 21 13 23-1732 EA 5" x 2-1/2", Grooved Concentric Reducer	978.89	54.19
For Galvanized Fittings, Add	153.93	
23 21 13 23-1733 EA 5" x 3", Grooved Concentric Reducer	220.92	57.85
For Galvanized Fittings, Add	23.02	
23 21 13 23-1734 EA 5" x 4", Grooved Concentric Reducer	257.83	65.03
For Galvanized Fittings, Add	27.49	
23 21 13 23-1735 EA 6" x 1", Grooved Concentric Reducer	295.80	55.15
For Galvanized Fittings, Add	39.77	
23 21 13 23-1736 EA 6" x 1-1/2", Grooved Concentric Reducer	1,303.75	58.26
For Galvanized Fittings, Add	226.97	
23 21 13 23-1737 EA 6" x 2", Grooved Concentric Reducer	305.93	61.92
For Galvanized Fittings, Add	39.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1738 EA 6" x 2-1/2", Grooved Concentric Reducer	1,320.86	65.03
For Galvanized Fittings, Add	228.27	
23 21 13 23-1739 EA 6" x 3", Grooved Concentric Reducer	316.12	68.70
For Galvanized Fittings, Add	39.77	
23 21 13 23-1740 EA 6" x 4", Grooved Concentric Reducer	299.44	75.88
For Galvanized Fittings, Add	34.64	
23 21 13 23-1741 EA 6" x 5", Grooved Concentric Reducer	399.27	83.19
For Galvanized Fittings, Add	51.24	
23 21 13 23-1742 EA 8" x 3", Grooved Concentric Reducer	497.38	77.77
For Galvanized Fittings, Add	71.07	
23 21 13 23-1743 EA 8" x 4", Grooved Concentric Reducer	508.19	84.95
For Galvanized Fittings, Add	71.07	
23 21 13 23-1744 EA 8" x 5", Grooved Concentric Reducer	519.06	92.13
For Galvanized Fittings, Add	71.07	
23 21 13 23-1745 EA 8" x 6", Grooved Concentric Reducer	640.13	102.97
For Galvanized Fittings, Add	90.63	
23 21 13 23-1746 EA 10" x 4", Grooved Concentric Reducer	1,048.40	94.43
For Galvanized Fittings, Add	169.21	
23 21 13 23-1747 EA 10" x 5", Grooved Concentric Reducer	2,151.33	101.62
For Galvanized Fittings, Add	372.99	
23 21 13 23-1748 EA 10" x 6", Grooved Concentric Reducer	1,160.31	112.46
For Galvanized Fittings, Add	185.04	
23 21 13 23-1749 EA 10" x 8", Grooved Concentric Reducer	1,173.84	121.53
For Galvanized Fittings, Add	185.04	
23 21 13 23-1750 EA 12" x 4", Grooved Concentric Reducer	3,163.02	107.58
For Galvanized Fittings, Add	450.27	
23 21 13 23-1751 EA 12" x 6", Grooved Concentric Reducer	1,371.02	125.59
For Galvanized Fittings, Add	177.41	
23 21 13 23-1752 EA 12" x 8", Grooved Concentric Reducer	1,978.50	134.68
For Galvanized Fittings, Add	266.50	
23 21 13 23-1753 EA 12" x 10", Grooved Concentric Reducer	1,992.80	144.16
For Galvanized Fittings, Add	266.50	
23 21 13 23-1754 EA 14" x 6", Grooved Concentric Reducer	6,231.07	135.35
For Galvanized Fittings, Add	185.06	
23 21 13 23-1755 EA 14" x 8", Grooved Concentric Reducer	3,754.85	144.43
For Galvanized Fittings, Add	108.63	
23 21 13 23-1756 EA 14" x 10", Grooved Concentric Reducer	3,218.26	153.92
For Galvanized Fittings, Add	91.72	
23 21 13 23-1757 EA 14" x 12", Grooved Concentric Reducer	3,237.86	166.92
For Galvanized Fittings, Add	91.72	
23 21 13 23-1758 EA 16" x 8", Grooved Concentric Reducer	5,682.65	154.05
For Galvanized Fittings, Add	167.36	
23 21 13 23-1759 EA 16" x 10", Grooved Concentric Reducer	5,285.58	163.53
For Galvanized Fittings, Add	154.74	
23 21 13 23-1760 EA 16" x 12", Grooved Concentric Reducer	4,902.04	176.68
For Galvanized Fittings, Add	142.36	
23 21 13 23-1761 EA 16" x 14", Grooved Concentric Reducer	4,916.68	186.43
For Galvanized Fittings, Add	142.36	
23 21 13 23-1762 EA 18" x 10", Grooved Concentric Reducer	7,376.08	172.61
For Galvanized Fittings, Add	218.50	
23 21 13 23-1763 EA 18" x 12", Grooved Concentric Reducer	6,695.68	185.62
For Galvanized Fittings, Add	197.01	
23 21 13 23-1764 EA 18" x 14", Grooved Concentric Reducer	6,102.61	195.38
For Galvanized Fittings, Add	178.35	
23 21 13 23-1765 EA 18" x 16", Grooved Concentric Reducer	6,117.24	205.26
For Galvanized Fittings, Add	178.35	
23 21 13 23-1766 EA 20" x 10", Grooved Concentric Reducer	8,111.08	177.08
For Galvanized Fittings, Add	240.86	
23 21 13 23-1767 EA 20" x 12", Grooved Concentric Reducer	6,974.08	190.23
For Galvanized Fittings, Add	205.35	
23 21 13 23-1768 EA 20" x 14", Grooved Concentric Reducer	6,988.72	199.98
For Galvanized Fittings, Add	205.35	
23 21 13 23-1769 EA 20" x 16", Grooved Concentric Reducer	6,248.48	209.60
For Galvanized Fittings, Add	182.18	
23 21 13 23-1770 EA 20" x 18", Grooved Concentric Reducer	6,656.07	218.68
For Galvanized Fittings, Add	194.27	
23 21 13 23-1771 EA 24" x 10", Grooved Concentric Reducer	17,778.21	196.99
For Galvanized Fittings, Add	536.73	
23 21 13 23-1772 EA 24" x 12", Grooved Concentric Reducer	17,375.74	210.14
For Galvanized Fittings, Add	523.76	
23 21 13 23-1773 EA 24" x 14", Grooved Concentric Reducer	15,162.48	219.76
For Galvanized Fittings, Add	455.37	
23 21 13 23-1774 EA 24" x 16", Grooved Concentric Reducer	15,177.21	229.65
For Galvanized Fittings, Add	455.37	
23 21 13 23-1775 EA 24" x 18", Grooved Concentric Reducer	13,018.47	238.59
For Galvanized Fittings, Add	388.69	
23 21 13 23-1776 EA 24" x 20", Grooved Concentric Reducer	11,903.91	243.20
For Galvanized Fittings, Add	354.26	
23 21 13 23-1777 Grooved Eccentric Reducers (23 21 13 23-1688)		
Note: Victaulic No. 51		
23 21 13 23-1778 EA 1-1/2" x 3/4", Grooved Eccentric Reducer	406.16	18.56
For Galvanized Fittings, Add	45.48	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1779	EA	1-1/2" x 1", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	370.68 41.05	19.37
23 21	13 23-1780	EA	1-1/2" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	364.59 40.16	20.33
23 21	13 23-1781	EA	2" x 3/4", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	768.43 88.38	22.09
23 21	13 23-1782	EA	2" x 1", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	411.69 45.33	23.03
23 21	13 23-1783	EA	2" x 1-1/4", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	449.37 49.70	23.98
23 21	13 23-1784	EA	2" x 1-1/2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	386.15 41.60	26.69
23 21	13 23-1785	EA	2-1/2" x 3/4", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	997.14 115.36	24.93
23 21	13 23-1786	EA	2-1/2" x 1", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	932.88 107.48	25.88
23 21	13 23-1787	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	559.35 62.42	26.69
23 21	13 23-1788	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	455.52 49.46	29.40
23 21	13 23-1789	EA	2-1/2" x 2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	215.20 19.92	32.92
23 21	13 23-1790	EA	3" x 1", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,003.79 115.29	29.81
23 21	13 23-1791	EA	3" x 1-1/4", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	914.33 104.37	30.76
23 21	13 23-1792	EA	3" x 1-1/2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	525.39 57.21	32.92
23 21	13 23-1793	EA	3" x 2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	245.35 22.90	36.58
23 21	13 23-1794	EA	3" x 2-1/2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	255.86 22.90	43.63
23 21	13 23-1795	EA	3-1/2" x 3", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,124.27 126.67	47.01
23 21	13 23-1796	EA	4" x 1", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,999.70 333.42	36.99
23 21	13 23-1797	EA	4" x 1-1/2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,236.11 201.65	40.24
23 21	13 23-1798	EA	4" x 2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	298.63 39.94	43.89
23 21	13 23-1799	EA	4" x 2-1/2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	303.38 39.94	47.01
23 21	13 23-1800	EA	4" x 3", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	308.79 39.94	50.67
23 21	13 23-1801	EA	5" x 2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,373.11 222.36	51.07
23 21	13 23-1802	EA	5" x 2-1/2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,185.93 189.44	54.19
23 21	13 23-1803	EA	5" x 3", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,153.68 182.98	57.85
23 21	13 23-1804	EA	5" x 4", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	414.79 54.40	65.03
23 21	13 23-1805	EA	6" x 1", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,098.21 376.10	55.15
23 21	13 23-1806	EA	6" x 2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,930.89 342.99	61.92
23 21	13 23-1807	EA	6" x 2-1/2", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,286.31 408.42	65.03
23 21	13 23-1808	EA	6" x 3", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	525.33 78.81	68.70
23 21	13 23-1809	EA	6" x 4", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	483.51 68.98	75.88
23 21	13 23-1810	EA	6" x 5", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	568.13 82.75	83.19
23 21	13 23-1811	EA	8" x 3", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,252.19 398.52	77.77
23 21	13 23-1812	EA	8" x 4", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,993.78 348.28	84.95
23 21	13 23-1813	EA	8" x 5", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,875.94 324.26	92.13
23 21	13 23-1814	EA	8" x 6", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	904.07 139.88	102.97
23 21	13 23-1815	EA	10" x 4", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	3,566.59 639.10	94.43
23 21	13 23-1816	EA	10" x 5", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	3,379.28 602.13	101.62
23 21	13 23-1817	EA	10" x 6", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,602.03 454.06	112.46
23 21	13 23-1818	EA	10" x 8", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,241.73 384.31	121.53
23 21	13 23-1819	EA	12" x 4", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	3,643.83 525.53	107.58
23 21	13 23-1820	EA	12" x 6", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	3,439.02 490.54	125.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1821 EA 12" x 8", Grooved Eccentric Reducer.....	3,369.41	134.68
For Galvanized Fittings, Add	477.98	
23 21 13 23-1822 EA 12" x 10", Grooved Eccentric Reducer.....	3,053.34	144.16
For Galvanized Fittings, Add	428.13	
23 21 13 23-1823 EA 14" x 6", Grooved Eccentric Reducer.....	8,405.13	135.35
For Galvanized Fittings, Add	251.81	
23 21 13 23-1824 EA 14" x 8", Grooved Eccentric Reducer.....	5,460.40	144.43
For Galvanized Fittings, Add	160.99	
23 21 13 23-1825 EA 14" x 10", Grooved Eccentric Reducer.....	5,222.53	153.92
For Galvanized Fittings, Add	153.25	
23 21 13 23-1826 EA 14" x 12", Grooved Eccentric Reducer.....	5,242.13	166.92
For Galvanized Fittings, Add	153.25	
23 21 13 23-1827 EA 16" x 8", Grooved Eccentric Reducer.....	9,289.32	154.05
For Galvanized Fittings, Add	278.09	
23 21 13 23-1828 EA 16" x 10", Grooved Eccentric Reducer.....	8,615.79	163.53
For Galvanized Fittings, Add	256.97	
23 21 13 23-1829 EA 16" x 12", Grooved Eccentric Reducer.....	8,130.12	176.68
For Galvanized Fittings, Add	241.46	
23 21 13 23-1830 EA 16" x 14", Grooved Eccentric Reducer.....	8,144.76	186.43
For Galvanized Fittings, Add	241.46	
23 21 13 23-1831 EA 18" x 10", Grooved Eccentric Reducer.....	11,643.49	172.61
For Galvanized Fittings, Add	349.51	
23 21 13 23-1832 EA 18" x 12", Grooved Eccentric Reducer.....	10,968.58	185.62
For Galvanized Fittings, Add	328.19	
23 21 13 23-1833 EA 18" x 14", Grooved Eccentric Reducer.....	10,005.61	195.38
For Galvanized Fittings, Add	298.18	
23 21 13 23-1834 EA 18" x 16", Grooved Eccentric Reducer.....	10,020.24	205.26
For Galvanized Fittings, Add	298.18	
23 21 13 23-1835 EA 20" x 10", Grooved Eccentric Reducer.....	15,267.82	177.08
For Galvanized Fittings, Add	460.57	
23 21 13 23-1836 EA 20" x 12", Grooved Eccentric Reducer.....	11,382.20	190.23
For Galvanized Fittings, Add	340.68	
23 21 13 23-1837 EA 20" x 14", Grooved Eccentric Reducer.....	10,703.09	199.98
For Galvanized Fittings, Add	319.38	
23 21 13 23-1838 EA 20" x 16", Grooved Eccentric Reducer.....	10,549.21	209.60
For Galvanized Fittings, Add	314.21	
23 21 13 23-1839 EA 20" x 18", Grooved Eccentric Reducer.....	10,170.76	218.68
For Galvanized Fittings, Add	302.18	
23 21 13 23-1840 EA 24" x 12", Grooved Eccentric Reducer.....	22,032.91	210.14
For Galvanized Fittings, Add	666.74	
23 21 13 23-1841 EA 24" x 14", Grooved Eccentric Reducer.....	18,839.30	219.76
For Galvanized Fittings, Add	568.25	
23 21 13 23-1842 EA 24" x 16", Grooved Eccentric Reducer.....	18,854.03	229.65
For Galvanized Fittings, Add	568.25	
23 21 13 23-1843 EA 24" x 18", Grooved Eccentric Reducer.....	17,816.77	238.59
For Galvanized Fittings, Add	535.99	
23 21 13 23-1844 EA 24" x 20", Grooved Eccentric Reducer.....	16,296.94	243.20
For Galvanized Fittings, Add	489.12	
23 21 13 23-1845 Close Nipple, Grooved (23 21 13 23-1843)		
Note: Victaulic No. 143		
23 21 13 23-1846 EA 1-1/4" Ductile Iron, Grooved, Close Nipple	66.21	17.88
For Galvanized Fittings, Add	7.04	
For 300 LB Rating, Add	5.87	
For Galvanized Fittings, Add	10.01	
23 21 13 23-1847 EA 1-1/2" Ductile Iron, Grooved, Close Nipple	76.49	22.36
For Galvanized Fittings, Add	7.67	
For 300 LB Rating, Add	6.39	
For Galvanized Fittings, Add	10.91	
23 21 13 23-1848 EA 2" Ductile Iron, Grooved, Close Nipple.....	96.08	29.51
For Galvanized Fittings, Add	9.25	
For 300 LB Rating, Add	7.71	
For Galvanized Fittings, Add	13.15	
23 21 13 23-1849 EA 2-1/2" Ductile Iron, Grooved, Close Nipple	114.90	35.77
For Galvanized Fittings, Add	10.93	
For 300 LB Rating, Add	9.11	
For Galvanized Fittings, Add	15.54	
23 21 13 23-1850 Grooved Couplings (23 21 13 23-1440)		
23 21 13 23-1851 Flexible Grooved Coupling (23 21 13 23-1850)		
Note: Victaulic Style 77		
23 21 13 23-1852 EA 3/4" Grooved Standard Coupling	40.12	7.31
For Galvanized Fittings, Add	8.13	
23 21 13 23-1853 EA 1" Grooved Standard Coupling	40.12	7.31
For Galvanized Fittings, Add	8.13	
23 21 13 23-1854 EA 1-1/4" Grooved Standard Coupling	52.47	9.21
For Galvanized Fittings, Add	10.82	
23 21 13 23-1855 EA 1-1/2" Grooved Standard Coupling	58.76	10.97
For Galvanized Fittings, Add	11.82	
23 21 13 23-1856 EA 2" Grooved Standard Coupling	66.77	14.77
For Galvanized Fittings, Add	12.50	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1857 EA 2-1/2" Grooved Standard Coupling	80.38	18.02
For Galvanized Fittings, Add	14.95	
23 21 13 23-1858 EA 3" Grooved Standard Coupling	85.62	21.54
For Galvanized Fittings, Add	14.95	
23 21 13 23-1859 EA 3-1/2" Grooved Standard Coupling	123.91	25.21
For Galvanized Fittings, Add	24.10	
23 21 13 23-1860 EA 4" Grooved Standard Coupling	129.21	28.73
For Galvanized Fittings, Add	24.10	
23 21 13 23-1861 EA 5" Grooved Standard Coupling	185.88	36.04
For Galvanized Fittings, Add	36.94	
23 21 13 23-1862 EA 6" Grooved Standard Coupling	226.53	47.01
For Galvanized Fittings, Add	43.67	
23 21 13 23-1863 EA 8" Grooved Standard Coupling	338.23	56.09
For Galvanized Fittings, Add	71.18	
23 21 13 23-1864 EA 10" Grooved Standard Coupling	523.33	67.20
For Galvanized Fittings, Add	118.31	
23 21 13 23-1865 EA 12" Grooved Standard Coupling	591.33	73.57
For Galvanized Fittings, Add	134.70	
23 21 13 23-1866 EA 14" Grooved Standard Coupling	731.44	98.10
For Galvanized Fittings, Add	163.64	
23 21 13 23-1867 EA 16" Grooved Standard Coupling	943.00	117.74
For Galvanized Fittings, Add	214.64	
23 21 13 23-1868 EA 18" Grooved Standard Coupling	1,093.79	130.74
For Galvanized Fittings, Add	251.38	
23 21 13 23-1869 EA 20" Grooved Standard Coupling	1,632.86	147.14
For Galvanized Fittings, Add	395.46	
23 21 13 23-1870 EA 24" Grooved Standard Coupling	1,820.26	181.01
For Galvanized Fittings, Add	433.68	
23 21 13 23-1871 Zero-Flex® Rigid Coupling (23 21 13 23-1850)		
Note: Victaulic Style 07		
23 21 13 23-1872 EA 1" Grooved Rigid Coupling.....	51.47	7.31
For Galvanized Fittings, Add	9.90	
23 21 13 23-1873 EA 1-1/4" Grooved Rigid Coupling	54.24	9.21
For Galvanized Fittings, Add	9.90	
23 21 13 23-1874 EA 1-1/2" Grooved Rigid Coupling	56.93	10.97
For Galvanized Fittings, Add	9.90	
23 21 13 23-1875 EA 2" Grooved Rigid Coupling.....	63.57	14.77
For Galvanized Fittings, Add	10.15	
23 21 13 23-1876 EA 2-1/2" Grooved Rigid Coupling	74.74	18.02
For Galvanized Fittings, Add	11.70	
23 21 13 23-1877 EA 3" Grooved Rigid Coupling.....	79.98	21.54
For Galvanized Fittings, Add	11.70	
23 21 13 23-1878 EA 3-1/2" Grooved Rigid Coupling	93.66	25.21
For Galvanized Fittings, Add	13.67	
23 21 13 23-1879 EA 4" Grooved Rigid Coupling.....	122.24	28.73
For Galvanized Fittings, Add	19.38	
23 21 13 23-1880 EA 5" Grooved Rigid Coupling.....	156.66	36.04
For Galvanized Fittings, Add	25.17	
23 21 13 23-1881 EA 6" Grooved Rigid Coupling.....	207.87	47.01
For Galvanized Fittings, Add	33.64	
23 21 13 23-1882 EA 8" Grooved Rigid Coupling.....	300.31	56.09
For Galvanized Fittings, Add	53.00	
23 21 13 23-1883 EA 10" Grooved Rigid Coupling.....	488.41	67.20
For Galvanized Fittings, Add	94.96	
23 21 13 23-1884 EA 12" Grooved Rigid Coupling.....	544.00	73.57
For Galvanized Fittings, Add	106.27	
23 21 13 23-1885 EA 14" Grooved Rigid Coupling.....	713.69	98.10
For Galvanized Fittings, Add	138.83	
23 21 13 23-1886 EA 16" Grooved Rigid Coupling.....	915.49	117.74
For Galvanized Fittings, Add	181.07	
23 21 13 23-1887 EA 18" Grooved Rigid Coupling.....	1,050.39	130.74
For Galvanized Fittings, Add	209.32	
23 21 13 23-1888 EA 20" Grooved Rigid Coupling.....	1,237.71	147.14
For Galvanized Fittings, Add	249.21	
23 21 13 23-1889 EA 24" Grooved Rigid Coupling.....	1,769.67	181.01
For Galvanized Fittings, Add	367.07	
23 21 13 23-1890 Large Diameter Grooved Coupling (23 21 13 23-1850)		
Note: Victaulic Style 770		
23 21 13 23-1891 EA 28" Grooved Coupling.....	1,851.80	36.04
For Galvanized Fittings, Add	251.70	
23 21 13 23-1892 EA 30" Grooved Coupling.....	2,140.47	47.01
For Galvanized Fittings, Add	289.79	
23 21 13 23-1893 EA 32" Grooved Coupling.....	3,183.80	56.09
For Galvanized Fittings, Add	433.97	
23 21 13 23-1894 EA 36" Grooved Coupling.....	4,230.50	67.20
For Galvanized Fittings, Add	578.16	
23 21 13 23-1895 EA 42" Grooved Coupling.....	8,462.18	73.57
For Galvanized Fittings, Add	1,169.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1896 Flexible Coupling <small>(23 21 13 23-1850)</small>		
<i>Note: Victaulic Style 75</i>		
23 21 13 23-1897 EA 1-1/2" Grooved Flexible Coupling	53.25	10.97
<i>For Galvanized Fittings, Add</i>	<i>9.40</i>	
23 21 13 23-1898 EA 2" Grooved Flexible Coupling	59.80	14.77
<i>For Galvanized Fittings, Add</i>	<i>9.64</i>	
23 21 13 23-1899 EA 2-1/2" Grooved Flexible Coupling	70.63	18.02
<i>For Galvanized Fittings, Add</i>	<i>11.18</i>	
23 21 13 23-1900 EA 3" Grooved Flexible Coupling	82.97	21.54
<i>For Galvanized Fittings, Add</i>	<i>12.99</i>	
23 21 13 23-1901 EA 3-1/2" Grooved Flexible Coupling	109.75	25.21
<i>For Galvanized Fittings, Add</i>	<i>18.41</i>	
23 21 13 23-1902 EA 4" Grooved Flexible Coupling	115.05	28.73
<i>For Galvanized Fittings, Add</i>	<i>18.41</i>	
23 21 13 23-1903 EA 5" Grooved Flexible Coupling	157.69	36.04
<i>For Galvanized Fittings, Add</i>	<i>26.56</i>	
23 21 13 23-1904 EA 6" Grooved Flexible Coupling	195.55	47.01
<i>For Galvanized Fittings, Add</i>	<i>31.99</i>	
23 21 13 23-1905 EA 8" Grooved Flexible Coupling	280.45	56.09
<i>For Galvanized Fittings, Add</i>	<i>50.29</i>	
23 21 13 23-1906 Installation-Ready™ Coupling <small>(23 21 13 23-1850)</small>		
<i>Note: Victaulic Style 009N</i>		
23 21 13 23-1907 EA 1-1/4" Ductile Iron, Installation-Ready™ Coupling	79.27	6.84
<i>For Galvanized Fittings, Add</i>	<i>17.64</i>	
23 21 13 23-1908 EA 1-1/2" Ductile Iron, Installation-Ready™ Coupling	82.72	8.18
<i>For Galvanized Fittings, Add</i>	<i>18.00</i>	
23 21 13 23-1909 EA 2" Ductile Iron, Installation-Ready™ Coupling	96.21	11.00
<i>For Galvanized Fittings, Add</i>	<i>20.36</i>	
23 21 13 23-1910 EA 2-1/2" Ductile Iron, Installation-Ready™ Coupling	111.81	13.33
<i>For Galvanized Fittings, Add</i>	<i>23.45</i>	
23 21 13 23-1911 EA 3" Ductile Iron, Installation-Ready™ Coupling	127.94	16.00
<i>For Galvanized Fittings, Add</i>	<i>26.54</i>	
23 21 13 23-1912 EA 4" Ductile Iron, Installation-Ready™ Coupling	177.98	21.37
<i>For Galvanized Fittings, Add</i>	<i>37.27</i>	
23 21 13 23-1913 EA 5" Ductile Iron, Installation-Ready™ Coupling	278.66	26.73
<i>For Galvanized Fittings, Add</i>	<i>60.97</i>	
23 21 13 23-1914 EA 6" Ductile Iron, Installation-Ready™ Coupling	337.54	34.96
<i>For Galvanized Fittings, Add</i>	<i>72.85</i>	
23 21 13 23-1915 EA 8" Ductile Iron, Installation-Ready™ Coupling	538.43	41.58
<i>For Galvanized Fittings, Add</i>	<i>121.71</i>	
23 21 13 23-1916 Grooved Strainers And Suction Diffusers <small>(23 21 13 23-1440)</small>		
23 21 13 23-1917 Grooved Wye Strainers <small>(23 21 13 23-1916)</small>		
<i>Note: Victaulic Style 732</i>		
23 21 13 23-1918 EA 2" Grooved Wye Strainer	2,089.46	29.81
23 21 13 23-1919 EA 2-1/2" Grooved Wye Strainer	2,202.21	36.18
23 21 13 23-1920 EA 3" Grooved Wye Strainer	2,478.25	43.36
23 21 13 23-1921 EA 4" Grooved Wye Strainer	2,817.51	57.85
23 21 13 23-1922 EA 5" Grooved Wye Strainer	4,064.23	72.35
23 21 13 23-1923 EA 6" Grooved Wye Strainer	4,436.25	94.03
23 21 13 23-1924 EA 8" Grooved Wye Strainer	6,752.64	112.05
23 21 13 23-1925 EA 10" Grooved Wye Strainer	10,781.11	131.01
23 21 13 23-1926 EA 12" Grooved Wye Strainer	18,726.52	157.30
23 21 13 23-1927 Grooved Tee Type Strainers <small>(23 21 13 23-1916)</small>		
<i>Note: Victaulic Style 730</i>		
23 21 13 23-1928 EA 1-1/2" Grooved Tee Type Strainer	1,611.77	22.63
23 21 13 23-1929 EA 2" Grooved Tee Type Strainer	2,064.22	29.81
23 21 13 23-1930 EA 2-1/2" Grooved Tee Type Strainer	2,175.98	36.18
23 21 13 23-1931 EA 3" Grooved Tee Type Strainer	2,448.61	43.36
23 21 13 23-1932 EA 4" Grooved Tee Type Strainer	2,783.90	57.85
23 21 13 23-1933 EA 5" Grooved Tee Type Strainer	4,015.31	72.35
23 21 13 23-1934 EA 6" Grooved Tee Type Strainer	4,383.50	94.03
23 21 13 23-1935 EA 8" Grooved Tee Type Strainer	6,670.97	112.05
23 21 13 23-1936 EA 10" Grooved Tee Type Strainer	9,747.38	131.01
23 21 13 23-1937 EA 12" Grooved Tee Type Strainer	12,530.42	157.30
23 21 13 23-1938 EA 14" Grooved Tee Type Strainer	44,089.94	177.08
23 21 13 23-1939 EA 16" Grooved Tee Type Strainer	54,761.24	196.05
23 21 13 23-1940 EA 18" Grooved Tee Type Strainer	71,961.39	214.20
23 21 13 23-1941 Grooved Suction Diffuser <small>(23 21 13 23-1916)</small>		
<i>Note: Victaulic Style 731</i>		
23 21 13 23-1942 EA 2-1/2" Grooved x 2" Flanged Suction Diffuser	4,243.60	33.46
23 21 13 23-1943 EA 3" Grooved x 2" Flanged Suction Diffuser	4,505.69	36.99
23 21 13 23-1944 EA 3" Grooved x 2-1/2" Flanged Suction Diffuser	3,264.39	43.36
23 21 13 23-1945 EA 3" Grooved x 3" Flanged Suction Diffuser	3,312.00	47.01

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1946 EA 4" Grooved x 2-1/2" Flanged Suction Diffuser.....	3,585.55	47.01
23 21 13 23-1947 EA 4" Grooved x 3" Flanged Suction Diffuser.....	3,868.32	50.67
23 21 13 23-1948 EA 4" Grooved x 4" Flanged Suction Diffuser.....	4,468.39	50.67
23 21 13 23-1949 EA 5" Grooved x 4" Flanged Suction Diffuser.....	4,993.35	65.03
23 21 13 23-1950 EA 5" Grooved x 5" Flanged Suction Diffuser.....	5,247.20	68.70
23 21 13 23-1951 EA 6" Grooved x 4" Flanged Suction Diffuser.....	5,333.76	75.88
23 21 13 23-1952 EA 6" Grooved x 5" Flanged Suction Diffuser.....	6,368.97	83.19
23 21 13 23-1953 EA 6" Grooved x 6" Flanged Suction Diffuser.....	6,616.29	88.61
23 21 13 23-1954 EA 8" Grooved x 5" Flanged Suction Diffuser.....	6,789.47	92.13
23 21 13 23-1955 EA 8" Grooved x 6" Flanged Suction Diffuser.....	7,168.16	102.97
23 21 13 23-1956 EA 8" Grooved x 8" Flanged Suction Diffuser.....	12,237.74	112.05
23 21 13 23-1957 EA 10" Grooved x 8" Flanged Suction Diffuser.....	13,801.39	121.13
23 21 13 23-1958 EA 10" Grooved x 10" Flanged Suction Diffuser.....	16,599.50	125.59
23 21 13 23-1959 EA 12" Grooved x 10" Flanged Suction Diffuser.....	19,641.91	144.56
23 21 13 23-1960 EA 12" Grooved x 12" Flanged Suction Diffuser.....	27,250.40	153.65
23 21 13 23-1961 EA 14" Grooved x 10" Flanged Suction Diffuser.....	25,377.41	153.65
23 21 13 23-1962 EA 14" Grooved x 12" Flanged Suction Diffuser.....	28,340.92	167.19
23 21 13 23-1963 EA 14" Grooved x 14" Flanged Suction Diffuser.....	34,377.23	177.08
23 21 13 23-1964 EA 16" Grooved x 14" Flanged Suction Diffuser.....	35,393.40	186.16
23 21 13 23-1965 Grooved Steel Valves (23 21 13 23-1440)		
23 21 13 23-1966 Grooved Butterfly Valves With Standard Trim (23 21 13 23-1965)		
23 21 13 23-1967 EA 1-1/2" Butterfly Valve, Grooved, With Standard Trim.....	294.35	14.77
23 21 13 23-1968 EA 2" Butterfly Valve, Grooved, With Standard Trim.....	301.34	19.37
23 21 13 23-1969 EA 3" Butterfly Valve, Grooved, With Standard Trim.....	493.59	28.73
23 21 13 23-1970 EA 4" Butterfly Valve, Grooved, With Standard Trim.....	662.77	37.80
23 21 13 23-1971 EA 6" Butterfly Valve, Grooved, With Standard Trim.....	1,440.93	61.92
23 21 13 23-1972 EA 8" Butterfly Valve, Grooved, With Standard Trim.....	1,997.25	87.12
23 21 13 23-1973 EA 10" Butterfly Valve, Grooved, With Standard Trim.....	2,995.72	117.74
23 21 13 23-1974 Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-1965)		
23 21 13 23-1975 EA 1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	440.17	14.77
23 21 13 23-1976 EA 2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	447.16	19.37
23 21 13 23-1977 EA 3" Butterfly Valve, Grooved, With Stainless Steel Trim.....	691.26	28.73
23 21 13 23-1978 EA 4" Butterfly Valve, Grooved, With Stainless Steel Trim.....	879.89	37.80
23 21 13 23-1979 EA 6" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,680.73	61.92
23 21 13 23-1980 EA 8" Butterfly Valve, Grooved, With Stainless Steel Trim.....	2,787.95	87.12
23 21 13 23-1981 EA 10" Butterfly Valve, Grooved, With Stainless Steel Trim.....	4,389.16	117.74
23 21 13 23-1982 Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1965)		
Note: Victaulic No. 721		
23 21 13 23-1983 EA 1-1/2" Ball Valve, Grooved, With Standard Trim.....	249.02	14.49
23 21 13 23-1984 EA 2" Ball Valve, Grooved, With Standard Trim.....	285.98	19.91
23 21 13 23-1985 EA 2-1/2" Ball Valve, Grooved, With Standard Trim.....	647.19	24.39
23 21 13 23-1986 EA 3" Ball Valve, Grooved, With Standard Trim.....	1,058.14	28.86
23 21 13 23-1987 EA 4" Ball Valve, Grooved, With Standard Trim.....	1,645.83	37.94
23 21 13 23-1988 EA 6" Ball Valve, Grooved, With Standard Trim.....	5,101.56	62.33
23 21 13 23-1989 Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-1965)		
Note: Victaulic No. 721		
23 21 13 23-1990 EA 1-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	264.99	14.49
23 21 13 23-1991 EA 2" Ball Valve, Grooved, With Stainless Steel Trim.....	451.77	19.91
23 21 13 23-1992 EA 2-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	1,169.96	24.39
23 21 13 23-1993 EA 3" Ball Valve, Grooved, With Stainless Steel Trim.....	1,512.19	28.86
23 21 13 23-1994 EA 4" Ball Valve, Grooved, With Stainless Steel Trim.....	2,065.42	37.94
23 21 13 23-1995 EA 6" Ball Valve, Grooved, With Stainless Steel Trim.....	5,621.49	62.33
23 21 13 23-1996 Grooved Check Valves (23 21 13 23-1965)		
Note: Victaulic No. 712		
23 21 13 23-1997 EA 2" Check Valve, Grooved.....	377.25	19.91
23 21 13 23-1998 EA 2-1/2" Check Valve, Grooved.....	610.33	24.39
23 21 13 23-1999 EA 3" Check Valve, Grooved.....	711.25	28.86
23 21 13 23-2000 EA 4" Check Valve, Grooved.....	1,007.34	37.94
23 21 13 23-2001 Grooved Vic-Check Check Valves (23 21 13 23-1965)		
Note: Victaulic No. 716		
23 21 13 23-2002 EA 2-1/2" "Vic-Check" Check Valve, Grooved.....	489.09	24.39
23 21 13 23-2003 EA 3" "Vic-Check" Check Valve, Grooved.....	495.68	28.86
23 21 13 23-2004 EA 4" "Vic-Check" Check Valve, Grooved.....	621.70	37.94
23 21 13 23-2005 EA 6" "Vic-Check" Check Valve, Grooved.....	1,208.62	62.33
23 21 13 23-2006 EA 8" "Vic-Check" Check Valve, Grooved.....	1,654.17	86.71
23 21 13 23-2007 EA 10" "Vic-Check" Check Valve, Grooved.....	4,588.10	117.47
23 21 13 23-2008 EA 12" "Vic-Check" Check Valve, Grooved.....	5,432.14	135.62



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 21	13 23-2009		Grooved Plug Valves With Lever Operator <small>(23 21 13 23-1965)</small>		
				Note: Victaulic No. 377		
	23 21	13 23-2010	EA	3" Balancing Plug Valve, Grooved, With Lever Handle.....	603.17	28.86
	23 21	13 23-2011	EA	4" Balancing Plug Valve, Grooved, With Lever Handle.....	673.03	37.94
	23 21	13 23-2012	EA	6" Balancing Plug Valve, Grooved, With Lever Handle.....	1,198.11	62.33
	23 21	13 23-2013		Grooved Plug Valve With Gear Operator <small>(23 21 13 23-1965)</small>		
				Note: Victaulic No. 377		
	23 21	13 23-2014	EA	3" Balancing Plug Valve, Grooved, With Gear Operator.....	1,054.83	28.86
	23 21	13 23-2015	EA	4" Balancing Plug Valve, Grooved, With Gear Operator.....	1,124.72	37.94
	23 21	13 23-2016	EA	6" Balancing Plug Valve, Grooved, With Gear Operator.....	1,649.81	62.33
	23 21	13 23-2017	EA	8" Balancing Plug Valve, Grooved, With Gear Operator.....	2,208.93	86.71
	23 21	13 23-2018	EA	10" Balancing Plug Valve, Grooved, With Gear Operator.....	3,454.72	117.47
	23 21	13 23-2019	EA	12" Balancing Plug Valve, Grooved, With Gear Operator.....	4,979.09	135.62
	23 21	13 23-2020		Prepare Pipe For Groove <small>(23 21 13 23-1440)</small>		
	23 21	13 23-2021		Cut Grooved Pipe <small>(23 21 13 23-2020)</small>		
				Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
	23 21	13 23-2022	EA	Cut 3/4" Groove Pipe.....	14.19	
	23 21	13 23-2023	EA	Cut 1" Groove Pipe.....	15.41	
	23 21	13 23-2024	EA	Cut 1-1/4" Groove Pipe.....	17.40	
	23 21	13 23-2025	EA	Cut 1-1/2" Groove Pipe.....	18.93	
	23 21	13 23-2026	EA	Cut 2" Groove Pipe.....	20.75	
	23 21	13 23-2027	EA	Cut 2-1/2" Groove Pipe.....	22.47	
	23 21	13 23-2028	EA	Cut 3" Groove Pipe.....	24.52	
	23 21	13 23-2029	EA	Cut 3-1/2" Groove Pipe.....	25.99	
	23 21	13 23-2030	EA	Cut 4" Groove Pipe.....	27.66	
	23 21	13 23-2031	EA	Cut 5" Groove Pipe.....	29.96	
	23 21	13 23-2032	EA	Cut 6" Groove Pipe.....	30.82	
	23 21	13 23-2033	EA	Cut 8" Groove Pipe.....	39.95	
	23 21	13 23-2034	EA	Cut 10" Groove Pipe.....	56.78	
	23 21	13 23-2035	EA	Cut 12" Groove Pipe.....	71.91	
	23 21	13 23-2036	EA	Cut 14" Groove Pipe.....	107.87	
	23 21	13 23-2037	EA	Cut 16" Groove Pipe.....	113.55	
	23 21	13 23-2038	EA	Cut 18" Groove Pipe.....	119.86	
	23 21	13 23-2039	EA	Cut 20" Groove Pipe.....	126.91	
	23 21	13 23-2040	EA	Cut 24" Groove Pipe.....	143.83	
	23 21	13 23-2041		Roll Grooved Pipe <small>(23 21 13 23-2020)</small>		
				Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
	23 21	13 23-2042	EA	Roll 3/4" Groove.....	8.11	
	23 21	13 23-2043	EA	Roll 1" Groove.....	9.46	
	23 21	13 23-2044	EA	Roll 1-1/4" Groove.....	10.79	
	23 21	13 23-2045	EA	Roll 1-1/2" Groove.....	12.12	
	23 21	13 23-2046	EA	Roll 2" Groove.....	18.60	
	23 21	13 23-2047	EA	Roll 2-1/2" Groove.....	19.61	
	23 21	13 23-2048	EA	Roll 3" Groove.....	21.57	
	23 21	13 23-2049	EA	Roll 3-1/2" Groove.....	22.95	
	23 21	13 23-2050	EA	Roll 4" Groove.....	25.08	
	23 21	13 23-2051	EA	Roll 5" Groove.....	25.69	
	23 21	13 23-2052	EA	Roll 6" Groove.....	26.97	
	23 21	13 23-2053	EA	Roll 8" Groove.....	32.69	
	23 21	13 23-2054	EA	Roll 10" Groove.....	37.19	
	23 21	13 23-2055	EA	Roll 12" Groove.....	46.90	
	23 21	13 23-2056	EA	Roll 14" Groove.....	71.91	
	23 21	13 23-2057	EA	Roll 16" Groove.....	77.05	
	23 21	13 23-2058	EA	Roll 18" Groove.....	79.90	
	23 21	13 23-2059	EA	Roll 20" Groove.....	86.30	
	23 21	13 23-2060	EA	Roll 24" Groove.....	93.80	
	23 21	13 23-2061		Standard Gaskets <small>(23 21 13 23-2020)</small>		
				Note: For use on replacement of existing gaskets.		
	23 21	13 23-2062	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	26.59	
	23 21	13 23-2063	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	27.73	
	23 21	13 23-2064	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	29.07	
	23 21	13 23-2065	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	31.91	
	23 21	13 23-2066	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	32.72	
	23 21	13 23-2067	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	38.18	
	23 21	13 23-2068	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	41.90	
	23 21	13 23-2069	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	51.41	
	23 21	13 23-2070	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	52.06	
	23 21	13 23-2071	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	64.54	
	23 21	13 23-2072	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	69.36	
	23 21	13 23-2073	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	94.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2074 EA 10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	117.63	
23 21 13 23-2075 EA 12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	138.99	
23 21 13 23-2076 EA 14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	194.35	
23 21 13 23-2077 EA 16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	258.35	
23 21 13 23-2078 EA 18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	305.39	
23 21 13 23-2079 EA 20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	450.88	
23 21 13 23-2080 EA 24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	616.21	
23 21 13 23-2081 Copper Grooved-Joint Pipe Fittings (23 21 13 23) Note: Couplings are not included with fittings.		
23 21 13 23-2082 Grooved Fittings (23 21 13 23-2081)		
23 21 13 23-2083 Grooved 90 Degree Elbows (23 21 13 23-2082)		
23 21 13 23-2084 EA 2" Copper 90 Degree Elbow, Grooved.....	85.23	22.09
23 21 13 23-2085 EA 2-1/2" Copper 90 Degree Elbow, Grooved.....	98.25	26.97
23 21 13 23-2086 EA 3" Copper 90 Degree Elbow, Grooved.....	127.46	32.65
23 21 13 23-2087 EA 4" Copper 90 Degree Elbow, Grooved.....	228.79	43.09
23 21 13 23-2088 EA 5" Copper 90 Degree Elbow, Grooved.....	511.76	53.92
23 21 13 23-2089 EA 6" Copper 90 Degree Elbow, Grooved.....	785.68	70.59
23 21 13 23-2090 EA 8" Copper 90 Degree Elbow, Grooved.....	1,378.03	84.00
23 21 13 23-2091 Grooved 45 Degree Elbows (23 21 13 23-2082)		
23 21 13 23-2092 EA 2" Copper 45 Degree Elbow, Grooved.....	85.23	22.09
23 21 13 23-2093 EA 2-1/2" Copper 45 Degree Elbow, Grooved.....	98.25	26.97
23 21 13 23-2094 EA 3" Copper 45 Degree Elbow, Grooved.....	127.46	32.65
23 21 13 23-2095 EA 4" Copper 45 Degree Elbow, Grooved.....	228.79	43.09
23 21 13 23-2096 EA 5" Copper 45 Degree Elbow, Grooved.....	511.76	53.92
23 21 13 23-2097 EA 6" Copper 45 Degree Elbow, Grooved.....	785.68	70.59
23 21 13 23-2098 EA 8" Copper 45 Degree Elbow, Grooved.....	1,378.03	84.00
23 21 13 23-2099 Grooved Tees (23 21 13 23-2082)		
23 21 13 23-2100 EA 2" Copper Tee, Grooved.....	132.25	32.52
23 21 13 23-2101 EA 2-1/2" Copper Tee, Grooved.....	151.14	39.97
23 21 13 23-2102 EA 3" Copper Tee, Grooved.....	204.08	49.04
23 21 13 23-2103 EA 4" Copper Tee, Grooved.....	359.34	63.41
23 21 13 23-2104 EA 5" Copper Tee, Grooved.....	1,188.75	82.92
23 21 13 23-2105 EA 6" Copper Tee, Grooved.....	1,011.04	103.79
23 21 13 23-2106 EA 8" Copper Tee, Grooved.....	1,686.78	126.01
23 21 13 23-2107 Grooved Reducing Tees (23 21 13 23-2082)		
23 21 13 23-2108 EA 2-1/2" Copper Tee, Reducing, Grooved.....	186.10	39.97
23 21 13 23-2109 EA 3" Copper Tee, Reducing, Grooved.....	278.32	49.04
23 21 13 23-2110 EA 4" Copper Tee, Reducing, Grooved.....	432.26	63.55
23 21 13 23-2111 EA 5" Copper Tee, Reducing, Grooved.....	1,097.91	83.06
23 21 13 23-2112 EA 6" Copper Tee, Reducing, Grooved.....	1,345.38	103.79
23 21 13 23-2113 Grooved X Cup Reducing Tees (23 21 13 23-2082)		
23 21 13 23-2114 EA 2" Copper Tee, Reducing, Grooved X Cup.....	150.95	32.52
23 21 13 23-2115 EA 2-1/2" Copper Tee, Reducing, Grooved X Cup.....	186.48	39.97
23 21 13 23-2116 EA 3" Copper Tee, Reducing, Grooved X Cup.....	295.15	49.04
23 21 13 23-2117 EA 4" Copper Tee, Reducing, Grooved X Cup.....	432.26	63.41
23 21 13 23-2118 Grooved Flanged Adapter Nipples (23 21 13 23-2082)		
23 21 13 23-2119 EA 2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	224.80	23.98
23 21 13 23-2120 EA 2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	242.28	29.13
23 21 13 23-2121 EA 3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	262.32	34.82
23 21 13 23-2122 EA 4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	305.09	46.88
23 21 13 23-2123 EA 5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	397.57	56.77
23 21 13 23-2124 EA 6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	462.46	76.68
23 21 13 23-2125 Grooved Concentric Reducers (23 21 13 23-2082)		
23 21 13 23-2126 EA 2-1/2" x 2" Copper Concentric Reducer, Grooved	108.15	24.66
23 21 13 23-2127 EA 3" x 2" Copper Concentric Reducer, Grooved.....	113.58	27.51
23 21 13 23-2128 EA 3" x 2-1/2" Copper Concentric Reducer, Grooved	124.09	32.65
23 21 13 23-2129 EA 4" x 2" Copper Concentric Reducer, Grooved.....	185.77	32.92
23 21 13 23-2130 EA 4" x 2-1/2" Copper Concentric Reducer, Grooved	190.52	35.22
23 21 13 23-2131 EA 4" x 3" Copper Concentric Reducer, Grooved.....	195.93	37.94
23 21 13 23-2132 EA 5" x 3" Copper Concentric Reducer, Grooved.....	424.42	43.36
23 21 13 23-2133 EA 5" x 4" Copper Concentric Reducer, Grooved.....	435.26	48.77
23 21 13 23-2134 EA 6" x 3" Copper Concentric Reducer, Grooved.....	468.54	51.49
23 21 13 23-2135 EA 6" x 4" Copper Concentric Reducer, Grooved.....	479.38	56.91
23 21 13 23-2136 EA 6" x 5" Copper Concentric Reducer, Grooved.....	490.23	62.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2137 EA 8" x 6" Copper Concentric Reducer, Grooved.....	796.01	77.22
23 21 13 23-2138 Grooved X Cup Concentric Reducers (23 21 13 23-2082)		
23 21 13 23-2139 EA 2" x 1" Copper Concentric Reducer, Grooved X Cup.....	83.17	17.34
23 21 13 23-2140 EA 2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	84.53	18.02
23 21 13 23-2141 EA 2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	88.67	20.06
23 21 13 23-2142 EA 2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	98.18	19.37
23 21 13 23-2143 EA 2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	99.52	20.06
23 21 13 23-2144 EA 2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	103.50	22.09
23 21 13 23-2145 EA 2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	108.91	24.66
23 21 13 23-2146 EA 3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	123.30	24.66
23 21 13 23-2147 EA 3" x 2" Copper Concentric Reducer, Grooved X Cup.....	128.73	27.51
23 21 13 23-2148 EA 4" x 2" Copper Concentric Reducer, Grooved X Cup.....	202.79	32.79
23 21 13 23-2149 Grooved Standard Couplings (23 21 13 23-2082)		
23 21 13 23-2150 EA 2" Copper Standard Coupling, Grooved.....	36.26	11.11
23 21 13 23-2151 EA 2-1/2" Copper Standard Coupling, Grooved	43.15	13.55
23 21 13 23-2152 EA 3" Copper Standard Coupling, Grooved.....	50.02	16.12
23 21 13 23-2153 EA 4" Copper Standard Coupling, Grooved.....	70.41	21.67
23 21 13 23-2154 EA 5" Copper Standard Coupling, Grooved.....	100.32	26.97
23 21 13 23-2155 EA 6" Copper Standard Coupling, Grooved.....	131.83	35.22
23 21 13 23-2156 EA 8" Copper Standard Coupling, Grooved.....	179.36	42.00
23 21 13 23-2157 Grooved Caps (23 21 13 23-2082)		
23 21 13 23-2158 EA 2" Copper Cap, Grooved.....	50.37	11.11
23 21 13 23-2159 EA 2-1/2" Copper Cap, Grooved	68.86	13.55
23 21 13 23-2160 EA 3" Copper Cap, Grooved.....	84.19	16.12
23 21 13 23-2161 EA 4" Copper Cap, Grooved.....	121.12	21.54
23 21 13 23-2162 EA 5" Copper Cap, Grooved.....	192.19	26.97
23 21 13 23-2163 EA 6" Copper Cap, Grooved.....	229.70	35.22
23 21 13 23-2164 Grooved Valves (23 21 13 23-2081)		
23 21 13 23-2165 Grooved Butterfly Valves, Standard Trim, Without Operator (23 21 13 23-2164)		
Note: Copper body.		
23 21 13 23-2166 EA 2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	484.63	14.49
For Chain Wheel, Add		43.45
For Valve Bracket Insulation, Add		38.20
23 21 13 23-2167 EA 3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	553.34	21.54
For Chain Wheel, Add		43.45
For Valve Bracket Insulation, Add		38.20
23 21 13 23-2168 EA 4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	731.40	28.31
For Chain Wheel, Add		43.45
For Valve Bracket Insulation, Add		38.20
23 21 13 23-2169 EA 6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	979.58	46.47
For Chain Wheel, Add		43.45
For Valve Bracket Insulation, Add		38.20
23 21 13 23-2170 EA 8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,085.90	65.31
For Chain Wheel, Add		43.45
For Valve Bracket Insulation, Add		38.20
23 21 13 23-2171 Grooved Butterfly Valves, Standard Trim, With Operator (23 21 13 23-2164)		
Note: Copper body.		
23 21 13 23-2172 EA 2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	590.69	14.49
For Chain Wheel, Add		43.45
For Valve Bracket Insulation, Add		38.20
23 21 13 23-2173 EA 3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	659.47	21.54
For Chain Wheel, Add		43.45
For Valve Bracket Insulation, Add		38.20
23 21 13 23-2174 EA 4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	837.53	28.31
For Chain Wheel, Add		43.45
For Valve Bracket Insulation, Add		38.20
23 21 13 23-2175 EA 6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,085.78	46.47
For Chain Wheel, Add		43.45
For Valve Bracket Insulation, Add		38.20
23 21 13 23-2176 EA 8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,192.03	65.31
For Chain Wheel, Add		43.45
For Valve Bracket Insulation, Add		38.20
23 21 13 23-2177 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23)		
Note: Socket or back weld.		
23 21 13 23-2178 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2177)		
Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2179 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2178)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2180 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.33	3.87
<i>For Work In Restricted Working Space, Add</i>	1.74	
23 21 13 23-2181 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.92	4.84
<i>For Work In Restricted Working Space, Add</i>	2.18	
23 21 13 23-2182 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.70	5.16
<i>For Work In Restricted Working Space, Add</i>	2.32	
23 21 13 23-2183 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	9.60	5.55
<i>For Work In Restricted Working Space, Add</i>	2.50	
23 21 13 23-2184 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	9.91	5.65
<i>For Work In Restricted Working Space, Add</i>	2.54	
23 21 13 23-2185 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	12.11	6.76
<i>For Work In Restricted Working Space, Add</i>	3.05	
23 21 13 23-2186 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	15.14	8.04
<i>For Work In Restricted Working Space, Add</i>	3.61	
23 21 13 23-2187 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	18.59	9.72
<i>For Work In Restricted Working Space, Add</i>	4.37	
23 21 13 23-2188 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	27.66	14.56
<i>For Work In Restricted Working Space, Add</i>	6.56	
23 21 13 23-2189 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	39.26	19.43
<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-2190 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	50.11	23.15
<i>For Work In Restricted Working Space, Add</i>	10.42	
23 21 13 23-2191 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	85.81	25.87
<i>For Work In Restricted Working Space, Add</i>	11.63	
23 21 13 23-2192 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2178)		
23 21 13 23-2193 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	22.69	14.63
<i>For Work In Restricted Working Space, Add</i>	6.56	
23 21 13 23-2194 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	30.31	19.37
<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-2195 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	38.21	24.12
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21 13 23-2196 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	54.95	34.15
<i>For Work In Restricted Working Space, Add</i>	15.34	
23 21 13 23-2197 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	61.73	38.48
<i>For Work In Restricted Working Space, Add</i>	17.30	
23 21 13 23-2198 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	79.64	48.91
<i>For Work In Restricted Working Space, Add</i>	21.97	
23 21 13 23-2199 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	127.87	72.35
<i>For Work In Restricted Working Space, Add</i>	32.52	
23 21 13 23-2200 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	166.01	95.11
<i>For Work In Restricted Working Space, Add</i>	42.79	
23 21 13 23-2201 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	211.15	113.00
<i>For Work In Restricted Working Space, Add</i>	50.81	
23 21 13 23-2202 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	293.63	129.12
<i>For Work In Restricted Working Space, Add</i>	58.07	
23 21 13 23-2203 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	483.48	150.66
<i>For Work In Restricted Working Space, Add</i>	67.74	
23 21 13 23-2204 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	722.83	224.63
<i>For Work In Restricted Working Space, Add</i>	101.01	
23 21 13 23-2205 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2178)		
23 21 13 23-2206 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	23.11	14.63
<i>For Work In Restricted Working Space, Add</i>	6.56	
23 21 13 23-2207 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	31.14	19.37
<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-2208 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	39.38	24.12
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21 13 23-2209 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	55.70	34.15
<i>For Work In Restricted Working Space, Add</i>	15.34	
23 21 13 23-2210 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	63.39	38.48
<i>For Work In Restricted Working Space, Add</i>	17.30	
23 21 13 23-2211 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	80.72	48.91
<i>For Work In Restricted Working Space, Add</i>	21.97	
23 21 13 23-2212 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	127.87	72.35
<i>For Work In Restricted Working Space, Add</i>	32.52	
23 21 13 23-2213 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	173.01	95.11
<i>For Work In Restricted Working Space, Add</i>	42.79	
23 21 13 23-2214 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	223.89	113.00
<i>For Work In Restricted Working Space, Add</i>	50.81	
23 21 13 23-2215 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	294.80	129.12
<i>For Work In Restricted Working Space, Add</i>	58.07	
23 21 13 23-2216 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	469.41	150.66
<i>For Work In Restricted Working Space, Add</i>	67.74	
23 21 13 23-2217 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	722.83	224.63
<i>For Work In Restricted Working Space, Add</i>	101.01	
23 21 13 23-2218 Schedule 40 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2178)		
23 21 13 23-2219 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	37.13	24.12
<i>For Work In Restricted Working Space, Add</i>	10.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2220 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	44.78 13.11	29.13
23 21 13 23-2221 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	59.73 17.30	38.48
23 21 13 23-2222 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	76.56 21.97	48.91
23 21 13 23-2223 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	91.49 26.22	58.26
23 21 13 23-2224 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	114.30 32.52	72.35
23 21 13 23-2225 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	162.27 42.79	95.11
23 21 13 23-2226 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	195.09 50.81	113.00
23 21 13 23-2227 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	272.43 67.74	150.66
23 21 13 23-2228 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	448.55 87.41	194.29
23 21 13 23-2229 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	725.95 108.39	241.03
23 21 13 23-2230 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	1,966.82 161.99	360.12
23 21 13 23-2231 Schedule 40 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2178)		
23 21 13 23-2232 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	46.73 13.55	30.07
23 21 13 23-2233 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	56.33 16.39	36.45
23 21 13 23-2234 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	75.34 21.62	48.10
23 21 13 23-2235 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	96.77 27.47	61.10
23 21 13 23-2236 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	115.65 32.78	72.89
23 21 13 23-2237 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	144.76 40.65	90.37
23 21 13 23-2238 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	209.08 53.48	118.96
23 21 13 23-2239 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	252.02 63.51	141.17
23 21 13 23-2240 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	355.36 84.68	188.32
23 21 13 23-2241 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	610.46 109.22	242.79
23 21 13 23-2242 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	1,023.00 135.41	301.05
23 21 13 23-2243 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	2,912.04 202.58	450.36
23 21 13 23-2244 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2178)		
23 21 13 23-2245 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	23.42 6.80	14.91
23 21 13 23-2246 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	30.59 8.70	19.10
23 21 13 23-2247 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	40.85 11.63	25.61
23 21 13 23-2248 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	50.50 14.50	31.84
23 21 13 23-2249 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	61.84 17.45	38.34
23 21 13 23-2250 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	86.55 24.22	53.25
23 21 13 23-2251 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	120.30 33.47	73.57
23 21 13 23-2252 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	158.39 41.60	91.46
23 21 13 23-2253 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	210.33 48.39	106.49
23 21 13 23-2254 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	468.33 55.92	123.02
23 21 13 23-2255 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	562.99 75.00	165.02
23 21 13 23-2256 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2178)		
23 21 13 23-2257 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	23.61 6.56	14.63
23 21 13 23-2258 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	30.89 8.74	19.37
23 21 13 23-2259 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	38.29 10.84	24.12

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2260	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	54.45	34.15
			<i>For Work In Restricted Working Space, Add</i>	15.34	
23 21 13 23-2261	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	61.48	38.48
			<i>For Work In Restricted Working Space, Add</i>	17.30	
23 21 13 23-2262	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	78.47	48.91
			<i>For Work In Restricted Working Space, Add</i>	21.97	
23 21 13 23-2263	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	115.97	72.35
			<i>For Work In Restricted Working Space, Add</i>	32.52	
23 21 13 23-2264	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	151.36	95.11
			<i>For Work In Restricted Working Space, Add</i>	42.79	
23 21 13 23-2265	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	189.09	113.00
			<i>For Work In Restricted Working Space, Add</i>	50.81	
23 21 13 23-2266			Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-2178)</small>		
23 21 13 23-2267	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	24.19	14.63
			<i>For Work In Restricted Working Space, Add</i>	6.56	
23 21 13 23-2268	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	31.47	19.37
			<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-2269	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	39.46	24.12
			<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21 13 23-2270	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	55.12	34.15
			<i>For Work In Restricted Working Space, Add</i>	15.34	
23 21 13 23-2271	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	62.98	38.48
			<i>For Work In Restricted Working Space, Add</i>	17.30	
23 21 13 23-2272	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	79.81	48.91
			<i>For Work In Restricted Working Space, Add</i>	21.97	
23 21 13 23-2273	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	117.46	72.35
			<i>For Work In Restricted Working Space, Add</i>	32.52	
23 21 13 23-2274	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	155.94	95.11
			<i>For Work In Restricted Working Space, Add</i>	42.79	
23 21 13 23-2275	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	186.43	113.00
			<i>For Work In Restricted Working Space, Add</i>	50.81	
23 21 13 23-2276			Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <small>(23 21 13 23-2178)</small>		
23 21 13 23-2277	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	22.69	14.63
			<i>For Work In Restricted Working Space, Add</i>	6.56	
23 21 13 23-2278	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	30.22	19.37
			<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-2279	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	37.38	24.12
			<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21 13 23-2280	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	53.12	34.15
			<i>For Work In Restricted Working Space, Add</i>	15.34	
23 21 13 23-2281	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	59.98	38.48
			<i>For Work In Restricted Working Space, Add</i>	17.30	
23 21 13 23-2282	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	76.39	48.91
			<i>For Work In Restricted Working Space, Add</i>	21.97	
23 21 13 23-2283	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	122.12	72.35
			<i>For Work In Restricted Working Space, Add</i>	32.52	
23 21 13 23-2284	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	161.10	95.11
			<i>For Work In Restricted Working Space, Add</i>	42.79	
23 21 13 23-2285	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	199.91	113.00
			<i>For Work In Restricted Working Space, Add</i>	50.81	
23 21 13 23-2286			Schedule 40 Polyvinyl Chloride (PVC) P-Traps <small>(23 21 13 23-2178)</small>		
23 21 13 23-2287	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps.....	35.88	19.91
			<i>For Work In Restricted Working Space, Add</i>	8.94	
23 21 13 23-2288			Schedule 40 Polyvinyl Chloride (PVC) Couplings <small>(23 21 13 23-2178)</small>		
23 21 13 23-2289	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	22.36	14.63
			<i>For Work In Restricted Working Space, Add</i>	6.56	
23 21 13 23-2290	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	29.81	19.37
			<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-2291	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	37.38	24.12
			<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21 13 23-2292	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	52.79	34.15
			<i>For Work In Restricted Working Space, Add</i>	15.34	
23 21 13 23-2293	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	59.48	38.48
			<i>For Work In Restricted Working Space, Add</i>	17.30	
23 21 13 23-2294	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	76.06	48.91
			<i>For Work In Restricted Working Space, Add</i>	21.97	
23 21 13 23-2295	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	114.72	72.35
			<i>For Work In Restricted Working Space, Add</i>	32.52	
23 21 13 23-2296	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	152.53	95.11
			<i>For Work In Restricted Working Space, Add</i>	42.79	
23 21 13 23-2297	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	183.76	113.00
			<i>For Work In Restricted Working Space, Add</i>	50.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2298 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	239.18 58.07	129.12
23 21 13 23-2299 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	311.06 67.74	150.66
23 21 13 23-2300 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	633.32 72.61	161.50
23 21 13 23-2301 Schedule 40 Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-2178)</small>		
23 21 13 23-2302 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	42.24 10.84	24.12
23 21 13 23-2303 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	57.77 13.11	29.13
23 21 13 23-2304 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	73.38 17.30	38.48
23 21 13 23-2305 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	111.53 21.97	48.91
23 21 13 23-2306 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	127.37 26.22	58.26
23 21 13 23-2307 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	162.25 32.52	72.35
23 21 13 23-2308 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	240.36 42.79	95.11
23 21 13 23-2309 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	272.93 50.81	113.00
23 21 13 23-2310 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	431.19 67.74	150.66
23 21 13 23-2311 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	566.56 87.38	194.29
23 21 13 23-2312 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	815.32 108.33	240.90
23 21 13 23-2313 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	1,197.06 134.52	299.02
23 21 13 23-2314 Schedule 40 Polyvinyl Chloride (PVC) Caps <small>(23 21 13 23-2178)</small>		
23 21 13 23-2315 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	10.62 2.99	6.58
23 21 13 23-2316 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	13.95 3.94	8.67
23 21 13 23-2317 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	17.58 4.88	10.70
23 21 13 23-2318 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	25.09 6.98	15.35
23 21 13 23-2319 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	27.95 7.79	17.07
23 21 13 23-2320 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	35.36 9.89	21.82
23 21 13 23-2321 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	56.68 14.63	32.25
23 21 13 23-2322 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	72.75 19.25	42.40
23 21 13 23-2323 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	95.86 22.86	50.27
23 21 13 23-2324 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	134.14 26.13	57.45
23 21 13 23-2325 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	258.97 30.49	67.07
23 21 13 23-2326 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	733.70 45.45	99.99
23 21 13 23-2327 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-2178)</small>		
23 21 13 23-2328 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges..... <i>For Work In Restricted Working Space, Add</i>	52.86 10.84	24.12
23 21 13 23-2329 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	69.34 13.11	29.13
23 21 13 23-2330 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	86.20 17.30	38.48
23 21 13 23-2331 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	102.62 21.97	48.91
23 21 13 23-2332 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	117.46 26.22	58.26
23 21 13 23-2333 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	148.35 32.52	72.35
23 21 13 23-2334 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	204.31 42.79	95.11
23 21 13 23-2335 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	237.46 50.81	113.00
23 21 13 23-2336 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	312.06 67.74	150.66
23 21 13 23-2337 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	426.86 87.38	194.29

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2338 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	667.05 108.33	240.90
23 21 13 23-2339 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	1,137.25 134.31	298.61
23 21 13 23-2340 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2177) Note: ASTM D1785 with D2467 fittings.		
23 21 13 23-2341 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2340)		
23 21 13 23-2342 LF 1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.47 1.74	3.93
23 21 13 23-2343 LF 3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.11 2.18	4.88
23 21 13 23-2344 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.97 2.61	5.82
23 21 13 23-2345 LF 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	11.89 3.06	6.78
23 21 13 23-2346 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	13.66 3.49	7.72
23 21 13 23-2347 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	17.52 4.37	9.76
23 21 13 23-2348 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	20.43 4.81	10.70
23 21 13 23-2349 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	23.32 5.24	11.65
23 21 13 23-2350 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	30.43 6.56	14.63
23 21 13 23-2351 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	45.43 8.74	19.37
23 21 13 23-2352 LF 8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	59.56 10.42	23.16
23 21 13 23-2353 LF 10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	113.89 11.23	24.93
23 21 13 23-2354 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2340)		
23 21 13 23-2355 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	24.86 6.56 3.28	14.63
23 21 13 23-2356 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	33.05 8.74 4.37	19.37
23 21 13 23-2357 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	42.46 10.84 5.42	24.12
23 21 13 23-2358 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	59.53 15.34 7.67	34.15
23 21 13 23-2359 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	66.64 17.30 8.65	38.48
23 21 13 23-2360 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	84.14 21.97 10.98	48.91
23 21 13 23-2361 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	133.95 32.52 16.26	72.35
23 21 13 23-2362 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	171.34 42.79 21.39	95.11
23 21 13 23-2363 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	212.98 50.81 25.40	113.00
23 21 13 23-2364 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	351.16 58.07 29.03	129.12
23 21 13 23-2365 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	568.40 67.74 33.87	150.66
23 21 13 23-2366 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	722.83 101.01 50.51	224.63
23 21 13 23-2367 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2340)		
23 21 13 23-2368 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	27.60 6.56 3.28	14.63
23 21 13 23-2369 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	37.88 8.74 4.37	19.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2370 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	49.28 10.84 5.42	24.12
23 21 13 23-2371 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	67.94 15.34 7.67	34.15
23 21 13 23-2372 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	77.46 17.30 8.65	38.48
23 21 13 23-2373 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	98.96 21.97 10.98	48.91
23 21 13 23-2374 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	162.51 32.52 16.26	72.35
23 21 13 23-2375 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	208.48 42.79 21.39	95.11
23 21 13 23-2376 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	288.00 50.81 25.40	113.00
23 21 13 23-2377 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	342.93 58.07 29.03	129.12
23 21 13 23-2378 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	549.68 67.74 33.87	150.66
23 21 13 23-2379 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	701.79 101.01 50.51	224.63
23 21 13 23-2380 Schedule 80 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2340)		
23 21 13 23-2381 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	42.88 10.29 5.15	22.90
23 21 13 23-2382 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	52.69 13.11 6.56	29.13
23 21 13 23-2383 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	68.89 17.30 8.65	38.48
23 21 13 23-2384 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	104.29 21.97 10.98	48.91
23 21 13 23-2385 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	118.47 26.22 13.11	58.26
23 21 13 23-2386 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	147.27 32.52 16.26	72.35
23 21 13 23-2387 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	184.92 42.79 21.39	95.11
23 21 13 23-2388 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	222.15 50.81 25.40	113.00
23 21 13 23-2389 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	287.00 67.74 33.87	150.66
23 21 13 23-2390 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	500.43 87.41 43.71	194.29
23 21 13 23-2391 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	846.20 108.39 54.20	241.03
23 21 13 23-2392 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,966.92 161.99 80.99	360.12
23 21 13 23-2393 Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2340)		
23 21 13 23-2394 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	56.32 12.86 6.43	28.58
23 21 13 23-2395 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	68.72 16.39 8.19	36.45
23 21 13 23-2396 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	89.69 21.62 10.81	48.10
23 21 13 23-2397 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	140.23 27.47 13.73	61.10

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2398 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	157.94	72.89
For Work In Restricted Working Space, Add	32.78	
For Threaded Fittings, Add	16.39	
23 21 13 23-2399 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Crosses.....	196.44	90.37
For Work In Restricted Working Space, Add	40.65	
For Threaded Fittings, Add	20.32	
23 21 13 23-2400 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	244.59	118.96
For Work In Restricted Working Space, Add	53.48	
For Threaded Fittings, Add	26.74	
23 21 13 23-2401 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Crosses.....	294.45	141.17
For Work In Restricted Working Space, Add	63.51	
For Threaded Fittings, Add	31.76	
23 21 13 23-2402 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Crosses.....	378.20	188.32
For Work In Restricted Working Space, Add	84.68	
For Threaded Fittings, Add	42.34	
23 21 13 23-2403 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses.....	691.79	242.79
For Work In Restricted Working Space, Add	109.22	
For Threaded Fittings, Add	54.61	
23 21 13 23-2404 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses.....	1,211.50	301.05
For Work In Restricted Working Space, Add	135.41	
For Threaded Fittings, Add	67.71	
23 21 13 23-2405 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses.....	2,912.19	450.36
For Work In Restricted Working Space, Add	202.58	
For Threaded Fittings, Add	101.29	
23 21 13 23-2406 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2340)		
23 21 13 23-2407 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	30.89	19.37
For Work In Restricted Working Space, Add	8.74	
23 21 13 23-2408 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	41.21	24.12
For Work In Restricted Working Space, Add	10.84	
23 21 13 23-2409 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	59.11	34.15
For Work In Restricted Working Space, Add	15.34	
23 21 13 23-2410 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	68.56	38.48
For Work In Restricted Working Space, Add	17.30	
23 21 13 23-2411 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	88.80	48.91
For Work In Restricted Working Space, Add	21.97	
23 21 13 23-2412 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	135.36	72.35
For Work In Restricted Working Space, Add	32.52	
23 21 13 23-2413 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	185.49	95.11
For Work In Restricted Working Space, Add	42.79	
23 21 13 23-2414 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	228.80	113.00
For Work In Restricted Working Space, Add	50.81	
23 21 13 23-2415 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	259.49	129.12
For Work In Restricted Working Space, Add	58.07	
23 21 13 23-2416 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	372.16	150.66
For Work In Restricted Working Space, Add	67.74	
23 21 13 23-2417 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	575.35	174.92
For Work In Restricted Working Space, Add	78.70	
23 21 13 23-2418 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2340)		
23 21 13 23-2419 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	22.44	14.63
For Work In Restricted Working Space, Add	6.56	
23 21 13 23-2420 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	32.39	19.37
For Work In Restricted Working Space, Add	8.74	
23 21 13 23-2421 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	41.21	24.12
For Work In Restricted Working Space, Add	10.84	
23 21 13 23-2422 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	61.44	34.15
For Work In Restricted Working Space, Add	15.34	
23 21 13 23-2423 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	70.64	38.48
For Work In Restricted Working Space, Add	17.30	
23 21 13 23-2424 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	89.13	48.91
For Work In Restricted Working Space, Add	21.97	
23 21 13 23-2425 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	142.02	72.35
For Work In Restricted Working Space, Add	32.52	
23 21 13 23-2426 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	204.89	95.11
For Work In Restricted Working Space, Add	42.79	
23 21 13 23-2427 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts.....	265.10	113.00
For Work In Restricted Working Space, Add	50.81	
23 21 13 23-2428 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2340)		
23 21 13 23-2429 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	28.94	14.63
For Work In Restricted Working Space, Add	6.56	
23 21 13 23-2430 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	36.97	19.37
For Work In Restricted Working Space, Add	8.74	
23 21 13 23-2431 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	49.78	24.12
For Work In Restricted Working Space, Add	10.84	
23 21 13 23-2432 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	67.11	34.15
For Work In Restricted Working Space, Add	15.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2433 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	80.63	38.48
<i>For Work In Restricted Working Space, Add</i>	17.30	
23 21 13 23-2434 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	103.20	48.91
<i>For Work In Restricted Working Space, Add</i>	21.97	
23 21 13 23-2435 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	142.52	72.35
<i>For Work In Restricted Working Space, Add</i>	32.52	
23 21 13 23-2436 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	180.50	95.11
<i>For Work In Restricted Working Space, Add</i>	42.79	
23 21 13 23-2437 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	236.71	113.00
<i>For Work In Restricted Working Space, Add</i>	50.81	
23 21 13 23-2438 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2340)		
23 21 13 23-2439 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	27.02	14.63
<i>For Work In Restricted Working Space, Add</i>	6.56	
23 21 13 23-2440 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	36.80	19.37
<i>For Work In Restricted Working Space, Add</i>	8.74	
23 21 13 23-2441 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	47.45	24.12
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21 13 23-2442 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	69.52	34.15
<i>For Work In Restricted Working Space, Add</i>	15.34	
23 21 13 23-2443 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	80.21	38.48
<i>For Work In Restricted Working Space, Add</i>	17.30	
23 21 13 23-2444 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	112.52	48.91
<i>For Work In Restricted Working Space, Add</i>	21.97	
23 21 13 23-2445 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	170.50	72.35
<i>For Work In Restricted Working Space, Add</i>	32.52	
23 21 13 23-2446 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	212.55	95.11
<i>For Work In Restricted Working Space, Add</i>	42.79	
23 21 13 23-2447 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	289.57	113.00
<i>For Work In Restricted Working Space, Add</i>	50.81	
23 21 13 23-2448 Schedule 80 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2340)		
23 21 13 23-2449 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	27.35	14.63
<i>For Work In Restricted Working Space, Add</i>	6.56	
<i>For Threaded Fittings, Add</i>	3.28	
23 21 13 23-2450 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	36.55	19.37
<i>For Work In Restricted Working Space, Add</i>	8.74	
<i>For Threaded Fittings, Add</i>	4.37	
23 21 13 23-2451 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	43.79	24.12
<i>For Work In Restricted Working Space, Add</i>	10.84	
<i>For Threaded Fittings, Add</i>	5.42	
23 21 13 23-2452 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	62.86	34.15
<i>For Work In Restricted Working Space, Add</i>	15.34	
<i>For Threaded Fittings, Add</i>	7.67	
23 21 13 23-2453 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	70.30	38.48
<i>For Work In Restricted Working Space, Add</i>	17.30	
<i>For Threaded Fittings, Add</i>	8.65	
23 21 13 23-2454 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	86.72	48.91
<i>For Work In Restricted Working Space, Add</i>	21.97	
<i>For Threaded Fittings, Add</i>	10.98	
23 21 13 23-2455 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	141.77	72.35
<i>For Work In Restricted Working Space, Add</i>	32.52	
<i>For Threaded Fittings, Add</i>	16.26	
23 21 13 23-2456 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	181.00	95.11
<i>For Work In Restricted Working Space, Add</i>	42.79	
<i>For Threaded Fittings, Add</i>	21.39	
23 21 13 23-2457 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	217.48	113.00
<i>For Work In Restricted Working Space, Add</i>	50.81	
<i>For Threaded Fittings, Add</i>	25.40	
23 21 13 23-2458 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	297.04	129.12
<i>For Work In Restricted Working Space, Add</i>	58.07	
<i>For Threaded Fittings, Add</i>	29.03	
23 21 13 23-2459 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	366.67	150.66
<i>For Work In Restricted Working Space, Add</i>	67.74	
<i>For Threaded Fittings, Add</i>	33.87	
23 21 13 23-2460 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	658.29	161.50
<i>For Work In Restricted Working Space, Add</i>	72.61	
<i>For Threaded Fittings, Add</i>	36.31	
23 21 13 23-2461 Schedule 80 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2340)		
23 21 13 23-2462 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	48.45	24.12
<i>For Work In Restricted Working Space, Add</i>	10.84	
23 21 13 23-2463 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	57.94	29.13
<i>For Work In Restricted Working Space, Add</i>	13.11	
23 21 13 23-2464 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Unions	73.88	38.48
<i>For Work In Restricted Working Space, Add</i>	17.30	
23 21 13 23-2465 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	113.86	48.91
<i>For Work In Restricted Working Space, Add</i>	21.97	
23 21 13 23-2466 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	139.69	58.26
<i>For Work In Restricted Working Space, Add</i>	26.22	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2467 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Unions	179.24	72.35
For Work In Restricted Working Space, Add	32.52	
23 21 13 23-2468 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	274.53	95.11
For Work In Restricted Working Space, Add	42.79	
23 21 13 23-2469 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Unions	339.39	113.00
For Work In Restricted Working Space, Add	50.81	
23 21 13 23-2470 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Unions	431.69	150.66
For Work In Restricted Working Space, Add	67.74	
23 21 13 23-2471 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Unions	566.56	194.29
For Work In Restricted Working Space, Add	87.38	
23 21 13 23-2472 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Unions	815.32	240.90
For Work In Restricted Working Space, Add	108.33	
23 21 13 23-2473 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Unions	1,196.36	298.61
For Work In Restricted Working Space, Add	134.31	
23 21 13 23-2474 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions (23 21 13 23-2340)		
23 21 13 23-2475 EA 1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	52.36	30.10
23 21 13 23-2476 EA 3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	62.22	34.82
23 21 13 23-2477 EA 1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	75.10	41.06
23 21 13 23-2478 EA 1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	98.95	48.91
23 21 13 23-2479 EA 1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	119.11	58.26
23 21 13 23-2480 EA 2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	156.80	72.35
23 21 13 23-2481 EA 3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	332.92	140.23
23 21 13 23-2482 EA 4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	361.83	155.54
23 21 13 23-2483 Schedule 80 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2340)		
23 21 13 23-2484 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	17.58	6.51
For Work In Restricted Working Space, Add	2.95	
For Threaded Fittings, Add	1.48	
23 21 13 23-2485 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	21.28	8.67
For Work In Restricted Working Space, Add	3.94	
For Threaded Fittings, Add	1.97	
23 21 13 23-2486 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Caps	30.74	10.70
For Work In Restricted Working Space, Add	4.88	
For Threaded Fittings, Add	2.44	
23 21 13 23-2487 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	40.48	15.18
For Work In Restricted Working Space, Add	6.90	
For Threaded Fittings, Add	3.45	
23 21 13 23-2488 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	43.43	17.07
For Work In Restricted Working Space, Add	7.79	
For Threaded Fittings, Add	3.89	
23 21 13 23-2489 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Caps	59.17	21.82
For Work In Restricted Working Space, Add	9.89	
For Threaded Fittings, Add	4.94	
23 21 13 23-2490 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	102.63	32.25
For Work In Restricted Working Space, Add	14.63	
For Threaded Fittings, Add	7.32	
23 21 13 23-2491 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Caps	130.03	42.40
For Work In Restricted Working Space, Add	19.25	
For Threaded Fittings, Add	9.63	
23 21 13 23-2492 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Caps	182.11	50.27
For Work In Restricted Working Space, Add	22.86	
For Threaded Fittings, Add	11.43	
23 21 13 23-2493 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Caps	350.18	57.45
For Work In Restricted Working Space, Add	26.13	
For Threaded Fittings, Add	13.07	
23 21 13 23-2494 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Caps	463.02	67.07
For Work In Restricted Working Space, Add	30.49	
For Threaded Fittings, Add	15.24	
23 21 13 23-2495 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Caps	816.95	99.99
For Work In Restricted Working Space, Add	45.45	
For Threaded Fittings, Add	22.73	
23 21 13 23-2496 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges (23 21 13 23-2340)		
23 21 13 23-2497 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	60.02	24.12
For Work In Restricted Working Space, Add	10.84	
For Threaded Fittings, Add	5.42	
23 21 13 23-2498 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	69.34	29.13
For Work In Restricted Working Space, Add	13.11	
For Threaded Fittings, Add	6.56	
23 21 13 23-2499 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	86.21	38.48
For Work In Restricted Working Space, Add	17.30	
For Threaded Fittings, Add	8.65	
23 21 13 23-2500 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	102.62	48.91
For Work In Restricted Working Space, Add	21.97	
For Threaded Fittings, Add	10.98	
23 21 13 23-2501 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	117.46	58.26
For Work In Restricted Working Space, Add	26.22	
For Threaded Fittings, Add	13.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2502 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	148.35 32.52 16.26	72.35
23 21 13 23-2503 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	204.31 42.79 21.39	95.11
23 21 13 23-2504 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	237.46 50.81 25.40	113.00
23 21 13 23-2505 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	312.06 67.74 33.87	150.66
23 21 13 23-2506 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	426.87 87.38 43.69	194.29
23 21 13 23-2507 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	667.06 108.33 54.17	240.90
23 21 13 23-2508 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	1,137.25 134.31 67.15	298.61
23 21 13 23-2509 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2177)</small> Note: In place pipe.		
23 21 13 23-2510 EA 1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.36 2.21	
23 21 13 23-2511 EA 3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.94 2.38	
23 21 13 23-2512 EA 1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	8.94 2.68	
23 21 13 23-2513 EA 1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	9.38 2.81	
23 21 13 23-2514 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	9.93 2.98	
23 21 13 23-2515 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	10.93 3.28	
23 21 13 23-2516 EA 2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	11.77 3.53	
23 21 13 23-2517 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	13.90 4.17	
23 21 13 23-2518 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	18.76 5.63	
23 21 13 23-2519 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	26.81 8.04	
23 21 13 23-2520 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	35.76 10.73	
23 21 13 23-2521 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	43.72 13.12	
23 21 13 23-2522 Polyethylene Pipe And Fittings <small>(23 21 13 23)</small>		
23 21 13 23-2523 Small Diameter Tubing <small>(23 21 13 23-2522)</small>		
23 21 13 23-2524 Tubing <small>(23 21 13 23-2523)</small>		
23 21 13 23-2525 LF 1/4" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	4.29 1.23	
23 21 13 23-2526 LF 5/16" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	4.55 1.25	
23 21 13 23-2527 LF 3/8" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	4.74 1.28	
23 21 13 23-2528 LF 1/2" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	4.97 1.38	
23 21 13 23-2529 Chrome Plated Pipe <small>(23 21 13 23)</small>		
23 21 13 23-2530 Chrome Plated Nipples <small>(23 21 13 23-2529)</small>		
23 21 13 23-2531 Close <small>(23 21 13 23-2530)</small>		
23 21 13 23-2532 EA 1/4" Diameter Chrome Plated Nipple, Close.....	24.96	11.77
23 21 13 23-2533 EA 3/8" Diameter Chrome Plated Nipple, Close.....	24.29	12.80
23 21 13 23-2534 EA 1/2" Diameter Chrome Plated Nipple, Close.....	29.87	14.72
23 21 13 23-2535 EA 3/4" Diameter Chrome Plated Nipple, Close.....	39.01	18.69
23 21 13 23-2536 EA 1" Diameter Chrome Plated Nipple, Close.....	52.12	24.57
23 21 13 23-2537 EA 1-1/4" Diameter Chrome Plated Nipple, Close.....	73.71	34.28
23 21 13 23-2538 EA 1-1/2" Diameter Chrome Plated Nipple, Close.....	89.48	40.18
23 21 13 23-2539 EA 2" Diameter Chrome Plated Nipple, Close.....	114.83	50.04
23 21 13 23-2540 1-1/2" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2541 EA 1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	26.58	12.22
23 21 13 23-2542 EA 3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	25.58	13.24

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2543 EA 1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	30.65	15.16
23 21 13 23-2544 EA 3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	40.34	19.13
23 21 13 23-2545 2" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2546 EA 1/4" Diameter, 2" Length, Chrome Plated Nipple.....	27.64	12.80
23 21 13 23-2547 EA 3/8" Diameter, 2" Length, Chrome Plated Nipple.....	26.47	13.68
23 21 13 23-2548 EA 1/2" Diameter, 2" Length, Chrome Plated Nipple.....	32.83	15.74
23 21 13 23-2549 EA 3/4" Diameter, 2" Length, Chrome Plated Nipple.....	42.22	19.58
23 21 13 23-2550 EA 1" Diameter, 2" Length, Chrome Plated Nipple.....	55.00	25.46
23 21 13 23-2551 EA 1-1/4" Diameter, 2" Length, Chrome Plated Nipple.....	78.26	35.32
23 21 13 23-2552 EA 1-1/2" Diameter, 2" Length, Chrome Plated Nipple.....	94.71	41.20
23 21 13 23-2553 2-1/2" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2554 EA 1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	29.17	13.24
23 21 13 23-2555 EA 3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	27.44	14.28
23 21 13 23-2556 EA 1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	34.19	16.19
23 21 13 23-2557 EA 3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	43.24	20.16
23 21 13 23-2558 EA 1" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	56.51	26.05
23 21 13 23-2559 EA 1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	82.52	35.76
23 21 13 23-2560 EA 1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	100.35	41.64
23 21 13 23-2561 EA 2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	127.23	51.51
23 21 13 23-2562 3" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2563 EA 1/4" Diameter, 3" Length, Chrome Plated Nipple.....	30.38	13.68
23 21 13 23-2564 EA 3/8" Diameter, 3" Length, Chrome Plated Nipple.....	28.97	14.72
23 21 13 23-2565 EA 1/2" Diameter, 3" Length, Chrome Plated Nipple.....	33.68	15.74
23 21 13 23-2566 EA 3/4" Diameter, 3" Length, Chrome Plated Nipple.....	46.38	20.60
23 21 13 23-2567 EA 1" Diameter, 3" Length, Chrome Plated Nipple.....	62.77	26.49
23 21 13 23-2568 EA 1-1/4" Diameter, 3" Length, Chrome Plated Nipple.....	87.15	36.35
23 21 13 23-2569 EA 1-1/2" Diameter, 3" Length, Chrome Plated Nipple.....	113.44	42.24
23 21 13 23-2570 EA 2" Diameter, 3" Length, Chrome Plated Nipple.....	137.53	52.09
23 21 13 23-2571 3-1/2" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2572 EA 1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	31.72	14.28
23 21 13 23-2573 EA 3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	31.51	15.16
23 21 13 23-2574 EA 1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	37.08	17.22
23 21 13 23-2575 EA 3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	50.97	21.04
23 21 13 23-2576 EA 1" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	65.28	26.93
23 21 13 23-2577 EA 1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	96.13	36.79
23 21 13 23-2578 EA 1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	117.47	42.68
23 21 13 23-2579 EA 2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	145.75	52.53
23 21 13 23-2580 4" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2581 EA 1/4" Diameter, 4" Length, Chrome Plated Nipple.....	33.05	14.72
23 21 13 23-2582 EA 3/8" Diameter, 4" Length, Chrome Plated Nipple.....	32.32	15.74
23 21 13 23-2583 EA 1/2" Diameter, 4" Length, Chrome Plated Nipple.....	37.24	16.63
23 21 13 23-2584 EA 3/4" Diameter, 4" Length, Chrome Plated Nipple.....	52.85	21.64
23 21 13 23-2585 EA 1" Diameter, 4" Length, Chrome Plated Nipple.....	67.66	27.52
23 21 13 23-2586 EA 1-1/4" Diameter, 4" Length, Chrome Plated Nipple.....	103.00	37.23
23 21 13 23-2587 EA 1-1/2" Diameter, 4" Length, Chrome Plated Nipple.....	125.59	43.12
23 21 13 23-2588 EA 2" Diameter, 4" Length, Chrome Plated Nipple.....	155.76	52.98
23 21 13 23-2589 4-1/2" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2590 EA 1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	34.26	15.16
23 21 13 23-2591 EA 3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	34.84	16.19
23 21 13 23-2592 EA 1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	40.80	18.10
23 21 13 23-2593 EA 3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	55.00	22.08
23 21 13 23-2594 EA 1" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	75.59	27.96
23 21 13 23-2595 EA 1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	109.59	37.82
23 21 13 23-2596 EA 1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	129.27	43.71
23 21 13 23-2597 EA 2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	164.98	53.57
23 21 13 23-2598 5" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2599 EA 1/4" Diameter, 5" Length, Chrome Plated Nipple.....	38.08	15.74
23 21 13 23-2600 EA 3/8" Diameter, 5" Length, Chrome Plated Nipple.....	36.47	16.63
23 21 13 23-2601 EA 1/2" Diameter, 5" Length, Chrome Plated Nipple.....	42.23	18.69
23 21 13 23-2602 EA 3/4" Diameter, 5" Length, Chrome Plated Nipple.....	57.06	22.51
23 21 13 23-2603 EA 1" Diameter, 5" Length, Chrome Plated Nipple.....	80.46	28.40
23 21 13 23-2604 EA 1-1/4" Diameter, 5" Length, Chrome Plated Nipple.....	115.60	38.27
23 21 13 23-2605 EA 1-1/2" Diameter, 5" Length, Chrome Plated Nipple.....	137.43	44.15
23 21 13 23-2606 EA 2" Diameter, 5" Length, Chrome Plated Nipple.....	170.97	54.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2607 5-1/2" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2608 EA 1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	39.32	16.19
23 21 13 23-2609 EA 3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	37.78	17.22
23 21 13 23-2610 EA 1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	46.04	19.13
23 21 13 23-2611 EA 3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	59.12	23.10
23 21 13 23-2612 EA 1" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	83.06	28.99
23 21 13 23-2613 EA 1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	122.84	38.70
23 21 13 23-2614 EA 1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	143.95	44.59
23 21 13 23-2615 EA 2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	178.58	54.45
23 21 13 23-2616 6" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2617 EA 1/4" Diameter, 6" Length, Chrome Plated Nipple.....	40.75	16.63
23 21 13 23-2618 EA 3/8" Diameter, 6" Length, Chrome Plated Nipple.....	38.56	17.66
23 21 13 23-2619 EA 1/2" Diameter, 6" Length, Chrome Plated Nipple.....	47.37	19.58
23 21 13 23-2620 EA 3/4" Diameter, 6" Length, Chrome Plated Nipple.....	60.81	23.55
23 21 13 23-2621 EA 1" Diameter, 6" Length, Chrome Plated Nipple.....	90.76	29.43
23 21 13 23-2622 EA 1-1/4" Diameter, 6" Length, Chrome Plated Nipple.....	127.35	39.29
23 21 13 23-2623 EA 1-1/2" Diameter, 6" Length, Chrome Plated Nipple.....	153.93	45.18
23 21 13 23-2624 EA 2" Diameter, 6" Length, Chrome Plated Nipple.....	185.56	55.04
23 21 13 23-2625 8" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2626 EA 3/8" Diameter, 8" Length, Chrome Plated Nipple.....	45.52	18.69
23 21 13 23-2627 EA 1/2" Diameter, 8" Length, Chrome Plated Nipple.....	65.90	20.60
23 21 13 23-2628 EA 3/4" Diameter, 8" Length, Chrome Plated Nipple.....	80.01	24.57
23 21 13 23-2629 EA 1" Diameter, 8" Length, Chrome Plated Nipple.....	105.92	30.46
23 21 13 23-2630 EA 1-1/4" Diameter, 8" Length, Chrome Plated Nipple.....	151.29	40.18
23 21 13 23-2631 EA 1-1/2" Diameter, 8" Length, Chrome Plated Nipple.....	185.17	46.06
23 21 13 23-2632 EA 2" Diameter, 8" Length, Chrome Plated Nipple.....	227.98	55.92
23 21 13 23-2633 10" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2634 EA 3/8" Diameter, 10" Length, Chrome Plated Nipple.....	51.95	18.69
23 21 13 23-2635 EA 1/2" Diameter, 10" Length, Chrome Plated Nipple.....	73.99	20.60
23 21 13 23-2636 EA 3/4" Diameter, 10" Length, Chrome Plated Nipple.....	89.39	24.57
23 21 13 23-2637 EA 1" Diameter, 10" Length, Chrome Plated Nipple.....	120.11	30.46
23 21 13 23-2638 EA 1-1/4" Diameter, 10" Length, Chrome Plated Nipple.....	181.66	40.18
23 21 13 23-2639 EA 1-1/2" Diameter, 10" Length, Chrome Plated Nipple.....	208.31	46.06
23 21 13 23-2640 EA 2" Diameter, 10" Length, Chrome Plated Nipple.....	264.97	55.92
23 21 13 23-2641 12" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2642 EA 3/8" Diameter, 12" Length, Chrome Plated Nipple.....	57.92	20.60
23 21 13 23-2643 EA 1/2" Diameter, 12" Length, Chrome Plated Nipple.....	77.46	21.64
23 21 13 23-2644 EA 3/4" Diameter, 12" Length, Chrome Plated Nipple.....	98.42	25.46
23 21 13 23-2645 EA 1" Diameter, 12" Length, Chrome Plated Nipple.....	140.34	32.37
23 21 13 23-2646 EA 1-1/4" Diameter, 12" Length, Chrome Plated Nipple.....	203.23	42.24
23 21 13 23-2647 EA 2" Diameter, 12" Length, Chrome Plated Nipple.....	297.56	57.98
23 21 13 23-2648 18" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2649 EA 3/8" Diameter, 18" Length, Chrome Plated Nipple.....	72.95	21.64
23 21 13 23-2650 24" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2651 EA 3/8" Diameter, 24" Length, Chrome Plated Nipple.....	87.32	22.51
23 21 13 23-2652 30" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2653 EA 3/8" Diameter, 30" Length, Chrome Plated Nipple.....	96.57	23.55
23 21 13 23-2654 36" Nipples <small>(23 21 13 23-2530)</small>		
23 21 13 23-2655 EA 3/8" Diameter, 36" Length, Chrome Plated Nipple.....	105.83	24.57
23 21 13 23-2656 Chrome Plated Fittings <small>(23 21 13 23-2656)</small>		
23 21 13 23-2657 Chrome Plated 90 Degree Elbows <small>(23 21 13 23-2656)</small>		
23 21 13 23-2658 EA 1/4" 90 Degree Elbow, Chrome Plated.....	31.41	13.68
23 21 13 23-2659 EA 3/8" 90 Degree Elbow, Chrome Plated.....	32.20	14.72
23 21 13 23-2660 EA 1/2" 90 Degree Elbow, Chrome Plated.....	36.05	15.74
23 21 13 23-2661 EA 3/4" 90 Degree Elbow, Chrome Plated.....	46.13	20.60
23 21 13 23-2662 EA 1" 90 Degree Elbow, Chrome Plated.....	62.32	26.49
23 21 13 23-2663 EA 1-1/4" 90 Degree Elbow, Chrome Plated.....	94.95	36.35
23 21 13 23-2664 EA 1-1/2" 90 Degree Elbow, Chrome Plated.....	113.77	42.24
23 21 13 23-2665 EA 2" 90 Degree Elbow, Chrome Plated.....	154.56	52.09

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2666			Chrome Plated Street 90 Degree Elbows (23 21 13 23-2656)		
23 21 13 23-2667	EA		1/4" Street 90 Degree Elbow, Chrome Plated.....	35.94	13.68
23 21 13 23-2668	EA		3/8" Street 90 Degree Elbow, Chrome Plated.....	37.17	14.72
23 21 13 23-2669	EA		1/2" Street 90 Degree Elbow, Chrome Plated.....	39.51	15.74
23 21 13 23-2670	EA		3/4" Street 90 Degree Elbow, Chrome Plated.....	51.21	20.60
23 21 13 23-2671	EA		1" Street 90 Degree Elbow, Chrome Plated.....	71.72	26.49
23 21 13 23-2672	EA		1-1/4" Street 90 Degree Elbow, Chrome Plated.....	104.58	36.35
23 21 13 23-2673	EA		1-1/2" Street 90 Degree Elbow, Chrome Plated.....	127.27	42.24
23 21 13 23-2674	EA		2" Street 90 Degree Elbow, Chrome Plated.....	186.34	52.09
23 21 13 23-2675			Chrome Plated 45 Degree Elbows (23 21 13 23-2656)		
23 21 13 23-2676	EA		1/4" 45 Degree Elbow, Chrome Plated.....	32.41	13.68
23 21 13 23-2677	EA		3/8" 45 Degree Elbow, Chrome Plated.....	33.63	14.72
23 21 13 23-2678	EA		1/2" 45 Degree Elbow, Chrome Plated.....	37.08	15.74
23 21 13 23-2679	EA		3/4" 45 Degree Elbow, Chrome Plated.....	50.01	20.60
23 21 13 23-2680	EA		1" 45 Degree Elbow, Chrome Plated.....	66.68	26.49
23 21 13 23-2681	EA		1-1/4" 45 Degree Elbow, Chrome Plated.....	100.17	36.35
23 21 13 23-2682	EA		1-1/2" 45 Degree Elbow, Chrome Plated.....	120.76	42.24
23 21 13 23-2683	EA		2" 45 Degree Elbow, Chrome Plated.....	173.78	52.09
23 21 13 23-2684			Chrome Plated Street 45 Degree Elbows (23 21 13 23-2656)		
23 21 13 23-2685	EA		1/2" Street 45 Degree Elbow, Chrome Plated.....	43.30	15.74
23 21 13 23-2686			Chrome Plated Couplings (23 21 13 23-2656)		
23 21 13 23-2687	EA		1/4" Coupling, Chrome Plated.....	30.80	13.68
23 21 13 23-2688	EA		3/8" Coupling, Chrome Plated.....	32.28	14.72
23 21 13 23-2689	EA		1/2" Coupling, Chrome Plated.....	36.31	15.74
23 21 13 23-2690	EA		3/4" Coupling, Chrome Plated.....	46.22	20.60
23 21 13 23-2691	EA		1" Coupling, Chrome Plated.....	60.17	26.49
23 21 13 23-2692	EA		1-1/4" Coupling, Chrome Plated.....	87.11	36.35
23 21 13 23-2693	EA		1-1/2" Coupling, Chrome Plated.....	107.21	42.24
23 21 13 23-2694	EA		2" Coupling, Chrome Plated.....	146.55	52.09
23 21 13 23-2695			Chrome Plated Unions (23 21 13 23-2656)		
23 21 13 23-2696	EA		1/4" Union, Chrome Plated.....	48.17	15.74
23 21 13 23-2697	EA		3/8" Union, Chrome Plated.....	49.65	16.63
23 21 13 23-2698	EA		1/2" Union, Chrome Plated.....	59.72	18.69
23 21 13 23-2699	EA		3/4" Union, Chrome Plated.....	74.34	24.57
23 21 13 23-2700	EA		1" Union, Chrome Plated.....	94.09	31.35
23 21 13 23-2701	EA		1-1/4" Union, Chrome Plated.....	150.81	42.24
23 21 13 23-2702	EA		1-1/2" Union, Chrome Plated.....	187.27	50.04
23 21 13 23-2703	EA		2" Union, Chrome Plated.....	243.48	60.93
23 21 13 23-2704			Chrome Plated Caps (23 21 13 23-2656)		
23 21 13 23-2705	EA		1/4" Cap, Chrome Plated.....	20.25	6.92
23 21 13 23-2706	EA		3/8" Cap, Chrome Plated.....	20.97	7.36
23 21 13 23-2707	EA		1/2" Cap, Chrome Plated.....	23.84	7.80
23 21 13 23-2708	EA		3/4" Cap, Chrome Plated.....	29.84	10.31
23 21 13 23-2709	EA		1" Cap, Chrome Plated.....	35.67	13.24
23 21 13 23-2710	EA		1-1/4" Cap, Chrome Plated.....	52.36	18.10
23 21 13 23-2711	EA		1-1/2" Cap, Chrome Plated.....	68.42	21.04
23 21 13 23-2712	EA		2" Cap, Chrome Plated.....	99.37	27.52
23 21 13 23-2713			Chrome Plated Plugs (23 21 13 23-2656)		
23 21 13 23-2714	EA		1/4" Plug, Chrome Plated.....	16.79	6.92
23 21 13 23-2715	EA		3/8" Plug, Chrome Plated.....	17.51	7.36
23 21 13 23-2716	EA		1/2" Plug, Chrome Plated.....	20.20	7.80
23 21 13 23-2717	EA		3/4" Plug, Chrome Plated.....	27.25	10.31
23 21 13 23-2718	EA		1" Plug, Chrome Plated.....	33.69	13.24
23 21 13 23-2719	EA		1-1/4" Plug, Chrome Plated.....	45.56	18.10
23 21 13 23-2720	EA		1-1/2" Plug, Chrome Plated.....	55.95	21.04
23 21 13 23-2721	EA		2" Plug, Chrome Plated.....	77.67	27.52
23 21 13 23-2722			Chrome Plated Tees (23 21 13 23-2656)		
23 21 13 23-2723	EA		1/4" Chrome Plated Tee.....	43.95	20.60
23 21 13 23-2724	EA		3/8" Chrome Plated Tee.....	46.89	22.51
23 21 13 23-2725	EA		1/2" Chrome Plated Tee.....	52.13	24.57
23 21 13 23-2726	EA		3/4" Chrome Plated Tee.....	64.91	30.46
23 21 13 23-2727	EA		1" Chrome Plated Tee.....	91.49	39.29
23 21 13 23-2728	EA		1-1/4" Chrome Plated Tee.....	126.11	54.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2729 EA 1-1/2" Chrome Plated Tee	160.20	62.84
23 21 13 23-2730 EA 2" Chrome Plated Tee.....	218.06	77.56
23 21 13 23-2731 Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2656)		
23 21 13 23-2732 EA 1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	49.83	24.57
23 21 13 23-2733 EA 3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	58.66	30.46
23 21 13 23-2734 Chrome Plated Bell Reducers (23 21 13 23-2656)		
23 21 13 23-2735 EA 1/2" x 3/8" Bell Reducer, Chrome Plated	54.00	24.57
23 21 13 23-2736 EA 3/4" x 1/2" Bell Reducer, Chrome Plated	65.86	30.46
23 21 13 23-2737 EA 1" x 1/2" Bell Reducer, Chrome Plated	83.79	39.29
23 21 13 23-2738 Chrome Plated Reducing Tees (23 21 13 23-2656)		
23 21 13 23-2739 EA 3/4" x 1/2" Reducing Tee, Chrome Plated	71.16	30.46
23 21 13 23-2740 Chrome Plated Bushings (23 21 13 23-2656)		
23 21 13 23-2741 EA 3/8" x 1/4" Bushing, Chrome Plated.....	16.69	6.92
23 21 13 23-2742 EA 1/2" x 1/4" Bushing, Chrome Plated	17.95	7.36
23 21 13 23-2743 EA 1/2" x 3/8" Bushing, Chrome Plated	18.69	7.80
23 21 13 23-2744 EA 3/4" x 1/2" Bushing, Chrome Plated.....	23.82	10.31
23 21 13 23-2745 EA 1" x 3/4" Bushing, Chrome Plated.....	34.36	13.24
23 21 13 23-2746 EA 1-1/4" x 1" Bushing, Chrome Plated.....	50.04	18.10
23 21 13 23-2747 Aluminum Tubing Assemblies (23 21 13 23)		
Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2748 LF 1/8" Inside Diameter Aluminum Pipe/Tubing Assembly	12.84	5.15
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2749 LF 3/16" Inside Diameter Aluminum Pipe/Tubing Assembly	14.63	5.88
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2750 LF 1/4" Inside Diameter Aluminum Pipe/Tubing Assembly	16.29	6.63
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2751 LF 5/16" Inside Diameter Aluminum Pipe/Tubing Assembly	17.84	7.36
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2752 LF 3/8" Inside Diameter Aluminum Pipe/Tubing Assembly	19.76	8.09
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2753 LF 1/2" Inside Diameter Aluminum Pipe/Tubing Assembly	22.64	8.83
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2754 LF 5/8" Inside Diameter Aluminum Pipe/Tubing Assembly	26.47	10.16
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2755 LF 3/4" Inside Diameter Aluminum Pipe/Tubing Assembly	32.46	11.52
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2756 LF 7/8" Inside Diameter Aluminum Pipe/Tubing Assembly	37.56	12.87
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2757 LF 1" Inside Diameter Aluminum Pipe/Tubing Assembly	44.81	13.55
23 21 16 Hydronic Piping Specialties (23 21)		
23 21 16 00-0001 Vent Valves (23 21 16)		
23 21 16 00-0002 EA 1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	89.23	22.09
23 21 16 00-0003 EA 1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	203.25	23.75
23 21 16 00-0004 EA 1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75).....	194.21	23.75
23 21 16 00-0005 EA 1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	200.54	23.75
23 21 16 00-0006 EA 3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	255.88	23.75
23 21 16 00-0007 EA 1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	191.73	23.75
23 21 16 00-0008 Threaded Inlet, Drip-Pan Elbow (23 21 16)		
23 21 16 00-0009 Cast Iron, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)		
23 21 16 00-0010 EA 2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	332.06	37.01
For Flanged Inlet, Add		126.11
23 21 16 00-0011 EA 3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	375.96	43.87
For Flanged Inlet, Add		135.37
23 21 16 00-0012 EA 3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	473.18	50.72
For Flanged Inlet, Add		182.63

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0013 EA 4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	704.88	57.58
For Flanged Inlet, Add	321.33	
23 21 16 00-0014 EA 5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	796.52	68.54
For Flanged Inlet, Add	355.21	
23 21 16 00-0015 EA 6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,106.08	86.36
For Flanged Inlet, Add	519.10	
23 21 16 00-0016 EA 8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	2,488.26	113.78
For Flanged Inlet, Add	1,381.31	
23 21 16 00-0017 Cast Steel, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)		
23 21 16 00-0018 EA 2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	675.83	37.01
For Flanged Inlet, Add	359.87	
23 21 16 00-0019 EA 3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	818.15	43.87
For Flanged Inlet, Add	436.06	
23 21 16 00-0020 EA 3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,160.30	50.72
For Flanged Inlet, Add	649.88	
23 21 16 00-0021 EA 4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,188.04	57.58
For Flanged Inlet, Add	649.88	
23 21 16 00-0022 EA 5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,700.07	68.54
For Flanged Inlet, Add	969.63	
23 21 16 00-0023 EA 6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,768.62	86.36
For Flanged Inlet, Add	969.63	
23 21 16 00-0024 EA 8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,905.58	113.78
For Flanged Inlet, Add	1,665.09	
23 21 16 00-0025 Y-Type Strainers (23 21 16)		
23 21 16 00-0026 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0027 EA 1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	89.04	16.48
For Galvanized Body, Add	20.97	
For Work In Restricted Working Space, Add	14.13	
23 21 16 00-0028 EA 1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	89.77	16.79
For Galvanized Body, Add	20.97	
For Work In Restricted Working Space, Add	14.35	
23 21 16 00-0029 EA 3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	114.81	22.67
For Galvanized Body, Add	25.02	
For Work In Restricted Working Space, Add	19.43	
23 21 16 00-0030 EA 1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	144.90	27.08
For Galvanized Body, Add	33.81	
For Work In Restricted Working Space, Add	23.18	
23 21 16 00-0031 EA 1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	188.33	33.49
For Galvanized Body, Add	46.32	
For Work In Restricted Working Space, Add	28.71	
23 21 16 00-0032 EA 1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	214.63	36.07
For Galvanized Body, Add	55.79	
For Work In Restricted Working Space, Add	30.92	
23 21 16 00-0033 EA 2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	289.52	41.21
For Galvanized Body, Add	85.88	
For Work In Restricted Working Space, Add	35.33	
23 21 16 00-0034 EA 2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	533.33	51.52
For Galvanized Body, Add	193.06	
For Work In Restricted Working Space, Add	44.16	
23 21 16 00-0035 EA 3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	688.47	64.48
For Galvanized Body, Add	252.23	
For Work In Restricted Working Space, Add	55.20	
23 21 16 00-0036 Flanged, 125 LB, Iron Body, Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0037 EA 1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer	338.62	154.57
For Galvanized Body, Add	72.47	
For Work In Restricted Working Space, Add	58.11	
23 21 16 00-0038 EA 2" Flanged, 125 LB, Iron Body, Y-Type Strainer	402.19	196.23
For Galvanized Body, Add	78.42	
For Work In Restricted Working Space, Add	73.61	
23 21 16 00-0039 EA 3" Flanged, 125 LB, Iron Body, Y-Type Strainer	687.09	250.26
For Galvanized Body, Add	186.95	
For Work In Restricted Working Space, Add	93.96	
23 21 16 00-0040 EA 4" Flanged, 125 LB, Iron Body, Y-Type Strainer	950.03	419.54
For Galvanized Body, Add	212.15	
For Work In Restricted Working Space, Add	157.72	
23 21 16 00-0041 EA 5" Flanged, 125 LB, Iron Body, Y-Type Strainer	1,002.07	422.56
For Galvanized Body, Add	237.34	
For Work In Restricted Working Space, Add	158.22	
23 21 16 00-0042 EA 6" Flanged, 125 LB, Iron Body, Y-Type Strainer	1,178.52	469.52
For Galvanized Body, Add	294.77	
For Work In Restricted Working Space, Add	176.70	
23 21 16 00-0043 EA 8" Flanged, 125 LB, Iron Body, Y-Type Strainer	1,906.35	599.93
For Galvanized Body, Add	580.55	
For Work In Restricted Working Space, Add	223.58	
23 21 16 00-0044 EA 10" Flanged, 125 LB, Iron Body, Y-Type Strainer	3,500.79	730.35
For Galvanized Body, Add	1,293.93	
For Work In Restricted Working Space, Add	273.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0045 EA 12" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,995.00 1,345.40 391.26	652.10
23 21 16 00-0046 Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047 EA 1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.38 50.22 14.35	16.79
23 21 16 00-0048 EA 3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.17 65.28 19.43	22.67
23 21 16 00-0049 EA 1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.65 82.23 23.18	27.08
23 21 16 00-0050 EA 1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.25 102.95 28.71	33.49
23 21 16 00-0051 EA 1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.70 133.71 30.92	36.07
23 21 16 00-0052 EA 2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	245.52 217.19 35.33	41.21
23 21 16 00-0053 EA 2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	358.06 358.45 44.16	51.52
23 21 16 00-0054 EA 3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	621.18 743.19 55.20	64.48
23 21 16 00-0055 EA 4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,050.48 1,410.44 66.24	77.28
23 21 16 00-0056 Flanged, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: With bolted cap.		
23 21 16 00-0057 EA 2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	612.32 220.18 73.61	196.23
23 21 16 00-0058 EA 2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	641.53 224.33 80.29	213.45
23 21 16 00-0059 EA 3" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	741.34 256.88 93.96	250.26
23 21 16 00-0060 EA 4" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,566.04 624.18 157.72	419.54
23 21 16 00-0061 EA 6" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,165.91 946.15 176.70	469.52
23 21 16 00-0062 EA 8" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,436.39 1,614.68 223.58	599.93
23 21 16 00-0063 EA 10" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	10,571.77 5,795.30 273.88	730.35
23 21 16 00-0064 Cast Iron Body, Suction Diffusers (23 21 16) Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0065 EA 2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	558.56 28.40	58.00
23 21 16 00-0066 EA 2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	587.60 31.55	64.33
23 21 16 00-0067 EA 2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	597.54 33.14	67.56
23 21 16 00-0068 EA 2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,139.76 80.29	213.45
23 21 16 00-0069 EA 3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	620.00 38.48	78.61
23 21 16 00-0070 EA 3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	698.86 38.48	78.61
23 21 16 00-0071 EA 3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,195.02 87.13	232.34
23 21 16 00-0072 EA 3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,222.44 93.96	250.26
23 21 16 00-0073 EA 4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,491.07 125.84	335.58
23 21 16 00-0074 EA 4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,759.70 157.72	419.54
23 21 16 00-0075 EA 6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	2,002.58 158.22	421.91

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0076 EA 6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	2,412.10	469.52
<i>For Work In Restricted Working Space, Add</i>	176.70	
23 21 16 00-0077 EA 8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	2,740.01	599.93
<i>For Work In Restricted Working Space, Add</i>	223.58	
23 21 16 00-0078 EA 8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	4,173.45	599.93
<i>For Work In Restricted Working Space, Add</i>	223.58	
23 21 16 00-0079 EA 10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	4,777.18	730.35
<i>For Work In Restricted Working Space, Add</i>	273.88	
23 21 16 00-0080 EA 10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser.....	5,561.17	730.35
<i>For Work In Restricted Working Space, Add</i>	273.88	
23 21 16 00-0081 Duplex Strainers <small>(23 21 16)</small>		
23 21 16 00-0082 Iron Body, Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21 16 00-0083 Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <small>(23 21 16 00-0082)</small>		
Note: With brass or stainless steel basket.		
23 21 16 00-0084 EA 3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	826.65	36.66
<i>For Work In Restricted Working Space, Add</i>	22.01	
23 21 16 00-0085 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	923.57	41.96
<i>For Work In Restricted Working Space, Add</i>	25.19	
23 21 16 00-0086 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	1,248.12	49.31
<i>For Work In Restricted Working Space, Add</i>	29.57	
23 21 16 00-0087 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	1,566.96	53.73
<i>For Work In Restricted Working Space, Add</i>	32.24	
23 21 16 00-0088 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	2,097.06	65.50
<i>For Work In Restricted Working Space, Add</i>	39.43	
23 21 16 00-0089 EA 2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	2,639.50	83.91
<i>For Work In Restricted Working Space, Add</i>	50.33	
23 21 16 00-0090 Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <small>(23 21 16 00-0082)</small>		
Note: With brass or stainless steel basket.		
23 21 16 00-0091 EA 2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	2,874.02	196.23
<i>For Work In Restricted Working Space, Add</i>	73.61	
23 21 16 00-0092 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	2,974.78	213.45
<i>For Work In Restricted Working Space, Add</i>	80.29	
23 21 16 00-0093 EA 3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	3,805.01	250.26
<i>For Work In Restricted Working Space, Add</i>	93.96	
23 21 16 00-0094 EA 4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	5,958.52	371.69
<i>For Work In Restricted Working Space, Add</i>	139.73	
23 21 16 00-0095 EA 6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	11,574.47	469.52
<i>For Work In Restricted Working Space, Add</i>	176.70	
23 21 16 00-0096 EA 8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	21,931.55	599.93
<i>For Work In Restricted Working Space, Add</i>	223.58	
23 21 16 00-0097 EA 10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	30,259.87	730.35
<i>For Work In Restricted Working Space, Add</i>	273.88	
23 21 16 00-0098 EA 12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	34,484.67	920.77
<i>For Work In Restricted Working Space, Add</i>	552.63	
23 21 16 00-0099 EA 14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	40,851.95	1,043.36
<i>For Work In Restricted Working Space, Add</i>	391.26	
23 21 16 00-0100 EA 16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	51,026.23	1,147.69
<i>For Work In Restricted Working Space, Add</i>	430.38	
23 21 16 00-0101 Bronze Body, Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21 16 00-0102 Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers <small>(23 21 16 00-0101)</small>		
Note: With brass or stainless steel basket.		
23 21 16 00-0103 EA 3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer.....	1,525.01	36.80
<i>For Work In Restricted Working Space, Add</i>	22.01	
23 21 16 00-0104 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer.....	1,692.56	41.96
<i>For Work In Restricted Working Space, Add</i>	25.19	
23 21 16 00-0105 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer.....	2,472.22	49.31
<i>For Work In Restricted Working Space, Add</i>	29.57	
23 21 16 00-0106 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer.....	3,246.17	53.73
<i>For Work In Restricted Working Space, Add</i>	32.24	
23 21 16 00-0107 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer.....	4,192.15	65.50
<i>For Work In Restricted Working Space, Add</i>	39.43	
23 21 16 00-0108 EA 2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer.....	5,150.47	83.91
<i>For Work In Restricted Working Space, Add</i>	50.33	
23 21 16 00-0109 Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers <small>(23 21 16 00-0101)</small>		
Note: With brass or stainless steel basket.		
23 21 16 00-0110 EA 2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer.....	5,895.03	196.23
<i>For Work In Restricted Working Space, Add</i>	73.61	
23 21 16 00-0111 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer.....	6,074.25	213.45
<i>For Work In Restricted Working Space, Add</i>	80.29	
23 21 16 00-0112 EA 3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer.....	8,316.91	250.26
<i>For Work In Restricted Working Space, Add</i>	93.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0113 EA 4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	13,099.09 139.73	371.69
23 21 16 00-0114 EA 6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	28,366.57 176.70	469.52
23 21 16 00-0115 Cast Steel Body, Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21 16 00-0116 Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers <small>(23 21 16 00-0115)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0117 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,368.79 25.20	41.96
23 21 16 00-0118 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,916.48 29.57	49.31
23 21 16 00-0119 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,458.51 32.24	53.73
23 21 16 00-0120 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,843.43 39.43	65.50
23 21 16 00-0121 Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers <small>(23 21 16 00-0115)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0122 EA 2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,995.42 73.61	196.23
23 21 16 00-0123 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,588.91 80.29	213.45
23 21 16 00-0124 EA 3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	8,652.71 93.96	250.26
23 21 16 00-0125 EA 4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	12,689.44 139.73	371.69
23 21 16 00-0126 EA 6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	21,609.12 176.70	469.52
23 21 16 00-0127 EA 8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	42,023.91 223.58	599.93
23 21 16 00-0128 Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21 16 00-0129 Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0128)</small> Note: With stainless steel basket.		
23 21 16 00-0130 EA 1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,674.20 25.20	41.96
23 21 16 00-0131 EA 1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,904.32 29.57	49.31
23 21 16 00-0132 EA 1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	7,120.30 32.24	53.73
23 21 16 00-0133 EA 2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	11,394.45 39.43	65.50
23 21 16 00-0134 Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0128)</small> Note: With stainless steel basket.		
23 21 16 00-0135 EA 2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	11,975.88 73.61	196.23
23 21 16 00-0136 EA 2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	12,593.20 80.29	213.45
23 21 16 00-0137 EA 3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	19,694.08 93.96	250.26
23 21 16 00-0138 EA 4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	24,096.86 139.73	371.69
23 21 16 00-0139 EA 6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	42,240.89 176.70	469.52
23 21 16 00-0140 EA 8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	77,928.78 223.58	599.93
23 21 16 00-0141 Pressure Regulating Valve <small>(23 21 16)</small>		
23 21 16 00-0142 Screwed Ends, Iron Body, Water Pressure Reducing Valves <small>(23 21 16 00-0141)</small> Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating		
23 21 16 00-0143 EA 1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	237.23 22.07	18.40
23 21 16 00-0144 EA 3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	290.34 24.53	20.60
23 21 16 00-0145 EA 1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	377.36 25.97	22.08
23 21 16 00-0146 EA 1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	635.63 29.43	24.72
23 21 16 00-0147 EA 1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	859.21 35.32	29.43

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0148 EA 2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	1,233.97	45.12
<i>For Work In Restricted Working Space, Add</i>	54.20	
23 21 16 00-0149 EA 2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,343.85	50.81
<i>For Work In Restricted Working Space, Add</i>	60.97	
23 21 16 00-0150 EA 3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve.....	1,477.18	147.01
<i>For Work In Restricted Working Space, Add</i>	67.74	
23 21 16 00-0151 Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0141)		
Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0152 Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0151)		
23 21 16 00-0153 EA 1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	393.51	24.73
<i>For Work In Restricted Working Space, Add</i>	29.64	
23 21 16 00-0154 EA 3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	496.74	35.04
<i>For Work In Restricted Working Space, Add</i>	42.06	
23 21 16 00-0155 EA 1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	636.33	42.69
<i>For Work In Restricted Working Space, Add</i>	51.35	
23 21 16 00-0156 EA 1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer.....	844.20	51.82
<i>For Work In Restricted Working Space, Add</i>	59.68	
23 21 16 00-0157 EA 1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer.....	1,123.52	58.89
<i>For Work In Restricted Working Space, Add</i>	67.94	
23 21 16 00-0158 EA 2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,315.75	82.24
<i>For Work In Restricted Working Space, Add</i>	82.25	
23 21 16 00-0159 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0151)		
Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0160 EA 2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	2,941.76	198.76
<i>For Work In Restricted Working Space, Add</i>	74.77	
23 21 16 00-0161 EA 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,653.54	233.03
<i>For Work In Restricted Working Space, Add</i>	87.50	
23 21 16 00-0162 EA 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	4,726.74	390.67
<i>For Work In Restricted Working Space, Add</i>	146.87	
23 21 16 00-0163 EA 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	11,584.11	437.38
<i>For Work In Restricted Working Space, Add</i>	164.60	
23 21 16 00-0164 Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0141)		
23 21 16 00-0165 Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0164)		
23 21 16 00-0166 EA 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,110.34	17.96
<i>For Work In Restricted Working Space, Add</i>	26.94	
23 21 16 00-0167 EA 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,154.15	17.96
<i>For Work In Restricted Working Space, Add</i>	26.94	
23 21 16 00-0168 EA 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,299.43	22.67
<i>For Work In Restricted Working Space, Add</i>	34.01	
23 21 16 00-0169 EA 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,705.24	28.85
<i>For Work In Restricted Working Space, Add</i>	43.28	
23 21 16 00-0170 EA 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,097.36	33.27
<i>For Work In Restricted Working Space, Add</i>	49.91	
23 21 16 00-0171 EA 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,837.65	39.15
<i>For Work In Restricted Working Space, Add</i>	58.74	
23 21 16 00-0172 Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0164)		
23 21 16 00-0173 EA 2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	4,743.12	198.76
<i>For Work In Restricted Working Space, Add</i>	74.77	
23 21 16 00-0174 EA 3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	5,846.94	233.03
<i>For Work In Restricted Working Space, Add</i>	87.50	
23 21 16 00-0175 EA 4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	8,868.75	390.67
<i>For Work In Restricted Working Space, Add</i>	146.87	
23 21 16 00-0176 EA 6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	19,347.06	437.38
<i>For Work In Restricted Working Space, Add</i>	164.60	
23 21 16 00-0177 Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves (23 21 16 00-0141)		
23 21 16 00-0178 EA 1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	264.14	19.13
23 21 16 00-0179 EA 3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	324.63	21.19
23 21 16 00-0180 EA 1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	425.18	22.51
23 21 16 00-0181 EA 1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	724.01	25.61
23 21 16 00-0182 EA 1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	981.10	30.60
23 21 16 00-0183 EA 2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,407.17	46.88
23 21 16 00-0184 EA 2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,524.62	51.07
23 21 16 00-0185 EA 3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,682.94	58.80



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0186				Screwed Ends, Bronze Body, Water Pressure Reducing Valves <small>(23 21 16 00-0141)</small> Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0187	EA			1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	204.30	18.40
23 21 16 00-0188	EA			3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	224.74	20.60
23 21 16 00-0189	EA			1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	275.56	22.81
23 21 16 00-0190	EA			1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	626.67	24.72
23 21 16 00-0191	EA			1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	682.02	29.43
23 21 16 00-0192	EA			2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	1,070.64	45.12
23 21 16 00-0193				Dual Unit Reducing And Relief Valve <small>(23 21 16)</small>		
23 21 16 00-0194	EA			1/2" Dual Unit Reducing And Relief Valve	232.29	44.90
23 21 16 00-0195				Safety Relief Valve <small>(23 21 16)</small> Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0196				Threaded Inlet, Bronze Body Safety Valves <small>(23 21 16 00-0195)</small> Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0197	EA			1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	96.20	18.40
23 21 16 00-0198	EA			3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	128.58	20.24
23 21 16 00-0199	EA			1" x 1" Threaded Inlet, Bronze Body Safety Valve	181.63	24.65
23 21 16 00-0200	EA			1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	229.71	26.12
23 21 16 00-0201	EA			1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	315.39	34.95
23 21 16 00-0202	EA			2" x 2" Threaded Inlet, Bronze Body Safety Valve	418.00	41.20
23 21 16 00-0203	EA			2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	478.27	51.51
23 21 16 00-0204				Threaded, Bronze Body, Temperature And Pressure Relief Valves <small>(23 21 16)</small>		
23 21 16 00-0205	EA			1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	103.20	37.52
				<i>For Cast Iron Body, Add</i>	52.35	
23 21 16 00-0206	EA			3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	131.92	45.03
				<i>For Cast Iron Body, Add</i>	72.93	
23 21 16 00-0207	EA			1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	191.03	60.04
				<i>For Cast Iron Body, Add</i>	116.15	
23 21 16 00-0208	EA			1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	302.60	64.31
				<i>For Cast Iron Body, Add</i>	246.85	
23 21 16 00-0209	EA			1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	495.46	72.11
				<i>For Cast Iron Body, Add</i>	472.21	
23 21 16 00-0210	EA			2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	580.72	103.65
				<i>For Cast Iron Body, Add</i>	514.20	
23 21 16 00-0211				Horizontal Steel Expansion Tanks <small>(23 21 16)</small> Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0212	EA			10 Gallon Horizontal Steel Expansion Tank	826.98	147.21
23 21 16 00-0213	EA			15 Gallon Horizontal Steel Expansion Tank	1,166.86	184.01
23 21 16 00-0214	EA			30 Gallon Horizontal Steel Expansion Tank	1,526.76	220.81
23 21 16 00-0215	EA			40 Gallon Horizontal Steel Expansion Tank	1,757.87	257.61
23 21 16 00-0216	EA			60 Gallon Horizontal Steel Expansion Tank	2,017.82	260.84
23 21 16 00-0217				Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks <small>(23 21 16)</small> Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0218	EA			7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,637.39	110.41
23 21 16 00-0219	EA			10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,715.35	128.80
23 21 16 00-0220	EA			21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,539.15	147.21
23 21 16 00-0221	EA			33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,648.60	165.60
23 21 16 00-0222	EA			44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,574.09	184.01
23 21 16 00-0223	EA			55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,773.13	202.41
23 21 16 00-0224	EA			68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,478.26	220.81
23 21 16 00-0225	EA			77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,793.54	239.21
23 21 16 00-0226	EA			90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,280.74	257.61
23 21 16 00-0227	EA			110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,441.51	294.42
23 21 16 00-0228	EA			132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	6,810.62	331.22
23 21 16 00-0229	EA			158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	7,804.39	368.02
23 21 16 00-0230	EA			211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	9,065.49	441.62
23 21 16 00-0231				Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX) <small>(23 21 16)</small> Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0232	EA			8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,860.17	110.41
23 21 16 00-0233	EA			11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,926.02	128.80
23 21 16 00-0234	EA			22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,742.56	147.21
23 21 16 00-0235	EA			34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,931.91	165.60
23 21 16 00-0236	EA			44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,716.95	184.01
23 21 16 00-0237	EA			56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,913.57	202.41
23 21 16 00-0238	EA			67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,761.58	220.81
23 21 16 00-0239	EA			77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,147.08	239.21
23 21 16 00-0240	EA			91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,689.98	257.61

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0241 EA 111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,843.48	294.42
23 21 16 00-0242 EA 132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,176.27	331.22
23 21 16 00-0243 EA 158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	8,320.17	368.02
23 21 16 00-0244 EA 211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	9,590.95	441.62
23 21 16 00-0245 Diaphragm Type (Residential Style) Steel Expansion Tanks (23 21 16)		
23 21 16 00-0246 EA 2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1).....	106.14	13.55
23 21 16 00-0247 EA 4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1).....	149.71	13.55
23 21 16 00-0248 Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks (23 21 16)		
23 21 16 00-0249 EA 15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,363.34	441.77
23 21 16 00-0250 EA 20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,412.16	441.77
23 21 16 00-0251 EA 30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,460.96	441.77
23 21 16 00-0252 EA 40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,587.85	441.77
23 21 16 00-0253 EA 47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,925.67	588.68
23 21 16 00-0254 EA 60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,218.04	588.98
23 21 16 00-0255 EA 80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,276.02	588.98
23 21 16 00-0256 EA 87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,334.00	588.98
23 21 16 00-0257 EA 120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,963.57	736.03
23 21 16 00-0258 EA 187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	7,879.05	736.03
23 21 16 00-0259 EA 264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	9,996.46	882.95
23 21 16 00-0260 ASME Construction Compression Tanks (23 21 16)		
Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.		
23 21 16 00-0261 EA 15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	1,208.26	259.09
For Galvanized Steel Tanks, Add	407.85	
23 21 16 00-0262 EA 24 Gallon, 13" x 51" ASME Construction Compression Tank.....	1,232.54	266.45
For Galvanized Steel Tanks, Add	413.86	
23 21 16 00-0263 EA 30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	1,341.75	275.28
For Galvanized Steel Tanks, Add	461.84	
23 21 16 00-0264 EA 40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	1,465.89	285.58
For Galvanized Steel Tanks, Add	515.82	
23 21 16 00-0265 EA 60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	1,703.89	301.78
For Galvanized Steel Tanks, Add	623.78	
23 21 16 00-0266 EA 80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	1,770.40	313.55
For Galvanized Steel Tanks, Add	647.77	
23 21 16 00-0267 EA 100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	2,183.92	341.52
For Galvanized Steel Tanks, Add	833.71	
23 21 16 00-0268 EA 120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank.....	2,378.83	366.55
For Galvanized Steel Tanks, Add	911.67	
23 21 16 00-0269 EA 144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank.....	2,952.52	413.66
For Galvanized Steel Tanks, Add	1,163.06	
23 21 16 00-0270 EA 180 Gallon, 30" x 60" ASME Construction Compression Tank.....	3,740.99	474.01
For Galvanized Steel Tanks, Add	1,511.46	
23 21 16 00-0271 EA 202 Gallon, 30" x 72" ASME Construction Compression Tank.....	4,473.88	525.52
For Galvanized Steel Tanks, Add	1,839.09	
23 21 16 00-0272 EA 230 Gallon, 30" x 84" ASME Construction Compression Tank.....	4,891.97	571.16
For Galvanized Steel Tanks, Add	2,013.03	
23 21 16 00-0273 EA 280 Gallon, 30" x 96" ASME Construction Compression Tank.....	6,163.33	627.10
For Galvanized Steel Tanks, Add	2,606.81	
23 21 16 00-0274 EA 306 Gallon, 30" x 108" ASME Construction Compression Tank.....	6,362.90	669.80
For Galvanized Steel Tanks, Add	2,673.84	
23 21 16 00-0275 EA 340 Gallon, 36" x 84" ASME Construction Compression Tank.....	8,174.57	719.84
For Galvanized Steel Tanks, Add	3,542.08	
23 21 16 00-0276 EA 550 Gallon, 36" x 96" ASME Construction Compression Tank.....	13,553.74	844.96
For Galvanized Steel Tanks, Add	6,136.84	
23 21 16 00-0277 Compression Tank Air Fittings (23 21 16)		
23 21 16 00-0278 EA 9" To 24" Diameter Compression Tank Air Fittings.....	239.87	41.21
23 21 16 00-0279 EA >100 Gallon Compression Tank Air Fittings.....	749.13	48.58
23 21 16 00-0280 Thermostatic Radiator Valves (23 21 16)		
Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0281 EA 1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015).....	93.49	23.75
23 21 16 00-0282 EA 3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020).....	115.63	32.00
23 21 16 00-0283 EA 1" Straight Thermostatic Radiator Valve (Danfoss 013G8025).....	151.63	38.74
23 21 16 00-0284 EA 1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032).....	228.62	49.08
23 21 16 00-0285 EA 1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014).....	93.49	23.75
23 21 16 00-0286 EA 3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019).....	115.63	32.00
23 21 16 00-0287 EA 1" Angle Thermostatic Radiator Valve (Danfoss 013G8024).....	151.63	38.74
23 21 16 00-0288 EA 1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031).....	228.62	49.08
23 21 16 00-0289 EA Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240).....	92.00	18.40
23 21 16 00-0290 EA Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922).....	151.65	25.76



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0291				Radiator Trap Repair Kits <small>(23 21 16)</small> Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0292	EA			1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031).....	154.38	
23 21 16 00-0293	EA			3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032).....	192.51	
23 21 16 00-0294	EA			1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026).....	193.55	
23 21 16 00-0295	EA			3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027).....	220.51	
23 21 16 00-0296	EA			1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028).....	510.58	
23 21 16 00-0297				Vortex Air Separators With Strainer <small>(23 21 16)</small> Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.		
23 21 16 00-0298	EA			2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	1,385.64	313.55
				<i>For 300 PSIG, Add</i>	136.62	
23 21 16 00-0299	EA			2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N).....	1,698.50	359.19
				<i>For 300 PSIG, Add</i>	172.99	
23 21 16 00-0300	EA			3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N).....	2,537.03	422.49
				<i>For 300 PSIG, Add</i>	284.55	
23 21 16 00-0301	EA			3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	2,709.45	447.30
				<i>For 300 PSIG, Add</i>	304.76	
23 21 16 00-0302	EA			4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	3,506.62	596.40
				<i>For 300 PSIG, Add</i>	390.45	
23 21 16 00-0303	EA			5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	4,399.18	709.48
				<i>For 300 PSIG, Add</i>	498.77	
23 21 16 00-0304	EA			6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	5,199.87	803.38
				<i>For 300 PSIG, Add</i>	597.39	
23 21 16 00-0305	EA			8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	7,378.04	963.80
				<i>For 300 PSIG, Add</i>	887.60	
23 21 16 00-0306	EA			10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F).....	11,155.66	1,095.53
				<i>For 300 PSIG, Add</i>	1,424.37	
23 21 16 00-0307	EA			12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	15,016.83	1,417.66
				<i>For 300 PSIG, Add</i>	1,930.31	
23 21 16 00-0308	EA			14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F).....	30,645.52	1,721.54
				<i>For 300 PSIG, Add</i>	4,205.57	
23 21 16 00-0309	EA			16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F).....	37,802.27	2,065.85
				<i>For 300 PSIG, Add</i>	5,200.83	
23 21 16 00-0310	EA			18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-18F).....	49,174.68	2,410.16
				<i>For 300 PSIG, Add</i>	6,828.44	
23 21 16 00-0311	EA			20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F).....	57,502.31	2,754.46
				<i>For 300 PSIG, Add</i>	7,999.33	
23 21 16 00-0312				Vortex Air Separators <small>(23 21 16)</small> Note: Without system strainer.		
23 21 16 00-0313	EA			2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,207.80	313.55
				<i>For 300 PSIG, Add</i>	109.94	
23 21 16 00-0314	EA			2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N).....	1,504.49	359.19
				<i>For 300 PSIG, Add</i>	143.89	
23 21 16 00-0315	EA			3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N).....	2,488.53	422.49
				<i>For 300 PSIG, Add</i>	277.28	
23 21 16 00-0316	EA			3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F).....	2,283.70	447.30
				<i>For 300 PSIG, Add</i>	240.90	
23 21 16 00-0317	EA			4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F).....	3,059.32	596.40
				<i>For 300 PSIG, Add</i>	323.35	
23 21 16 00-0318	EA			5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F).....	3,930.32	709.48
				<i>For 300 PSIG, Add</i>	428.44	
23 21 16 00-0319	EA			6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F).....	4,563.94	803.38
				<i>For 300 PSIG, Add</i>	502.00	
23 21 16 00-0320	EA			8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F).....	6,019.96	963.80
				<i>For 300 PSIG, Add</i>	683.89	
23 21 16 00-0321	EA			10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F).....	8,250.88	1,095.53
				<i>For 300 PSIG, Add</i>	988.65	
23 21 16 00-0322	EA			12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F).....	12,576.19	1,417.66
				<i>For 300 PSIG, Add</i>	1,564.22	
23 21 16 00-0323	EA			14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F).....	21,054.39	1,721.54
				<i>For 300 PSIG, Add</i>	2,766.90	
23 21 16 00-0324	EA			16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F).....	26,614.47	2,065.85
				<i>For 300 PSIG, Add</i>	3,522.66	
23 21 16 00-0325	EA			18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-18F).....	35,403.37	2,410.16
				<i>For 300 PSIG, Add</i>	4,762.74	
23 21 16 00-0326	EA			20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F).....	48,137.38	2,754.46
				<i>For 300 PSIG, Add</i>	6,594.59	
23 21 16 00-0327	EA			22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F).....	58,807.91	3,098.77
				<i>For 300 PSIG, Add</i>	8,116.92	
23 21 16 00-0328	EA			24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F).....	69,478.45	3,443.07
				<i>For 300 PSIG, Add</i>	9,639.25	
23 21 16 00-0329				Grooved, With Strainer, Vortex Air Separators <small>(23 21 16)</small>		
23 21 16 00-0330	EA			3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G).....	2,358.35	357.84
23 21 16 00-0331	EA			4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G).....	3,325.44	476.82
23 21 16 00-0332	EA			5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G).....	4,184.34	567.06
23 21 16 00-0333	EA			6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G).....	4,956.33	642.71
23 21 16 00-0334	EA			8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G).....	7,075.12	771.25

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0335 EA 10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G).....	11,244.01	876.42
23 21 16 00-0336 EA 12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G).....	17,015.53	1,134.26
23 21 16 00-0337 Grooved Vortex Air Separators (23 21 16)		
Note: Without system strainer.		
23 21 16 00-0338 EA 3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G).....	1,916.44	357.84
23 21 16 00-0339 EA 4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G).....	2,878.14	476.82
23 21 16 00-0340 EA 5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G).....	3,715.48	567.06
23 21 16 00-0341 EA 6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G).....	4,320.40	642.71
23 21 16 00-0342 EA 8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G).....	5,727.82	771.25
23 21 16 00-0343 EA 10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G).....	8,296.12	876.42
23 21 16 00-0344 EA 12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G).....	13,615.94	1,134.26
23 21 16 00-0345 Removable Head, Air Eliminator And Dirt Separator (23 21 16)		
Note: Spirovent VDN.		
23 21 16 00-0346 EA 2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,722.07	313.55
23 21 16 00-0347 EA 2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	4,038.69	359.19
23 21 16 00-0348 EA 3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	5,368.80	422.49
23 21 16 00-0349 EA 4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	6,204.00	647.71
23 21 16 00-0350 EA 5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	9,003.23	800.80
23 21 16 00-0351 EA 6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	11,536.42	906.80
23 21 16 00-0352 EA 8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	17,880.81	204.62
23 21 16 00-0353 EA 10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	26,249.70	1,236.54
23 21 16 00-0354 EA 12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	33,928.42	1,600.14
23 21 16 00-0355 Swivel Joints (23 21 16)		
23 21 16 00-0356 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) (23 21 16 00-0355)		
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0357 EA 1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	343.65	38.71
23 21 16 00-0358 EA 1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	494.34	56.67
23 21 16 00-0359 EA 2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	685.81	66.25
23 21 16 00-0360 EA 3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,030.72	113.35
23 21 16 00-0361 EA 3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,309.03	156.55
23 21 16 00-0362 EA 4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,703.52	419.54
23 21 16 00-0363 EA 6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	3,071.52	529.95
23 21 16 00-0364 Basket Strainers (23 21 16)		
23 21 16 00-0365 Bronze Body Basket Strainers (23 21 16 00-0364)		
23 21 16 00-0366 Screwed Ends, Bronze Body Basket Strainers (23 21 16 00-0365)		
23 21 16 00-0367 EA 1/2" Screwed Ends, Bronze Body Basket Strainer.....	298.52	29.44
<i>For Work In Restricted Working Space, Add</i>		
	17.52	
23 21 16 00-0368 EA 3/4" Screwed Ends, Bronze Body Basket Strainer.....	352.69	34.60
<i>For Work In Restricted Working Space, Add</i>		
	20.59	
23 21 16 00-0369 EA 1" Screwed Ends, Bronze Body Basket Strainer.....	409.79	41.21
<i>For Work In Restricted Working Space, Add</i>		
	24.54	
23 21 16 00-0370 EA 1-1/4" Screwed Ends, Bronze Body Basket Strainer.....	507.06	45.63
<i>For Work In Restricted Working Space, Add</i>		
	27.35	
23 21 16 00-0371 EA 1-1/2" Screwed Ends, Bronze Body Basket Strainer.....	597.30	51.52
<i>For Work In Restricted Working Space, Add</i>		
	30.89	
23 21 16 00-0372 EA 2" Screwed Ends, Bronze Body Basket Strainer.....	879.02	58.89
<i>For Work In Restricted Working Space, Add</i>		
	35.36	
23 21 16 00-0373 EA 2-1/2" Screwed Ends, Bronze Body Basket Strainer.....	1,240.77	78.76
<i>For Work In Restricted Working Space, Add</i>		
	47.37	
23 21 16 00-0374 EA 3" Screwed Ends, Bronze Body Basket Strainer.....	1,728.98	83.91
<i>For Work In Restricted Working Space, Add</i>		
	50.24	
23 21 16 00-0375 Flanged, Bronze Body Basket Strainers (23 21 16 00-0365)		
23 21 16 00-0376 EA 2" Flanged, Bronze Body Basket Strainer.....	1,398.83	196.23
<i>For Work In Restricted Working Space, Add</i>		
	73.61	
23 21 16 00-0377 EA 2-1/2" Flanged, Bronze Body Basket Strainer.....	2,072.40	213.45
<i>For Work In Restricted Working Space, Add</i>		
	80.29	
23 21 16 00-0378 EA 3" Flanged, Bronze Body Basket Strainer.....	2,353.36	250.26
<i>For Work In Restricted Working Space, Add</i>		
	93.96	
23 21 16 00-0379 EA 4" Flanged, Bronze Body Basket Strainer.....	3,978.32	419.54
<i>For Work In Restricted Working Space, Add</i>		
	157.72	
23 21 16 00-0380 EA 6" Flanged, Bronze Body Basket Strainer.....	7,415.68	469.52
<i>For Work In Restricted Working Space, Add</i>		
	176.70	
23 21 16 00-0381 EA 8" Flanged, Bronze Body Basket Strainer.....	13,417.80	599.93
<i>For Work In Restricted Working Space, Add</i>		
	223.58	
23 21 16 00-0382 Iron Body Basket Strainers (23 21 16 00-0364)		
23 21 16 00-0383 Screwed Ends, Iron Body Basket Strainers (23 21 16 00-0382)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0384 EA 1/2" Screwed Ends, Iron Body Basket Strainer.....	371.67	29.44
<i>For Work In Restricted Working Space, Add</i>	17.52	
23 21 16 00-0385 EA 3/4" Screwed Ends, Iron Body Basket Strainer.....	419.26	34.60
<i>For Work In Restricted Working Space, Add</i>	20.59	
23 21 16 00-0386 EA 1" Screwed Ends, Iron Body Basket Strainer.....	495.64	41.21
<i>For Work In Restricted Working Space, Add</i>	24.54	
23 21 16 00-0387 EA 1-1/4" Screwed Ends, Iron Body Basket Strainer.....	645.85	45.63
<i>For Work In Restricted Working Space, Add</i>	27.35	
23 21 16 00-0388 EA 1-1/2" Screwed Ends, Iron Body Basket Strainer.....	709.35	51.52
<i>For Work In Restricted Working Space, Add</i>	30.89	
23 21 16 00-0389 EA 2" Screwed Ends, Iron Body Basket Strainer.....	842.11	58.89
<i>For Work In Restricted Working Space, Add</i>	35.36	
23 21 16 00-0390 EA 2-1/2" Screwed Ends, Iron Body Basket Strainer.....	1,192.53	78.76
<i>For Work In Restricted Working Space, Add</i>	47.37	
23 21 16 00-0391 EA 3" Screwed Ends, Iron Body Basket Strainer.....	1,345.78	83.91
<i>For Work In Restricted Working Space, Add</i>	50.24	
23 21 16 00-0392 Flanged, Iron Body Basket Strainers (23 21 16 00-0382)		
23 21 16 00-0393 EA 2" Flanged, Iron Body Basket Strainer.....	870.91	196.23
<i>For Work In Restricted Working Space, Add</i>	73.61	
23 21 16 00-0394 EA 2-1/2" Flanged, Iron Body Basket Strainer.....	1,110.79	213.45
<i>For Work In Restricted Working Space, Add</i>	80.29	
23 21 16 00-0395 EA 3" Flanged, Iron Body Basket Strainer.....	1,210.74	250.26
<i>For Work In Restricted Working Space, Add</i>	93.96	
23 21 16 00-0396 EA 4" Flanged, Iron Body Basket Strainer.....	1,876.59	419.54
<i>For Work In Restricted Working Space, Add</i>	157.72	
23 21 16 00-0397 EA 6" Flanged, Iron Body Basket Strainer.....	3,218.16	469.52
<i>For Work In Restricted Working Space, Add</i>	176.70	
23 21 16 00-0398 EA 8" Flanged, Iron Body Basket Strainer.....	5,595.62	599.93
<i>For Work In Restricted Working Space, Add</i>	223.58	
23 21 16 00-0399 EA 10" Flanged, Iron Body Basket Strainer.....	8,211.14	730.35
<i>For Work In Restricted Working Space, Add</i>	273.88	
23 21 16 00-0400 EA 12" Flanged, Iron Body Basket Strainer.....	10,499.47	920.77
<i>For Work In Restricted Working Space, Add</i>	552.40	
23 21 16 00-0401 EA 14" Flanged, Iron Body Basket Strainer.....	12,228.85	1,043.36
<i>For Work In Restricted Working Space, Add</i>	391.26	
23 21 16 00-0402 EA 16" Flanged, Iron Body Basket Strainer.....	12,857.90	1,147.69
<i>For Work In Restricted Working Space, Add</i>	430.38	
23 21 16 00-0403 Cast Steel Body Basket Strainers (23 21 16 00-0364)		
23 21 16 00-0404 Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0403)		
23 21 16 00-0405 EA 1" Screwed Ends, Cast Steel Body Basket Strainer.....	907.94	41.21
<i>For Work In Restricted Working Space, Add</i>	24.54	
23 21 16 00-0406 EA 1-1/4" Screwed Ends, Cast Steel Body Basket Strainer.....	1,193.88	45.63
<i>For Work In Restricted Working Space, Add</i>	27.35	
23 21 16 00-0407 EA 1-1/2" Screwed Ends, Cast Steel Body Basket Strainer.....	1,345.65	51.52
<i>For Work In Restricted Working Space, Add</i>	30.88	
23 21 16 00-0408 EA 2" Screwed Ends, Cast Steel Body Basket Strainer.....	1,885.70	58.89
<i>For Work In Restricted Working Space, Add</i>	35.36	
23 21 16 00-0409 EA 2-1/2" Screwed Ends, Cast Steel Body Basket Strainer.....	2,643.33	78.76
<i>For Work In Restricted Working Space, Add</i>	47.36	
23 21 16 00-0410 EA 3" Screwed Ends, Cast Steel Body Basket Strainer.....	3,423.10	83.91
<i>For Work In Restricted Working Space, Add</i>	50.25	
23 21 16 00-0411 Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0403)		
23 21 16 00-0412 EA 2" Flanged, Cast Steel Body Basket Strainer.....	2,818.32	196.23
<i>For Work In Restricted Working Space, Add</i>	73.61	
23 21 16 00-0413 EA 2-1/2" Flanged, Cast Steel Body Basket Strainer.....	4,030.83	213.45
<i>For Work In Restricted Working Space, Add</i>	80.29	
23 21 16 00-0414 EA 3" Flanged, Cast Steel Body Basket Strainer.....	4,426.45	250.26
<i>For Work In Restricted Working Space, Add</i>	93.96	
23 21 16 00-0415 EA 4" Flanged, Cast Steel Body Basket Strainer.....	6,301.80	419.54
<i>For Work In Restricted Working Space, Add</i>	157.72	
23 21 16 00-0416 EA 6" Flanged, Cast Steel Body Basket Strainer.....	11,003.39	469.52
<i>For Work In Restricted Working Space, Add</i>	176.70	
23 21 16 00-0417 EA 8" Flanged, Cast Steel Body Basket Strainer.....	17,810.88	599.93
<i>For Work In Restricted Working Space, Add</i>	223.58	
23 21 16 00-0418 Stainless Steel Body Basket Strainers (23 21 16 00-0364)		
23 21 16 00-0419 Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0418)		
23 21 16 00-0420 EA 1" Screwed Ends, Stainless Steel Body Basket Strainer.....	565.48	41.21
<i>For Work In Restricted Working Space, Add</i>	24.54	
23 21 16 00-0421 EA 1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer.....	807.14	45.63
<i>For Work In Restricted Working Space, Add</i>	27.35	
23 21 16 00-0422 EA 1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer.....	835.64	51.52
<i>For Work In Restricted Working Space, Add</i>	30.88	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0423 EA 2" Screwed Ends, Stainless Steel Body Basket Strainer	1,226.55	58.89
<i>For Work In Restricted Working Space, Add</i>	35.36	
23 21 16 00-0424 EA 2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	1,731.08	78.76
<i>For Work In Restricted Working Space, Add</i>	47.36	
23 21 16 00-0425 EA 3" Screwed Ends, Stainless Steel Body Basket Strainer	2,430.33	83.91
<i>For Work In Restricted Working Space, Add</i>	50.25	
23 21 16 00-0426 Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0418)		
23 21 16 00-0427 EA 2" Flanged, Stainless Steel Body Basket Strainer.....	1,895.18	196.23
<i>For Work In Restricted Working Space, Add</i>	73.61	
23 21 16 00-0428 EA 2-1/2" Flanged, Stainless Steel Body Basket Strainer	2,836.97	213.45
<i>For Work In Restricted Working Space, Add</i>	80.29	
23 21 16 00-0429 EA 3" Flanged, Stainless Steel Body Basket Strainer.....	3,215.36	250.26
<i>For Work In Restricted Working Space, Add</i>	93.96	
23 21 16 00-0430 EA 4" Flanged, Stainless Steel Body Basket Strainer.....	5,434.52	419.54
<i>For Work In Restricted Working Space, Add</i>	157.72	
23 21 16 00-0431 EA 6" Flanged, Stainless Steel Body Basket Strainer.....	8,251.47	469.52
<i>For Work In Restricted Working Space, Add</i>	176.70	
23 21 16 00-0432 EA 8" Flanged, Stainless Steel Body Basket Strainer.....	14,250.38	599.93
<i>For Work In Restricted Working Space, Add</i>	223.58	
23 21 16 00-0433 Air Vents (23 21 16)		
23 21 16 00-0434 Screwed Ends, Cast Iron, Automatic Air Vents (23 21 16 00-0433)		
Note: With guided free floating lever.		
23 21 16 00-0435 EA 1/2" NPT, Cast Iron, Automatic Air Vent	429.71	42.69
23 21 16 00-0436 EA 3/4" NPT, Cast Iron, Automatic Air Vent	525.50	56.67
23 21 16 00-0437 EA 1" NPT, Cast Iron, Automatic Air Vent	1,209.00	58.89
23 21 16 00-0438 EA 1-1/4" NPT, Cast Iron, Automatic Air Vent	1,792.18	90.98
23 21 16 00-0439 EA 1-1/2" NPT, Cast Iron, Automatic Air Vent	2,996.70	97.89
23 21 16 00-0440 EA 2" NPT, Cast Iron, Automatic Air Vent	3,438.32	129.10
23 21 16 00-0441 Forged Steel, Stainless Steel Internals, Automatic Air Vents (23 21 16 00-0433)		
Note: With guided free floating lever.		
23 21 16 00-0442 EA 1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,402.81	49.31
23 21 16 00-0443 EA 3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,010.79	56.67
23 21 16 00-0444 EA 1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,591.47	58.89
23 21 16 00-0445 EA 1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	5,892.01	91.27
23 21 16 00-0446 EA 1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,804.20	97.89
23 21 16 00-0447 EA 2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	10,001.30	128.80
23 21 16 00-0448 Automatic Air Vent (23 21 16 00-0433)		
23 21 16 00-0449 EA 3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	265.72	56.67
23 21 16 00-0450 EA 1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	289.59	58.89
23 21 16 00-0451 EA 1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	413.30	90.98
23 21 16 00-0452 EA 1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	504.67	97.89
23 21 16 00-0453 EA 2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	635.75	105.49
23 21 16 00-0454 Manual Air Vent (23 21 16 00-0433)		
23 21 16 00-0455 EA Manual Air Vent	96.78	53.14
23 21 16 00-0456 Air Release Valves (23 21 16 00-0433)		
23 21 16 00-0457 Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) (23 21 16 00-0456)		
Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0458 EA 1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	207.16	22.09
23 21 16 00-0459 EA 3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	213.06	25.02
23 21 16 00-0460 EA 1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	224.82	30.92
23 21 16 00-0461 Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) (23 21 16 00-0456)		
Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0462 EA 1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A).....	823.52	30.92
23 21 16 00-0463 EA 2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	994.90	53.73
23 21 16 00-0464 EA 3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,307.95	125.28
23 21 16 00-0465 Cast Iron, Air/Vacuum Valves (23 21 16 00-0456)		
Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0466 EA 1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	401.21	22.09
23 21 16 00-0467 EA 1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	496.49	30.92
23 21 16 00-0468 EA 2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	857.78	53.73
23 21 16 00-0469 EA 3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,245.85	125.28
23 21 16 00-0470 EA 4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	1,952.38	210.30
23 21 16 00-0471 EA 6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153)	2,958.51	265.93



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

23 21 16 00-0472 Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (23 21 16 00-0456)

Note: Up to 150 psi. Stainless Steel float.

23 21 16 00-0473	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C)		713.82	30.92
23 21 16 00-0474	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C)		1,098.40	53.73
23 21 16 00-0475	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C)		2,009.11	125.28
23 21 16 00-0476	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C)		2,617.31	210.30

23 21 23 Hydronic Pumps (23 21)

23 21 23 13 In-Line Centrifugal Hydronic Pumps (23 21 23)

23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump (23 21 23 13)

Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.

23 21 23 13-0002	EA	3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump		5,475.98	393.08
		For Mechanical Seal, Add		343.79	
		For Cast Steel Case, Add		773.52	
23 21 23 13-0003	EA	5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump		6,033.63	475.76
		For Mechanical Seal, Add		368.55	
		For Cast Steel Case, Add		829.23	
23 21 23 13-0004	EA	7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump		6,991.58	565.23
		For Mechanical Seal, Add		423.78	
		For Cast Steel Case, Add		953.51	
23 21 23 13-0005	EA	10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump		7,971.21	753.63
		For Mechanical Seal, Add		456.97	
		For Cast Steel Case, Add		1,028.18	
23 21 23 13-0006	EA	15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump		9,089.53	821.40
		For Mechanical Seal, Add		530.00	
		For Cast Steel Case, Add		1,192.51	
23 21 23 13-0007	EA	30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump		13,210.22	904.08
		For Mechanical Seal, Add		839.94	
		For Cast Steel Case, Add		1,889.87	
23 21 23 13-0008	EA	40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump		15,601.94	1,129.10
		For Mechanical Seal, Add		977.06	
		For Cast Steel Case, Add		2,198.39	
23 21 23 13-0009	EA	50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump		21,377.69	1,290.39
		For Mechanical Seal, Add		1,400.40	
		For Cast Steel Case, Add		3,150.89	
23 21 23 13-0010	EA	75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump		26,854.09	1,352.46
		For Mechanical Seal, Add		1,823.73	
		For Cast Steel Case, Add		4,103.39	
23 21 23 13-0011	EA	100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump		29,627.65	1,738.50
		For Mechanical Seal, Add		1,952.87	
		For Cast Steel Case, Add		4,393.95	

23 21 23 13-0012 Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump (23 21 23 13)

Note: For general service, 125 LB flanged, 1,800 RPM TEFC motor.

23 21 23 13-0013	EA	1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		2,184.05	225.69
23 21 23 13-0014	EA	3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		3,739.34	257.95
23 21 23 13-0015	EA	1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		4,071.43	288.85
23 21 23 13-0016	EA	1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		4,290.40	314.06
23 21 23 13-0017	EA	2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		5,551.71	343.88
23 21 23 13-0018	EA	3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		5,732.15	380.07
23 21 23 13-0019	EA	5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		6,567.84	451.36
23 21 23 13-0020	EA	7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		7,669.70	555.60
23 21 23 13-0021	EA	10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		9,769.26	601.82
23 21 23 13-0022	EA	15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		11,358.08	637.20
23 21 23 13-0023	EA	20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		14,466.38	677.05
23 21 23 13-0024	EA	25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		15,251.46	699.69
23 21 23 13-0025	EA	30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		16,036.53	722.19
23 21 23 13-0026	EA	40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		18,965.02	773.83
23 21 23 13-0027	EA	50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		20,313.49	808.82
23 21 23 13-0028	EA	60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		22,636.25	1,168.23
23 21 23 13-0029	EA	75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		27,387.68	2,336.47
23 21 23 13-0030	EA	100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump		31,564.56	2,803.75

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)		7,522.87	429.68
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)		8,434.14	430.22
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)		11,115.26	565.23
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)		12,190.76	695.35
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)		13,634.39	695.35

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	13,272.89	753.63
23 21	23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	14,093.66	753.63
23 21	23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	15,396.67	790.23
23 21	23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	17,153.27	1,004.40
23 21	23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	18,162.39	1,129.10
23 21	23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	27,335.49	2,456.17
23 21	23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	39,678.19	2,946.88
23 21	23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	44,972.42	3,683.61

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21	23 16-0016	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	5,596.12	315.82
			<i>For 300 LB Flanges, Add</i>	1,256.65	
23 21	23 16-0017	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	7,007.95	338.87
			<i>For 300 LB Flanges, Add</i>	1,624.91	
23 21	23 16-0018	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	8,764.82	361.91
			<i>For 300 LB Flanges, Add</i>	2,040.60	
23 21	23 16-0019	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	10,263.51	429.68
			<i>For 300 LB Flanges, Add</i>	2,372.24	
23 21	23 16-0020	EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	10,786.35	430.22
			<i>For 300 LB Flanges, Add</i>	2,493.27	
23 21	23 16-0021	EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	11,366.16	565.23
			<i>For 300 LB Flanges, Add</i>	2,587.39	
23 21	23 16-0022	EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	11,607.16	565.23
			<i>For 300 LB Flanges, Add</i>	2,647.64	
23 21	23 16-0023	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,141.00	565.23
			<i>For 300 LB Flanges, Add</i>	2,781.10	
23 21	23 16-0024	EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,133.61	695.35
			<i>For 300 LB Flanges, Add</i>	3,220.61	
23 21	23 16-0025	EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,370.05	694.81
			<i>For 300 LB Flanges, Add</i>	3,267.10	
23 21	23 16-0026	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,138.31	753.63
			<i>For 300 LB Flanges, Add</i>	3,445.71	
23 21	23 16-0027	EA	25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	16,598.47	790.23
			<i>For 300 LB Flanges, Add</i>	3,783.67	
23 21	23 16-0028	EA	30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	18,450.58	1,004.40
			<i>For 300 LB Flanges, Add</i>	4,160.83	
23 21	23 16-0029	EA	40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	20,921.00	1,129.10
			<i>For 300 LB Flanges, Add</i>	4,721.95	
23 21	23 16-0030	EA	60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	32,948.11	2,456.17
			<i>For 300 LB Flanges, Add</i>	7,053.01	
23 21	23 16-0031	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	39,209.02	2,946.88
			<i>For 300 LB Flanges, Add</i>	8,381.43	
23 21	23 16-0032	EA	100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	47,895.34	3,683.61
			<i>For 300 LB Flanges, Add</i>	10,197.81	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21	23 16-0034	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	5,389.09	315.82
			<i>For 300 LB Flanges, Add</i>	1,204.89	
23 21	23 16-0035	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	5,546.90	338.87
			<i>For 300 LB Flanges, Add</i>	1,234.22	
23 21	23 16-0036	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	5,704.89	361.91
			<i>For 300 LB Flanges, Add</i>	1,263.57	
23 21	23 16-0037	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,173.65	370.04
			<i>For 300 LB Flanges, Add</i>	1,376.76	
23 21	23 16-0038	EA	7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	9,890.23	429.68
			<i>For 300 LB Flanges, Add</i>	2,278.92	
23 21	23 16-0039	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	11,946.82	565.23
			<i>For 300 LB Flanges, Add</i>	2,766.95	
23 21	23 16-0040	EA	15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	13,450.03	609.95
			<i>For 300 LB Flanges, Add</i>	3,108.36	
23 21	23 16-0041	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	14,325.91	677.72
			<i>For 300 LB Flanges, Add</i>	3,268.68	
23 21	23 16-0042	EA	25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	15,852.31	676.88
			<i>For 300 LB Flanges, Add</i>	3,658.77	
23 21	23 16-0043	EA	40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	17,877.05	869.90
			<i>For 300 LB Flanges, Add</i>	4,078.00	
23 21	23 16-0044	EA	50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	22,447.61	982.74
			<i>For 300 LB Flanges, Add</i>	5,138.30	
23 21	23 16-0045	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	28,628.76	1,227.43
			<i>For 300 LB Flanges, Add</i>	6,565.18	
23 21	23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	35,943.65	1,473.45
			<i>For 300 LB Flanges, Add</i>	8,275.50	
23 21	23 16-0047	EA	150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	42,506.04	1,636.58
			<i>For 300 LB Flanges, Add</i>	9,837.17	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0048	EA			200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	49,106.17 11,261.67	2,104.91
23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump <small>(23 21 23 16)</small>						
Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.						
23 21 23 16-0050	EA			40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	32,896.09 7,911.23	695.35
23 21 23 16-0051	EA			50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	35,515.17 8,539.93	753.63
23 21 23 16-0052	EA			75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	47,273.63 11,378.58	960.55
23 21 23 16-0053	EA			100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	55,383.05 13,241.00	1,319.87
23 21 23 16-0054	EA			200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	76,778.43 18,388.26	1,759.82
23 21 23 16-0055 Cast Iron Close Coupling Pumps <small>(23 21 23 16)</small>						
23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps <small>(23 21 23 16-0055)</small>						
23 21 23 16-0057	EA			3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM).....	6,738.17	406.64
23 21 23 16-0058	EA			3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM).....	7,328.60	406.64
23 21 23 16-0059	EA			5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM).....	8,145.77	429.24
23 21 23 16-0060	EA			5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM).....	8,668.07	429.24
23 21 23 16-0061	EA			7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM).....	9,955.64	451.36
23 21 23 16-0062	EA			10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM).....	11,800.57	543.42
23 21 23 16-0063	EA			15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP).....	15,484.56	669.45
23 21 23 16-0064	EA			20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP).....	16,577.62	724.56
23 21 23 16-0065	EA			25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP).....	19,191.06	782.52
23 21 23 16-0066 Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt <small>(23 21 23 16)</small>						
23 21 23 16-0067	EA			1/3 HP, Centrifugal Pump, Polypropylene Body	1,704.78	210.07
23 21 23 16-0068	EA			1/2 HP, Centrifugal Pump, Polypropylene Body	1,818.45	222.73
23 21 23 16-0069	EA			3/4 HP, Centrifugal Pump, Polypropylene Body	2,117.07	237.15
23 21 23 23 Vertical-Turbine Hydronic Pumps <small>(23 21 23)</small>						
23 21 23 23-0001 Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps <small>(23 21 23 23)</small>						
Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.						
23 21 23 23-0002	EA			2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage	11,304.76	1,004.40
<i>For Each Extra Column Assembly <60", Add</i>					964.62	
<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>					391.95	
<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>					278.90	
23 21 23 23-0003	EA			3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage	12,898.73	1,129.10
<i>For Each Extra Column Assembly <60", Add</i>					1,092.63	
<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>					455.22	
<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>					326.23	
23 21 23 23-0004	EA			15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage	15,252.02	982.74
<i>For Each Extra Column Assembly <60", Add</i>					1,290.64	
<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>					539.60	
<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>					387.08	
23 21 23 23-0005	EA			25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage	17,859.08	1,134.02
<i>For Each Extra Column Assembly <60", Add</i>					1,501.59	
<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>					641.50	
<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>					462.91	
23 21 23 23-0006	EA			50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage	21,864.75	1,227.43
<i>For Each Extra Column Assembly <60", Add</i>					1,828.11	
<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>					795.66	
<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>					577.01	
23 21 23 23-0007	EA			100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage	28,639.92	1,473.45
<i>For Each Extra Column Assembly <60", Add</i>					2,385.92	
<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>					1,050.88	
<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>					764.48	
23 21 23 23-0008	EA			150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage	34,341.23	1,841.81
<i>For Each Extra Column Assembly <60", Add</i>					2,865.70	
<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>					1,255.25	
<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>					911.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23	23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	54,328.53 4,481.60 2,037.82 1,494.54	2,104.91
23 21 23	23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	70,995.91 5,837.54 2,681.97 1,972.01	2,456.17
23 21 23	23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	98,999.29 8,109.39 3,770.53 2,780.54	2,946.88

23 21 29 Automatic Condensate Pump Units (23 21)

23 21 29	00-0001	Automatic Shallow Pan Condensate Pump (23 21 29)			
23 21 29	00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS).....	211.60	44.05
23 21 29	00-0003	EA	1/140 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS).....	227.05	44.05
23 21 29	00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS).....	342.25	50.83

23 21 29	00-0005	Automatic Condensate Pump With Tank (23 21 29)			
23 21 29	00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL).....	122.46	33.89
23 21 29	00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20).....	129.06	33.89
23 21 29	00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS).....	206.55	44.05
23 21 29	00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS).....	225.15	50.83
23 21 29	00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump.....	391.75	57.61

23 22 Steam and Condensate Piping and Pumps (23 20)

23 22 16 Steam and Condensate Heating Piping Specialties (23 22)

23 22 16	00-0001	Steam Temperature Regulator, Iron Body (23 22 16)			
23 22 16	00-0002	Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001) Note: Up to 150 PSI.			
23 22 16	00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,308.08	21.19
23 22 16	00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,379.52	28.55
23 22 16	00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,829.39	35.17
23 22 16	00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,022.77	44.44
23 22 16	00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,078.48	51.06
23 22 16	00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,453.56	55.55
23 22 16	00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,139.62	101.75
23 22 16	00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,454.81	110.96
23 22 16	00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,716.72	259.73
23 22 16	00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,025.32	304.85

23 22 16	00-0013	Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)			
23 22 16	00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,933.92	21.19
23 22 16	00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,006.32	28.55
23 22 16	00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,098.54	35.17
23 22 16	00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,513.14	44.44
23 22 16	00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,694.23	51.06
23 22 16	00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,058.22	55.55
23 22 16	00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,695.57	101.75
23 22 16	00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,345.76	110.96
23 22 16	00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,761.19	259.73
23 22 16	00-0023	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	7,549.31	304.85

23 22 16	00-0024	Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)			
23 22 16	00-0025	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,631.71	21.19
23 22 16	00-0026	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,673.67	28.55
23 22 16	00-0027	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,928.13	35.17
23 22 16	00-0028	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,191.58	44.44
23 22 16	00-0029	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,309.98	51.06
23 22 16	00-0030	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,732.98	55.55
23 22 16	00-0031	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,907.81	101.75
23 22 16	00-0032	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,681.01	110.96
23 22 16	00-0033	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,068.55	259.73
23 22 16	00-0034	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	8,437.91	304.85



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0035				Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0036	EA			1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,369.13	21.19
23 22 16 00-0037	EA			3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,407.41	28.55
23 22 16 00-0038	EA			1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,702.42	35.17
23 22 16 00-0039	EA			1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,862.60	44.44
23 22 16 00-0040	EA			1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,014.20	51.06
23 22 16 00-0041	EA			2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,370.84	55.55
23 22 16 00-0042	EA			2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	7,276.52	101.75
23 22 16 00-0043	EA			3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,913.64	110.96
23 22 16 00-0044	EA			4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,301.17	259.73
23 22 16 00-0045	EA			6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	8,670.54	304.85
23 22 16 00-0046				High Temperature Safety Relief Valve (23 22 16)		
				Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0047				Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0046)		
				Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.		
23 22 16 00-0048				Threaded (23 22 16 00-0047)		
23 22 16 00-0049	EA			3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	503.67	22.08
23 22 16 00-0050	EA			1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	529.99	26.12
23 22 16 00-0051	EA			1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	588.72	33.11
23 22 16 00-0052	EA			1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	722.29	36.79
23 22 16 00-0053	EA			2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	922.95	45.25
23 22 16 00-0054	EA			2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,414.30	51.51
23 22 16 00-0055	EA			3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,535.56	59.23
23 22 16 00-0056				Flanged (23 22 16 00-0047)		
23 22 16 00-0057	EA			1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,445.77	154.52
23 22 16 00-0058	EA			2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,026.78	232.27
23 22 16 00-0059	EA			2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,436.27	213.84
23 22 16 00-0060	EA			2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,402.64	308.86
23 22 16 00-0061	EA			3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,737.32	230.33
23 22 16 00-0062	EA			3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	6,751.94	308.86
23 22 16 00-0063	EA			4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	11,276.28	438.30
23 22 16 00-0064	EA			6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	22,318.19	489.50
23 22 16 00-0065				Bronze Body Safety Valve, Threaded, Steam (23 22 16 00-0046)		
				Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.		
23 22 16 00-0066	EA			3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	544.52	20.24
23 22 16 00-0067	EA			3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	559.02	22.08
23 22 16 00-0068	EA			1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	652.87	24.28
23 22 16 00-0069	EA			1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	720.31	26.12
23 22 16 00-0070	EA			1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	832.69	29.43
23 22 16 00-0071	EA			1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	840.10	33.11
23 22 16 00-0072	EA			1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	942.81	34.95
23 22 16 00-0073	EA			1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,026.27	36.79
23 22 16 00-0074	EA			2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,415.93	41.20
23 22 16 00-0075	EA			2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,547.64	45.25
23 22 16 00-0076	EA			2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	1,844.38	51.51
23 22 16 00-0077				Bronze Body Safety Valve, Threaded, Water (23 22 16 00-0046)		
				Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0078	EA			3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	265.95	20.24
23 22 16 00-0079	EA			3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	302.19	22.08
23 22 16 00-0080	EA			1" x 1" Threaded Bronze Body Safety Relief Valve, Water	412.91	24.28
23 22 16 00-0081	EA			1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	454.09	26.12
23 22 16 00-0082	EA			1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	649.30	29.43
23 22 16 00-0083	EA			1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water.....	871.61	34.95
23 22 16 00-0084	EA			2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,262.56	41.20
23 22 16 00-0085				Steam Traps (23 22 16)		
23 22 16 00-0086				Inverted Bucket Steam Traps (23 22 16 00-0085)		
23 22 16 00-0087	EA			1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	344.57	44.16
				<i>For Work In Restricted Working Space, Add</i>	26.50	
23 22 16 00-0088	EA			3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	348.25	46.00
				<i>For Work In Restricted Working Space, Add</i>	27.60	
23 22 16 00-0089	EA			1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	510.64	49.02
				<i>For Work In Restricted Working Space, Add</i>	29.44	
23 22 16 00-0090	EA			1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	821.31	66.90
				<i>For Work In Restricted Working Space, Add</i>	40.15	
23 22 16 00-0091	EA			1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,216.06	82.44
				<i>For Work In Restricted Working Space, Add</i>	49.07	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0092 EA 2" 250 PSI Inverted Bucket Cast Iron Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	1,558.62 73.61	122.67
23 22 16 00-0093 Float And Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0094 EA 3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	363.97 27.60	46.00
23 22 16 00-0095 EA 1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	475.21 29.44	49.06
23 22 16 00-0096 EA 1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	590.06 40.15	66.91
23 22 16 00-0097 EA 1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	794.80 49.07	81.78
23 22 16 00-0098 EA 2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	1,443.24 73.61	122.62
23 22 16 00-0099 EA 3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	458.66 27.60	46.00
23 22 16 00-0100 EA 1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	498.13 29.44	49.02
23 22 16 00-0101 EA 1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	652.55 40.15	66.90
23 22 16 00-0102 EA 1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	932.29 49.07	81.70
23 22 16 00-0103 EA 2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	1,582.83 73.61	122.67
23 22 16 00-0104 EA 3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	589.91 27.60	46.00
23 22 16 00-0105 EA 1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	656.46 29.44	49.06
23 22 16 00-0106 EA 1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	996.31 40.15	66.90
23 22 16 00-0107 EA 1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	1,026.05 49.07	81.70
23 22 16 00-0108 EA 2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	1,976.56 73.61	122.67
23 22 16 00-0109 EA 3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	598.24 27.60	46.00
23 22 16 00-0110 EA 1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	656.46 29.44	49.06
23 22 16 00-0111 EA 1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	996.31 40.15	66.90
23 22 16 00-0112 EA 1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	1,026.05 49.07	81.70
23 22 16 00-0113 EA 2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	1,976.56 73.61	122.67
23 22 16 00-0114 Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0115 EA 1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	184.97 26.50	44.16
23 22 16 00-0116 EA 3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	298.23 27.60	46.00
23 22 16 00-0117 EA 1" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	365.27 29.44	49.02
23 22 16 00-0118 Thermodynamic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0119 EA 3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	386.71	39.75
23 22 16 00-0120 EA 1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	542.49	44.16
23 22 16 00-0121 EA 3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	669.06	46.00
23 22 16 00-0122 EA 1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	891.87	49.02
23 22 16 00-0123 Steam Moisture Separator (23 22 16 00-0085)		
23 22 16 00-0124 EA 1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1).....	694.95	73.60
23 22 16 00-0125 EA 3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1).....	750.49	99.37
23 22 16 00-0126 EA 1" Steam Moisture Separator, Threaded (Spirax Sarco S1).....	898.67	111.88
23 22 16 00-0127 EA 1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2).....	1,389.99	128.07
23 22 16 00-0128 EA 2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	1,727.83	196.23
23 22 16 00-0129 EA 2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,563.34	213.45
23 22 16 00-0130 EA 3" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,959.04	250.26
23 22 16 00-0131 EA 4" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	4,059.13	419.54
23 22 16 00-0132 EA 6" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	7,770.85	529.95
23 22 16 00-0133 Steam/Condensate Meter (23 22 16)		
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134 EA 1" Steam/Condensate Meter.....	5,475.11	121.94
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0135 EA 2" Steam/Condensate Meter For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	6,179.36 1,220.00 567.00 905.00 79.82 64.52	143.28
23 22 16 00-0136 EA 2-1/2" Steam/Condensate Meter For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	6,563.34 1,220.00 567.00 905.00 79.82 64.52	177.82
23 22 16 00-0137 EA 3" Steam/Condensate Meter For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	6,975.76 1,220.00 567.00 905.00 79.82 64.52	233.72
23 22 16 00-0138 EA 4" Steam/Condensate Meter For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	7,898.69 1,220.00 567.00 905.00 79.82 64.52	363.10
23 22 16 00-0139 EA 6" Steam/Condensate Meter For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	13,471.33 1,220.00 567.00 905.00 79.82 64.52	459.31
23 22 16 00-0140 EA 8" Steam/Condensate Meter For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	13,989.24 1,220.00 567.00 905.00 79.82 64.52	579.89
23 22 16 00-0141 EA 10" Steam/Condensate Meter For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	14,670.86 1,220.00 567.00 905.00 79.82 64.52	711.31
23 22 16 00-0142 EA 12" Steam/Condensate Meter For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	15,418.48 1,220.00 567.00 905.00 79.82 64.52	863.74
23 22 16 00-0143 EA 14" Steam/Condensate Meter For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	16,447.69 1,220.00 567.00 905.00 79.82 64.52	1,016.15
23 22 16 00-0144 EA 16" Steam/Condensate Meter For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	17,052.49 1,220.00 567.00 905.00 79.82 64.52	1,117.77

23 22 23 Steam Condensate Pumps (23 22)

23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)

23 22 23 13-0001 Simplex Condensate Pumps And Motors (23 22 23 13)

Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)

23 22 23 13-0003 EA 3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	1,984.62	689.93
23 22 23 13-0004 EA 9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,434.70	708.91
23 22 23 13-0005 EA 15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,555.93	756.34
23 22 23 13-0006 EA 22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,770.38	764.48
23 22 23 13-0007 EA 30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,080.95	832.25
23 22 23 13-0008 EA 37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,276.50	832.25
23 22 23 13-0009 EA 45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,376.00	889.18
23 22 23 13-0010 EA 60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,237.51	929.84

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0011 EA 75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,310.85	970.51
23 22 23 13-0012 30 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0013 EA 3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,242.58	737.37
23 22 23 13-0014 EA 9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	2,789.53	756.34
23 22 23 13-0015 EA 15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,909.66	806.50
23 22 23 13-0016 EA 22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,326.18	871.55
23 22 23 13-0017 EA 30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,376.00	890.53
23 22 23 13-0018 EA 45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,501.31	921.71
23 22 23 13-0019 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,651.83	970.51
23 22 23 13-0020 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,336.42	1,032.86
23 22 23 13-0021 40 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0022 EA 3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,514.44	845.80
23 22 23 13-0023 EA 9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,047.14	913.57
23 22 23 13-0024 EA 22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,498.96	902.74
23 22 23 13-0025 EA 30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,482.32	921.71
23 22 23 13-0026 EA 45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,590.80	961.02
23 22 23 13-0027 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,310.85	970.51
23 22 23 13-0028 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,417.14	1,032.86
23 22 23 13-0029 50 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0030 EA 3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,299.87	916.29
23 22 23 13-0031 EA 9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,290.41	935.27
23 22 23 13-0032 EA 22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,695.76	942.04
23 22 23 13-0033 EA 30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,696.12	1,024.72
23 22 23 13-0034 EA 60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	7,077.21	1,104.70
23 22 23 13-0035 Duplex Condensate Pumps And Motors (23 22 23 13)		
Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036 20 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0037 EA 9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,135.92	925.78
23 22 23 13-0038 EA 15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,345.94	1,016.59
23 22 23 13-0039 EA 22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,600.28	1,024.72
23 22 23 13-0040 EA 30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,004.84	1,116.89
23 22 23 13-0041 EA 37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,295.34	1,116.89
23 22 23 13-0042 EA 45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,439.16	1,203.65
23 22 23 13-0043 EA 60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,333.34	1,256.51
23 22 23 13-0044 EA 75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,510.84	1,318.86
23 22 23 13-0045 30 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0046 EA 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,931.86	997.61
23 22 23 13-0047 EA 15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,146.90	1,089.78
23 22 23 13-0048 EA 22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,575.46	1,062.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0049 EA 30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,439.16	1,203.65
23 22 23 13-0050 EA 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,600.96	1,248.37
23 22 23 13-0051 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,320.92	1,318.86
23 22 23 13-0052 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,653.17	1,413.74
23 22 23 13-0053 40 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0054 EA 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,328.71	1,176.54
23 22 23 13-0055 EA 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,735.34	1,229.40
23 22 23 13-0056 EA 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,612.35	1,248.37
23 22 23 13-0057 EA 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,790.80	1,310.73
23 22 23 13-0058 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,511.79	1,318.86
23 22 23 13-0059 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,675.96	1,413.74
23 22 23 13-0060 50 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0061 EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,486.34	1,176.54
23 22 23 13-0062 EA 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,856.82	1,293.10
23 22 23 13-0063 EA 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,955.90	1,404.25
23 22 23 13-0064 EA 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	9,754.83	1,520.82
23 23 Refrigerant Piping (23 20)		
23 23 13 Refrigerant Piping Valves (23 23)		
23 23 13 00-0001 Ball Valves (23 23 13)		
23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series (23 23 13 00-0001)		
23 23 13 00-0003 EA 3/8" Refrigeration Ball Valve, Sweated	55.34	14.72
23 23 13 00-0004 EA 1/2" Refrigeration Ball Valve, Sweated	57.72	14.72
23 23 13 00-0005 EA 5/8" Refrigeration Ball Valve, Sweated	72.70	14.72
23 23 13 00-0006 EA 7/8" Refrigeration Ball Valve, Sweated	97.45	16.19
23 23 13 00-0007 EA 1-1/8" Refrigeration Ball Valve, Sweated	132.96	18.40
23 23 13 00-0008 EA 1-5/8" Refrigeration Ball Valve, Sweated	212.76	22.66
23 23 13 00-0009 Shut-Off Valves (23 23 13)		
23 23 13 00-0010 Packless (23 23 13 00-0009)		
23 23 13 00-0011 EA 1/2" Refrigeration Valve, Packless	65.16	15.31
23 23 13 00-0012 EA 5/8" Refrigeration Valve, Packless	80.05	16.79
23 23 13 00-0013 EA 7/8" Refrigeration Valve, Packless	157.50	22.96
23 23 13 00-0014 Packed (23 23 13 00-0009)		
23 23 13 00-0015 EA 1-1/8" Refrigeration Valve, Packed	275.50	33.42
23 23 13 00-0016 EA 1 3/8" Refrigeration Valve, Packed	366.08	40.92
23 23 13 00-0017 EA 1-5/8" Refrigeration Valve, Packed	443.71	46.07
23 23 13 00-0018 EA 2-1/8" Refrigeration Valve, Packed	626.29	52.55
23 23 13 00-0019 EA 2-5/8" Refrigeration Valve, Packed	1,074.23	147.21
23 23 13 00-0020 EA 3-1/8" Refrigeration Valve, Packed	1,404.27	184.01
23 23 13 00-0021 EA 4-1/8" Refrigeration Valve, Packed	1,987.35	245.40
23 23 13 00-0022 Check Valves (23 23 13)		
23 23 13 00-0023 EA 5/8" Check Valve, Refrigeration	84.92	14.72
23 23 13 00-0024 EA 7/8" Check Valve, Refrigeration	242.94	16.19
23 23 13 00-0025 EA 1-1/8" Check Valve, Refrigeration	282.71	18.40
23 23 13 00-0026 EA 1 3/8" Check Valve, Refrigeration	378.92	19.58
23 23 13 00-0027 EA 1-5/8" Check Valve, Refrigeration	494.19	22.67
23 23 13 00-0028 EA 2-1/8" Check Valve, Refrigeration	722.81	26.79
23 23 13 00-0029 EA 2-5/8" Check Valve, Refrigeration	1,012.88	39.30
23 23 13 00-0030 EA 3-1/8" Check Valve, Refrigeration	1,330.50	51.52
23 23 13 00-0031 Solenoid Valves (23 23 13)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 23 13 00-0032		Solenoid Valve, 24 Volt Coil <small>(23 23 13 00-0031)</small>			
23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	222.69		14.72
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	227.78		14.72
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	282.82		16.19
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	282.82		16.19
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	393.20		18.40
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	625.17		19.58
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	1,135.48		22.67
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	1,156.06		26.79
23 23 16		Refrigerant Piping Specialties <small>(23 23)</small>			
23 23 16 00-0001		Soft Refrigeration Copper Tubing <small>(23 23 16)</small>			
		Note: Based on outside diameter. Nitrogenized. Lengths up to 100'. See CSI section 22 07 19 00-0372 for flexible elastomeric insulation (insulation on suction line only).			
23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	6.02		3.50
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	6.29		3.59
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	6.56		3.69
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	6.98		3.75
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	7.18		3.81
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	8.01		4.00
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	8.72		4.05
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	9.49		4.19
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	12.13		4.92
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	15.28		5.64
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	21.74		6.67
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	26.08		7.46
23 23 16 00-0014		Type L Drawn, ACR Copper Tubing <small>(23 23 16)</small>			
		Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0372 for flexible elastomeric insulation (insulation on suction line only).			
23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	7.93		4.12
		<i>For Medical Applications "Oxygen Clean", Add</i>	0.71		
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	8.79		4.12
		<i>For Medical Applications "Oxygen Clean", Add</i>	0.75		
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	9.34		4.12
		<i>For Medical Applications "Oxygen Clean", Add</i>	0.78		
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	13.50		6.19
		<i>For Medical Applications "Oxygen Clean", Add</i>	1.14		
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	14.73		6.63
		<i>For Medical Applications "Oxygen Clean", Add</i>	1.23		
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	16.89		6.63
		<i>For Medical Applications "Oxygen Clean", Add</i>	1.34		
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	20.90		7.65
		<i>For Medical Applications "Oxygen Clean", Add</i>	1.63		
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	25.18		8.83
		<i>For Medical Applications "Oxygen Clean", Add</i>	1.92		
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	35.28		11.04
		<i>For Medical Applications "Oxygen Clean", Add</i>	2.59		
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	52.96		16.63
		<i>For Medical Applications "Oxygen Clean", Add</i>	3.90		
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	68.29		20.61
		<i>For Medical Applications "Oxygen Clean", Add</i>	4.96		
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	85.58		24.43
		<i>For Medical Applications "Oxygen Clean", Add</i>	6.12		
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	105.60		29.44
		<i>For Medical Applications "Oxygen Clean", Add</i>	7.49		
23 23 16 00-0028		Refrigeration Fittings <small>(23 23 16)</small>			
23 23 16 00-0029		Brass Flare Fittings <small>(23 23 16 00-0028)</small>			
23 23 16 00-0030		Brass Flare Unions <small>(23 23 16 00-0029)</small>			
23 23 16 00-0031	EA	3/8" Brass Flare Union	31.55		15.90
23 23 16 00-0032	EA	1/2" Brass Flare Union	31.55		15.90
23 23 16 00-0033	EA	5/8" Brass Flare Union	33.56		15.90
23 23 16 00-0034		90 Degree Elbow Brass Flare Unions <small>(23 23 16 00-0029)</small>			
23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union	32.77		15.90
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union	32.77		15.90
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union	39.50		15.90
23 23 16 00-0038		Brass Flare Tees <small>(23 23 16 00-0029)</small>			
23 23 16 00-0039	EA	3/8" Brass Flare Tee	51.23		26.49
23 23 16 00-0040	EA	1/2" Brass Flare Tee	54.24		26.49
23 23 16 00-0041	EA	5/8" Brass Flare Tee	70.57		26.49



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0042				Male Connector, Half Brass Flare Unions (23 23 16 00-0029)		
	23 23 16 00-0043	EA		3/8" Brass Flare Male Connector, Half Union	26.03	15.90
	23 23 16 00-0044	EA		1/2" Brass Flare Male Connector, Half Union	28.04	15.90
	23 23 16 00-0045	EA		5/8" Brass Flare Male Connector, Half Union	30.90	15.90
23 23 16 00-0046				Female Connector, Half Brass Flare Unions (23 23 16 00-0029)		
	23 23 16 00-0047	EA		3/8" Brass Flare Female Connector, Half Union	28.61	15.90
	23 23 16 00-0048	EA		1/2" Brass Flare Female Connector, Half Union	31.34	15.90
	23 23 16 00-0049	EA		5/8" Brass Flare Female Connector, Half Union	31.34	15.90
23 23 16 00-0050				Long Forged Nuts (23 23 16 00-0029)		
	23 23 16 00-0051	EA		3/8" Brass Long Forged Nut.....	27.25	15.90
	23 23 16 00-0052	EA		1/2" Brass Long Forged Nut.....	28.04	15.90
	23 23 16 00-0053	EA		5/8" Brass Long Forged Nut.....	36.77	15.90
23 23 16 00-0054				Short Forged Nuts (23 23 16 00-0029)		
	23 23 16 00-0055	EA		3/8" Brass Short Forged Nut	26.11	15.90
	23 23 16 00-0056	EA		1/2" Brass Short Forged Nut	27.93	15.90
	23 23 16 00-0057	EA		5/8" Brass Short Forged Nut	28.30	15.90
23 23 16 00-0058				ACR Wrought Copper Fittings (23 23 16 00-0028)		
				Note: Soldered.		
23 23 16 00-0059				ACR Wrought Copper Coupling (23 23 16 00-0058)		
				Note: C x C		
	23 23 16 00-0060	EA		1/4" ACR Wrought Copper Coupling.....	25.57	15.90
	23 23 16 00-0061	EA		3/8" ACR Wrought Copper Coupling.....	25.24	15.90
	23 23 16 00-0062	EA		1/2" ACR Wrought Copper Coupling.....	25.72	15.90
	23 23 16 00-0063	EA		5/8" ACR Wrought Copper Coupling.....	26.62	16.63
	23 23 16 00-0064	EA		3/4" ACR Wrought Copper Coupling.....	37.28	21.93
	23 23 16 00-0065	EA		7/8" ACR Wrought Copper Coupling.....	37.01	22.52
	23 23 16 00-0066	EA		1-1/8" ACR Wrought Copper Coupling.....	48.44	27.97
	23 23 16 00-0067	EA		1-3/8" ACR Wrought Copper Coupling.....	68.91	38.28
	23 23 16 00-0068	EA		1-5/8" ACR Wrought Copper Coupling.....	82.60	44.90
	23 23 16 00-0069	EA		2-1/8" ACR Wrought Copper Coupling.....	106.99	54.47
	23 23 16 00-0070	EA		2-5/8" ACR Wrought Copper Coupling.....	181.21	82.73
	23 23 16 00-0071	EA		3-1/8" ACR Wrought Copper Coupling.....	241.09	108.79
	23 23 16 00-0072	EA		4-1/8" ACR Wrought Copper Coupling.....	371.02	129.25
23 23 16 00-0073				ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)		
				Note: C x C		
	23 23 16 00-0074	EA		1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	29.88	15.90
	23 23 16 00-0075	EA		3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	30.20	15.90
	23 23 16 00-0076	EA		1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	29.88	15.90
	23 23 16 00-0077	EA		5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	32.22	16.63
	23 23 16 00-0078	EA		3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	46.09	21.93
	23 23 16 00-0079	EA		7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	46.77	22.52
	23 23 16 00-0080	EA		1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	59.34	27.97
	23 23 16 00-0081	EA		1-3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	75.20	38.28
	23 23 16 00-0082	EA		1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	95.12	44.90
	23 23 16 00-0083	EA		2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	132.14	54.47
	23 23 16 00-0084	EA		2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	225.18	82.73
	23 23 16 00-0085	EA		3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	290.29	108.79
	23 23 16 00-0086	EA		4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	519.18	129.25
23 23 16 00-0087				ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)		
				Note: C x C		
	23 23 16 00-0088	EA		1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	35.27	15.90
	23 23 16 00-0089	EA		3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	32.42	15.90
	23 23 16 00-0090	EA		1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	34.68	15.90
	23 23 16 00-0091	EA		5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	34.82	16.63
	23 23 16 00-0092	EA		3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	42.91	21.93
	23 23 16 00-0093	EA		7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	46.43	22.52
	23 23 16 00-0094	EA		1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	62.33	27.97
	23 23 16 00-0095	EA		1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	90.58	38.28
	23 23 16 00-0096	EA		1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	111.91	44.90
	23 23 16 00-0097	EA		2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	198.75	54.47
	23 23 16 00-0098	EA		2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	309.48	82.73
	23 23 16 00-0099	EA		3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	408.75	108.79
	23 23 16 00-0100	EA		4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	851.69	129.25

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0101 ACR Wrought Copper 45 Degree Elbow <small>(23 23 16 00-0058)</small> Note: C x C		
23 23 16 00-0102 EA 1/4" ACR Wrought Copper 45 Degree Elbow	39.19	15.90
23 23 16 00-0103 EA 3/8" ACR Wrought Copper 45 Degree Elbow	35.27	15.90
23 23 16 00-0104 EA 1/2" ACR Wrought Copper 45 Degree Elbow	33.60	15.90
23 23 16 00-0105 EA 5/8" ACR Wrought Copper 45 Degree Elbow	28.97	16.63
23 23 16 00-0106 EA 3/4" ACR Wrought Copper 45 Degree Elbow	50.26	21.93
23 23 16 00-0107 EA 7/8" ACR Wrought Copper 45 Degree Elbow	40.66	22.52
23 23 16 00-0108 EA 1-1/8" ACR Wrought Copper 45 Degree Elbow	59.30	27.97
23 23 16 00-0109 EA 1-3/8" ACR Wrought Copper 45 Degree Elbow	80.73	38.28
23 23 16 00-0110 EA 1-5/8" ACR Wrought Copper 45 Degree Elbow	95.48	44.90
23 23 16 00-0111 EA 2-1/8" ACR Wrought Copper 45 Degree Elbow	128.49	54.47
23 23 16 00-0112 EA 2-5/8" ACR Wrought Copper 45 Degree Elbow	223.95	82.73
23 23 16 00-0113 EA 3-1/8" ACR Wrought Copper 45 Degree Elbow	302.63	108.79
23 23 16 00-0114 EA 4-1/8" ACR Wrought Copper 45 Degree Elbow	490.95	129.25
23 23 16 00-0115 ACR Wrought Copper Tee <small>(23 23 16 00-0058)</small> Note: C x C x C		
23 23 16 00-0116 EA 1/4" ACR Wrought Copper Tee	52.00	26.49
23 23 16 00-0117 EA 3/8" ACR Wrought Copper Tee	52.69	26.49
23 23 16 00-0118 EA 1/2" ACR Wrought Copper Tee	50.14	26.49
23 23 16 00-0119 EA 5/8" ACR Wrought Copper Tee	53.66	33.42
23 23 16 00-0120 EA 3/4" ACR Wrought Copper Tee	73.72	33.42
23 23 16 00-0121 EA 7/8" ACR Wrought Copper Tee	59.65	33.85
23 23 16 00-0122 EA 1-1/8" ACR Wrought Copper Tee	94.86	44.90
23 23 16 00-0123 EA 1-3/8" ACR Wrought Copper Tee	118.74	54.47
23 23 16 00-0124 EA 1-5/8" ACR Wrought Copper Tee	154.18	64.63
23 23 16 00-0125 EA 2-1/8" ACR Wrought Copper Tee	218.53	86.12
23 23 16 00-0126 EA 2-5/8" ACR Wrought Copper Tee	462.14	187.98
23 23 16 00-0127 EA 3-1/8" ACR Wrought Copper Tee	568.72	206.68
23 23 16 00-0128 EA 4-1/8" ACR Wrought Copper Tee	970.73	229.64
23 23 16 00-0129 ACR Wrought Copper Male Adapter <small>(23 23 16 00-0058)</small> Note: C x M		
23 23 16 00-0130 EA 1/4" ACR Wrought Copper Male Adapter	43.08	15.90
23 23 16 00-0131 EA 3/8" ACR Wrought Copper Male Adapter	49.35	15.90
23 23 16 00-0132 EA 1/2" ACR Wrought Copper Male Adapter	38.94	15.90
23 23 16 00-0133 ACR Wrought Copper Female Adapter <small>(23 23 16 00-0058)</small> Note: C x F		
23 23 16 00-0134 EA 1/4" ACR Wrought Copper Female Adapter	40.62	15.90
23 23 16 00-0135 EA 3/8" ACR Wrought Copper Female Adapter	37.03	15.90
23 23 16 00-0136 EA 1/2" ACR Wrought Copper Female Adapter	38.39	15.90
23 23 16 00-0137 ACR Wrought Copper Cap <small>(23 23 16 00-0058)</small> Note: C		
23 23 16 00-0138 EA 1/4" ACR Wrought Copper Cap	18.85	10.60
23 23 16 00-0139 EA 3/8" ACR Wrought Copper Cap	17.71	10.60
23 23 16 00-0140 EA 1/2" ACR Wrought Copper Cap	18.82	10.60
23 23 16 00-0141 ACR Wrought Copper P-Trap <small>(23 23 16 00-0058)</small>		
23 23 16 00-0142 EA 5/8" ACR Wrought Copper P-Trap	115.30	13.55
23 23 16 00-0143 EA 3/4" ACR Wrought Copper P-Trap	155.97	14.91
23 23 16 00-0144 EA 7/8" ACR Wrought Copper P-Trap	136.99	14.91
23 23 16 00-0145 EA 1-1/8" ACR Wrought Copper P-Trap	185.39	16.26
23 23 16 00-0146 EA 1-3/8" ACR Wrought Copper P-Trap	321.34	16.26
23 23 16 00-0147 EA 1-5/8" ACR Wrought Copper P-Trap	451.40	17.62
23 23 16 00-0148 EA 2-1/8" ACR Wrought Copper P-Trap	809.42	18.98
23 23 16 00-0149 Sight Glass With Moisture And Liquid Indicator, Solder Connection <small>(23 23 16)</small>		
23 23 16 00-0150 EA 1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	67.78	20.34
23 23 16 00-0151 EA 3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	81.99	24.40
23 23 16 00-0152 EA 1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	98.70	29.82
23 23 16 00-0153 EA 5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	109.13	33.89
23 23 16 00-0154 EA 7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	145.81	43.38
23 23 16 00-0155 EA 1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	169.95	52.87
23 23 16 00-0156 EA 1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	254.49	62.36
23 23 16 00-0157 EA 1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	317.44	85.40
23 23 16 00-0158 EA 2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	390.50	105.72
23 23 16 00-0159 Filter Driers, Solder Connections <small>(23 23 16)</small>		
23 23 16 00-0160 Replaceable Core Type Filter Driers, Solder Connections <small>(23 23 16 00-0159)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0161 EA 5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	553.60	12.20
23 23 16 00-0162 EA 7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	566.71	14.91
23 23 16 00-0163 EA 1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	726.05	14.91
23 23 16 00-0164 EA 1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	733.36	16.26
23 23 16 00-0165 EA 1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	825.06	17.62
23 23 16 00-0166 EA 2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	943.99	18.98
23 23 16 00-0167 EA 2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,106.12	20.34
23 23 16 00-0168 EA 3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,381.09	20.34
23 23 16 00-0169 Sealed In-Line Filter Driers, Solder Connections <small>(23 23 16 00-0159)</small>		
23 23 16 00-0170 EA 1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections.....	103.95	12.20
23 23 16 00-0171 EA 3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	132.86	12.20
23 23 16 00-0172 EA 1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections.....	168.94	13.55
23 23 16 00-0173 EA 1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	194.16	13.55
23 23 16 00-0174 EA 5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections.....	214.38	13.55
23 23 16 00-0175 EA 5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections.....	241.69	13.55
23 23 16 00-0176 EA 7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	272.68	14.91
23 23 16 00-0177 EA 7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	380.92	14.91
23 23 16 00-0178 EA 1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	417.97	14.91
23 23 16 00-0179 Bi-Flow Filter Driers, Solder Connections <small>(23 23 16 00-0159)</small>		
23 23 16 00-0180 EA 1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	137.83	12.20
23 23 16 00-0181 EA 3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	156.98	12.20
23 23 16 00-0182 EA 1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	188.67	13.55
23 23 16 00-0183 EA 3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	166.55	12.20
23 23 16 00-0184 EA 1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	208.41	13.55
23 23 16 00-0185 EA 5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	245.08	13.55
23 23 16 00-0186 Refrigerant Compressor Discharge Mufflers <small>(23 23 16)</small>		
23 23 16 00-0187 EA 3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler.....	128.39	12.20
23 23 16 00-0188 EA 1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler.....	141.91	12.20
23 23 16 00-0189 EA 5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler.....	170.49	12.20
23 23 16 00-0190 EA 7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	229.51	14.91
23 23 16 00-0191 EA 1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	300.59	14.91
23 23 16 00-0192 EA 1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	357.74	16.26
23 23 16 00-0193 EA 1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	452.29	17.62
23 23 16 00-0194 EA 2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	794.16	18.98
23 23 16 00-0195 EA 2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	896.16	20.34
23 23 16 00-0196 EA 3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	1,110.59	20.34
23 23 16 00-0197 Expansion Valves And Vibration Absorbers <small>(23 23 16)</small>		
23 23 16 00-0198 Thermostatic Expansion Valves <small>(23 23 16 00-0197)</small>		
Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199 EA 3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	257.08	12.20
23 23 16 00-0200 EA 1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	357.51	13.55
23 23 16 00-0201 EA 5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	594.59	13.55
23 23 16 00-0202 EA 7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	705.55	14.91
23 23 16 00-0203 EA 7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	773.33	14.91
23 23 16 00-0204 Electric Expansion Valves <small>(23 23 16 00-0197)</small>		
Note: Sporlan SEI or SEH.		
23 23 16 00-0205 EA 1/2 To 11 Ton Electric Expansion Valve	608.94	16.94
Note: Sporlan SEI.		
23 23 16 00-0206 EA 25 Ton Electric Expansion Valve	701.92	17.62
Note: Sporlan SEI.		
23 23 16 00-0207 EA 50 Ton Electric Expansion Valve	795.39	18.30
Note: Sporlan SEI.		
23 23 16 00-0208 EA 100 Ton Electric Expansion Valve	940.74	18.30
Note: Sporlan SEH.		
23 23 16 00-0209 EA 175 Ton Electric Expansion Valve	1,057.42	18.98
Note: Sporlan SEH.		
23 23 16 00-0210 Braided Stainless Steel Over Copper Vibration Absorber <small>(23 23 16 00-0197)</small>		
23 23 16 00-0211 EA 1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	68.48	17.62
23 23 16 00-0212 EA 3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	70.77	20.34
23 23 16 00-0213 EA 1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	91.10	25.75
23 23 16 00-0214 EA 5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	99.38	31.17
23 23 16 00-0215 EA 3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	117.67	37.95
23 23 16 00-0216 EA 7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	135.64	43.38
23 23 16 00-0217 EA 1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	193.29	16.26
23 23 16 00-0218 EA 1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	267.31	17.62
23 23 16 00-0219 EA 1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	330.40	17.62
23 23 16 00-0220 EA 2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	443.71	18.98
23 23 16 00-0221 EA 2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	743.43	20.34

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0222 EA 3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	970.68	20.34
23 23 16 00-0223 Accumulator, Refrigerant Suction Line (23 23 16)		
23 23 16 00-0224 EA 3/4" Accumulator, Refrigeration Suction Line.....	221.41	61.67
23 23 16 00-0225 EA 7/8" Accumulator, Refrigeration Suction Line.....	300.58	84.71
23 23 16 00-0226 EA 1-1/8" Accumulator, Refrigeration Suction Line.....	363.18	112.91
23 23 16 00-0227 EA 1 3/8" Accumulator, Refrigeration Suction Line.....	502.36	135.55
23 23 16 00-0228 EA 1-5/8" Accumulator, Refrigeration Suction Line.....	685.50	169.43
23 23 16 00-0229 EA 2-1/8" Accumulator, Refrigeration Suction Line.....	1,029.87	225.96
23 23 16 00-0230 Special Chemicals/Component (23 23 16)		
23 23 16 00-0231 GAL Special Chemical, Inhibited Propylene Glycol, 100%.....	40.54	
23 23 16 00-0232 GAL Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	10.51	
23 23 16 00-0233 GAL Special Chemical, Inhibited Ethylene Glycol, 100%.....	27.81	
23 23 16 00-0234 EA Internal Coil/Refrigerant Piping Flush.....	366.58	
Note: Up to 10 ton AC system.		
23 23 23 Refrigerants (23 23)		
23 23 23 00-0001 Refrigerant (23 23 23)		
23 23 23 00-0002 LB R-113 Refrigerant.....	26.76	
23 23 23 00-0003 LB R-123 Refrigerant.....	19.63	
23 23 23 00-0004 LB R-134A Refrigerant.....	7.00	
23 23 23 00-0005 LB R-404A Refrigerant.....	12.52	
23 23 23 00-0006 LB R-407C Refrigerant.....	12.38	
23 23 23 00-0007 LB R-408A Refrigerant.....	28.23	
23 23 23 00-0008 LB R-410A Refrigerant.....	12.14	
23 23 23 00-0009 LB R-500 Refrigerant.....	23.99	
23 23 23 00-0010 LB R-507 Refrigerant.....	7.72	
23 25 HVAC Water Treatment (23 20)		
23 25 13 Water Treatment for Closed-Loop Hydronic Systems (23 25)		
23 25 13 00-0001 Polyethylene Chemical Storage Tanks (23 25 13)		
23 25 13 00-0002 EA 15 Gallon Chemical Storage Tank, Polyethylene.....	466.20	113.20
23 25 13 00-0003 Gas Chlorinator (23 25 13)		
23 25 13 00-0004 EA Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,380.25	515.06
For Booster Pump, Add	564.02	
23 25 13 00-0005 EA Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,577.12	588.64
For Booster Pump, Add	644.75	
23 25 13 00-0006 EA Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	2,110.94	445.90
For Booster Pump, Add	777.15	
23 25 13 00-0007 Bypass Shot Feeders (23 25 13)		
Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13 00-0008 In Line Mount, 125 PSIG (23 25 13 00-0007)		
23 25 13 00-0009 EA 1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG.....	1,308.32	383.59
23 25 13 00-0010 Floor Mount, 175 PSIG (23 25 13 00-0007)		
23 25 13 00-0011 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,932.89	577.42
23 25 13 00-0012 EA 12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	2,550.98	764.48
23 25 13 00-0013 Floor Mount, 150 LB ASME Code (23 25 13 00-0007)		
23 25 13 00-0014 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code.....	1,932.89	577.42
23 25 13 00-0015 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code.....	2,550.98	764.48
23 25 13 00-0016 Floor Mount, 300 LB ASME Code (23 25 13 00-0007)		
23 25 13 00-0017 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code.....	2,317.60	577.42
23 25 13 00-0018 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code.....	2,950.45	764.48

23 30 HVAC Air Distribution (23)**23 31 HVAC Ducts and Casings (23 30)**

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See



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

CSI section 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts (23 31)

23 31 13 13 Rectangular Metal Ducts (23 31 13)

23 31 13 13-0001 Steel Sheet Metal Duct (23 31 13 13)

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork And Sealant (23 31 13 13-0001)

Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF

23 31 13 13-0003	LB	2" WG And Less (Class C), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....		13.20	
		For Polyvinyl Chloride (PVC) Coated, Add		0.41	
		For Up To 200, Add		4.57	
		For >200 To 500, Add		2.89	
		For >500 To 1,000, Add		1.99	
		For >1,000 To 2,000, Add		1.12	
		For >2,000 To 5,000, Add		0.51	
		For Work In Restricted Working Space, Add		3.35	
		For Elevated Installation >10' To 15', Add		0.67	
		For Elevated Installation >15' To 20', Add		1.34	
		For Elevated Installation >20' To 25', Add		1.67	
		For Elevated Installation >25' To 30', Add		2.34	
		For Elevated Installation >30' To 35', Add		2.68	
		For Elevated Installation >35' To 40', Add		3.35	
		For Elevated Installation >40', Add		3.68	
23 31 13 13-0004	LB	3" WG (Class B), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....		15.11	3.63
		For Polyvinyl Chloride (PVC) Coated, Add		0.45	
		For Up To 200, Add		5.21	
		For >200 To 500, Add		3.29	
		For >500 To 1,000, Add		2.27	
		For >1,000 To 2,000, Add		1.28	
		For >2,000 To 5,000, Add		0.58	
		For Work In Restricted Working Space, Add		3.85	
		For Elevated Installation >10' To 15', Add		0.77	
		For Elevated Installation >15' To 20', Add		1.54	
		For Elevated Installation >20' To 25', Add		1.93	
		For Elevated Installation >25' To 30', Add		2.70	
		For Elevated Installation >30' To 35', Add		3.08	
		For Elevated Installation >35' To 40', Add		3.85	
		For Elevated Installation >40', Add		4.24	
23 31 13 13-0005	LB	4" Or 6" WG (Class A), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....		18.14	3.63
		For Polyvinyl Chloride (PVC) Coated, Add		0.50	
		For Up To 200, Add		6.20	
		For >200 To 500, Add		3.89	
		For >500 To 1,000, Add		2.72	
		For >1,000 To 2,000, Add		1.53	
		For >2,000 To 5,000, Add		0.70	
		For Work In Restricted Working Space, Add		4.69	
		For Elevated Installation >10' To 15', Add		0.94	
		For Elevated Installation >15' To 20', Add		1.88	
		For Elevated Installation >20' To 25', Add		2.34	
		For Elevated Installation >25' To 30', Add		3.28	
		For Elevated Installation >30' To 35', Add		3.75	
		For Elevated Installation >35' To 40', Add		4.69	
		For Elevated Installation >40', Add		5.16	

23 31 13 13-0006 Alloy 3003-H14, Aluminum Sheet Metal Ductwork (23 31 13 13-0001)

Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF

23 31 13 13-0007	LB	2" WG And Less (Class C), Alloy 3003-H14, Aluminum Sheet Metal Ductwork		26.02	
		For Work In Restricted Working Space, Add		6.62	
		For Up To 200, Add		8.99	
		For >200 To 500, Add		5.67	
		For >500 To 1,000, Add		3.92	
		For >1,000 To 2,000, Add		2.20	
		For >2,000 To 5,000, Add		1.00	
		For Elevated Installation >10' To 15', Add		1.32	
		For Elevated Installation >15' To 20', Add		2.65	
		For Elevated Installation >20' To 25', Add		3.31	
		For Elevated Installation >25' To 30', Add		4.63	
		For Elevated Installation >30' To 35', Add		5.29	
		For Elevated Installation >35' To 40', Add		6.62	
		For Elevated Installation >40', Add		7.28	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0008 LB 3" WG (Class B), Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	29.33	3.63
For Work In Restricted Working Space, Add	7.61	
For Up To 200, Add	9.99	
For >200 To 500, Add	6.27	
For >500 To 1,000, Add	4.38	
For >1,000 To 2,000, Add	2.47	
For >2,000 To 5,000, Add	1.13	
For Elevated Installation >10' To 15', Add	1.52	
For Elevated Installation >15' To 20', Add	3.04	
For Elevated Installation >20' To 25', Add	3.81	
For Elevated Installation >25' To 30', Add	5.33	
For Elevated Installation >30' To 35', Add	6.09	
For Elevated Installation >35' To 40', Add	7.61	
For Elevated Installation >40', Add	8.37	
23 31 13 13-0009 LB 4" Or 6" WG (Class A), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	34.85	3.63
For Work In Restricted Working Space, Add	9.27	
For Up To 200, Add	11.64	
For >200 To 500, Add	7.26	
For >500 To 1,000, Add	5.16	
For >1,000 To 2,000, Add	2.91	
For >2,000 To 5,000, Add	1.35	
For Elevated Installation >10' To 15', Add	1.85	
For Elevated Installation >15' To 20', Add	3.71	
For Elevated Installation >20' To 25', Add	4.63	
For Elevated Installation >25' To 30', Add	6.49	
For Elevated Installation >30' To 35', Add	7.41	
For Elevated Installation >35' To 40', Add	9.27	
For Elevated Installation >40', Add	10.19	
23 31 13 13-0010 Type 304, Stainless Steel Sheet Metal Ductwork <small>(23 31 13 13-0001)</small>		
Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF		
23 31 13 13-0011 LB 2" WG And Less (Class C), Type 304, Stainless Steel Sheet Metal Ductwork	18.59	4.83
For Work In Restricted Working Space, Add	4.07	
For Welded Seams, Add	7.03	
For Up To 200, Add	7.09	
For >200 To 500, Add	4.60	
For >500 To 1,000, Add	2.95	
For >1,000 To 2,000, Add	1.64	
For >2,000 To 5,000, Add	0.69	
For Elevated Installation >10' To 15', Add	0.81	
For Elevated Installation >15' To 20', Add	1.63	
For Elevated Installation >20' To 25', Add	2.03	
For Elevated Installation >25' To 30', Add	2.85	
For Elevated Installation >30' To 35', Add	3.25	
For Elevated Installation >35' To 40', Add	4.07	
For Elevated Installation >40', Add	4.47	
23 31 13 13-0012 LB 3" WG (Class B), Type 304, Stainless Steel Sheet Metal Ductwork	21.39	4.83
For Work In Restricted Working Space, Add	4.91	
For Welded Seams, Add	8.43	
For Up To 200, Add	7.93	
For >200 To 500, Add	5.11	
For >500 To 1,000, Add	3.35	
For >1,000 To 2,000, Add	1.86	
For >2,000 To 5,000, Add	0.81	
For Elevated Installation >10' To 15', Add	0.98	
For Elevated Installation >15' To 20', Add	1.96	
For Elevated Installation >20' To 25', Add	2.45	
For Elevated Installation >25' To 30', Add	3.44	
For Elevated Installation >30' To 35', Add	3.93	
For Elevated Installation >35' To 40', Add	4.91	
For Elevated Installation >40', Add	5.40	
23 31 13 13-0013 LB 4" Or 6" WG (Class A), Type 304, Stainless Steel Sheet Metal Ductwork	24.00	4.83
For Work In Restricted Working Space, Add	5.69	
For Welded Seams, Add	9.74	
For Up To 200, Add	8.71	
For >200 To 500, Add	5.58	
For >500 To 1,000, Add	3.71	
For >1,000 To 2,000, Add	2.07	
For >2,000 To 5,000, Add	0.91	
For Elevated Installation >10' To 15', Add	1.14	
For Elevated Installation >15' To 20', Add	2.28	
For Elevated Installation >20' To 25', Add	2.85	
For Elevated Installation >25' To 30', Add	3.98	
For Elevated Installation >30' To 35', Add	4.55	
For Elevated Installation >35' To 40', Add	5.69	
For Elevated Installation >40', Add	6.26	
23 31 13 13-0014 Galvanized Steel Sheet Metal Ductwork By LF <small>(23 31 13 13-0001)</small>		
Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0015 30 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13 13-0016 LF 4" x 4", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	13.88	7.45
For 3" WG (Class B), Add	1.86	
For 4" Or 6" WG (Class A), Add	3.98	
For 10" WG (Class A), Add	5.72	
For Work In Restricted Working Space, Add	3.73	
23 31 13 13-0017 LF 4" x 6", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	17.35	9.32
For 3" WG (Class B), Add	2.33	
For 4" Or 6" WG (Class A), Add	4.97	
For 10" WG (Class A), Add	7.15	
For Work In Restricted Working Space, Add	4.66	
23 31 13 13-0018 LF 4" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.82	11.19
For 3" WG (Class B), Add	2.80	
For 4" Or 6" WG (Class A), Add	5.96	
For 10" WG (Class A), Add	8.57	
For Work In Restricted Working Space, Add	5.59	
23 31 13 13-0019 LF 4" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.28	13.05
For 3" WG (Class B), Add	3.26	
For 4" Or 6" WG (Class A), Add	6.96	
For 10" WG (Class A), Add	10.00	
For Work In Restricted Working Space, Add	6.52	
23 31 13 13-0020 LF 4" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.76	14.91
For 3" WG (Class B), Add	3.73	
For 4" Or 6" WG (Class A), Add	7.95	
For 10" WG (Class A), Add	11.43	
For Work In Restricted Working Space, Add	7.46	
23 31 13 13-0021 LF 4" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.22	16.78
For 3" WG (Class B), Add	4.19	
For 4" Or 6" WG (Class A), Add	8.95	
For 10" WG (Class A), Add	12.86	
For Work In Restricted Working Space, Add	8.39	
23 31 13 13-0022 LF 4" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.69	18.64
For 3" WG (Class B), Add	4.66	
For 4" Or 6" WG (Class A), Add	9.94	
For 10" WG (Class A), Add	14.29	
For Work In Restricted Working Space, Add	9.32	
23 31 13 13-0023 LF 6" x 6", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.82	11.19
For 3" WG (Class B), Add	2.80	
For 4" Or 6" WG (Class A), Add	5.96	
For 10" WG (Class A), Add	8.57	
For Work In Restricted Working Space, Add	5.59	
23 31 13 13-0024 LF 6" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.28	13.05
For 3" WG (Class B), Add	3.26	
For 4" Or 6" WG (Class A), Add	6.96	
For 10" WG (Class A), Add	10.00	
For Work In Restricted Working Space, Add	6.52	
23 31 13 13-0025 LF 6" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.76	14.91
For 3" WG (Class B), Add	3.73	
For 4" Or 6" WG (Class A), Add	7.95	
For 10" WG (Class A), Add	11.43	
For Work In Restricted Working Space, Add	7.46	
23 31 13 13-0026 LF 6" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.22	16.78
For 3" WG (Class B), Add	4.19	
For 4" Or 6" WG (Class A), Add	8.95	
For 10" WG (Class A), Add	12.86	
For Work In Restricted Working Space, Add	8.39	
23 31 13 13-0027 LF 6" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.69	18.64
For 3" WG (Class B), Add	4.66	
For 4" Or 6" WG (Class A), Add	9.94	
For 10" WG (Class A), Add	14.29	
For Work In Restricted Working Space, Add	9.32	
23 31 13 13-0028 LF 6" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	38.17	20.51
For 3" WG (Class B), Add	5.13	
For 4" Or 6" WG (Class A), Add	10.94	
For 10" WG (Class A), Add	15.72	
For Work In Restricted Working Space, Add	10.25	
23 31 13 13-0029 LF 8" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	27.76	14.91
For 3" WG (Class B), Add	3.73	
For 4" Or 6" WG (Class A), Add	7.95	
For 10" WG (Class A), Add	11.43	
For Work In Restricted Working Space, Add	7.46	
23 31 13 13-0030 LF 8" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.22	16.78
For 3" WG (Class B), Add	4.19	
For 4" Or 6" WG (Class A), Add	8.95	
For 10" WG (Class A), Add	12.86	
For Work In Restricted Working Space, Add	8.39	
23 31 13 13-0031 LF 8" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.69	18.64
For 3" WG (Class B), Add	4.66	
For 4" Or 6" WG (Class A), Add	9.94	
For 10" WG (Class A), Add	14.29	
For Work In Restricted Working Space, Add	9.32	
23 31 13 13-0032 LF 8" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	38.17	20.51
For 3" WG (Class B), Add	5.13	
For 4" Or 6" WG (Class A), Add	10.94	
For 10" WG (Class A), Add	15.72	
For Work In Restricted Working Space, Add	10.25	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0033	LF	8" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	41.62	22.36
			<i>For 3" WG (Class B), Add</i>	5.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	11.93	
			<i>For 10" WG (Class A), Add</i>	17.15	
			<i>For Work In Restricted Working Space, Add</i>	11.18	
23 31 13	13-0034	LF	8" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	45.11	24.23
			<i>For 3" WG (Class B), Add</i>	6.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	12.92	
			<i>For 10" WG (Class A), Add</i>	18.58	
			<i>For Work In Restricted Working Space, Add</i>	12.12	
23 31 13	13-0035	LF	8" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	48.56	26.10
			<i>For 3" WG (Class B), Add</i>	6.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.92	
			<i>For 10" WG (Class A), Add</i>	20.01	
			<i>For Work In Restricted Working Space, Add</i>	13.05	
23 31 13	13-0036	LF	8" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	52.04	27.96
			<i>For 3" WG (Class B), Add</i>	6.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.91	
			<i>For 10" WG (Class A), Add</i>	21.44	
			<i>For Work In Restricted Working Space, Add</i>	13.98	
23 31 13	13-0037	LF	8" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	55.50	29.83
			<i>For 3" WG (Class B), Add</i>	7.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.90	
			<i>For 10" WG (Class A), Add</i>	22.86	
			<i>For Work In Restricted Working Space, Add</i>	14.91	
23 31 13	13-0038	LF	10" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	34.69	18.64
			<i>For 3" WG (Class B), Add</i>	4.66	
			<i>For 4" Or 6" WG (Class A), Add</i>	9.94	
			<i>For 10" WG (Class A), Add</i>	14.29	
			<i>For Work In Restricted Working Space, Add</i>	9.32	
23 31 13	13-0039	LF	10" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	38.17	20.51
			<i>For 3" WG (Class B), Add</i>	5.13	
			<i>For 4" Or 6" WG (Class A), Add</i>	10.94	
			<i>For 10" WG (Class A), Add</i>	15.72	
			<i>For Work In Restricted Working Space, Add</i>	10.25	
23 31 13	13-0040	LF	10" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	41.62	22.36
			<i>For 3" WG (Class B), Add</i>	5.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	11.93	
			<i>For 10" WG (Class A), Add</i>	17.15	
			<i>For Work In Restricted Working Space, Add</i>	11.18	
23 31 13	13-0041	LF	10" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	45.11	24.23
			<i>For 3" WG (Class B), Add</i>	6.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	12.92	
			<i>For 10" WG (Class A), Add</i>	18.58	
			<i>For Work In Restricted Working Space, Add</i>	12.12	
23 31 13	13-0042	LF	10" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	48.56	26.10
			<i>For 3" WG (Class B), Add</i>	6.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.92	
			<i>For 10" WG (Class A), Add</i>	20.01	
			<i>For Work In Restricted Working Space, Add</i>	13.05	
23 31 13	13-0043	LF	10" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	52.04	27.96
			<i>For 3" WG (Class B), Add</i>	6.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.91	
			<i>For 10" WG (Class A), Add</i>	21.44	
			<i>For Work In Restricted Working Space, Add</i>	13.98	
23 31 13	13-0044	LF	10" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	55.50	29.83
			<i>For 3" WG (Class B), Add</i>	7.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.90	
			<i>For 10" WG (Class A), Add</i>	22.86	
			<i>For Work In Restricted Working Space, Add</i>	14.91	
23 31 13	13-0045	LF	10" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	58.98	31.68
			<i>For 3" WG (Class B), Add</i>	7.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	16.90	
			<i>For 10" WG (Class A), Add</i>	24.29	
			<i>For Work In Restricted Working Space, Add</i>	15.84	
23 31 13	13-0046	LF	12" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	41.62	22.36
			<i>For 3" WG (Class B), Add</i>	5.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	11.93	
			<i>For 10" WG (Class A), Add</i>	17.15	
			<i>For Work In Restricted Working Space, Add</i>	11.18	
23 31 13	13-0047	LF	12" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	45.11	24.23
			<i>For 3" WG (Class B), Add</i>	6.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	12.92	
			<i>For 10" WG (Class A), Add</i>	18.58	
			<i>For Work In Restricted Working Space, Add</i>	12.12	
23 31 13	13-0048	LF	12" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	48.56	26.10
			<i>For 3" WG (Class B), Add</i>	6.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.92	
			<i>For 10" WG (Class A), Add</i>	20.01	
			<i>For Work In Restricted Working Space, Add</i>	13.05	
23 31 13	13-0049	LF	12" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	52.04	27.96
			<i>For 3" WG (Class B), Add</i>	6.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.91	
			<i>For 10" WG (Class A), Add</i>	21.44	
			<i>For Work In Restricted Working Space, Add</i>	13.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0050 LF 12" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	55.50	29.83
<i>For 3" WG (Class B), Add</i>	7.46	
<i>For 4" Or 6" WG (Class A), Add</i>	15.90	
<i>For 10" WG (Class A), Add</i>	22.86	
<i>For Work In Restricted Working Space, Add</i>	14.91	
23 31 13 13-0051 LF 12" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	58.98	31.68
<i>For 3" WG (Class B), Add</i>	7.92	
<i>For 4" Or 6" WG (Class A), Add</i>	16.90	
<i>For 10" WG (Class A), Add</i>	24.29	
<i>For Work In Restricted Working Space, Add</i>	15.84	
23 31 13 13-0052 LF 12" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	62.45	33.55
<i>For 3" WG (Class B), Add</i>	8.39	
<i>For 4" Or 6" WG (Class A), Add</i>	17.90	
<i>For 10" WG (Class A), Add</i>	25.73	
<i>For Work In Restricted Working Space, Add</i>	16.78	
23 31 13 13-0053 LF 14" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	48.56	26.10
<i>For 3" WG (Class B), Add</i>	6.52	
<i>For 4" Or 6" WG (Class A), Add</i>	13.92	
<i>For 10" WG (Class A), Add</i>	20.01	
<i>For Work In Restricted Working Space, Add</i>	13.05	
23 31 13 13-0054 LF 14" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	52.04	27.96
<i>For 3" WG (Class B), Add</i>	6.99	
<i>For 4" Or 6" WG (Class A), Add</i>	14.91	
<i>For 10" WG (Class A), Add</i>	21.44	
<i>For Work In Restricted Working Space, Add</i>	13.98	
23 31 13 13-0055 LF 14" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	55.50	29.83
<i>For 3" WG (Class B), Add</i>	7.46	
<i>For 4" Or 6" WG (Class A), Add</i>	15.90	
<i>For 10" WG (Class A), Add</i>	22.86	
<i>For Work In Restricted Working Space, Add</i>	14.91	
23 31 13 13-0056 LF 14" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	58.98	31.68
<i>For 3" WG (Class B), Add</i>	7.92	
<i>For 4" Or 6" WG (Class A), Add</i>	16.90	
<i>For 10" WG (Class A), Add</i>	24.29	
<i>For Work In Restricted Working Space, Add</i>	15.84	
23 31 13 13-0057 LF 14" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	62.45	33.55
<i>For 3" WG (Class B), Add</i>	8.39	
<i>For 4" Or 6" WG (Class A), Add</i>	17.90	
<i>For 10" WG (Class A), Add</i>	25.73	
<i>For Work In Restricted Working Space, Add</i>	16.78	
23 31 13 13-0058 LF 14" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	65.93	35.42
<i>For 3" WG (Class B), Add</i>	8.85	
<i>For 4" Or 6" WG (Class A), Add</i>	18.89	
<i>For 10" WG (Class A), Add</i>	27.15	
<i>For Work In Restricted Working Space, Add</i>	17.71	
23 31 13 13-0059 LF 16" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	55.50	29.83
<i>For 3" WG (Class B), Add</i>	7.46	
<i>For 4" Or 6" WG (Class A), Add</i>	15.90	
<i>For 10" WG (Class A), Add</i>	22.86	
<i>For Work In Restricted Working Space, Add</i>	14.91	
23 31 13 13-0060 LF 16" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	58.98	31.68
<i>For 3" WG (Class B), Add</i>	7.92	
<i>For 4" Or 6" WG (Class A), Add</i>	16.90	
<i>For 10" WG (Class A), Add</i>	24.29	
<i>For Work In Restricted Working Space, Add</i>	15.84	
23 31 13 13-0061 LF 16" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	62.45	33.55
<i>For 3" WG (Class B), Add</i>	8.39	
<i>For 4" Or 6" WG (Class A), Add</i>	17.90	
<i>For 10" WG (Class A), Add</i>	25.73	
<i>For Work In Restricted Working Space, Add</i>	16.78	
23 31 13 13-0062 LF 16" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	65.93	35.42
<i>For 3" WG (Class B), Add</i>	8.85	
<i>For 4" Or 6" WG (Class A), Add</i>	18.89	
<i>For 10" WG (Class A), Add</i>	27.15	
<i>For Work In Restricted Working Space, Add</i>	17.71	
23 31 13 13-0063 LF 16" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	69.38	37.28
<i>For 3" WG (Class B), Add</i>	9.32	
<i>For 4" Or 6" WG (Class A), Add</i>	19.88	
<i>For 10" WG (Class A), Add</i>	28.58	
<i>For Work In Restricted Working Space, Add</i>	18.64	
23 31 13 13-0064 LF 18" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	62.45	33.55
<i>For 3" WG (Class B), Add</i>	8.39	
<i>For 4" Or 6" WG (Class A), Add</i>	17.90	
<i>For 10" WG (Class A), Add</i>	25.73	
<i>For Work In Restricted Working Space, Add</i>	16.78	
23 31 13 13-0065 LF 18" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	65.93	35.42
<i>For 3" WG (Class B), Add</i>	8.85	
<i>For 4" Or 6" WG (Class A), Add</i>	18.89	
<i>For 10" WG (Class A), Add</i>	27.15	
<i>For Work In Restricted Working Space, Add</i>	17.71	
23 31 13 13-0066 LF 18" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	69.38	37.28
<i>For 3" WG (Class B), Add</i>	9.32	
<i>For 4" Or 6" WG (Class A), Add</i>	19.88	
<i>For 10" WG (Class A), Add</i>	28.58	
<i>For Work In Restricted Working Space, Add</i>	18.64	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0067	LF	18" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.84	39.15
			<i>For 3" WG (Class B), Add</i>	9.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	20.88	
			<i>For 10" WG (Class A), Add</i>	30.01	
			<i>For Work In Restricted Working Space, Add</i>	19.57	
23 31 13	13-0068	LF	20" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	69.38	37.28
			<i>For 3" WG (Class B), Add</i>	9.32	
			<i>For 4" Or 6" WG (Class A), Add</i>	19.88	
			<i>For 10" WG (Class A), Add</i>	28.58	
			<i>For Work In Restricted Working Space, Add</i>	18.64	
23 31 13	13-0069	LF	20" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.84	39.15
			<i>For 3" WG (Class B), Add</i>	9.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	20.88	
			<i>For 10" WG (Class A), Add</i>	30.01	
			<i>For Work In Restricted Working Space, Add</i>	19.57	
23 31 13	13-0070	LF	20" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.32	41.00
			<i>For 3" WG (Class B), Add</i>	10.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.87	
			<i>For 10" WG (Class A), Add</i>	31.44	
			<i>For Work In Restricted Working Space, Add</i>	20.50	
23 31 13	13-0071	LF	22" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.32	41.00
			<i>For 3" WG (Class B), Add</i>	10.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.87	
			<i>For 10" WG (Class A), Add</i>	31.44	
			<i>For Work In Restricted Working Space, Add</i>	20.50	
23 31 13	13-0072	LF	22" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.78	42.87
			<i>For 3" WG (Class B), Add</i>	10.72	
			<i>For 4" Or 6" WG (Class A), Add</i>	22.86	
			<i>For 10" WG (Class A), Add</i>	32.87	
			<i>For Work In Restricted Working Space, Add</i>	21.44	
23 31 13	13-0073	LF	24" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	83.27	44.74
			<i>For 3" WG (Class B), Add</i>	11.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.86	
			<i>For 10" WG (Class A), Add</i>	34.30	
			<i>For Work In Restricted Working Space, Add</i>	22.37	
23 31 13	13-0074		28 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13	13-0075	LF	4" x 4", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	16.51	8.88
			<i>For 3" WG (Class B), Add</i>	2.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	4.73	
			<i>For 10" WG (Class A), Add</i>	6.80	
			<i>For Work In Restricted Working Space, Add</i>	4.44	
23 31 13	13-0076	LF	4" x 6", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.65	11.09
			<i>For 3" WG (Class B), Add</i>	2.77	
			<i>For 4" Or 6" WG (Class A), Add</i>	5.92	
			<i>For 10" WG (Class A), Add</i>	8.51	
			<i>For Work In Restricted Working Space, Add</i>	5.55	
23 31 13	13-0077	LF	4" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.79	13.31
			<i>For 3" WG (Class B), Add</i>	3.33	
			<i>For 4" Or 6" WG (Class A), Add</i>	7.10	
			<i>For 10" WG (Class A), Add</i>	10.21	
			<i>For Work In Restricted Working Space, Add</i>	6.66	
23 31 13	13-0078	LF	4" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.90	15.54
			<i>For 3" WG (Class B), Add</i>	3.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	8.28	
			<i>For 10" WG (Class A), Add</i>	11.91	
			<i>For Work In Restricted Working Space, Add</i>	7.77	
23 31 13	13-0079	LF	4" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	33.05	17.76
			<i>For 3" WG (Class B), Add</i>	4.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	9.47	
			<i>For 10" WG (Class A), Add</i>	13.61	
			<i>For Work In Restricted Working Space, Add</i>	8.88	
23 31 13	13-0080	LF	4" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.17	19.97
			<i>For 3" WG (Class B), Add</i>	4.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	10.65	
			<i>For 10" WG (Class A), Add</i>	15.31	
			<i>For Work In Restricted Working Space, Add</i>	9.99	
23 31 13	13-0081	LF	4" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.30	22.20
			<i>For 3" WG (Class B), Add</i>	5.55	
			<i>For 4" Or 6" WG (Class A), Add</i>	11.84	
			<i>For 10" WG (Class A), Add</i>	17.02	
			<i>For Work In Restricted Working Space, Add</i>	11.10	
23 31 13	13-0082	LF	6" x 6", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.79	13.31
			<i>For 3" WG (Class B), Add</i>	3.33	
			<i>For 4" Or 6" WG (Class A), Add</i>	7.10	
			<i>For 10" WG (Class A), Add</i>	10.21	
			<i>For Work In Restricted Working Space, Add</i>	6.66	
23 31 13	13-0083	LF	6" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.90	15.54
			<i>For 3" WG (Class B), Add</i>	3.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	8.28	
			<i>For 10" WG (Class A), Add</i>	11.91	
			<i>For Work In Restricted Working Space, Add</i>	7.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0084 LF 6" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	33.05	17.76
<i>For 3" WG (Class B), Add</i>	4.44	
<i>For 4" Or 6" WG (Class A), Add</i>	9.47	
<i>For 10" WG (Class A), Add</i>	13.61	
<i>For Work In Restricted Working Space, Add</i>	8.88	
23 31 13 13-0085 LF 6" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.17	19.97
<i>For 3" WG (Class B), Add</i>	4.99	
<i>For 4" Or 6" WG (Class A), Add</i>	10.65	
<i>For 10" WG (Class A), Add</i>	15.31	
<i>For Work In Restricted Working Space, Add</i>	9.99	
23 31 13 13-0086 LF 6" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.30	22.20
<i>For 3" WG (Class B), Add</i>	5.55	
<i>For 4" Or 6" WG (Class A), Add</i>	11.84	
<i>For 10" WG (Class A), Add</i>	17.02	
<i>For Work In Restricted Working Space, Add</i>	11.10	
23 31 13 13-0087 LF 6" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	45.44	24.41
<i>For 3" WG (Class B), Add</i>	6.10	
<i>For 4" Or 6" WG (Class A), Add</i>	13.02	
<i>For 10" WG (Class A), Add</i>	18.72	
<i>For Work In Restricted Working Space, Add</i>	12.21	
23 31 13 13-0088 LF 8" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	33.05	17.76
<i>For 3" WG (Class B), Add</i>	4.44	
<i>For 4" Or 6" WG (Class A), Add</i>	9.47	
<i>For 10" WG (Class A), Add</i>	13.61	
<i>For Work In Restricted Working Space, Add</i>	8.88	
23 31 13 13-0089 LF 8" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.17	19.97
<i>For 3" WG (Class B), Add</i>	4.99	
<i>For 4" Or 6" WG (Class A), Add</i>	10.65	
<i>For 10" WG (Class A), Add</i>	15.31	
<i>For Work In Restricted Working Space, Add</i>	9.99	
23 31 13 13-0090 LF 8" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.30	22.20
<i>For 3" WG (Class B), Add</i>	5.55	
<i>For 4" Or 6" WG (Class A), Add</i>	11.84	
<i>For 10" WG (Class A), Add</i>	17.02	
<i>For Work In Restricted Working Space, Add</i>	11.10	
23 31 13 13-0091 LF 8" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	45.44	24.41
<i>For 3" WG (Class B), Add</i>	6.10	
<i>For 4" Or 6" WG (Class A), Add</i>	13.02	
<i>For 10" WG (Class A), Add</i>	18.72	
<i>For Work In Restricted Working Space, Add</i>	12.21	
23 31 13 13-0092 LF 8" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.56	26.63
<i>For 3" WG (Class B), Add</i>	6.66	
<i>For 4" Or 6" WG (Class A), Add</i>	14.20	
<i>For 10" WG (Class A), Add</i>	20.41	
<i>For Work In Restricted Working Space, Add</i>	13.31	
23 31 13 13-0093 LF 8" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	53.68	28.85
<i>For 3" WG (Class B), Add</i>	7.21	
<i>For 4" Or 6" WG (Class A), Add</i>	15.39	
<i>For 10" WG (Class A), Add</i>	22.12	
<i>For Work In Restricted Working Space, Add</i>	14.42	
23 31 13 13-0094 LF 8" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.82	31.07
<i>For 3" WG (Class B), Add</i>	7.77	
<i>For 4" Or 6" WG (Class A), Add</i>	16.57	
<i>For 10" WG (Class A), Add</i>	23.82	
<i>For Work In Restricted Working Space, Add</i>	15.53	
23 31 13 13-0095 LF 8" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.94	33.29
<i>For 3" WG (Class B), Add</i>	8.32	
<i>For 4" Or 6" WG (Class A), Add</i>	17.75	
<i>For 10" WG (Class A), Add</i>	25.52	
<i>For Work In Restricted Working Space, Add</i>	16.64	
23 31 13 13-0096 LF 8" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.08	35.50
<i>For 3" WG (Class B), Add</i>	8.88	
<i>For 4" Or 6" WG (Class A), Add</i>	18.93	
<i>For 10" WG (Class A), Add</i>	27.22	
<i>For Work In Restricted Working Space, Add</i>	17.75	
23 31 13 13-0097 LF 10" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.30	22.20
<i>For 3" WG (Class B), Add</i>	5.55	
<i>For 4" Or 6" WG (Class A), Add</i>	11.84	
<i>For 10" WG (Class A), Add</i>	17.02	
<i>For Work In Restricted Working Space, Add</i>	11.10	
23 31 13 13-0098 LF 10" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	45.44	24.41
<i>For 3" WG (Class B), Add</i>	6.10	
<i>For 4" Or 6" WG (Class A), Add</i>	13.02	
<i>For 10" WG (Class A), Add</i>	18.72	
<i>For Work In Restricted Working Space, Add</i>	12.21	
23 31 13 13-0099 LF 10" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.56	26.63
<i>For 3" WG (Class B), Add</i>	6.66	
<i>For 4" Or 6" WG (Class A), Add</i>	14.20	
<i>For 10" WG (Class A), Add</i>	20.41	
<i>For Work In Restricted Working Space, Add</i>	13.31	
23 31 13 13-0100 LF 10" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	53.68	28.85
<i>For 3" WG (Class B), Add</i>	7.21	
<i>For 4" Or 6" WG (Class A), Add</i>	15.39	
<i>For 10" WG (Class A), Add</i>	22.12	
<i>For Work In Restricted Working Space, Add</i>	14.42	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0101 LF 10" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.82	31.07
For 3" WG (Class B), Add	7.77	
For 4" Or 6" WG (Class A), Add	16.57	
For 10" WG (Class A), Add	23.82	
For Work In Restricted Working Space, Add	15.53	
23 31 13 13-0102 LF 10" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.94	33.29
For 3" WG (Class B), Add	8.32	
For 4" Or 6" WG (Class A), Add	17.75	
For 10" WG (Class A), Add	25.52	
For Work In Restricted Working Space, Add	16.64	
23 31 13 13-0103 LF 10" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.08	35.50
For 3" WG (Class B), Add	8.88	
For 4" Or 6" WG (Class A), Add	18.93	
For 10" WG (Class A), Add	27.22	
For Work In Restricted Working Space, Add	17.75	
23 31 13 13-0104 LF 10" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.23	37.73
For 3" WG (Class B), Add	9.43	
For 4" Or 6" WG (Class A), Add	20.12	
For 10" WG (Class A), Add	28.93	
For Work In Restricted Working Space, Add	18.87	
23 31 13 13-0105 LF 12" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.56	26.63
For 3" WG (Class B), Add	6.66	
For 4" Or 6" WG (Class A), Add	14.20	
For 10" WG (Class A), Add	20.41	
For Work In Restricted Working Space, Add	13.31	
23 31 13 13-0106 LF 12" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	53.68	28.85
For 3" WG (Class B), Add	7.21	
For 4" Or 6" WG (Class A), Add	15.39	
For 10" WG (Class A), Add	22.12	
For Work In Restricted Working Space, Add	14.42	
23 31 13 13-0107 LF 12" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.82	31.07
For 3" WG (Class B), Add	7.77	
For 4" Or 6" WG (Class A), Add	16.57	
For 10" WG (Class A), Add	23.82	
For Work In Restricted Working Space, Add	15.53	
23 31 13 13-0108 LF 12" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.94	33.29
For 3" WG (Class B), Add	8.32	
For 4" Or 6" WG (Class A), Add	17.75	
For 10" WG (Class A), Add	25.52	
For Work In Restricted Working Space, Add	16.64	
23 31 13 13-0109 LF 12" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.08	35.50
For 3" WG (Class B), Add	8.88	
For 4" Or 6" WG (Class A), Add	18.93	
For 10" WG (Class A), Add	27.22	
For Work In Restricted Working Space, Add	17.75	
23 31 13 13-0110 LF 12" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.23	37.73
For 3" WG (Class B), Add	9.43	
For 4" Or 6" WG (Class A), Add	20.12	
For 10" WG (Class A), Add	28.93	
For Work In Restricted Working Space, Add	18.87	
23 31 13 13-0111 LF 12" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.34	39.94
For 3" WG (Class B), Add	9.99	
For 4" Or 6" WG (Class A), Add	21.31	
For 10" WG (Class A), Add	30.63	
For Work In Restricted Working Space, Add	19.97	
23 31 13 13-0112 LF 14" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.82	31.07
For 3" WG (Class B), Add	7.77	
For 4" Or 6" WG (Class A), Add	16.57	
For 10" WG (Class A), Add	23.82	
For Work In Restricted Working Space, Add	15.53	
23 31 13 13-0113 LF 14" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.94	33.29
For 3" WG (Class B), Add	8.32	
For 4" Or 6" WG (Class A), Add	17.75	
For 10" WG (Class A), Add	25.52	
For Work In Restricted Working Space, Add	16.64	
23 31 13 13-0114 LF 14" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.08	35.50
For 3" WG (Class B), Add	8.88	
For 4" Or 6" WG (Class A), Add	18.93	
For 10" WG (Class A), Add	27.22	
For Work In Restricted Working Space, Add	17.75	
23 31 13 13-0115 LF 14" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.23	37.73
For 3" WG (Class B), Add	9.43	
For 4" Or 6" WG (Class A), Add	20.12	
For 10" WG (Class A), Add	28.93	
For Work In Restricted Working Space, Add	18.87	
23 31 13 13-0116 LF 14" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.34	39.94
For 3" WG (Class B), Add	9.99	
For 4" Or 6" WG (Class A), Add	21.31	
For 10" WG (Class A), Add	30.63	
For Work In Restricted Working Space, Add	19.97	
23 31 13 13-0117 LF 14" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.49	42.16
For 3" WG (Class B), Add	10.54	
For 4" Or 6" WG (Class A), Add	22.49	
For 10" WG (Class A), Add	32.33	
For Work In Restricted Working Space, Add	21.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0118 LF 16" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	66.08	35.50
<i>For 3" WG (Class B), Add</i>	8.88	
<i>For 4" Or 6" WG (Class A), Add</i>	18.93	
<i>For 10" WG (Class A), Add</i>	27.22	
<i>For Work In Restricted Working Space, Add</i>	17.75	
23 31 13 13-0119 LF 16" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	70.23	37.73
<i>For 3" WG (Class B), Add</i>	9.43	
<i>For 4" Or 6" WG (Class A), Add</i>	20.12	
<i>For 10" WG (Class A), Add</i>	28.93	
<i>For Work In Restricted Working Space, Add</i>	18.87	
23 31 13 13-0120 LF 16" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	74.34	39.94
<i>For 3" WG (Class B), Add</i>	9.99	
<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
<i>For 10" WG (Class A), Add</i>	30.63	
<i>For Work In Restricted Working Space, Add</i>	19.97	
23 31 13 13-0121 LF 16" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	78.49	42.16
<i>For 3" WG (Class B), Add</i>	10.54	
<i>For 4" Or 6" WG (Class A), Add</i>	22.49	
<i>For 10" WG (Class A), Add</i>	32.33	
<i>For Work In Restricted Working Space, Add</i>	21.08	
23 31 13 13-0122 LF 16" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	82.60	44.38
<i>For 3" WG (Class B), Add</i>	11.10	
<i>For 4" Or 6" WG (Class A), Add</i>	23.67	
<i>For 10" WG (Class A), Add</i>	34.03	
<i>For Work In Restricted Working Space, Add</i>	22.19	
23 31 13 13-0123 LF 18" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	74.34	39.94
<i>For 3" WG (Class B), Add</i>	9.99	
<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
<i>For 10" WG (Class A), Add</i>	30.63	
<i>For Work In Restricted Working Space, Add</i>	19.97	
23 31 13 13-0124 LF 18" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	78.49	42.16
<i>For 3" WG (Class B), Add</i>	10.54	
<i>For 4" Or 6" WG (Class A), Add</i>	22.49	
<i>For 10" WG (Class A), Add</i>	32.33	
<i>For Work In Restricted Working Space, Add</i>	21.08	
23 31 13 13-0125 LF 18" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	82.60	44.38
<i>For 3" WG (Class B), Add</i>	11.10	
<i>For 4" Or 6" WG (Class A), Add</i>	23.67	
<i>For 10" WG (Class A), Add</i>	34.03	
<i>For Work In Restricted Working Space, Add</i>	22.19	
23 31 13 13-0126 LF 18" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	86.73	46.61
<i>For 3" WG (Class B), Add</i>	11.65	
<i>For 4" Or 6" WG (Class A), Add</i>	24.85	
<i>For 10" WG (Class A), Add</i>	35.73	
<i>For Work In Restricted Working Space, Add</i>	23.30	
23 31 13 13-0127 LF 20" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	82.60	44.38
<i>For 3" WG (Class B), Add</i>	11.10	
<i>For 4" Or 6" WG (Class A), Add</i>	23.67	
<i>For 10" WG (Class A), Add</i>	34.03	
<i>For Work In Restricted Working Space, Add</i>	22.19	
23 31 13 13-0128 LF 20" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	86.73	46.61
<i>For 3" WG (Class B), Add</i>	11.65	
<i>For 4" Or 6" WG (Class A), Add</i>	24.85	
<i>For 10" WG (Class A), Add</i>	35.73	
<i>For Work In Restricted Working Space, Add</i>	23.30	
23 31 13 13-0129 LF 20" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	90.87	48.82
<i>For 3" WG (Class B), Add</i>	12.21	
<i>For 4" Or 6" WG (Class A), Add</i>	26.04	
<i>For 10" WG (Class A), Add</i>	37.43	
<i>For Work In Restricted Working Space, Add</i>	24.41	
23 31 13 13-0130 LF 22" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	90.87	48.82
<i>For 3" WG (Class B), Add</i>	12.21	
<i>For 4" Or 6" WG (Class A), Add</i>	26.04	
<i>For 10" WG (Class A), Add</i>	37.43	
<i>For Work In Restricted Working Space, Add</i>	24.41	
23 31 13 13-0131 LF 22" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	94.99	51.04
<i>For 3" WG (Class B), Add</i>	12.76	
<i>For 4" Or 6" WG (Class A), Add</i>	27.22	
<i>For 10" WG (Class A), Add</i>	39.13	
<i>For Work In Restricted Working Space, Add</i>	25.52	
23 31 13 13-0132 LF 24" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork	99.12	53.27
<i>For 3" WG (Class B), Add</i>	13.32	
<i>For 4" Or 6" WG (Class A), Add</i>	28.41	
<i>For 10" WG (Class A), Add</i>	40.83	
<i>For Work In Restricted Working Space, Add</i>	26.63	
23 31 13 13-0133 26 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13 13-0134 LF 4" x 4", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	19.17	10.29
<i>For 3" WG (Class B), Add</i>	2.58	
<i>For 4" Or 6" WG (Class A), Add</i>	5.49	
<i>For 10" WG (Class A), Add</i>	7.90	
<i>For Work In Restricted Working Space, Add</i>	5.15	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0135	LF	4" x 6", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.95	12.87
			For 3" WG (Class B), Add	3.22	
			For 4" Or 6" WG (Class A), Add	6.86	
			For 10" WG (Class A), Add	9.87	
			For Work In Restricted Working Space, Add	6.44	
23 31 13	13-0136	LF	4" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.74	15.45
			For 3" WG (Class B), Add	3.86	
			For 4" Or 6" WG (Class A), Add	8.24	
			For 10" WG (Class A), Add	11.84	
			For Work In Restricted Working Space, Add	7.72	
23 31 13	13-0137	LF	4" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	33.53	18.03
			For 3" WG (Class B), Add	4.50	
			For 4" Or 6" WG (Class A), Add	9.61	
			For 10" WG (Class A), Add	13.81	
			For Work In Restricted Working Space, Add	9.01	
23 31 13	13-0138	LF	4" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	38.32	20.60
			For 3" WG (Class B), Add	5.15	
			For 4" Or 6" WG (Class A), Add	10.98	
			For 10" WG (Class A), Add	15.79	
			For Work In Restricted Working Space, Add	10.30	
23 31 13	13-0139	LF	4" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.11	23.17
			For 3" WG (Class B), Add	5.79	
			For 4" Or 6" WG (Class A), Add	12.36	
			For 10" WG (Class A), Add	17.76	
			For Work In Restricted Working Space, Add	11.58	
23 31 13	13-0140	LF	4" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.91	25.74
			For 3" WG (Class B), Add	6.44	
			For 4" Or 6" WG (Class A), Add	13.73	
			For 10" WG (Class A), Add	19.74	
			For Work In Restricted Working Space, Add	12.87	
23 31 13	13-0141	LF	6" x 6", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.74	15.45
			For 3" WG (Class B), Add	3.86	
			For 4" Or 6" WG (Class A), Add	8.24	
			For 10" WG (Class A), Add	11.84	
			For Work In Restricted Working Space, Add	7.72	
23 31 13	13-0142	LF	6" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	33.53	18.03
			For 3" WG (Class B), Add	4.50	
			For 4" Or 6" WG (Class A), Add	9.61	
			For 10" WG (Class A), Add	13.81	
			For Work In Restricted Working Space, Add	9.01	
23 31 13	13-0143	LF	6" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	38.32	20.60
			For 3" WG (Class B), Add	5.15	
			For 4" Or 6" WG (Class A), Add	10.98	
			For 10" WG (Class A), Add	15.79	
			For Work In Restricted Working Space, Add	10.30	
23 31 13	13-0144	LF	6" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.12	23.17
			For 3" WG (Class B), Add	5.79	
			For 4" Or 6" WG (Class A), Add	12.36	
			For 10" WG (Class A), Add	17.76	
			For Work In Restricted Working Space, Add	11.58	
23 31 13	13-0145	LF	6" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.91	25.74
			For 3" WG (Class B), Add	6.44	
			For 4" Or 6" WG (Class A), Add	13.73	
			For 10" WG (Class A), Add	19.74	
			For Work In Restricted Working Space, Add	12.87	
23 31 13	13-0146	LF	6" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.71	28.32
			For 3" WG (Class B), Add	7.08	
			For 4" Or 6" WG (Class A), Add	15.10	
			For 10" WG (Class A), Add	21.71	
			For Work In Restricted Working Space, Add	14.16	
23 31 13	13-0147	LF	8" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	38.32	20.60
			For 3" WG (Class B), Add	5.15	
			For 4" Or 6" WG (Class A), Add	10.98	
			For 10" WG (Class A), Add	15.79	
			For Work In Restricted Working Space, Add	10.30	
23 31 13	13-0148	LF	8" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.12	23.17
			For 3" WG (Class B), Add	5.79	
			For 4" Or 6" WG (Class A), Add	12.36	
			For 10" WG (Class A), Add	17.76	
			For Work In Restricted Working Space, Add	11.58	
23 31 13	13-0149	LF	8" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.92	25.74
			For 3" WG (Class B), Add	6.44	
			For 4" Or 6" WG (Class A), Add	13.73	
			For 10" WG (Class A), Add	19.74	
			For Work In Restricted Working Space, Add	12.87	
23 31 13	13-0150	LF	8" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.71	28.32
			For 3" WG (Class B), Add	7.08	
			For 4" Or 6" WG (Class A), Add	15.10	
			For 10" WG (Class A), Add	21.71	
			For Work In Restricted Working Space, Add	14.16	
23 31 13	13-0151	LF	8" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.50	30.89
			For 3" WG (Class B), Add	7.72	
			For 4" Or 6" WG (Class A), Add	16.48	
			For 10" WG (Class A), Add	23.69	
			For Work In Restricted Working Space, Add	15.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0152 LF 8" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	62.29	33.47
<i>For 3" WG (Class B), Add</i>	8.37	
<i>For 4" Or 6" WG (Class A), Add</i>	17.85	
<i>For 10" WG (Class A), Add</i>	25.66	
<i>For Work In Restricted Working Space, Add</i>	16.73	
23 31 13 13-0153 LF 8" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.07	36.04
<i>For 3" WG (Class B), Add</i>	9.01	
<i>For 4" Or 6" WG (Class A), Add</i>	19.22	
<i>For 10" WG (Class A), Add</i>	27.63	
<i>For Work In Restricted Working Space, Add</i>	18.02	
23 31 13 13-0154 LF 8" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.88	38.61
<i>For 3" WG (Class B), Add</i>	9.65	
<i>For 4" Or 6" WG (Class A), Add</i>	20.60	
<i>For 10" WG (Class A), Add</i>	29.61	
<i>For Work In Restricted Working Space, Add</i>	19.31	
23 31 13 13-0155 LF 8" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.66	41.18
<i>For 3" WG (Class B), Add</i>	10.30	
<i>For 4" Or 6" WG (Class A), Add</i>	21.97	
<i>For 10" WG (Class A), Add</i>	31.58	
<i>For Work In Restricted Working Space, Add</i>	20.60	
23 31 13 13-0156 LF 10" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	47.92	25.74
<i>For 3" WG (Class B), Add</i>	6.44	
<i>For 4" Or 6" WG (Class A), Add</i>	13.73	
<i>For 10" WG (Class A), Add</i>	19.74	
<i>For Work In Restricted Working Space, Add</i>	12.87	
23 31 13 13-0157 LF 10" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	52.71	28.32
<i>For 3" WG (Class B), Add</i>	7.08	
<i>For 4" Or 6" WG (Class A), Add</i>	15.10	
<i>For 10" WG (Class A), Add</i>	21.71	
<i>For Work In Restricted Working Space, Add</i>	14.16	
23 31 13 13-0158 LF 10" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	57.50	30.89
<i>For 3" WG (Class B), Add</i>	7.72	
<i>For 4" Or 6" WG (Class A), Add</i>	16.48	
<i>For 10" WG (Class A), Add</i>	23.69	
<i>For Work In Restricted Working Space, Add</i>	15.45	
23 31 13 13-0159 LF 10" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	62.29	33.47
<i>For 3" WG (Class B), Add</i>	8.37	
<i>For 4" Or 6" WG (Class A), Add</i>	17.85	
<i>For 10" WG (Class A), Add</i>	25.66	
<i>For Work In Restricted Working Space, Add</i>	16.73	
23 31 13 13-0160 LF 10" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	67.07	36.04
<i>For 3" WG (Class B), Add</i>	9.01	
<i>For 4" Or 6" WG (Class A), Add</i>	19.22	
<i>For 10" WG (Class A), Add</i>	27.63	
<i>For Work In Restricted Working Space, Add</i>	18.02	
23 31 13 13-0161 LF 10" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	71.88	38.61
<i>For 3" WG (Class B), Add</i>	9.65	
<i>For 4" Or 6" WG (Class A), Add</i>	20.60	
<i>For 10" WG (Class A), Add</i>	29.61	
<i>For Work In Restricted Working Space, Add</i>	19.31	
23 31 13 13-0162 LF 10" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	76.66	41.18
<i>For 3" WG (Class B), Add</i>	10.30	
<i>For 4" Or 6" WG (Class A), Add</i>	21.97	
<i>For 10" WG (Class A), Add</i>	31.58	
<i>For Work In Restricted Working Space, Add</i>	20.60	
23 31 13 13-0163 LF 10" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	81.46	43.77
<i>For 3" WG (Class B), Add</i>	10.94	
<i>For 4" Or 6" WG (Class A), Add</i>	23.34	
<i>For 10" WG (Class A), Add</i>	33.56	
<i>For Work In Restricted Working Space, Add</i>	21.89	
23 31 13 13-0164 LF 12" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	57.50	30.89
<i>For 3" WG (Class B), Add</i>	7.72	
<i>For 4" Or 6" WG (Class A), Add</i>	16.48	
<i>For 10" WG (Class A), Add</i>	23.69	
<i>For Work In Restricted Working Space, Add</i>	15.45	
23 31 13 13-0165 LF 12" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	62.29	33.47
<i>For 3" WG (Class B), Add</i>	8.37	
<i>For 4" Or 6" WG (Class A), Add</i>	17.85	
<i>For 10" WG (Class A), Add</i>	25.66	
<i>For Work In Restricted Working Space, Add</i>	16.73	
23 31 13 13-0166 LF 12" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	67.07	36.04
<i>For 3" WG (Class B), Add</i>	9.01	
<i>For 4" Or 6" WG (Class A), Add</i>	19.22	
<i>For 10" WG (Class A), Add</i>	27.63	
<i>For Work In Restricted Working Space, Add</i>	18.02	
23 31 13 13-0167 LF 12" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	71.88	38.61
<i>For 3" WG (Class B), Add</i>	9.65	
<i>For 4" Or 6" WG (Class A), Add</i>	20.60	
<i>For 10" WG (Class A), Add</i>	29.61	
<i>For Work In Restricted Working Space, Add</i>	19.31	
23 31 13 13-0168 LF 12" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	76.66	41.18
<i>For 3" WG (Class B), Add</i>	10.30	
<i>For 4" Or 6" WG (Class A), Add</i>	21.97	
<i>For 10" WG (Class A), Add</i>	31.58	
<i>For Work In Restricted Working Space, Add</i>	20.60	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0169	LF	12" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	81.46	43.77
			<i>For 3" WG (Class B), Add</i>	10.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.34	
			<i>For 10" WG (Class A), Add</i>	33.56	
			<i>For Work In Restricted Working Space, Add</i>	21.89	
23 31 13	13-0170	LF	12" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	86.25	46.34
			<i>For 3" WG (Class B), Add</i>	11.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	24.72	
			<i>For 10" WG (Class A), Add</i>	35.53	
			<i>For Work In Restricted Working Space, Add</i>	23.17	
23 31 13	13-0171	LF	14" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.07	36.04
			<i>For 3" WG (Class B), Add</i>	9.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	19.22	
			<i>For 10" WG (Class A), Add</i>	27.63	
			<i>For Work In Restricted Working Space, Add</i>	18.02	
23 31 13	13-0172	LF	14" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.88	38.61
			<i>For 3" WG (Class B), Add</i>	9.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	20.60	
			<i>For 10" WG (Class A), Add</i>	29.61	
			<i>For Work In Restricted Working Space, Add</i>	19.31	
23 31 13	13-0173	LF	14" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.66	41.18
			<i>For 3" WG (Class B), Add</i>	10.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.97	
			<i>For 10" WG (Class A), Add</i>	31.58	
			<i>For Work In Restricted Working Space, Add</i>	20.60	
23 31 13	13-0174	LF	14" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	81.46	43.77
			<i>For 3" WG (Class B), Add</i>	10.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.34	
			<i>For 10" WG (Class A), Add</i>	33.56	
			<i>For Work In Restricted Working Space, Add</i>	21.89	
23 31 13	13-0175	LF	14" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	86.25	46.34
			<i>For 3" WG (Class B), Add</i>	11.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	24.72	
			<i>For 10" WG (Class A), Add</i>	35.53	
			<i>For Work In Restricted Working Space, Add</i>	23.17	
23 31 13	13-0176	LF	14" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	91.05	48.92
			<i>For 3" WG (Class B), Add</i>	12.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	26.09	
			<i>For 10" WG (Class A), Add</i>	37.50	
			<i>For Work In Restricted Working Space, Add</i>	24.46	
23 31 13	13-0177	LF	16" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.66	41.18
			<i>For 3" WG (Class B), Add</i>	10.30	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.97	
			<i>For 10" WG (Class A), Add</i>	31.58	
			<i>For Work In Restricted Working Space, Add</i>	20.60	
23 31 13	13-0178	LF	16" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	81.46	43.77
			<i>For 3" WG (Class B), Add</i>	10.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.34	
			<i>For 10" WG (Class A), Add</i>	33.56	
			<i>For Work In Restricted Working Space, Add</i>	21.89	
23 31 13	13-0179	LF	16" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	86.25	46.34
			<i>For 3" WG (Class B), Add</i>	11.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	24.72	
			<i>For 10" WG (Class A), Add</i>	35.53	
			<i>For Work In Restricted Working Space, Add</i>	23.17	
23 31 13	13-0180	LF	16" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	91.05	48.92
			<i>For 3" WG (Class B), Add</i>	12.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	26.09	
			<i>For 10" WG (Class A), Add</i>	37.50	
			<i>For Work In Restricted Working Space, Add</i>	24.46	
23 31 13	13-0181	LF	16" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.83	51.49
			<i>For 3" WG (Class B), Add</i>	12.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.46	
			<i>For 10" WG (Class A), Add</i>	39.47	
			<i>For Work In Restricted Working Space, Add</i>	25.74	
23 31 13	13-0182	LF	18" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	86.25	46.34
			<i>For 3" WG (Class B), Add</i>	11.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	24.72	
			<i>For 10" WG (Class A), Add</i>	35.53	
			<i>For Work In Restricted Working Space, Add</i>	23.17	
23 31 13	13-0183	LF	18" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	91.05	48.92
			<i>For 3" WG (Class B), Add</i>	12.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	26.09	
			<i>For 10" WG (Class A), Add</i>	37.50	
			<i>For Work In Restricted Working Space, Add</i>	24.46	
23 31 13	13-0184	LF	18" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.83	51.49
			<i>For 3" WG (Class B), Add</i>	12.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.46	
			<i>For 10" WG (Class A), Add</i>	39.47	
			<i>For Work In Restricted Working Space, Add</i>	25.74	
23 31 13	13-0185	LF	18" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	100.61	54.06
			<i>For 3" WG (Class B), Add</i>	13.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	28.83	
			<i>For 10" WG (Class A), Add</i>	41.45	
			<i>For Work In Restricted Working Space, Add</i>	27.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0186 LF 20" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	95.83	51.49
<i>For 3" WG (Class B), Add</i>	12.87	
<i>For 4" Or 6" WG (Class A), Add</i>	27.46	
<i>For 10" WG (Class A), Add</i>	39.47	
<i>For Work In Restricted Working Space, Add</i>	25.74	
23 31 13 13-0187 LF 20" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	100.61	54.06
<i>For 3" WG (Class B), Add</i>	13.52	
<i>For 4" Or 6" WG (Class A), Add</i>	28.83	
<i>For 10" WG (Class A), Add</i>	41.45	
<i>For Work In Restricted Working Space, Add</i>	27.03	
23 31 13 13-0188 LF 20" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	105.40	56.63
<i>For 3" WG (Class B), Add</i>	14.16	
<i>For 4" Or 6" WG (Class A), Add</i>	30.20	
<i>For 10" WG (Class A), Add</i>	43.42	
<i>For Work In Restricted Working Space, Add</i>	28.32	
23 31 13 13-0189 LF 22" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	105.40	56.63
<i>For 3" WG (Class B), Add</i>	14.16	
<i>For 4" Or 6" WG (Class A), Add</i>	30.20	
<i>For 10" WG (Class A), Add</i>	43.42	
<i>For Work In Restricted Working Space, Add</i>	28.32	
23 31 13 13-0190 LF 22" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	110.20	59.21
<i>For 3" WG (Class B), Add</i>	14.80	
<i>For 4" Or 6" WG (Class A), Add</i>	31.58	
<i>For 10" WG (Class A), Add</i>	45.39	
<i>For Work In Restricted Working Space, Add</i>	29.60	
23 31 13 13-0191 LF 24" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork	115.00	61.78
<i>For 3" WG (Class B), Add</i>	15.45	
<i>For 4" Or 6" WG (Class A), Add</i>	32.95	
<i>For 10" WG (Class A), Add</i>	47.37	
<i>For Work In Restricted Working Space, Add</i>	30.89	
23 31 13 13-0192 24 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13 13-0193 LF 4" x 4", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	29.20	15.98
<i>For 3" WG (Class B), Add</i>	4.00	
<i>For 4" Or 6" WG (Class A), Add</i>	8.52	
<i>For 10" WG (Class A), Add</i>	12.25	
<i>For Work In Restricted Working Space, Add</i>	7.99	
23 31 13 13-0194 LF 4" x 6", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	36.49	19.97
<i>For 3" WG (Class B), Add</i>	5.00	
<i>For 4" Or 6" WG (Class A), Add</i>	10.66	
<i>For 10" WG (Class A), Add</i>	15.32	
<i>For Work In Restricted Working Space, Add</i>	9.99	
23 31 13 13-0195 LF 4" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	43.78	23.97
<i>For 3" WG (Class B), Add</i>	5.99	
<i>For 4" Or 6" WG (Class A), Add</i>	12.78	
<i>For 10" WG (Class A), Add</i>	18.38	
<i>For Work In Restricted Working Space, Add</i>	11.99	
23 31 13 13-0196 LF 4" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	51.08	27.97
<i>For 3" WG (Class B), Add</i>	6.99	
<i>For 4" Or 6" WG (Class A), Add</i>	14.92	
<i>For 10" WG (Class A), Add</i>	21.44	
<i>For Work In Restricted Working Space, Add</i>	13.98	
23 31 13 13-0197 LF 4" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	58.38	31.97
<i>For 3" WG (Class B), Add</i>	7.99	
<i>For 4" Or 6" WG (Class A), Add</i>	17.05	
<i>For 10" WG (Class A), Add</i>	24.50	
<i>For Work In Restricted Working Space, Add</i>	15.98	
23 31 13 13-0198 LF 4" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	65.68	35.96
<i>For 3" WG (Class B), Add</i>	8.99	
<i>For 4" Or 6" WG (Class A), Add</i>	19.18	
<i>For 10" WG (Class A), Add</i>	27.57	
<i>For Work In Restricted Working Space, Add</i>	17.98	
23 31 13 13-0199 LF 4" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	72.98	39.95
<i>For 3" WG (Class B), Add</i>	9.99	
<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
<i>For 10" WG (Class A), Add</i>	30.63	
<i>For Work In Restricted Working Space, Add</i>	19.98	
23 31 13 13-0200 LF 6" x 6", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	43.78	23.97
<i>For 3" WG (Class B), Add</i>	5.99	
<i>For 4" Or 6" WG (Class A), Add</i>	12.78	
<i>For 10" WG (Class A), Add</i>	18.38	
<i>For Work In Restricted Working Space, Add</i>	11.99	
23 31 13 13-0201 LF 6" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	51.08	27.97
<i>For 3" WG (Class B), Add</i>	6.99	
<i>For 4" Or 6" WG (Class A), Add</i>	14.92	
<i>For 10" WG (Class A), Add</i>	21.44	
<i>For Work In Restricted Working Space, Add</i>	13.98	
23 31 13 13-0202 LF 6" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	58.38	31.97
<i>For 3" WG (Class B), Add</i>	7.99	
<i>For 4" Or 6" WG (Class A), Add</i>	17.05	
<i>For 10" WG (Class A), Add</i>	24.50	
<i>For Work In Restricted Working Space, Add</i>	15.98	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0203	LF	6" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.68	35.96
			<i>For 3" WG (Class B), Add</i>	8.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	19.18	
			<i>For 10" WG (Class A), Add</i>	27.57	
			<i>For Work In Restricted Working Space, Add</i>	17.98	
23 31 13	13-0204	LF	6" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.98	39.95
			<i>For 3" WG (Class B), Add</i>	9.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
			<i>For 10" WG (Class A), Add</i>	30.63	
			<i>For Work In Restricted Working Space, Add</i>	19.98	
23 31 13	13-0205	LF	6" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	80.28	43.95
			<i>For 3" WG (Class B), Add</i>	10.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.44	
			<i>For 10" WG (Class A), Add</i>	33.70	
			<i>For Work In Restricted Working Space, Add</i>	21.98	
23 31 13	13-0206	LF	8" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	58.38	31.97
			<i>For 3" WG (Class B), Add</i>	7.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.05	
			<i>For 10" WG (Class A), Add</i>	24.50	
			<i>For Work In Restricted Working Space, Add</i>	15.98	
23 31 13	13-0207	LF	8" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.68	35.96
			<i>For 3" WG (Class B), Add</i>	8.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	19.18	
			<i>For 10" WG (Class A), Add</i>	27.57	
			<i>For Work In Restricted Working Space, Add</i>	17.98	
23 31 13	13-0208	LF	8" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.98	39.95
			<i>For 3" WG (Class B), Add</i>	9.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
			<i>For 10" WG (Class A), Add</i>	30.63	
			<i>For Work In Restricted Working Space, Add</i>	19.98	
23 31 13	13-0209	LF	8" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	80.28	43.95
			<i>For 3" WG (Class B), Add</i>	10.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.44	
			<i>For 10" WG (Class A), Add</i>	33.70	
			<i>For Work In Restricted Working Space, Add</i>	21.98	
23 31 13	13-0210	LF	8" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	87.57	47.94
			<i>For 3" WG (Class B), Add</i>	11.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.57	
			<i>For 10" WG (Class A), Add</i>	36.76	
			<i>For Work In Restricted Working Space, Add</i>	23.97	
23 31 13	13-0211	LF	8" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.86	51.94
			<i>For 3" WG (Class B), Add</i>	12.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.70	
			<i>For 10" WG (Class A), Add</i>	39.82	
			<i>For Work In Restricted Working Space, Add</i>	25.97	
23 31 13	13-0212	LF	8" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.16	55.94
			<i>For 3" WG (Class B), Add</i>	13.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.83	
			<i>For 10" WG (Class A), Add</i>	42.88	
			<i>For Work In Restricted Working Space, Add</i>	27.97	
23 31 13	13-0213	LF	8" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	109.46	59.93
			<i>For 3" WG (Class B), Add</i>	14.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	31.96	
			<i>For 10" WG (Class A), Add</i>	45.94	
			<i>For Work In Restricted Working Space, Add</i>	29.96	
23 31 13	13-0214	LF	8" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.76	63.92
			<i>For 3" WG (Class B), Add</i>	15.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.09	
			<i>For 10" WG (Class A), Add</i>	49.01	
			<i>For Work In Restricted Working Space, Add</i>	31.96	
23 31 13	13-0215	LF	10" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	72.98	39.95
			<i>For 3" WG (Class B), Add</i>	9.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
			<i>For 10" WG (Class A), Add</i>	30.63	
			<i>For Work In Restricted Working Space, Add</i>	19.98	
23 31 13	13-0216	LF	10" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	80.28	43.95
			<i>For 3" WG (Class B), Add</i>	10.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.44	
			<i>For 10" WG (Class A), Add</i>	33.70	
			<i>For Work In Restricted Working Space, Add</i>	21.98	
23 31 13	13-0217	LF	10" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	87.57	47.94
			<i>For 3" WG (Class B), Add</i>	11.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.57	
			<i>For 10" WG (Class A), Add</i>	36.76	
			<i>For Work In Restricted Working Space, Add</i>	23.97	
23 31 13	13-0218	LF	10" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	94.86	51.94
			<i>For 3" WG (Class B), Add</i>	12.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.70	
			<i>For 10" WG (Class A), Add</i>	39.82	
			<i>For Work In Restricted Working Space, Add</i>	25.97	
23 31 13	13-0219	LF	10" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.16	55.94
			<i>For 3" WG (Class B), Add</i>	13.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.83	
			<i>For 10" WG (Class A), Add</i>	42.88	
			<i>For Work In Restricted Working Space, Add</i>	27.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0220 LF 10" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	109.46	59.93
<i>For 3" WG (Class B), Add</i>	14.98	
<i>For 4" Or 6" WG (Class A), Add</i>	31.96	
<i>For 10" WG (Class A), Add</i>	45.94	
<i>For Work In Restricted Working Space, Add</i>	29.96	
23 31 13 13-0221 LF 10" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	116.76	63.92
<i>For 3" WG (Class B), Add</i>	15.98	
<i>For 4" Or 6" WG (Class A), Add</i>	34.09	
<i>For 10" WG (Class A), Add</i>	49.01	
<i>For Work In Restricted Working Space, Add</i>	31.96	
23 31 13 13-0222 LF 10" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	124.06	67.92
<i>For 3" WG (Class B), Add</i>	16.98	
<i>For 4" Or 6" WG (Class A), Add</i>	36.22	
<i>For 10" WG (Class A), Add</i>	52.07	
<i>For Work In Restricted Working Space, Add</i>	33.96	
23 31 13 13-0223 LF 10" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	131.36	71.91
<i>For 3" WG (Class B), Add</i>	17.98	
<i>For 4" Or 6" WG (Class A), Add</i>	38.36	
<i>For 10" WG (Class A), Add</i>	55.14	
<i>For Work In Restricted Working Space, Add</i>	35.96	
23 31 13 13-0224 LF 10" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	138.66	75.91
<i>For 3" WG (Class B), Add</i>	18.98	
<i>For 4" Or 6" WG (Class A), Add</i>	40.49	
<i>For 10" WG (Class A), Add</i>	58.20	
<i>For Work In Restricted Working Space, Add</i>	37.96	
23 31 13 13-0225 LF 10" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	145.95	79.91
<i>For 3" WG (Class B), Add</i>	19.98	
<i>For 4" Or 6" WG (Class A), Add</i>	42.61	
<i>For 10" WG (Class A), Add</i>	61.26	
<i>For Work In Restricted Working Space, Add</i>	39.95	
23 31 13 13-0226 LF 12" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	87.57	47.94
<i>For 3" WG (Class B), Add</i>	11.99	
<i>For 4" Or 6" WG (Class A), Add</i>	25.57	
<i>For 10" WG (Class A), Add</i>	36.76	
<i>For Work In Restricted Working Space, Add</i>	23.97	
23 31 13 13-0227 LF 12" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	94.86	51.94
<i>For 3" WG (Class B), Add</i>	12.98	
<i>For 4" Or 6" WG (Class A), Add</i>	27.70	
<i>For 10" WG (Class A), Add</i>	39.82	
<i>For Work In Restricted Working Space, Add</i>	25.97	
23 31 13 13-0228 LF 12" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	102.16	55.94
<i>For 3" WG (Class B), Add</i>	13.98	
<i>For 4" Or 6" WG (Class A), Add</i>	29.83	
<i>For 10" WG (Class A), Add</i>	42.88	
<i>For Work In Restricted Working Space, Add</i>	27.97	
23 31 13 13-0229 LF 12" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	109.46	59.93
<i>For 3" WG (Class B), Add</i>	14.98	
<i>For 4" Or 6" WG (Class A), Add</i>	31.96	
<i>For 10" WG (Class A), Add</i>	45.94	
<i>For Work In Restricted Working Space, Add</i>	29.96	
23 31 13 13-0230 LF 12" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	116.76	63.92
<i>For 3" WG (Class B), Add</i>	15.98	
<i>For 4" Or 6" WG (Class A), Add</i>	34.09	
<i>For 10" WG (Class A), Add</i>	49.01	
<i>For Work In Restricted Working Space, Add</i>	31.96	
23 31 13 13-0231 LF 12" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	124.06	67.92
<i>For 3" WG (Class B), Add</i>	16.98	
<i>For 4" Or 6" WG (Class A), Add</i>	36.22	
<i>For 10" WG (Class A), Add</i>	52.07	
<i>For Work In Restricted Working Space, Add</i>	33.96	
23 31 13 13-0232 LF 12" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	131.36	71.91
<i>For 3" WG (Class B), Add</i>	17.98	
<i>For 4" Or 6" WG (Class A), Add</i>	38.36	
<i>For 10" WG (Class A), Add</i>	55.14	
<i>For Work In Restricted Working Space, Add</i>	35.96	
23 31 13 13-0233 LF 12" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	138.66	75.91
<i>For 3" WG (Class B), Add</i>	18.98	
<i>For 4" Or 6" WG (Class A), Add</i>	40.49	
<i>For 10" WG (Class A), Add</i>	58.20	
<i>For Work In Restricted Working Space, Add</i>	37.96	
23 31 13 13-0234 LF 12" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	145.95	79.91
<i>For 3" WG (Class B), Add</i>	19.98	
<i>For 4" Or 6" WG (Class A), Add</i>	42.61	
<i>For 10" WG (Class A), Add</i>	61.26	
<i>For Work In Restricted Working Space, Add</i>	39.95	
23 31 13 13-0235 LF 12" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	153.24	83.91
<i>For 3" WG (Class B), Add</i>	20.97	
<i>For 4" Or 6" WG (Class A), Add</i>	44.75	
<i>For 10" WG (Class A), Add</i>	64.32	
<i>For Work In Restricted Working Space, Add</i>	41.95	
23 31 13 13-0236 LF 14" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	102.16	55.94
<i>For 3" WG (Class B), Add</i>	13.98	
<i>For 4" Or 6" WG (Class A), Add</i>	29.83	
<i>For 10" WG (Class A), Add</i>	42.88	
<i>For Work In Restricted Working Space, Add</i>	27.97	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0237 LF 14" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	109.46	59.93
For 3" WG (Class B), Add	14.98	
For 4" Or 6" WG (Class A), Add	31.96	
For 10" WG (Class A), Add	45.94	
For Work In Restricted Working Space, Add	29.96	
23 31 13 13-0238 LF 14" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.76	63.92
For 3" WG (Class B), Add	15.98	
For 4" Or 6" WG (Class A), Add	34.09	
For 10" WG (Class A), Add	49.01	
For Work In Restricted Working Space, Add	31.96	
23 31 13 13-0239 LF 14" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	124.06	67.92
For 3" WG (Class B), Add	16.98	
For 4" Or 6" WG (Class A), Add	36.22	
For 10" WG (Class A), Add	52.07	
For Work In Restricted Working Space, Add	33.96	
23 31 13 13-0240 LF 14" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.36	71.91
For 3" WG (Class B), Add	17.98	
For 4" Or 6" WG (Class A), Add	38.36	
For 10" WG (Class A), Add	55.14	
For Work In Restricted Working Space, Add	35.96	
23 31 13 13-0241 LF 14" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.66	75.91
For 3" WG (Class B), Add	18.98	
For 4" Or 6" WG (Class A), Add	40.49	
For 10" WG (Class A), Add	58.20	
For Work In Restricted Working Space, Add	37.96	
23 31 13 13-0242 LF 14" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	145.95	79.91
For 3" WG (Class B), Add	19.98	
For 4" Or 6" WG (Class A), Add	42.61	
For 10" WG (Class A), Add	61.26	
For Work In Restricted Working Space, Add	39.95	
23 31 13 13-0243 LF 14" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.24	83.91
For 3" WG (Class B), Add	20.97	
For 4" Or 6" WG (Class A), Add	44.75	
For 10" WG (Class A), Add	64.32	
For Work In Restricted Working Space, Add	41.95	
23 31 13 13-0244 LF 14" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	160.53	87.89
For 3" WG (Class B), Add	21.97	
For 4" Or 6" WG (Class A), Add	46.87	
For 10" WG (Class A), Add	67.38	
For Work In Restricted Working Space, Add	43.94	
23 31 13 13-0245 LF 16" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.76	63.92
For 3" WG (Class B), Add	15.98	
For 4" Or 6" WG (Class A), Add	34.09	
For 10" WG (Class A), Add	49.01	
For Work In Restricted Working Space, Add	31.96	
23 31 13 13-0246 LF 16" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	124.06	67.92
For 3" WG (Class B), Add	16.98	
For 4" Or 6" WG (Class A), Add	36.22	
For 10" WG (Class A), Add	52.07	
For Work In Restricted Working Space, Add	33.96	
23 31 13 13-0247 LF 16" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.36	71.91
For 3" WG (Class B), Add	17.98	
For 4" Or 6" WG (Class A), Add	38.36	
For 10" WG (Class A), Add	55.14	
For Work In Restricted Working Space, Add	35.96	
23 31 13 13-0248 LF 16" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.66	75.91
For 3" WG (Class B), Add	18.98	
For 4" Or 6" WG (Class A), Add	40.49	
For 10" WG (Class A), Add	58.20	
For Work In Restricted Working Space, Add	37.96	
23 31 13 13-0249 LF 16" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	145.95	79.91
For 3" WG (Class B), Add	19.98	
For 4" Or 6" WG (Class A), Add	42.61	
For 10" WG (Class A), Add	61.26	
For Work In Restricted Working Space, Add	39.95	
23 31 13 13-0250 LF 16" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.24	83.91
For 3" WG (Class B), Add	20.97	
For 4" Or 6" WG (Class A), Add	44.75	
For 10" WG (Class A), Add	64.32	
For Work In Restricted Working Space, Add	41.95	
23 31 13 13-0251 LF 16" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	160.53	87.89
For 3" WG (Class B), Add	21.97	
For 4" Or 6" WG (Class A), Add	46.87	
For 10" WG (Class A), Add	67.38	
For Work In Restricted Working Space, Add	43.94	
23 31 13 13-0252 LF 16" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	167.83	91.89
For 3" WG (Class B), Add	22.97	
For 4" Or 6" WG (Class A), Add	49.00	
For 10" WG (Class A), Add	70.44	
For Work In Restricted Working Space, Add	45.94	
23 31 13 13-0253 LF 18" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.36	71.91
For 3" WG (Class B), Add	17.98	
For 4" Or 6" WG (Class A), Add	38.36	
For 10" WG (Class A), Add	55.14	
For Work In Restricted Working Space, Add	35.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0254 LF 18" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	138.66	75.91
For 3" WG (Class B), Add	18.98	
For 4" Or 6" WG (Class A), Add	40.49	
For 10" WG (Class A), Add	58.20	
For Work In Restricted Working Space, Add	37.96	
23 31 13 13-0255 LF 18" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	145.95	79.91
For 3" WG (Class B), Add	19.98	
For 4" Or 6" WG (Class A), Add	42.61	
For 10" WG (Class A), Add	61.26	
For Work In Restricted Working Space, Add	39.95	
23 31 13 13-0256 LF 18" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	153.24	83.91
For 3" WG (Class B), Add	20.97	
For 4" Or 6" WG (Class A), Add	44.75	
For 10" WG (Class A), Add	64.32	
For Work In Restricted Working Space, Add	41.95	
23 31 13 13-0257 LF 18" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	160.53	87.89
For 3" WG (Class B), Add	21.97	
For 4" Or 6" WG (Class A), Add	46.87	
For 10" WG (Class A), Add	67.38	
For Work In Restricted Working Space, Add	43.94	
23 31 13 13-0258 LF 18" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	167.83	91.89
For 3" WG (Class B), Add	22.97	
For 4" Or 6" WG (Class A), Add	49.00	
For 10" WG (Class A), Add	70.44	
For Work In Restricted Working Space, Add	45.94	
23 31 13 13-0259 LF 18" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	175.14	95.89
For 3" WG (Class B), Add	23.97	
For 4" Or 6" WG (Class A), Add	51.14	
For 10" WG (Class A), Add	73.51	
For Work In Restricted Working Space, Add	47.94	
23 31 13 13-0260 LF 20" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	145.95	79.91
For 3" WG (Class B), Add	19.98	
For 4" Or 6" WG (Class A), Add	42.61	
For 10" WG (Class A), Add	61.26	
For Work In Restricted Working Space, Add	39.95	
23 31 13 13-0261 LF 20" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	153.24	83.91
For 3" WG (Class B), Add	20.97	
For 4" Or 6" WG (Class A), Add	44.75	
For 10" WG (Class A), Add	64.32	
For Work In Restricted Working Space, Add	41.95	
23 31 13 13-0262 LF 20" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	160.53	87.89
For 3" WG (Class B), Add	21.97	
For 4" Or 6" WG (Class A), Add	46.87	
For 10" WG (Class A), Add	67.38	
For Work In Restricted Working Space, Add	43.94	
23 31 13 13-0263 LF 20" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	167.83	91.89
For 3" WG (Class B), Add	22.97	
For 4" Or 6" WG (Class A), Add	49.00	
For 10" WG (Class A), Add	70.44	
For Work In Restricted Working Space, Add	45.94	
23 31 13 13-0264 LF 20" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	175.14	95.89
For 3" WG (Class B), Add	23.97	
For 4" Or 6" WG (Class A), Add	51.14	
For 10" WG (Class A), Add	73.51	
For Work In Restricted Working Space, Add	47.94	
23 31 13 13-0265 LF 20" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	182.44	99.88
For 3" WG (Class B), Add	24.97	
For 4" Or 6" WG (Class A), Add	53.27	
For 10" WG (Class A), Add	76.58	
For Work In Restricted Working Space, Add	49.94	
23 31 13 13-0266 LF 22" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	160.53	87.89
For 3" WG (Class B), Add	21.97	
For 4" Or 6" WG (Class A), Add	46.87	
For 10" WG (Class A), Add	67.38	
For Work In Restricted Working Space, Add	43.94	
23 31 13 13-0267 LF 22" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	167.83	91.89
For 3" WG (Class B), Add	22.97	
For 4" Or 6" WG (Class A), Add	49.00	
For 10" WG (Class A), Add	70.44	
For Work In Restricted Working Space, Add	45.94	
23 31 13 13-0268 LF 22" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	175.14	95.89
For 3" WG (Class B), Add	23.97	
For 4" Or 6" WG (Class A), Add	51.14	
For 10" WG (Class A), Add	73.51	
For Work In Restricted Working Space, Add	47.94	
23 31 13 13-0269 LF 22" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	182.44	99.88
For 3" WG (Class B), Add	24.97	
For 4" Or 6" WG (Class A), Add	53.27	
For 10" WG (Class A), Add	76.58	
For Work In Restricted Working Space, Add	49.94	
23 31 13 13-0270 LF 22" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork	189.73	103.88
For 3" WG (Class B), Add	25.97	
For 4" Or 6" WG (Class A), Add	55.40	
For 10" WG (Class A), Add	79.64	
For Work In Restricted Working Space, Add	51.94	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0271	LF	24" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	175.14	95.89
			<i>For 3" WG (Class B), Add</i>	23.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.14	
			<i>For 10" WG (Class A), Add</i>	73.51	
			<i>For Work In Restricted Working Space, Add</i>	47.94	
23 31 13	13-0272	LF	24" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	182.44	99.88
			<i>For 3" WG (Class B), Add</i>	24.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.27	
			<i>For 10" WG (Class A), Add</i>	76.58	
			<i>For Work In Restricted Working Space, Add</i>	49.94	
23 31 13	13-0273	LF	24" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	189.73	103.88
			<i>For 3" WG (Class B), Add</i>	25.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.40	
			<i>For 10" WG (Class A), Add</i>	79.64	
			<i>For Work In Restricted Working Space, Add</i>	51.94	
23 31 13	13-0274	LF	24" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	197.03	107.88
			<i>For 3" WG (Class B), Add</i>	26.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.53	
			<i>For 10" WG (Class A), Add</i>	82.70	
			<i>For Work In Restricted Working Space, Add</i>	53.93	
23 31 13	13-0275	LF	26" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	189.73	103.88
			<i>For 3" WG (Class B), Add</i>	25.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.40	
			<i>For 10" WG (Class A), Add</i>	79.64	
			<i>For Work In Restricted Working Space, Add</i>	51.94	
23 31 13	13-0276	LF	26" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	197.03	107.88
			<i>For 3" WG (Class B), Add</i>	26.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.53	
			<i>For 10" WG (Class A), Add</i>	82.70	
			<i>For Work In Restricted Working Space, Add</i>	53.93	
23 31 13	13-0277	LF	26" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	204.32	111.86
			<i>For 3" WG (Class B), Add</i>	27.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	59.66	
			<i>For 10" WG (Class A), Add</i>	85.76	
			<i>For Work In Restricted Working Space, Add</i>	55.93	
23 31 13	13-0278	LF	28" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	204.32	111.86
			<i>For 3" WG (Class B), Add</i>	27.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	59.66	
			<i>For 10" WG (Class A), Add</i>	85.76	
			<i>For Work In Restricted Working Space, Add</i>	55.93	
23 31 13	13-0279	LF	28" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	211.61	115.86
			<i>For 3" WG (Class B), Add</i>	28.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	61.79	
			<i>For 10" WG (Class A), Add</i>	88.82	
			<i>For Work In Restricted Working Space, Add</i>	57.93	
23 31 13	13-0280	LF	30" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	218.92	119.86
			<i>For 3" WG (Class B), Add</i>	29.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.92	
			<i>For 10" WG (Class A), Add</i>	91.89	
			<i>For Work In Restricted Working Space, Add</i>	59.93	
23 31 13	13-0281		22 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)		
23 31 13	13-0282	LF	4" x 4", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	29.75	15.98
			<i>For 3" WG (Class B), Add</i>	4.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	8.52	
			<i>For 10" WG (Class A), Add</i>	12.25	
			<i>For Work In Restricted Working Space, Add</i>	7.99	
23 31 13	13-0283	LF	4" x 6", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.18	19.97
			<i>For 3" WG (Class B), Add</i>	5.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	10.66	
			<i>For 10" WG (Class A), Add</i>	15.32	
			<i>For Work In Restricted Working Space, Add</i>	9.99	
23 31 13	13-0284	LF	4" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.61	23.97
			<i>For 3" WG (Class B), Add</i>	5.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	12.78	
			<i>For 10" WG (Class A), Add</i>	18.38	
			<i>For Work In Restricted Working Space, Add</i>	11.99	
23 31 13	13-0285	LF	4" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.05	27.97
			<i>For 3" WG (Class B), Add</i>	6.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.92	
			<i>For 10" WG (Class A), Add</i>	21.44	
			<i>For Work In Restricted Working Space, Add</i>	13.98	
23 31 13	13-0286	LF	4" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.49	31.97
			<i>For 3" WG (Class B), Add</i>	7.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.05	
			<i>For 10" WG (Class A), Add</i>	24.50	
			<i>For Work In Restricted Working Space, Add</i>	15.98	
23 31 13	13-0287	LF	4" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.92	35.96
			<i>For 3" WG (Class B), Add</i>	8.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	19.18	
			<i>For 10" WG (Class A), Add</i>	27.57	
			<i>For Work In Restricted Working Space, Add</i>	17.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0288 LF 4" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.36	39.95
<i>For 3" WG (Class B), Add</i>	9.99	
<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
<i>For 10" WG (Class A), Add</i>	30.63	
<i>For Work In Restricted Working Space, Add</i>	19.98	
23 31 13 13-0289 LF 6" x 6", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.61	23.97
<i>For 3" WG (Class B), Add</i>	5.99	
<i>For 4" Or 6" WG (Class A), Add</i>	12.78	
<i>For 10" WG (Class A), Add</i>	18.38	
<i>For Work In Restricted Working Space, Add</i>	11.99	
23 31 13 13-0290 LF 6" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.05	27.97
<i>For 3" WG (Class B), Add</i>	6.99	
<i>For 4" Or 6" WG (Class A), Add</i>	14.92	
<i>For 10" WG (Class A), Add</i>	21.44	
<i>For Work In Restricted Working Space, Add</i>	13.98	
23 31 13 13-0291 LF 6" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.49	31.97
<i>For 3" WG (Class B), Add</i>	7.99	
<i>For 4" Or 6" WG (Class A), Add</i>	17.05	
<i>For 10" WG (Class A), Add</i>	24.50	
<i>For Work In Restricted Working Space, Add</i>	15.98	
23 31 13 13-0292 LF 6" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.92	35.96
<i>For 3" WG (Class B), Add</i>	8.99	
<i>For 4" Or 6" WG (Class A), Add</i>	19.18	
<i>For 10" WG (Class A), Add</i>	27.57	
<i>For Work In Restricted Working Space, Add</i>	17.98	
23 31 13 13-0293 LF 6" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.36	39.95
<i>For 3" WG (Class B), Add</i>	9.99	
<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
<i>For 10" WG (Class A), Add</i>	30.63	
<i>For Work In Restricted Working Space, Add</i>	19.98	
23 31 13 13-0294 LF 6" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	81.80	43.95
<i>For 3" WG (Class B), Add</i>	10.99	
<i>For 4" Or 6" WG (Class A), Add</i>	23.44	
<i>For 10" WG (Class A), Add</i>	33.70	
<i>For Work In Restricted Working Space, Add</i>	21.98	
23 31 13 13-0295 LF 8" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.49	31.97
<i>For 3" WG (Class B), Add</i>	7.99	
<i>For 4" Or 6" WG (Class A), Add</i>	17.05	
<i>For 10" WG (Class A), Add</i>	24.50	
<i>For Work In Restricted Working Space, Add</i>	15.98	
23 31 13 13-0296 LF 8" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.92	35.96
<i>For 3" WG (Class B), Add</i>	8.99	
<i>For 4" Or 6" WG (Class A), Add</i>	19.18	
<i>For 10" WG (Class A), Add</i>	27.57	
<i>For Work In Restricted Working Space, Add</i>	17.98	
23 31 13 13-0297 LF 8" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.36	39.95
<i>For 3" WG (Class B), Add</i>	9.99	
<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
<i>For 10" WG (Class A), Add</i>	30.63	
<i>For Work In Restricted Working Space, Add</i>	19.98	
23 31 13 13-0298 LF 8" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	81.80	43.95
<i>For 3" WG (Class B), Add</i>	10.99	
<i>For 4" Or 6" WG (Class A), Add</i>	23.44	
<i>For 10" WG (Class A), Add</i>	33.70	
<i>For Work In Restricted Working Space, Add</i>	21.98	
23 31 13 13-0299 LF 8" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.23	47.94
<i>For 3" WG (Class B), Add</i>	11.99	
<i>For 4" Or 6" WG (Class A), Add</i>	25.57	
<i>For 10" WG (Class A), Add</i>	36.76	
<i>For Work In Restricted Working Space, Add</i>	23.97	
23 31 13 13-0300 LF 8" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	96.66	51.94
<i>For 3" WG (Class B), Add</i>	12.98	
<i>For 4" Or 6" WG (Class A), Add</i>	27.70	
<i>For 10" WG (Class A), Add</i>	39.82	
<i>For Work In Restricted Working Space, Add</i>	25.97	
23 31 13 13-0301 LF 8" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.10	55.94
<i>For 3" WG (Class B), Add</i>	13.98	
<i>For 4" Or 6" WG (Class A), Add</i>	29.83	
<i>For 10" WG (Class A), Add</i>	42.88	
<i>For Work In Restricted Working Space, Add</i>	27.97	
23 31 13 13-0302 LF 8" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	111.53	59.93
<i>For 3" WG (Class B), Add</i>	14.98	
<i>For 4" Or 6" WG (Class A), Add</i>	31.96	
<i>For 10" WG (Class A), Add</i>	45.94	
<i>For Work In Restricted Working Space, Add</i>	29.96	
23 31 13 13-0303 LF 8" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	118.97	63.92
<i>For 3" WG (Class B), Add</i>	15.98	
<i>For 4" Or 6" WG (Class A), Add</i>	34.09	
<i>For 10" WG (Class A), Add</i>	49.01	
<i>For Work In Restricted Working Space, Add</i>	31.96	
23 31 13 13-0304 LF 10" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.36	39.95
<i>For 3" WG (Class B), Add</i>	9.99	
<i>For 4" Or 6" WG (Class A), Add</i>	21.31	
<i>For 10" WG (Class A), Add</i>	30.63	
<i>For Work In Restricted Working Space, Add</i>	19.98	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0305	LF	10" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	81.80	43.95
			<i>For 3" WG (Class B), Add</i>	10.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.44	
			<i>For 10" WG (Class A), Add</i>	33.70	
			<i>For Work In Restricted Working Space, Add</i>	21.98	
23 31 13	13-0306	LF	10" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.23	47.94
			<i>For 3" WG (Class B), Add</i>	11.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.57	
			<i>For 10" WG (Class A), Add</i>	36.76	
			<i>For Work In Restricted Working Space, Add</i>	23.97	
23 31 13	13-0307	LF	10" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	96.66	51.94
			<i>For 3" WG (Class B), Add</i>	12.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.70	
			<i>For 10" WG (Class A), Add</i>	39.82	
			<i>For Work In Restricted Working Space, Add</i>	25.97	
23 31 13	13-0308	LF	10" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.10	55.94
			<i>For 3" WG (Class B), Add</i>	13.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.83	
			<i>For 10" WG (Class A), Add</i>	42.88	
			<i>For Work In Restricted Working Space, Add</i>	27.97	
23 31 13	13-0309	LF	10" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	111.53	59.93
			<i>For 3" WG (Class B), Add</i>	14.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	31.96	
			<i>For 10" WG (Class A), Add</i>	45.94	
			<i>For Work In Restricted Working Space, Add</i>	29.96	
23 31 13	13-0310	LF	10" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	118.97	63.92
			<i>For 3" WG (Class B), Add</i>	15.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.09	
			<i>For 10" WG (Class A), Add</i>	49.01	
			<i>For Work In Restricted Working Space, Add</i>	31.96	
23 31 13	13-0311	LF	10" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.41	67.92
			<i>For 3" WG (Class B), Add</i>	16.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	36.22	
			<i>For 10" WG (Class A), Add</i>	52.07	
			<i>For Work In Restricted Working Space, Add</i>	33.96	
23 31 13	13-0312	LF	10" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	133.84	71.91
			<i>For 3" WG (Class B), Add</i>	17.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	38.36	
			<i>For 10" WG (Class A), Add</i>	55.14	
			<i>For Work In Restricted Working Space, Add</i>	35.96	
23 31 13	13-0313	LF	10" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.28	75.91
			<i>For 3" WG (Class B), Add</i>	18.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	40.49	
			<i>For 10" WG (Class A), Add</i>	58.20	
			<i>For Work In Restricted Working Space, Add</i>	37.96	
23 31 13	13-0314	LF	10" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	148.71	79.91
			<i>For 3" WG (Class B), Add</i>	19.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.61	
			<i>For 10" WG (Class A), Add</i>	61.26	
			<i>For Work In Restricted Working Space, Add</i>	39.95	
23 31 13	13-0315	LF	10" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.14	83.91
			<i>For 3" WG (Class B), Add</i>	20.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.75	
			<i>For 10" WG (Class A), Add</i>	64.32	
			<i>For Work In Restricted Working Space, Add</i>	41.95	
23 31 13	13-0316	LF	12" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.23	47.94
			<i>For 3" WG (Class B), Add</i>	11.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.57	
			<i>For 10" WG (Class A), Add</i>	36.76	
			<i>For Work In Restricted Working Space, Add</i>	23.97	
23 31 13	13-0317	LF	12" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	96.66	51.94
			<i>For 3" WG (Class B), Add</i>	12.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.70	
			<i>For 10" WG (Class A), Add</i>	39.82	
			<i>For Work In Restricted Working Space, Add</i>	25.97	
23 31 13	13-0318	LF	12" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.10	55.94
			<i>For 3" WG (Class B), Add</i>	13.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.83	
			<i>For 10" WG (Class A), Add</i>	42.88	
			<i>For Work In Restricted Working Space, Add</i>	27.97	
23 31 13	13-0319	LF	12" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	111.53	59.93
			<i>For 3" WG (Class B), Add</i>	14.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	31.96	
			<i>For 10" WG (Class A), Add</i>	45.94	
			<i>For Work In Restricted Working Space, Add</i>	29.96	
23 31 13	13-0320	LF	12" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	118.97	63.92
			<i>For 3" WG (Class B), Add</i>	15.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.09	
			<i>For 10" WG (Class A), Add</i>	49.01	
			<i>For Work In Restricted Working Space, Add</i>	31.96	
23 31 13	13-0321	LF	12" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.41	67.92
			<i>For 3" WG (Class B), Add</i>	16.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	36.22	
			<i>For 10" WG (Class A), Add</i>	52.07	
			<i>For Work In Restricted Working Space, Add</i>	33.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0322 LF 12" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	133.84	71.91
<i>For 3" WG (Class B), Add</i>	17.98	
<i>For 4" Or 6" WG (Class A), Add</i>	38.36	
<i>For 10" WG (Class A), Add</i>	55.14	
<i>For Work In Restricted Working Space, Add</i>	35.96	
23 31 13 13-0323 LF 12" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	141.28	75.91
<i>For 3" WG (Class B), Add</i>	18.98	
<i>For 4" Or 6" WG (Class A), Add</i>	40.49	
<i>For 10" WG (Class A), Add</i>	58.20	
<i>For Work In Restricted Working Space, Add</i>	37.96	
23 31 13 13-0324 LF 12" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	148.71	79.91
<i>For 3" WG (Class B), Add</i>	19.98	
<i>For 4" Or 6" WG (Class A), Add</i>	42.61	
<i>For 10" WG (Class A), Add</i>	61.26	
<i>For Work In Restricted Working Space, Add</i>	39.95	
23 31 13 13-0325 LF 12" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	156.14	83.91
<i>For 3" WG (Class B), Add</i>	20.97	
<i>For 4" Or 6" WG (Class A), Add</i>	44.75	
<i>For 10" WG (Class A), Add</i>	64.32	
<i>For Work In Restricted Working Space, Add</i>	41.95	
23 31 13 13-0326 LF 12" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	163.57	87.89
<i>For 3" WG (Class B), Add</i>	21.97	
<i>For 4" Or 6" WG (Class A), Add</i>	46.87	
<i>For 10" WG (Class A), Add</i>	67.38	
<i>For Work In Restricted Working Space, Add</i>	43.94	
23 31 13 13-0327 LF 12" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	171.01	91.89
<i>For 3" WG (Class B), Add</i>	22.97	
<i>For 4" Or 6" WG (Class A), Add</i>	49.00	
<i>For 10" WG (Class A), Add</i>	70.44	
<i>For Work In Restricted Working Space, Add</i>	45.94	
23 31 13 13-0328 LF 12" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	178.46	95.89
<i>For 3" WG (Class B), Add</i>	23.97	
<i>For 4" Or 6" WG (Class A), Add</i>	51.14	
<i>For 10" WG (Class A), Add</i>	73.51	
<i>For Work In Restricted Working Space, Add</i>	47.94	
23 31 13 13-0329 LF 14" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	104.10	55.94
<i>For 3" WG (Class B), Add</i>	13.98	
<i>For 4" Or 6" WG (Class A), Add</i>	29.83	
<i>For 10" WG (Class A), Add</i>	42.88	
<i>For Work In Restricted Working Space, Add</i>	27.97	
23 31 13 13-0330 LF 14" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	111.53	59.93
<i>For 3" WG (Class B), Add</i>	14.98	
<i>For 4" Or 6" WG (Class A), Add</i>	31.96	
<i>For 10" WG (Class A), Add</i>	45.94	
<i>For Work In Restricted Working Space, Add</i>	29.96	
23 31 13 13-0331 LF 14" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	118.97	63.92
<i>For 3" WG (Class B), Add</i>	15.98	
<i>For 4" Or 6" WG (Class A), Add</i>	34.09	
<i>For 10" WG (Class A), Add</i>	49.01	
<i>For Work In Restricted Working Space, Add</i>	31.96	
23 31 13 13-0332 LF 14" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	126.41	67.92
<i>For 3" WG (Class B), Add</i>	16.98	
<i>For 4" Or 6" WG (Class A), Add</i>	36.22	
<i>For 10" WG (Class A), Add</i>	52.07	
<i>For Work In Restricted Working Space, Add</i>	33.96	
23 31 13 13-0333 LF 14" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	133.84	71.91
<i>For 3" WG (Class B), Add</i>	17.98	
<i>For 4" Or 6" WG (Class A), Add</i>	38.36	
<i>For 10" WG (Class A), Add</i>	55.14	
<i>For Work In Restricted Working Space, Add</i>	35.96	
23 31 13 13-0334 LF 14" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	141.28	75.91
<i>For 3" WG (Class B), Add</i>	18.98	
<i>For 4" Or 6" WG (Class A), Add</i>	40.49	
<i>For 10" WG (Class A), Add</i>	58.20	
<i>For Work In Restricted Working Space, Add</i>	37.96	
23 31 13 13-0335 LF 14" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	148.71	79.91
<i>For 3" WG (Class B), Add</i>	19.98	
<i>For 4" Or 6" WG (Class A), Add</i>	42.61	
<i>For 10" WG (Class A), Add</i>	61.26	
<i>For Work In Restricted Working Space, Add</i>	39.95	
23 31 13 13-0336 LF 14" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	156.14	83.91
<i>For 3" WG (Class B), Add</i>	20.97	
<i>For 4" Or 6" WG (Class A), Add</i>	44.75	
<i>For 10" WG (Class A), Add</i>	64.32	
<i>For Work In Restricted Working Space, Add</i>	41.95	
23 31 13 13-0337 LF 14" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	163.57	87.89
<i>For 3" WG (Class B), Add</i>	21.97	
<i>For 4" Or 6" WG (Class A), Add</i>	46.87	
<i>For 10" WG (Class A), Add</i>	67.38	
<i>For Work In Restricted Working Space, Add</i>	43.94	
23 31 13 13-0338 LF 14" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	171.01	91.89
<i>For 3" WG (Class B), Add</i>	22.97	
<i>For 4" Or 6" WG (Class A), Add</i>	49.00	
<i>For 10" WG (Class A), Add</i>	70.44	
<i>For Work In Restricted Working Space, Add</i>	45.94	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0339	LF	14" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.46	95.89
			<i>For 3" WG (Class B), Add</i>	23.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.14	
			<i>For 10" WG (Class A), Add</i>	73.51	
			<i>For Work In Restricted Working Space, Add</i>	47.94	
23 31 13	13-0340	LF	16" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	185.89	99.88
			<i>For 3" WG (Class B), Add</i>	24.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.27	
			<i>For 10" WG (Class A), Add</i>	76.58	
			<i>For Work In Restricted Working Space, Add</i>	49.94	
23 31 13	13-0341	LF	16" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	118.97	63.92
			<i>For 3" WG (Class B), Add</i>	15.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.09	
			<i>For 10" WG (Class A), Add</i>	49.01	
			<i>For Work In Restricted Working Space, Add</i>	31.96	
23 31 13	13-0342	LF	16" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.41	67.92
			<i>For 3" WG (Class B), Add</i>	16.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	36.22	
			<i>For 10" WG (Class A), Add</i>	52.07	
			<i>For Work In Restricted Working Space, Add</i>	33.96	
23 31 13	13-0343	LF	16" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	133.84	71.91
			<i>For 3" WG (Class B), Add</i>	17.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	38.36	
			<i>For 10" WG (Class A), Add</i>	55.14	
			<i>For Work In Restricted Working Space, Add</i>	35.96	
23 31 13	13-0344	LF	16" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.28	75.91
			<i>For 3" WG (Class B), Add</i>	18.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	40.49	
			<i>For 10" WG (Class A), Add</i>	58.20	
			<i>For Work In Restricted Working Space, Add</i>	37.96	
23 31 13	13-0345	LF	16" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	148.71	79.91
			<i>For 3" WG (Class B), Add</i>	19.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.61	
			<i>For 10" WG (Class A), Add</i>	61.26	
			<i>For Work In Restricted Working Space, Add</i>	39.95	
23 31 13	13-0346	LF	16" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.14	83.91
			<i>For 3" WG (Class B), Add</i>	20.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.75	
			<i>For 10" WG (Class A), Add</i>	64.32	
			<i>For Work In Restricted Working Space, Add</i>	41.95	
23 31 13	13-0347	LF	16" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	163.57	87.89
			<i>For 3" WG (Class B), Add</i>	21.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.87	
			<i>For 10" WG (Class A), Add</i>	67.38	
			<i>For Work In Restricted Working Space, Add</i>	43.94	
23 31 13	13-0348	LF	16" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	171.01	91.89
			<i>For 3" WG (Class B), Add</i>	22.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.00	
			<i>For 10" WG (Class A), Add</i>	70.44	
			<i>For Work In Restricted Working Space, Add</i>	45.94	
23 31 13	13-0349	LF	16" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.46	95.89
			<i>For 3" WG (Class B), Add</i>	23.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.14	
			<i>For 10" WG (Class A), Add</i>	73.51	
			<i>For Work In Restricted Working Space, Add</i>	47.94	
23 31 13	13-0350	LF	16" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	185.89	99.88
			<i>For 3" WG (Class B), Add</i>	24.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.27	
			<i>For 10" WG (Class A), Add</i>	76.58	
			<i>For Work In Restricted Working Space, Add</i>	49.94	
23 31 13	13-0351	LF	16" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	193.32	103.88
			<i>For 3" WG (Class B), Add</i>	25.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.40	
			<i>For 10" WG (Class A), Add</i>	79.64	
			<i>For Work In Restricted Working Space, Add</i>	51.94	
23 31 13	13-0352	LF	16" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	200.76	107.88
			<i>For 3" WG (Class B), Add</i>	26.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.53	
			<i>For 10" WG (Class A), Add</i>	82.70	
			<i>For Work In Restricted Working Space, Add</i>	53.93	
23 31 13	13-0353	LF	16" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	208.18	111.86
			<i>For 3" WG (Class B), Add</i>	27.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	59.66	
			<i>For 10" WG (Class A), Add</i>	85.76	
			<i>For Work In Restricted Working Space, Add</i>	55.93	
23 31 13	13-0354	LF	16" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	215.62	115.86
			<i>For 3" WG (Class B), Add</i>	28.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	61.79	
			<i>For 10" WG (Class A), Add</i>	88.82	
			<i>For Work In Restricted Working Space, Add</i>	57.93	
23 31 13	13-0355	LF	16" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	223.07	119.86
			<i>For 3" WG (Class B), Add</i>	29.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.92	
			<i>For 10" WG (Class A), Add</i>	91.89	
			<i>For Work In Restricted Working Space, Add</i>	59.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0356 LF 18" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	133.84	71.91
<i>For 3" WG (Class B), Add</i>	17.98	
<i>For 4" Or 6" WG (Class A), Add</i>	38.36	
<i>For 10" WG (Class A), Add</i>	55.14	
<i>For Work In Restricted Working Space, Add</i>	35.96	
23 31 13 13-0357 LF 18" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	141.28	75.91
<i>For 3" WG (Class B), Add</i>	18.98	
<i>For 4" Or 6" WG (Class A), Add</i>	40.49	
<i>For 10" WG (Class A), Add</i>	58.20	
<i>For Work In Restricted Working Space, Add</i>	37.96	
23 31 13 13-0358 LF 18" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	148.71	79.91
<i>For 3" WG (Class B), Add</i>	19.98	
<i>For 4" Or 6" WG (Class A), Add</i>	42.61	
<i>For 10" WG (Class A), Add</i>	61.26	
<i>For Work In Restricted Working Space, Add</i>	39.95	
23 31 13 13-0359 LF 18" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	156.14	83.91
<i>For 3" WG (Class B), Add</i>	20.97	
<i>For 4" Or 6" WG (Class A), Add</i>	44.75	
<i>For 10" WG (Class A), Add</i>	64.32	
<i>For Work In Restricted Working Space, Add</i>	41.95	
23 31 13 13-0360 LF 18" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	163.57	87.89
<i>For 3" WG (Class B), Add</i>	21.97	
<i>For 4" Or 6" WG (Class A), Add</i>	46.87	
<i>For 10" WG (Class A), Add</i>	67.38	
<i>For Work In Restricted Working Space, Add</i>	43.94	
23 31 13 13-0361 LF 18" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	171.01	91.89
<i>For 3" WG (Class B), Add</i>	22.97	
<i>For 4" Or 6" WG (Class A), Add</i>	49.00	
<i>For 10" WG (Class A), Add</i>	70.44	
<i>For Work In Restricted Working Space, Add</i>	45.94	
23 31 13 13-0362 LF 18" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	178.46	95.89
<i>For 3" WG (Class B), Add</i>	23.97	
<i>For 4" Or 6" WG (Class A), Add</i>	51.14	
<i>For 10" WG (Class A), Add</i>	73.51	
<i>For Work In Restricted Working Space, Add</i>	47.94	
23 31 13 13-0363 LF 18" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	185.89	99.88
<i>For 3" WG (Class B), Add</i>	24.97	
<i>For 4" Or 6" WG (Class A), Add</i>	53.27	
<i>For 10" WG (Class A), Add</i>	76.58	
<i>For Work In Restricted Working Space, Add</i>	49.94	
23 31 13 13-0364 LF 18" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	193.32	103.88
<i>For 3" WG (Class B), Add</i>	25.97	
<i>For 4" Or 6" WG (Class A), Add</i>	55.40	
<i>For 10" WG (Class A), Add</i>	79.64	
<i>For Work In Restricted Working Space, Add</i>	51.94	
23 31 13 13-0365 LF 18" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	200.76	107.88
<i>For 3" WG (Class B), Add</i>	26.97	
<i>For 4" Or 6" WG (Class A), Add</i>	57.53	
<i>For 10" WG (Class A), Add</i>	82.70	
<i>For Work In Restricted Working Space, Add</i>	53.93	
23 31 13 13-0366 LF 18" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	208.18	111.86
<i>For 3" WG (Class B), Add</i>	27.96	
<i>For 4" Or 6" WG (Class A), Add</i>	59.66	
<i>For 10" WG (Class A), Add</i>	85.76	
<i>For Work In Restricted Working Space, Add</i>	55.93	
23 31 13 13-0367 LF 18" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	215.62	115.86
<i>For 3" WG (Class B), Add</i>	28.96	
<i>For 4" Or 6" WG (Class A), Add</i>	61.79	
<i>For 10" WG (Class A), Add</i>	88.82	
<i>For Work In Restricted Working Space, Add</i>	57.93	
23 31 13 13-0368 LF 18" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	223.07	119.86
<i>For 3" WG (Class B), Add</i>	29.96	
<i>For 4" Or 6" WG (Class A), Add</i>	63.92	
<i>For 10" WG (Class A), Add</i>	91.89	
<i>For Work In Restricted Working Space, Add</i>	59.93	
23 31 13 13-0369 LF 18" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	230.49	123.85
<i>For 3" WG (Class B), Add</i>	30.96	
<i>For 4" Or 6" WG (Class A), Add</i>	66.05	
<i>For 10" WG (Class A), Add</i>	94.95	
<i>For Work In Restricted Working Space, Add</i>	61.92	
23 31 13 13-0370 LF 18" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	237.93	127.85
<i>For 3" WG (Class B), Add</i>	31.96	
<i>For 4" Or 6" WG (Class A), Add</i>	68.18	
<i>For 10" WG (Class A), Add</i>	98.01	
<i>For Work In Restricted Working Space, Add</i>	63.92	
23 31 13 13-0371 LF 20" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	148.71	79.91
<i>For 3" WG (Class B), Add</i>	19.98	
<i>For 4" Or 6" WG (Class A), Add</i>	42.61	
<i>For 10" WG (Class A), Add</i>	61.26	
<i>For Work In Restricted Working Space, Add</i>	39.95	
23 31 13 13-0372 LF 20" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	156.14	83.91
<i>For 3" WG (Class B), Add</i>	20.97	
<i>For 4" Or 6" WG (Class A), Add</i>	44.75	
<i>For 10" WG (Class A), Add</i>	64.32	
<i>For Work In Restricted Working Space, Add</i>	41.95	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0373	LF	20" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	163.57	87.89
			<i>For 3" WG (Class B), Add</i>	21.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.87	
			<i>For 10" WG (Class A), Add</i>	67.38	
			<i>For Work In Restricted Working Space, Add</i>	43.94	
23 31 13	13-0374	LF	20" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	171.01	91.89
			<i>For 3" WG (Class B), Add</i>	22.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.00	
			<i>For 10" WG (Class A), Add</i>	70.44	
			<i>For Work In Restricted Working Space, Add</i>	45.94	
23 31 13	13-0375	LF	20" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.46	95.89
			<i>For 3" WG (Class B), Add</i>	23.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.14	
			<i>For 10" WG (Class A), Add</i>	73.51	
			<i>For Work In Restricted Working Space, Add</i>	47.94	
23 31 13	13-0376	LF	20" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	185.89	99.88
			<i>For 3" WG (Class B), Add</i>	24.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.27	
			<i>For 10" WG (Class A), Add</i>	76.58	
			<i>For Work In Restricted Working Space, Add</i>	49.94	
23 31 13	13-0377	LF	20" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	193.32	103.88
			<i>For 3" WG (Class B), Add</i>	25.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.40	
			<i>For 10" WG (Class A), Add</i>	79.64	
			<i>For Work In Restricted Working Space, Add</i>	51.94	
23 31 13	13-0378	LF	20" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	200.76	107.88
			<i>For 3" WG (Class B), Add</i>	26.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.53	
			<i>For 10" WG (Class A), Add</i>	82.70	
			<i>For Work In Restricted Working Space, Add</i>	53.93	
23 31 13	13-0379	LF	20" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	208.18	111.86
			<i>For 3" WG (Class B), Add</i>	27.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	59.66	
			<i>For 10" WG (Class A), Add</i>	85.76	
			<i>For Work In Restricted Working Space, Add</i>	55.93	
23 31 13	13-0380	LF	20" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	215.62	115.86
			<i>For 3" WG (Class B), Add</i>	28.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	61.79	
			<i>For 10" WG (Class A), Add</i>	88.82	
			<i>For Work In Restricted Working Space, Add</i>	57.93	
23 31 13	13-0381	LF	20" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	223.07	119.86
			<i>For 3" WG (Class B), Add</i>	29.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.92	
			<i>For 10" WG (Class A), Add</i>	91.89	
			<i>For Work In Restricted Working Space, Add</i>	59.93	
23 31 13	13-0382	LF	20" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	230.49	123.85
			<i>For 3" WG (Class B), Add</i>	30.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.05	
			<i>For 10" WG (Class A), Add</i>	94.95	
			<i>For Work In Restricted Working Space, Add</i>	61.92	
23 31 13	13-0383	LF	20" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	237.93	127.85
			<i>For 3" WG (Class B), Add</i>	31.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.18	
			<i>For 10" WG (Class A), Add</i>	98.01	
			<i>For Work In Restricted Working Space, Add</i>	63.92	
23 31 13	13-0384	LF	20" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.37	131.85
			<i>For 3" WG (Class B), Add</i>	32.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.31	
			<i>For 10" WG (Class A), Add</i>	101.08	
			<i>For Work In Restricted Working Space, Add</i>	65.92	
23 31 13	13-0385	LF	20" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	252.80	135.84
			<i>For 3" WG (Class B), Add</i>	33.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.44	
			<i>For 10" WG (Class A), Add</i>	104.14	
			<i>For Work In Restricted Working Space, Add</i>	67.92	
23 31 13	13-0386	LF	22" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	163.57	87.89
			<i>For 3" WG (Class B), Add</i>	21.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.87	
			<i>For 10" WG (Class A), Add</i>	67.38	
			<i>For Work In Restricted Working Space, Add</i>	43.94	
23 31 13	13-0387	LF	22" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	171.01	91.89
			<i>For 3" WG (Class B), Add</i>	22.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.00	
			<i>For 10" WG (Class A), Add</i>	70.44	
			<i>For Work In Restricted Working Space, Add</i>	45.94	
23 31 13	13-0388	LF	22" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	178.46	95.89
			<i>For 3" WG (Class B), Add</i>	23.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.14	
			<i>For 10" WG (Class A), Add</i>	73.51	
			<i>For Work In Restricted Working Space, Add</i>	47.94	
23 31 13	13-0389	LF	22" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	185.89	99.88
			<i>For 3" WG (Class B), Add</i>	24.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	53.27	
			<i>For 10" WG (Class A), Add</i>	76.58	
			<i>For Work In Restricted Working Space, Add</i>	49.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0390 LF 22" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	193.32	103.88
<i>For 3" WG (Class B), Add</i>	25.97	
<i>For 4" Or 6" WG (Class A), Add</i>	55.40	
<i>For 10" WG (Class A), Add</i>	79.64	
<i>For Work In Restricted Working Space, Add</i>	51.94	
23 31 13 13-0391 LF 22" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	200.76	107.88
<i>For 3" WG (Class B), Add</i>	26.97	
<i>For 4" Or 6" WG (Class A), Add</i>	57.53	
<i>For 10" WG (Class A), Add</i>	82.70	
<i>For Work In Restricted Working Space, Add</i>	53.93	
23 31 13 13-0392 LF 22" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	208.18	111.86
<i>For 3" WG (Class B), Add</i>	27.96	
<i>For 4" Or 6" WG (Class A), Add</i>	59.66	
<i>For 10" WG (Class A), Add</i>	85.76	
<i>For Work In Restricted Working Space, Add</i>	55.93	
23 31 13 13-0393 LF 22" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	215.62	115.86
<i>For 3" WG (Class B), Add</i>	28.96	
<i>For 4" Or 6" WG (Class A), Add</i>	61.79	
<i>For 10" WG (Class A), Add</i>	88.82	
<i>For Work In Restricted Working Space, Add</i>	57.93	
23 31 13 13-0394 LF 22" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	223.07	119.86
<i>For 3" WG (Class B), Add</i>	29.96	
<i>For 4" Or 6" WG (Class A), Add</i>	63.92	
<i>For 10" WG (Class A), Add</i>	91.89	
<i>For Work In Restricted Working Space, Add</i>	59.93	
23 31 13 13-0395 LF 22" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	230.49	123.85
<i>For 3" WG (Class B), Add</i>	30.96	
<i>For 4" Or 6" WG (Class A), Add</i>	66.05	
<i>For 10" WG (Class A), Add</i>	94.95	
<i>For Work In Restricted Working Space, Add</i>	61.92	
23 31 13 13-0396 LF 22" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	237.93	127.85
<i>For 3" WG (Class B), Add</i>	31.96	
<i>For 4" Or 6" WG (Class A), Add</i>	68.18	
<i>For 10" WG (Class A), Add</i>	98.01	
<i>For Work In Restricted Working Space, Add</i>	63.92	
23 31 13 13-0397 LF 22" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	245.37	131.85
<i>For 3" WG (Class B), Add</i>	32.96	
<i>For 4" Or 6" WG (Class A), Add</i>	70.31	
<i>For 10" WG (Class A), Add</i>	101.08	
<i>For Work In Restricted Working Space, Add</i>	65.92	
23 31 13 13-0398 LF 22" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	252.80	135.84
<i>For 3" WG (Class B), Add</i>	33.96	
<i>For 4" Or 6" WG (Class A), Add</i>	72.44	
<i>For 10" WG (Class A), Add</i>	104.14	
<i>For Work In Restricted Working Space, Add</i>	67.92	
23 31 13 13-0399 LF 22" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	260.23	139.83
<i>For 3" WG (Class B), Add</i>	34.96	
<i>For 4" Or 6" WG (Class A), Add</i>	74.57	
<i>For 10" WG (Class A), Add</i>	107.20	
<i>For Work In Restricted Working Space, Add</i>	69.91	
23 31 13 13-0400 LF 24" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	178.46	95.89
<i>For 3" WG (Class B), Add</i>	23.97	
<i>For 4" Or 6" WG (Class A), Add</i>	51.14	
<i>For 10" WG (Class A), Add</i>	73.51	
<i>For Work In Restricted Working Space, Add</i>	47.94	
23 31 13 13-0401 LF 24" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	185.89	99.88
<i>For 3" WG (Class B), Add</i>	24.97	
<i>For 4" Or 6" WG (Class A), Add</i>	53.27	
<i>For 10" WG (Class A), Add</i>	76.58	
<i>For Work In Restricted Working Space, Add</i>	49.94	
23 31 13 13-0402 LF 24" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	193.32	103.88
<i>For 3" WG (Class B), Add</i>	25.97	
<i>For 4" Or 6" WG (Class A), Add</i>	55.40	
<i>For 10" WG (Class A), Add</i>	79.64	
<i>For Work In Restricted Working Space, Add</i>	51.94	
23 31 13 13-0403 LF 24" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	200.76	107.88
<i>For 3" WG (Class B), Add</i>	26.97	
<i>For 4" Or 6" WG (Class A), Add</i>	57.53	
<i>For 10" WG (Class A), Add</i>	82.70	
<i>For Work In Restricted Working Space, Add</i>	53.93	
23 31 13 13-0404 LF 24" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	208.18	111.86
<i>For 3" WG (Class B), Add</i>	27.96	
<i>For 4" Or 6" WG (Class A), Add</i>	59.66	
<i>For 10" WG (Class A), Add</i>	85.76	
<i>For Work In Restricted Working Space, Add</i>	55.93	
23 31 13 13-0405 LF 24" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	215.62	115.86
<i>For 3" WG (Class B), Add</i>	28.96	
<i>For 4" Or 6" WG (Class A), Add</i>	61.79	
<i>For 10" WG (Class A), Add</i>	88.82	
<i>For Work In Restricted Working Space, Add</i>	57.93	
23 31 13 13-0406 LF 24" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	223.07	119.86
<i>For 3" WG (Class B), Add</i>	29.96	
<i>For 4" Or 6" WG (Class A), Add</i>	63.92	
<i>For 10" WG (Class A), Add</i>	91.89	
<i>For Work In Restricted Working Space, Add</i>	59.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0407	LF	24" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	230.49	123.85
			<i>For 3" WG (Class B), Add</i>	30.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.05	
			<i>For 10" WG (Class A), Add</i>	94.95	
			<i>For Work In Restricted Working Space, Add</i>	61.92	
23 31 13	13-0408	LF	24" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	237.93	127.85
			<i>For 3" WG (Class B), Add</i>	31.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.18	
			<i>For 10" WG (Class A), Add</i>	98.01	
			<i>For Work In Restricted Working Space, Add</i>	63.92	
23 31 13	13-0409	LF	24" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.37	131.85
			<i>For 3" WG (Class B), Add</i>	32.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.31	
			<i>For 10" WG (Class A), Add</i>	101.08	
			<i>For Work In Restricted Working Space, Add</i>	65.92	
23 31 13	13-0410	LF	24" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	252.80	135.84
			<i>For 3" WG (Class B), Add</i>	33.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.44	
			<i>For 10" WG (Class A), Add</i>	104.14	
			<i>For Work In Restricted Working Space, Add</i>	67.92	
23 31 13	13-0411	LF	24" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	260.23	139.83
			<i>For 3" WG (Class B), Add</i>	34.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	74.57	
			<i>For 10" WG (Class A), Add</i>	107.20	
			<i>For Work In Restricted Working Space, Add</i>	69.91	
23 31 13	13-0412	LF	24" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.67	143.83
			<i>For 3" WG (Class B), Add</i>	35.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.70	
			<i>For 10" WG (Class A), Add</i>	110.26	
			<i>For Work In Restricted Working Space, Add</i>	71.91	
23 31 13	13-0413	LF	26" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	193.32	103.88
			<i>For 3" WG (Class B), Add</i>	25.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.40	
			<i>For 10" WG (Class A), Add</i>	79.64	
			<i>For Work In Restricted Working Space, Add</i>	51.94	
23 31 13	13-0414	LF	26" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	200.76	107.88
			<i>For 3" WG (Class B), Add</i>	26.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.53	
			<i>For 10" WG (Class A), Add</i>	82.70	
			<i>For Work In Restricted Working Space, Add</i>	53.93	
23 31 13	13-0415	LF	26" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	208.18	111.86
			<i>For 3" WG (Class B), Add</i>	27.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	59.66	
			<i>For 10" WG (Class A), Add</i>	85.76	
			<i>For Work In Restricted Working Space, Add</i>	55.93	
23 31 13	13-0416	LF	26" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	215.62	115.86
			<i>For 3" WG (Class B), Add</i>	28.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	61.79	
			<i>For 10" WG (Class A), Add</i>	88.82	
			<i>For Work In Restricted Working Space, Add</i>	57.93	
23 31 13	13-0417	LF	26" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	223.07	119.86
			<i>For 3" WG (Class B), Add</i>	29.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.92	
			<i>For 10" WG (Class A), Add</i>	91.89	
			<i>For Work In Restricted Working Space, Add</i>	59.93	
23 31 13	13-0418	LF	26" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	230.49	123.85
			<i>For 3" WG (Class B), Add</i>	30.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	66.05	
			<i>For 10" WG (Class A), Add</i>	94.95	
			<i>For Work In Restricted Working Space, Add</i>	61.92	
23 31 13	13-0419	LF	26" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	237.93	127.85
			<i>For 3" WG (Class B), Add</i>	31.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.18	
			<i>For 10" WG (Class A), Add</i>	98.01	
			<i>For Work In Restricted Working Space, Add</i>	63.92	
23 31 13	13-0420	LF	26" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.37	131.85
			<i>For 3" WG (Class B), Add</i>	32.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.31	
			<i>For 10" WG (Class A), Add</i>	101.08	
			<i>For Work In Restricted Working Space, Add</i>	65.92	
23 31 13	13-0421	LF	26" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	252.80	135.84
			<i>For 3" WG (Class B), Add</i>	33.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.44	
			<i>For 10" WG (Class A), Add</i>	104.14	
			<i>For Work In Restricted Working Space, Add</i>	67.92	
23 31 13	13-0422	LF	26" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	260.23	139.83
			<i>For 3" WG (Class B), Add</i>	34.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	74.57	
			<i>For 10" WG (Class A), Add</i>	107.20	
			<i>For Work In Restricted Working Space, Add</i>	69.91	
23 31 13	13-0423	LF	26" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.67	143.83
			<i>For 3" WG (Class B), Add</i>	35.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.70	
			<i>For 10" WG (Class A), Add</i>	110.26	
			<i>For Work In Restricted Working Space, Add</i>	71.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0424 LF 26" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	275.11	147.83
For 3" WG (Class B), Add	36.96	
For 4" Or 6" WG (Class A), Add	78.84	
For 10" WG (Class A), Add	113.33	
For Work In Restricted Working Space, Add	73.91	
23 31 13 13-0425 LF 28" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	208.18	111.86
For 3" WG (Class B), Add	27.96	
For 4" Or 6" WG (Class A), Add	59.66	
For 10" WG (Class A), Add	85.76	
For Work In Restricted Working Space, Add	55.93	
23 31 13 13-0426 LF 28" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	215.62	115.86
For 3" WG (Class B), Add	28.96	
For 4" Or 6" WG (Class A), Add	61.79	
For 10" WG (Class A), Add	88.82	
For Work In Restricted Working Space, Add	57.93	
23 31 13 13-0427 LF 28" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	223.07	119.86
For 3" WG (Class B), Add	29.96	
For 4" Or 6" WG (Class A), Add	63.92	
For 10" WG (Class A), Add	91.89	
For Work In Restricted Working Space, Add	59.93	
23 31 13 13-0428 LF 28" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	230.49	123.85
For 3" WG (Class B), Add	30.96	
For 4" Or 6" WG (Class A), Add	66.05	
For 10" WG (Class A), Add	94.95	
For Work In Restricted Working Space, Add	61.92	
23 31 13 13-0429 LF 28" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	237.93	127.85
For 3" WG (Class B), Add	31.96	
For 4" Or 6" WG (Class A), Add	68.18	
For 10" WG (Class A), Add	98.01	
For Work In Restricted Working Space, Add	63.92	
23 31 13 13-0430 LF 28" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	245.37	131.85
For 3" WG (Class B), Add	32.96	
For 4" Or 6" WG (Class A), Add	70.31	
For 10" WG (Class A), Add	101.08	
For Work In Restricted Working Space, Add	65.92	
23 31 13 13-0431 LF 28" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	252.80	135.84
For 3" WG (Class B), Add	33.96	
For 4" Or 6" WG (Class A), Add	72.44	
For 10" WG (Class A), Add	104.14	
For Work In Restricted Working Space, Add	67.92	
23 31 13 13-0432 LF 28" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	260.23	139.83
For 3" WG (Class B), Add	34.96	
For 4" Or 6" WG (Class A), Add	74.57	
For 10" WG (Class A), Add	107.20	
For Work In Restricted Working Space, Add	69.91	
23 31 13 13-0433 LF 28" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	267.67	143.83
For 3" WG (Class B), Add	35.96	
For 4" Or 6" WG (Class A), Add	76.70	
For 10" WG (Class A), Add	110.26	
For Work In Restricted Working Space, Add	71.91	
23 31 13 13-0434 LF 28" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	275.11	147.83
For 3" WG (Class B), Add	36.96	
For 4" Or 6" WG (Class A), Add	78.84	
For 10" WG (Class A), Add	113.33	
For Work In Restricted Working Space, Add	73.91	
23 31 13 13-0435 LF 28" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	282.55	151.81
For 3" WG (Class B), Add	37.95	
For 4" Or 6" WG (Class A), Add	80.97	
For 10" WG (Class A), Add	116.39	
For Work In Restricted Working Space, Add	75.91	
23 31 13 13-0436 LF 30" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	223.07	119.86
For 3" WG (Class B), Add	29.96	
For 4" Or 6" WG (Class A), Add	63.92	
For 10" WG (Class A), Add	91.89	
For Work In Restricted Working Space, Add	59.93	
23 31 13 13-0437 LF 30" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	230.49	123.85
For 3" WG (Class B), Add	30.96	
For 4" Or 6" WG (Class A), Add	66.05	
For 10" WG (Class A), Add	94.95	
For Work In Restricted Working Space, Add	61.92	
23 31 13 13-0438 LF 30" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	237.93	127.85
For 3" WG (Class B), Add	31.96	
For 4" Or 6" WG (Class A), Add	68.18	
For 10" WG (Class A), Add	98.01	
For Work In Restricted Working Space, Add	63.92	
23 31 13 13-0439 LF 30" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	245.37	131.85
For 3" WG (Class B), Add	32.96	
For 4" Or 6" WG (Class A), Add	70.31	
For 10" WG (Class A), Add	101.08	
For Work In Restricted Working Space, Add	65.92	
23 31 13 13-0440 LF 30" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	252.80	135.84
For 3" WG (Class B), Add	33.96	
For 4" Or 6" WG (Class A), Add	72.44	
For 10" WG (Class A), Add	104.14	
For Work In Restricted Working Space, Add	67.92	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0441	LF	30" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	260.23	139.83
			<i>For 3" WG (Class B), Add</i>	34.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	74.57	
			<i>For 10" WG (Class A), Add</i>	107.20	
			<i>For Work In Restricted Working Space, Add</i>	69.91	
23 31 13	13-0442	LF	30" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.67	143.83
			<i>For 3" WG (Class B), Add</i>	35.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.70	
			<i>For 10" WG (Class A), Add</i>	110.26	
			<i>For Work In Restricted Working Space, Add</i>	71.91	
23 31 13	13-0443	LF	30" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	275.11	147.83
			<i>For 3" WG (Class B), Add</i>	36.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.84	
			<i>For 10" WG (Class A), Add</i>	113.33	
			<i>For Work In Restricted Working Space, Add</i>	73.91	
23 31 13	13-0444	LF	30" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.55	151.81
			<i>For 3" WG (Class B), Add</i>	37.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	80.97	
			<i>For 10" WG (Class A), Add</i>	116.39	
			<i>For Work In Restricted Working Space, Add</i>	75.91	
23 31 13	13-0445	LF	30" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.98	155.82
			<i>For 3" WG (Class B), Add</i>	38.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	83.10	
			<i>For 10" WG (Class A), Add</i>	119.45	
			<i>For Work In Restricted Working Space, Add</i>	77.90	
23 31 13	13-0446	LF	32" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	237.93	127.85
			<i>For 3" WG (Class B), Add</i>	31.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.18	
			<i>For 10" WG (Class A), Add</i>	98.01	
			<i>For Work In Restricted Working Space, Add</i>	63.92	
23 31 13	13-0447	LF	32" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.37	131.85
			<i>For 3" WG (Class B), Add</i>	32.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.31	
			<i>For 10" WG (Class A), Add</i>	101.08	
			<i>For Work In Restricted Working Space, Add</i>	65.92	
23 31 13	13-0448	LF	32" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	252.80	135.84
			<i>For 3" WG (Class B), Add</i>	33.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.44	
			<i>For 10" WG (Class A), Add</i>	104.14	
			<i>For Work In Restricted Working Space, Add</i>	67.92	
23 31 13	13-0449	LF	32" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	260.23	139.83
			<i>For 3" WG (Class B), Add</i>	34.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	74.57	
			<i>For 10" WG (Class A), Add</i>	107.20	
			<i>For Work In Restricted Working Space, Add</i>	69.91	
23 31 13	13-0450	LF	32" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.67	143.83
			<i>For 3" WG (Class B), Add</i>	35.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.70	
			<i>For 10" WG (Class A), Add</i>	110.26	
			<i>For Work In Restricted Working Space, Add</i>	71.91	
23 31 13	13-0451	LF	32" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	275.11	147.83
			<i>For 3" WG (Class B), Add</i>	36.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.84	
			<i>For 10" WG (Class A), Add</i>	113.33	
			<i>For Work In Restricted Working Space, Add</i>	73.91	
23 31 13	13-0452	LF	32" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	282.55	151.81
			<i>For 3" WG (Class B), Add</i>	37.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	80.97	
			<i>For 10" WG (Class A), Add</i>	116.39	
			<i>For Work In Restricted Working Space, Add</i>	75.91	
23 31 13	13-0453	LF	32" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.98	155.82
			<i>For 3" WG (Class B), Add</i>	38.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	83.10	
			<i>For 10" WG (Class A), Add</i>	119.45	
			<i>For Work In Restricted Working Space, Add</i>	77.90	
23 31 13	13-0454	LF	32" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	297.42	159.81
			<i>For 3" WG (Class B), Add</i>	39.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	85.23	
			<i>For 10" WG (Class A), Add</i>	122.52	
			<i>For Work In Restricted Working Space, Add</i>	79.90	
23 31 13	13-0455	LF	34" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	252.80	135.84
			<i>For 3" WG (Class B), Add</i>	33.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.44	
			<i>For 10" WG (Class A), Add</i>	104.14	
			<i>For Work In Restricted Working Space, Add</i>	67.92	
23 31 13	13-0456	LF	34" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	260.23	139.83
			<i>For 3" WG (Class B), Add</i>	34.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	74.57	
			<i>For 10" WG (Class A), Add</i>	107.20	
			<i>For Work In Restricted Working Space, Add</i>	69.91	
23 31 13	13-0457	LF	34" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	267.67	143.83
			<i>For 3" WG (Class B), Add</i>	35.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	76.70	
			<i>For 10" WG (Class A), Add</i>	110.26	
			<i>For Work In Restricted Working Space, Add</i>	71.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0458 LF 34" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	275.11	147.83
<i>For 3" WG (Class B), Add</i>	36.96	
<i>For 4" Or 6" WG (Class A), Add</i>	78.84	
<i>For 10" WG (Class A), Add</i>	113.33	
<i>For Work In Restricted Working Space, Add</i>	73.91	
23 31 13 13-0459 LF 34" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	282.55	151.81
<i>For 3" WG (Class B), Add</i>	37.95	
<i>For 4" Or 6" WG (Class A), Add</i>	80.97	
<i>For 10" WG (Class A), Add</i>	116.39	
<i>For Work In Restricted Working Space, Add</i>	75.91	
23 31 13 13-0460 LF 34" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	289.98	155.82
<i>For 3" WG (Class B), Add</i>	38.95	
<i>For 4" Or 6" WG (Class A), Add</i>	83.10	
<i>For 10" WG (Class A), Add</i>	119.45	
<i>For Work In Restricted Working Space, Add</i>	77.90	
23 31 13 13-0461 LF 34" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	297.42	159.81
<i>For 3" WG (Class B), Add</i>	39.95	
<i>For 4" Or 6" WG (Class A), Add</i>	85.23	
<i>For 10" WG (Class A), Add</i>	122.52	
<i>For Work In Restricted Working Space, Add</i>	79.90	
23 31 13 13-0462 LF 34" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	304.85	163.79
<i>For 3" WG (Class B), Add</i>	40.95	
<i>For 4" Or 6" WG (Class A), Add</i>	87.36	
<i>For 10" WG (Class A), Add</i>	125.58	
<i>For Work In Restricted Working Space, Add</i>	81.90	
23 31 13 13-0463 LF 36" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	267.67	143.83
<i>For 3" WG (Class B), Add</i>	35.96	
<i>For 4" Or 6" WG (Class A), Add</i>	76.70	
<i>For 10" WG (Class A), Add</i>	110.26	
<i>For Work In Restricted Working Space, Add</i>	71.91	
23 31 13 13-0464 LF 36" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	275.11	147.83
<i>For 3" WG (Class B), Add</i>	36.96	
<i>For 4" Or 6" WG (Class A), Add</i>	78.84	
<i>For 10" WG (Class A), Add</i>	113.33	
<i>For Work In Restricted Working Space, Add</i>	73.91	
23 31 13 13-0465 LF 36" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	282.55	151.81
<i>For 3" WG (Class B), Add</i>	37.95	
<i>For 4" Or 6" WG (Class A), Add</i>	80.97	
<i>For 10" WG (Class A), Add</i>	116.39	
<i>For Work In Restricted Working Space, Add</i>	75.91	
23 31 13 13-0466 LF 36" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	289.98	155.82
<i>For 3" WG (Class B), Add</i>	38.95	
<i>For 4" Or 6" WG (Class A), Add</i>	83.10	
<i>For 10" WG (Class A), Add</i>	119.45	
<i>For Work In Restricted Working Space, Add</i>	77.90	
23 31 13 13-0467 LF 36" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	297.42	159.81
<i>For 3" WG (Class B), Add</i>	39.95	
<i>For 4" Or 6" WG (Class A), Add</i>	85.23	
<i>For 10" WG (Class A), Add</i>	122.52	
<i>For Work In Restricted Working Space, Add</i>	79.90	
23 31 13 13-0468 LF 36" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	304.85	163.79
<i>For 3" WG (Class B), Add</i>	40.95	
<i>For 4" Or 6" WG (Class A), Add</i>	87.36	
<i>For 10" WG (Class A), Add</i>	125.58	
<i>For Work In Restricted Working Space, Add</i>	81.90	
23 31 13 13-0469 LF 36" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	312.28	167.79
<i>For 3" WG (Class B), Add</i>	41.95	
<i>For 4" Or 6" WG (Class A), Add</i>	89.49	
<i>For 10" WG (Class A), Add</i>	128.64	
<i>For Work In Restricted Working Space, Add</i>	83.90	
23 31 13 13-0470 LF 38" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	282.55	151.81
<i>For 3" WG (Class B), Add</i>	37.95	
<i>For 4" Or 6" WG (Class A), Add</i>	80.97	
<i>For 10" WG (Class A), Add</i>	116.39	
<i>For Work In Restricted Working Space, Add</i>	75.91	
23 31 13 13-0471 LF 38" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	289.98	155.82
<i>For 3" WG (Class B), Add</i>	38.95	
<i>For 4" Or 6" WG (Class A), Add</i>	83.10	
<i>For 10" WG (Class A), Add</i>	119.45	
<i>For Work In Restricted Working Space, Add</i>	77.90	
23 31 13 13-0472 LF 38" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	297.42	159.81
<i>For 3" WG (Class B), Add</i>	39.95	
<i>For 4" Or 6" WG (Class A), Add</i>	85.23	
<i>For 10" WG (Class A), Add</i>	122.52	
<i>For Work In Restricted Working Space, Add</i>	79.90	
23 31 13 13-0473 LF 38" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	304.85	163.79
<i>For 3" WG (Class B), Add</i>	40.95	
<i>For 4" Or 6" WG (Class A), Add</i>	87.36	
<i>For 10" WG (Class A), Add</i>	125.58	
<i>For Work In Restricted Working Space, Add</i>	81.90	
23 31 13 13-0474 LF 38" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	312.28	167.79
<i>For 3" WG (Class B), Add</i>	41.95	
<i>For 4" Or 6" WG (Class A), Add</i>	89.49	
<i>For 10" WG (Class A), Add</i>	128.64	
<i>For Work In Restricted Working Space, Add</i>	83.90	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0475	LF	38" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.73	171.80
			<i>For 3" WG (Class B), Add</i>	42.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	91.62	
			<i>For 10" WG (Class A), Add</i>	131.71	
			<i>For Work In Restricted Working Space, Add</i>	85.90	
23 31 13	13-0476	LF	38" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	327.16	175.78
			<i>For 3" WG (Class B), Add</i>	43.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	93.75	
			<i>For 10" WG (Class A), Add</i>	134.77	
			<i>For Work In Restricted Working Space, Add</i>	87.89	
23 31 13	13-0477	LF	40" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	297.42	159.81
			<i>For 3" WG (Class B), Add</i>	39.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	85.23	
			<i>For 10" WG (Class A), Add</i>	122.52	
			<i>For Work In Restricted Working Space, Add</i>	79.90	
23 31 13	13-0478	LF	40" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	304.85	163.79
			<i>For 3" WG (Class B), Add</i>	40.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	87.36	
			<i>For 10" WG (Class A), Add</i>	125.58	
			<i>For Work In Restricted Working Space, Add</i>	81.90	
23 31 13	13-0479	LF	40" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	312.28	167.79
			<i>For 3" WG (Class B), Add</i>	41.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	89.49	
			<i>For 10" WG (Class A), Add</i>	128.64	
			<i>For Work In Restricted Working Space, Add</i>	83.90	
23 31 13	13-0480	LF	40" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.73	171.80
			<i>For 3" WG (Class B), Add</i>	42.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	91.62	
			<i>For 10" WG (Class A), Add</i>	131.71	
			<i>For Work In Restricted Working Space, Add</i>	85.90	
23 31 13	13-0481	LF	40" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	327.16	175.78
			<i>For 3" WG (Class B), Add</i>	43.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	93.75	
			<i>For 10" WG (Class A), Add</i>	134.77	
			<i>For Work In Restricted Working Space, Add</i>	87.89	
23 31 13	13-0482	LF	40" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	334.60	179.78
			<i>For 3" WG (Class B), Add</i>	44.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	95.88	
			<i>For 10" WG (Class A), Add</i>	137.83	
			<i>For Work In Restricted Working Space, Add</i>	89.89	
23 31 13	13-0483	LF	40" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	342.03	183.77
			<i>For 3" WG (Class B), Add</i>	45.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	98.01	
			<i>For 10" WG (Class A), Add</i>	140.89	
			<i>For Work In Restricted Working Space, Add</i>	91.89	
23 31 13	13-0484	LF	40" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	349.46	187.76
			<i>For 3" WG (Class B), Add</i>	46.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	100.14	
			<i>For 10" WG (Class A), Add</i>	143.96	
			<i>For Work In Restricted Working Space, Add</i>	93.89	
23 31 13	13-0485	LF	42" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	312.28	167.79
			<i>For 3" WG (Class B), Add</i>	41.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	89.49	
			<i>For 10" WG (Class A), Add</i>	128.64	
			<i>For Work In Restricted Working Space, Add</i>	83.90	
23 31 13	13-0486	LF	42" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.73	171.80
			<i>For 3" WG (Class B), Add</i>	42.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	91.62	
			<i>For 10" WG (Class A), Add</i>	131.71	
			<i>For Work In Restricted Working Space, Add</i>	85.90	
23 31 13	13-0487	LF	42" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	327.16	175.78
			<i>For 3" WG (Class B), Add</i>	43.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	93.75	
			<i>For 10" WG (Class A), Add</i>	134.77	
			<i>For Work In Restricted Working Space, Add</i>	87.89	
23 31 13	13-0488	LF	42" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	334.60	179.78
			<i>For 3" WG (Class B), Add</i>	44.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	95.88	
			<i>For 10" WG (Class A), Add</i>	137.83	
			<i>For Work In Restricted Working Space, Add</i>	89.89	
23 31 13	13-0489	LF	42" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	342.03	183.77
			<i>For 3" WG (Class B), Add</i>	45.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	98.01	
			<i>For 10" WG (Class A), Add</i>	140.89	
			<i>For Work In Restricted Working Space, Add</i>	91.89	
23 31 13	13-0490	LF	42" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	349.46	187.76
			<i>For 3" WG (Class B), Add</i>	46.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	100.14	
			<i>For 10" WG (Class A), Add</i>	143.96	
			<i>For Work In Restricted Working Space, Add</i>	93.89	
23 31 13	13-0491	LF	42" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	356.90	191.76
			<i>For 3" WG (Class B), Add</i>	47.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	102.28	
			<i>For 10" WG (Class A), Add</i>	147.02	
			<i>For Work In Restricted Working Space, Add</i>	95.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0492 LF 44" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	327.16	175.78
<i>For 3" WG (Class B), Add</i>	43.95	
<i>For 4" Or 6" WG (Class A), Add</i>	93.75	
<i>For 10" WG (Class A), Add</i>	134.77	
<i>For Work In Restricted Working Space, Add</i>	87.89	
23 31 13 13-0493 LF 44" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	334.60	179.78
<i>For 3" WG (Class B), Add</i>	44.95	
<i>For 4" Or 6" WG (Class A), Add</i>	95.88	
<i>For 10" WG (Class A), Add</i>	137.83	
<i>For Work In Restricted Working Space, Add</i>	89.89	
23 31 13 13-0494 LF 44" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	342.03	183.77
<i>For 3" WG (Class B), Add</i>	45.94	
<i>For 4" Or 6" WG (Class A), Add</i>	98.01	
<i>For 10" WG (Class A), Add</i>	140.89	
<i>For Work In Restricted Working Space, Add</i>	91.89	
23 31 13 13-0495 LF 44" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	349.46	187.76
<i>For 3" WG (Class B), Add</i>	46.94	
<i>For 4" Or 6" WG (Class A), Add</i>	100.14	
<i>For 10" WG (Class A), Add</i>	143.96	
<i>For Work In Restricted Working Space, Add</i>	93.89	
23 31 13 13-0496 LF 44" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	356.90	191.76
<i>For 3" WG (Class B), Add</i>	47.94	
<i>For 4" Or 6" WG (Class A), Add</i>	102.28	
<i>For 10" WG (Class A), Add</i>	147.02	
<i>For Work In Restricted Working Space, Add</i>	95.88	
23 31 13 13-0497 LF 44" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	364.33	195.76
<i>For 3" WG (Class B), Add</i>	48.94	
<i>For 4" Or 6" WG (Class A), Add</i>	104.40	
<i>For 10" WG (Class A), Add</i>	150.08	
<i>For Work In Restricted Working Space, Add</i>	97.88	
23 31 13 13-0498 LF 46" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	342.03	183.77
<i>For 3" WG (Class B), Add</i>	45.94	
<i>For 4" Or 6" WG (Class A), Add</i>	98.01	
<i>For 10" WG (Class A), Add</i>	140.89	
<i>For Work In Restricted Working Space, Add</i>	91.89	
23 31 13 13-0499 LF 46" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	349.46	187.76
<i>For 3" WG (Class B), Add</i>	46.94	
<i>For 4" Or 6" WG (Class A), Add</i>	100.14	
<i>For 10" WG (Class A), Add</i>	143.96	
<i>For Work In Restricted Working Space, Add</i>	93.89	
23 31 13 13-0500 LF 46" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	356.90	191.76
<i>For 3" WG (Class B), Add</i>	47.94	
<i>For 4" Or 6" WG (Class A), Add</i>	102.28	
<i>For 10" WG (Class A), Add</i>	147.02	
<i>For Work In Restricted Working Space, Add</i>	95.88	
23 31 13 13-0501 LF 46" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	364.33	195.76
<i>For 3" WG (Class B), Add</i>	48.94	
<i>For 4" Or 6" WG (Class A), Add</i>	104.40	
<i>For 10" WG (Class A), Add</i>	150.08	
<i>For Work In Restricted Working Space, Add</i>	97.88	
23 31 13 13-0502 LF 46" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	371.77	199.76
<i>For 3" WG (Class B), Add</i>	49.94	
<i>For 4" Or 6" WG (Class A), Add</i>	106.54	
<i>For 10" WG (Class A), Add</i>	153.15	
<i>For Work In Restricted Working Space, Add</i>	99.88	
23 31 13 13-0503 LF 48" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	356.90	191.76
<i>For 3" WG (Class B), Add</i>	47.94	
<i>For 4" Or 6" WG (Class A), Add</i>	102.28	
<i>For 10" WG (Class A), Add</i>	147.02	
<i>For Work In Restricted Working Space, Add</i>	95.88	
23 31 13 13-0504 LF 48" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	364.33	195.76
<i>For 3" WG (Class B), Add</i>	48.94	
<i>For 4" Or 6" WG (Class A), Add</i>	104.40	
<i>For 10" WG (Class A), Add</i>	150.08	
<i>For Work In Restricted Working Space, Add</i>	97.88	
23 31 13 13-0505 LF 48" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	371.77	199.76
<i>For 3" WG (Class B), Add</i>	49.94	
<i>For 4" Or 6" WG (Class A), Add</i>	106.54	
<i>For 10" WG (Class A), Add</i>	153.15	
<i>For Work In Restricted Working Space, Add</i>	99.88	
23 31 13 13-0506 LF 48" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	379.21	203.75
<i>For 3" WG (Class B), Add</i>	50.94	
<i>For 4" Or 6" WG (Class A), Add</i>	108.67	
<i>For 10" WG (Class A), Add</i>	156.21	
<i>For Work In Restricted Working Space, Add</i>	101.88	
23 31 13 13-0507 LF 50" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	371.77	199.76
<i>For 3" WG (Class B), Add</i>	49.94	
<i>For 4" Or 6" WG (Class A), Add</i>	106.54	
<i>For 10" WG (Class A), Add</i>	153.15	
<i>For Work In Restricted Working Space, Add</i>	99.88	
23 31 13 13-0508 LF 50" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork	379.21	203.75
<i>For 3" WG (Class B), Add</i>	50.94	
<i>For 4" Or 6" WG (Class A), Add</i>	108.67	
<i>For 10" WG (Class A), Add</i>	156.21	
<i>For Work In Restricted Working Space, Add</i>	101.88	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0509	LF	50" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	386.65	207.74
			<i>For 3" WG (Class B), Add</i>	51.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	110.80	
			<i>For 10" WG (Class A), Add</i>	159.28	
			<i>For Work In Restricted Working Space, Add</i>	103.88	
23 31 13	13-0510	LF	52" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	386.65	207.74
			<i>For 3" WG (Class B), Add</i>	51.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	110.80	
			<i>For 10" WG (Class A), Add</i>	159.28	
			<i>For Work In Restricted Working Space, Add</i>	103.88	
23 31 13	13-0511	LF	54" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	394.08	211.74
			<i>For 3" WG (Class B), Add</i>	52.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	112.93	
			<i>For 10" WG (Class A), Add</i>	162.33	
			<i>For Work In Restricted Working Space, Add</i>	105.87	
23 31 13	13-0512	LF	54" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	401.51	215.73
			<i>For 3" WG (Class B), Add</i>	53.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	115.06	
			<i>For 10" WG (Class A), Add</i>	165.40	
			<i>For Work In Restricted Working Space, Add</i>	107.87	
23 31 13 13-0513 20 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>					
23 31 13	13-0514	LF	4" x 4", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.02	18.82
			<i>For 3" WG (Class B), Add</i>	4.71	
			<i>For 4" Or 6" WG (Class A), Add</i>	10.04	
			<i>For 10" WG (Class A), Add</i>	14.43	
			<i>For Work In Restricted Working Space, Add</i>	9.41	
23 31 13	13-0515	LF	4" x 6", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.79	23.53
			<i>For 3" WG (Class B), Add</i>	5.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	12.55	
			<i>For 10" WG (Class A), Add</i>	18.04	
			<i>For Work In Restricted Working Space, Add</i>	11.77	
23 31 13	13-0516	LF	4" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.55	28.23
			<i>For 3" WG (Class B), Add</i>	7.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.06	
			<i>For 10" WG (Class A), Add</i>	21.64	
			<i>For Work In Restricted Working Space, Add</i>	14.12	
23 31 13	13-0517	LF	4" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.30	32.93
			<i>For 3" WG (Class B), Add</i>	8.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.57	
			<i>For 10" WG (Class A), Add</i>	25.25	
			<i>For Work In Restricted Working Space, Add</i>	16.47	
23 31 13	13-0518	LF	4" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.06	37.65
			<i>For 3" WG (Class B), Add</i>	9.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	20.08	
			<i>For 10" WG (Class A), Add</i>	28.86	
			<i>For Work In Restricted Working Space, Add</i>	18.82	
23 31 13	13-0519	LF	4" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.82	42.34
			<i>For 3" WG (Class B), Add</i>	10.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	22.59	
			<i>For 10" WG (Class A), Add</i>	32.47	
			<i>For Work In Restricted Working Space, Add</i>	21.17	
23 31 13	13-0520	LF	4" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	87.58	47.05
			<i>For 3" WG (Class B), Add</i>	11.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.10	
			<i>For 10" WG (Class A), Add</i>	36.08	
			<i>For Work In Restricted Working Space, Add</i>	23.53	
23 31 13	13-0521	LF	6" x 6", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.55	28.23
			<i>For 3" WG (Class B), Add</i>	7.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.06	
			<i>For 10" WG (Class A), Add</i>	21.64	
			<i>For Work In Restricted Working Space, Add</i>	14.12	
23 31 13	13-0522	LF	6" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	61.30	32.93
			<i>For 3" WG (Class B), Add</i>	8.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.57	
			<i>For 10" WG (Class A), Add</i>	25.25	
			<i>For Work In Restricted Working Space, Add</i>	16.47	
23 31 13	13-0523	LF	6" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.06	37.65
			<i>For 3" WG (Class B), Add</i>	9.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	20.08	
			<i>For 10" WG (Class A), Add</i>	28.86	
			<i>For Work In Restricted Working Space, Add</i>	18.82	
23 31 13	13-0524	LF	6" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.82	42.34
			<i>For 3" WG (Class B), Add</i>	10.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	22.59	
			<i>For 10" WG (Class A), Add</i>	32.47	
			<i>For Work In Restricted Working Space, Add</i>	21.17	
23 31 13	13-0525	LF	6" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	87.58	47.05
			<i>For 3" WG (Class B), Add</i>	11.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.10	
			<i>For 10" WG (Class A), Add</i>	36.08	
			<i>For Work In Restricted Working Space, Add</i>	23.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0526 LF 6" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	96.34	51.76
<i>For 3" WG (Class B), Add</i>	12.94	
<i>For 4" Or 6" WG (Class A), Add</i>	27.61	
<i>For 10" WG (Class A), Add</i>	39.68	
<i>For Work In Restricted Working Space, Add</i>	25.88	
23 31 13 13-0527 LF 8" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.06	37.65
<i>For 3" WG (Class B), Add</i>	9.41	
<i>For 4" Or 6" WG (Class A), Add</i>	20.08	
<i>For 10" WG (Class A), Add</i>	28.86	
<i>For Work In Restricted Working Space, Add</i>	18.82	
23 31 13 13-0528 LF 8" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.82	42.34
<i>For 3" WG (Class B), Add</i>	10.59	
<i>For 4" Or 6" WG (Class A), Add</i>	22.59	
<i>For 10" WG (Class A), Add</i>	32.47	
<i>For Work In Restricted Working Space, Add</i>	21.17	
23 31 13 13-0529 LF 8" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	87.58	47.05
<i>For 3" WG (Class B), Add</i>	11.76	
<i>For 4" Or 6" WG (Class A), Add</i>	25.10	
<i>For 10" WG (Class A), Add</i>	36.08	
<i>For Work In Restricted Working Space, Add</i>	23.53	
23 31 13 13-0530 LF 8" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	96.34	51.76
<i>For 3" WG (Class B), Add</i>	12.94	
<i>For 4" Or 6" WG (Class A), Add</i>	27.61	
<i>For 10" WG (Class A), Add</i>	39.68	
<i>For Work In Restricted Working Space, Add</i>	25.88	
23 31 13 13-0531 LF 8" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	105.08	56.47
<i>For 3" WG (Class B), Add</i>	14.12	
<i>For 4" Or 6" WG (Class A), Add</i>	30.12	
<i>For 10" WG (Class A), Add</i>	43.29	
<i>For Work In Restricted Working Space, Add</i>	28.23	
23 31 13 13-0532 LF 8" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	113.84	61.16
<i>For 3" WG (Class B), Add</i>	15.29	
<i>For 4" Or 6" WG (Class A), Add</i>	32.62	
<i>For 10" WG (Class A), Add</i>	46.90	
<i>For Work In Restricted Working Space, Add</i>	30.59	
23 31 13 13-0533 LF 8" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.61	65.88
<i>For 3" WG (Class B), Add</i>	16.47	
<i>For 4" Or 6" WG (Class A), Add</i>	35.13	
<i>For 10" WG (Class A), Add</i>	50.50	
<i>For Work In Restricted Working Space, Add</i>	32.94	
23 31 13 13-0534 LF 8" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.35	70.58
<i>For 3" WG (Class B), Add</i>	17.64	
<i>For 4" Or 6" WG (Class A), Add</i>	37.64	
<i>For 10" WG (Class A), Add</i>	54.11	
<i>For Work In Restricted Working Space, Add</i>	35.29	
23 31 13 13-0535 LF 8" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	140.11	75.29
<i>For 3" WG (Class B), Add</i>	18.82	
<i>For 4" Or 6" WG (Class A), Add</i>	40.15	
<i>For 10" WG (Class A), Add</i>	57.72	
<i>For Work In Restricted Working Space, Add</i>	37.64	
23 31 13 13-0536 LF 10" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	87.58	47.05
<i>For 3" WG (Class B), Add</i>	11.76	
<i>For 4" Or 6" WG (Class A), Add</i>	25.10	
<i>For 10" WG (Class A), Add</i>	36.08	
<i>For Work In Restricted Working Space, Add</i>	23.53	
23 31 13 13-0537 LF 10" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	96.34	51.76
<i>For 3" WG (Class B), Add</i>	12.94	
<i>For 4" Or 6" WG (Class A), Add</i>	27.61	
<i>For 10" WG (Class A), Add</i>	39.68	
<i>For Work In Restricted Working Space, Add</i>	25.88	
23 31 13 13-0538 LF 10" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	105.08	56.47
<i>For 3" WG (Class B), Add</i>	14.12	
<i>For 4" Or 6" WG (Class A), Add</i>	30.12	
<i>For 10" WG (Class A), Add</i>	43.29	
<i>For Work In Restricted Working Space, Add</i>	28.23	
23 31 13 13-0539 LF 10" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	113.84	61.16
<i>For 3" WG (Class B), Add</i>	15.29	
<i>For 4" Or 6" WG (Class A), Add</i>	32.62	
<i>For 10" WG (Class A), Add</i>	46.90	
<i>For Work In Restricted Working Space, Add</i>	30.59	
23 31 13 13-0540 LF 10" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.61	65.88
<i>For 3" WG (Class B), Add</i>	16.47	
<i>For 4" Or 6" WG (Class A), Add</i>	35.13	
<i>For 10" WG (Class A), Add</i>	50.50	
<i>For Work In Restricted Working Space, Add</i>	32.94	
23 31 13 13-0541 LF 10" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.35	70.58
<i>For 3" WG (Class B), Add</i>	17.64	
<i>For 4" Or 6" WG (Class A), Add</i>	37.64	
<i>For 10" WG (Class A), Add</i>	54.11	
<i>For Work In Restricted Working Space, Add</i>	35.29	
23 31 13 13-0542 LF 10" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	140.11	75.29
<i>For 3" WG (Class B), Add</i>	18.82	
<i>For 4" Or 6" WG (Class A), Add</i>	40.15	
<i>For 10" WG (Class A), Add</i>	57.72	
<i>For Work In Restricted Working Space, Add</i>	37.64	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0543	LF	10" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	148.89	79.99
			<i>For 3" WG (Class B), Add</i>	20.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.67	
			<i>For 10" WG (Class A), Add</i>	61.33	
			<i>For Work In Restricted Working Space, Add</i>	40.00	
23 31 13	13-0544	LF	10" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	157.64	84.70
			<i>For 3" WG (Class B), Add</i>	21.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	45.17	
			<i>For 10" WG (Class A), Add</i>	64.94	
			<i>For Work In Restricted Working Space, Add</i>	42.35	
23 31 13	13-0545	LF	10" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.40	89.40
			<i>For 3" WG (Class B), Add</i>	22.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.68	
			<i>For 10" WG (Class A), Add</i>	68.54	
			<i>For Work In Restricted Working Space, Add</i>	44.70	
23 31 13	13-0546	LF	10" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	175.14	94.11
			<i>For 3" WG (Class B), Add</i>	23.53	
			<i>For 4" Or 6" WG (Class A), Add</i>	50.19	
			<i>For 10" WG (Class A), Add</i>	72.15	
			<i>For Work In Restricted Working Space, Add</i>	47.06	
23 31 13	13-0547	LF	10" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	183.91	98.81
			<i>For 3" WG (Class B), Add</i>	24.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.70	
			<i>For 10" WG (Class A), Add</i>	75.76	
			<i>For Work In Restricted Working Space, Add</i>	49.41	
23 31 13	13-0548	LF	12" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	105.08	56.47
			<i>For 3" WG (Class B), Add</i>	14.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	30.12	
			<i>For 10" WG (Class A), Add</i>	43.29	
			<i>For Work In Restricted Working Space, Add</i>	28.23	
23 31 13	13-0549	LF	12" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	113.84	61.16
			<i>For 3" WG (Class B), Add</i>	15.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	32.62	
			<i>For 10" WG (Class A), Add</i>	46.90	
			<i>For Work In Restricted Working Space, Add</i>	30.59	
23 31 13	13-0550	LF	12" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.61	65.88
			<i>For 3" WG (Class B), Add</i>	16.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	35.13	
			<i>For 10" WG (Class A), Add</i>	50.50	
			<i>For Work In Restricted Working Space, Add</i>	32.94	
23 31 13	13-0551	LF	12" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.35	70.58
			<i>For 3" WG (Class B), Add</i>	17.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	37.64	
			<i>For 10" WG (Class A), Add</i>	54.11	
			<i>For Work In Restricted Working Space, Add</i>	35.29	
23 31 13	13-0552	LF	12" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	140.11	75.29
			<i>For 3" WG (Class B), Add</i>	18.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	40.15	
			<i>For 10" WG (Class A), Add</i>	57.72	
			<i>For Work In Restricted Working Space, Add</i>	37.64	
23 31 13	13-0553	LF	12" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	148.89	79.99
			<i>For 3" WG (Class B), Add</i>	20.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.67	
			<i>For 10" WG (Class A), Add</i>	61.33	
			<i>For Work In Restricted Working Space, Add</i>	40.00	
23 31 13	13-0554	LF	12" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	157.64	84.70
			<i>For 3" WG (Class B), Add</i>	21.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	45.17	
			<i>For 10" WG (Class A), Add</i>	64.94	
			<i>For Work In Restricted Working Space, Add</i>	42.35	
23 31 13	13-0555	LF	12" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.40	89.40
			<i>For 3" WG (Class B), Add</i>	22.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.68	
			<i>For 10" WG (Class A), Add</i>	68.54	
			<i>For Work In Restricted Working Space, Add</i>	44.70	
23 31 13	13-0556	LF	12" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	175.14	94.11
			<i>For 3" WG (Class B), Add</i>	23.53	
			<i>For 4" Or 6" WG (Class A), Add</i>	50.19	
			<i>For 10" WG (Class A), Add</i>	72.15	
			<i>For Work In Restricted Working Space, Add</i>	47.06	
23 31 13	13-0557	LF	12" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	183.91	98.81
			<i>For 3" WG (Class B), Add</i>	24.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.70	
			<i>For 10" WG (Class A), Add</i>	75.76	
			<i>For Work In Restricted Working Space, Add</i>	49.41	
23 31 13	13-0558	LF	12" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	192.67	103.52
			<i>For 3" WG (Class B), Add</i>	25.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.21	
			<i>For 10" WG (Class A), Add</i>	79.36	
			<i>For Work In Restricted Working Space, Add</i>	51.76	
23 31 13	13-0559	LF	12" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	201.41	108.23
			<i>For 3" WG (Class B), Add</i>	27.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.72	
			<i>For 10" WG (Class A), Add</i>	82.97	
			<i>For Work In Restricted Working Space, Add</i>	54.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0560 LF 12" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	210.19	112.93
<i>For 3" WG (Class B), Add</i>	28.23	
<i>For 4" Or 6" WG (Class A), Add</i>	60.23	
<i>For 10" WG (Class A), Add</i>	86.59	
<i>For Work In Restricted Working Space, Add</i>	56.47	
23 31 13 13-0561 LF 14" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	122.61	65.88
<i>For 3" WG (Class B), Add</i>	16.47	
<i>For 4" Or 6" WG (Class A), Add</i>	35.13	
<i>For 10" WG (Class A), Add</i>	50.50	
<i>For Work In Restricted Working Space, Add</i>	32.94	
23 31 13 13-0562 LF 14" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	131.35	70.58
<i>For 3" WG (Class B), Add</i>	17.64	
<i>For 4" Or 6" WG (Class A), Add</i>	37.64	
<i>For 10" WG (Class A), Add</i>	54.11	
<i>For Work In Restricted Working Space, Add</i>	35.29	
23 31 13 13-0563 LF 14" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	140.11	75.29
<i>For 3" WG (Class B), Add</i>	18.82	
<i>For 4" Or 6" WG (Class A), Add</i>	40.15	
<i>For 10" WG (Class A), Add</i>	57.72	
<i>For Work In Restricted Working Space, Add</i>	37.64	
23 31 13 13-0564 LF 14" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	148.89	79.99
<i>For 3" WG (Class B), Add</i>	20.00	
<i>For 4" Or 6" WG (Class A), Add</i>	42.67	
<i>For 10" WG (Class A), Add</i>	61.33	
<i>For Work In Restricted Working Space, Add</i>	40.00	
23 31 13 13-0565 LF 14" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	157.64	84.70
<i>For 3" WG (Class B), Add</i>	21.18	
<i>For 4" Or 6" WG (Class A), Add</i>	45.17	
<i>For 10" WG (Class A), Add</i>	64.94	
<i>For Work In Restricted Working Space, Add</i>	42.35	
23 31 13 13-0566 LF 14" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	166.40	89.40
<i>For 3" WG (Class B), Add</i>	22.35	
<i>For 4" Or 6" WG (Class A), Add</i>	47.68	
<i>For 10" WG (Class A), Add</i>	68.54	
<i>For Work In Restricted Working Space, Add</i>	44.70	
23 31 13 13-0567 LF 14" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	175.14	94.11
<i>For 3" WG (Class B), Add</i>	23.53	
<i>For 4" Or 6" WG (Class A), Add</i>	50.19	
<i>For 10" WG (Class A), Add</i>	72.15	
<i>For Work In Restricted Working Space, Add</i>	47.06	
23 31 13 13-0568 LF 14" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	183.91	98.81
<i>For 3" WG (Class B), Add</i>	24.70	
<i>For 4" Or 6" WG (Class A), Add</i>	52.70	
<i>For 10" WG (Class A), Add</i>	75.76	
<i>For Work In Restricted Working Space, Add</i>	49.41	
23 31 13 13-0569 LF 14" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	192.67	103.52
<i>For 3" WG (Class B), Add</i>	25.88	
<i>For 4" Or 6" WG (Class A), Add</i>	55.21	
<i>For 10" WG (Class A), Add</i>	79.36	
<i>For Work In Restricted Working Space, Add</i>	51.76	
23 31 13 13-0570 LF 14" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	201.41	108.23
<i>For 3" WG (Class B), Add</i>	27.06	
<i>For 4" Or 6" WG (Class A), Add</i>	57.72	
<i>For 10" WG (Class A), Add</i>	82.97	
<i>For Work In Restricted Working Space, Add</i>	54.11	
23 31 13 13-0571 LF 14" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	210.19	112.93
<i>For 3" WG (Class B), Add</i>	28.23	
<i>For 4" Or 6" WG (Class A), Add</i>	60.23	
<i>For 10" WG (Class A), Add</i>	86.59	
<i>For Work In Restricted Working Space, Add</i>	56.47	
23 31 13 13-0572 LF 14" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	218.93	117.63
<i>For 3" WG (Class B), Add</i>	29.41	
<i>For 4" Or 6" WG (Class A), Add</i>	62.74	
<i>For 10" WG (Class A), Add</i>	90.19	
<i>For Work In Restricted Working Space, Add</i>	58.82	
23 31 13 13-0573 LF 16" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	140.11	75.29
<i>For 3" WG (Class B), Add</i>	18.82	
<i>For 4" Or 6" WG (Class A), Add</i>	40.15	
<i>For 10" WG (Class A), Add</i>	57.72	
<i>For Work In Restricted Working Space, Add</i>	37.64	
23 31 13 13-0574 LF 16" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	148.89	79.99
<i>For 3" WG (Class B), Add</i>	20.00	
<i>For 4" Or 6" WG (Class A), Add</i>	42.67	
<i>For 10" WG (Class A), Add</i>	61.33	
<i>For Work In Restricted Working Space, Add</i>	40.00	
23 31 13 13-0575 LF 16" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	157.64	84.70
<i>For 3" WG (Class B), Add</i>	21.18	
<i>For 4" Or 6" WG (Class A), Add</i>	45.17	
<i>For 10" WG (Class A), Add</i>	64.94	
<i>For Work In Restricted Working Space, Add</i>	42.35	
23 31 13 13-0576 LF 16" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	166.40	89.40
<i>For 3" WG (Class B), Add</i>	22.35	
<i>For 4" Or 6" WG (Class A), Add</i>	47.68	
<i>For 10" WG (Class A), Add</i>	68.54	
<i>For Work In Restricted Working Space, Add</i>	44.70	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0577	LF	16" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	175.14	94.11
			<i>For 3" WG (Class B), Add</i>	23.53	
			<i>For 4" Or 6" WG (Class A), Add</i>	50.19	
			<i>For 10" WG (Class A), Add</i>	72.15	
			<i>For Work In Restricted Working Space, Add</i>	47.06	
23 31 13	13-0578	LF	16" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	183.91	98.81
			<i>For 3" WG (Class B), Add</i>	24.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.70	
			<i>For 10" WG (Class A), Add</i>	75.76	
			<i>For Work In Restricted Working Space, Add</i>	49.41	
23 31 13	13-0579	LF	16" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	192.67	103.52
			<i>For 3" WG (Class B), Add</i>	25.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.21	
			<i>For 10" WG (Class A), Add</i>	79.36	
			<i>For Work In Restricted Working Space, Add</i>	51.76	
23 31 13	13-0580	LF	16" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	201.41	108.23
			<i>For 3" WG (Class B), Add</i>	27.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.72	
			<i>For 10" WG (Class A), Add</i>	82.97	
			<i>For Work In Restricted Working Space, Add</i>	54.11	
23 31 13	13-0581	LF	16" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	210.19	112.93
			<i>For 3" WG (Class B), Add</i>	28.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.23	
			<i>For 10" WG (Class A), Add</i>	86.59	
			<i>For Work In Restricted Working Space, Add</i>	56.47	
23 31 13	13-0582	LF	16" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	218.93	117.63
			<i>For 3" WG (Class B), Add</i>	29.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	62.74	
			<i>For 10" WG (Class A), Add</i>	90.19	
			<i>For Work In Restricted Working Space, Add</i>	58.82	
23 31 13	13-0583	LF	16" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	227.70	122.35
			<i>For 3" WG (Class B), Add</i>	30.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	65.25	
			<i>For 10" WG (Class A), Add</i>	93.80	
			<i>For Work In Restricted Working Space, Add</i>	61.17	
23 31 13	13-0584	LF	16" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	236.45	127.04
			<i>For 3" WG (Class B), Add</i>	31.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	67.76	
			<i>For 10" WG (Class A), Add</i>	97.40	
			<i>For Work In Restricted Working Space, Add</i>	63.52	
23 31 13	13-0585	LF	16" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.21	131.75
			<i>For 3" WG (Class B), Add</i>	32.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
			<i>For 10" WG (Class A), Add</i>	101.01	
			<i>For Work In Restricted Working Space, Add</i>	65.88	
23 31 13	13-0586	LF	16" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.96	136.46
			<i>For 3" WG (Class B), Add</i>	34.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.77	
			<i>For 10" WG (Class A), Add</i>	104.61	
			<i>For Work In Restricted Working Space, Add</i>	68.23	
23 31 13	13-0587	LF	16" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	262.74	141.17
			<i>For 3" WG (Class B), Add</i>	35.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	75.29	
			<i>For 10" WG (Class A), Add</i>	108.23	
			<i>For Work In Restricted Working Space, Add</i>	70.58	
23 31 13	13-0588	LF	18" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	157.64	84.70
			<i>For 3" WG (Class B), Add</i>	21.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	45.17	
			<i>For 10" WG (Class A), Add</i>	64.94	
			<i>For Work In Restricted Working Space, Add</i>	42.35	
23 31 13	13-0589	LF	18" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	166.40	89.40
			<i>For 3" WG (Class B), Add</i>	22.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	47.68	
			<i>For 10" WG (Class A), Add</i>	68.54	
			<i>For Work In Restricted Working Space, Add</i>	44.70	
23 31 13	13-0590	LF	18" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	175.14	94.11
			<i>For 3" WG (Class B), Add</i>	23.53	
			<i>For 4" Or 6" WG (Class A), Add</i>	50.19	
			<i>For 10" WG (Class A), Add</i>	72.15	
			<i>For Work In Restricted Working Space, Add</i>	47.06	
23 31 13	13-0591	LF	18" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	183.91	98.81
			<i>For 3" WG (Class B), Add</i>	24.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.70	
			<i>For 10" WG (Class A), Add</i>	75.76	
			<i>For Work In Restricted Working Space, Add</i>	49.41	
23 31 13	13-0592	LF	18" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	192.67	103.52
			<i>For 3" WG (Class B), Add</i>	25.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.21	
			<i>For 10" WG (Class A), Add</i>	79.36	
			<i>For Work In Restricted Working Space, Add</i>	51.76	
23 31 13	13-0593	LF	18" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	201.41	108.23
			<i>For 3" WG (Class B), Add</i>	27.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.72	
			<i>For 10" WG (Class A), Add</i>	82.97	
			<i>For Work In Restricted Working Space, Add</i>	54.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0594 LF 18" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	210.19	112.93
<i>For 3" WG (Class B), Add</i>	28.23	
<i>For 4" Or 6" WG (Class A), Add</i>	60.23	
<i>For 10" WG (Class A), Add</i>	86.59	
<i>For Work In Restricted Working Space, Add</i>	56.47	
23 31 13 13-0595 LF 18" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	218.93	117.63
<i>For 3" WG (Class B), Add</i>	29.41	
<i>For 4" Or 6" WG (Class A), Add</i>	62.74	
<i>For 10" WG (Class A), Add</i>	90.19	
<i>For Work In Restricted Working Space, Add</i>	58.82	
23 31 13 13-0596 LF 18" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	227.70	122.35
<i>For 3" WG (Class B), Add</i>	30.59	
<i>For 4" Or 6" WG (Class A), Add</i>	65.25	
<i>For 10" WG (Class A), Add</i>	93.80	
<i>For Work In Restricted Working Space, Add</i>	61.17	
23 31 13 13-0597 LF 18" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	236.45	127.04
<i>For 3" WG (Class B), Add</i>	31.76	
<i>For 4" Or 6" WG (Class A), Add</i>	67.76	
<i>For 10" WG (Class A), Add</i>	97.40	
<i>For Work In Restricted Working Space, Add</i>	63.52	
23 31 13 13-0598 LF 18" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	245.21	131.75
<i>For 3" WG (Class B), Add</i>	32.94	
<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
<i>For 10" WG (Class A), Add</i>	101.01	
<i>For Work In Restricted Working Space, Add</i>	65.88	
23 31 13 13-0599 LF 18" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	253.96	136.46
<i>For 3" WG (Class B), Add</i>	34.11	
<i>For 4" Or 6" WG (Class A), Add</i>	72.77	
<i>For 10" WG (Class A), Add</i>	104.61	
<i>For Work In Restricted Working Space, Add</i>	68.23	
23 31 13 13-0600 LF 18" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	262.74	141.17
<i>For 3" WG (Class B), Add</i>	35.29	
<i>For 4" Or 6" WG (Class A), Add</i>	75.29	
<i>For 10" WG (Class A), Add</i>	108.23	
<i>For Work In Restricted Working Space, Add</i>	70.58	
23 31 13 13-0601 LF 18" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	271.48	145.86
<i>For 3" WG (Class B), Add</i>	36.47	
<i>For 4" Or 6" WG (Class A), Add</i>	77.80	
<i>For 10" WG (Class A), Add</i>	111.84	
<i>For Work In Restricted Working Space, Add</i>	72.94	
23 31 13 13-0602 LF 18" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	280.24	150.58
<i>For 3" WG (Class B), Add</i>	37.64	
<i>For 4" Or 6" WG (Class A), Add</i>	80.31	
<i>For 10" WG (Class A), Add</i>	115.44	
<i>For Work In Restricted Working Space, Add</i>	75.29	
23 31 13 13-0603 LF 20" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	175.14	94.11
<i>For 3" WG (Class B), Add</i>	23.53	
<i>For 4" Or 6" WG (Class A), Add</i>	50.19	
<i>For 10" WG (Class A), Add</i>	72.15	
<i>For Work In Restricted Working Space, Add</i>	47.06	
23 31 13 13-0604 LF 20" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	183.91	98.81
<i>For 3" WG (Class B), Add</i>	24.70	
<i>For 4" Or 6" WG (Class A), Add</i>	52.70	
<i>For 10" WG (Class A), Add</i>	75.76	
<i>For Work In Restricted Working Space, Add</i>	49.41	
23 31 13 13-0605 LF 20" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	192.67	103.52
<i>For 3" WG (Class B), Add</i>	25.88	
<i>For 4" Or 6" WG (Class A), Add</i>	55.21	
<i>For 10" WG (Class A), Add</i>	79.36	
<i>For Work In Restricted Working Space, Add</i>	51.76	
23 31 13 13-0606 LF 20" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	201.41	108.23
<i>For 3" WG (Class B), Add</i>	27.06	
<i>For 4" Or 6" WG (Class A), Add</i>	57.72	
<i>For 10" WG (Class A), Add</i>	82.97	
<i>For Work In Restricted Working Space, Add</i>	54.11	
23 31 13 13-0607 LF 20" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	210.19	112.93
<i>For 3" WG (Class B), Add</i>	28.23	
<i>For 4" Or 6" WG (Class A), Add</i>	60.23	
<i>For 10" WG (Class A), Add</i>	86.59	
<i>For Work In Restricted Working Space, Add</i>	56.47	
23 31 13 13-0608 LF 20" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	218.93	117.63
<i>For 3" WG (Class B), Add</i>	29.41	
<i>For 4" Or 6" WG (Class A), Add</i>	62.74	
<i>For 10" WG (Class A), Add</i>	90.19	
<i>For Work In Restricted Working Space, Add</i>	58.82	
23 31 13 13-0609 LF 20" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	227.70	122.35
<i>For 3" WG (Class B), Add</i>	30.59	
<i>For 4" Or 6" WG (Class A), Add</i>	65.25	
<i>For 10" WG (Class A), Add</i>	93.80	
<i>For Work In Restricted Working Space, Add</i>	61.17	
23 31 13 13-0610 LF 20" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	236.45	127.04
<i>For 3" WG (Class B), Add</i>	31.76	
<i>For 4" Or 6" WG (Class A), Add</i>	67.76	
<i>For 10" WG (Class A), Add</i>	97.40	
<i>For Work In Restricted Working Space, Add</i>	63.52	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0611	LF	20" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.21	131.75
			<i>For 3" WG (Class B), Add</i>	32.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
			<i>For 10" WG (Class A), Add</i>	101.01	
			<i>For Work In Restricted Working Space, Add</i>	65.88	
23 31 13	13-0612	LF	20" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.96	136.46
			<i>For 3" WG (Class B), Add</i>	34.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.77	
			<i>For 10" WG (Class A), Add</i>	104.61	
			<i>For Work In Restricted Working Space, Add</i>	68.23	
23 31 13	13-0613	LF	20" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	262.74	141.17
			<i>For 3" WG (Class B), Add</i>	35.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	75.29	
			<i>For 10" WG (Class A), Add</i>	108.23	
			<i>For Work In Restricted Working Space, Add</i>	70.58	
23 31 13	13-0614	LF	20" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	271.48	145.86
			<i>For 3" WG (Class B), Add</i>	36.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	77.80	
			<i>For 10" WG (Class A), Add</i>	111.84	
			<i>For Work In Restricted Working Space, Add</i>	72.94	
23 31 13	13-0615	LF	20" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	280.24	150.58
			<i>For 3" WG (Class B), Add</i>	37.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	80.31	
			<i>For 10" WG (Class A), Add</i>	115.44	
			<i>For Work In Restricted Working Space, Add</i>	75.29	
23 31 13	13-0616	LF	20" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.00	155.28
			<i>For 3" WG (Class B), Add</i>	38.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	82.82	
			<i>For 10" WG (Class A), Add</i>	119.05	
			<i>For Work In Restricted Working Space, Add</i>	77.64	
23 31 13	13-0617	LF	20" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	297.75	160.00
			<i>For 3" WG (Class B), Add</i>	40.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	85.32	
			<i>For 10" WG (Class A), Add</i>	122.65	
			<i>For Work In Restricted Working Space, Add</i>	79.99	
23 31 13	13-0618	LF	22" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	192.67	103.52
			<i>For 3" WG (Class B), Add</i>	25.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.21	
			<i>For 10" WG (Class A), Add</i>	79.36	
			<i>For Work In Restricted Working Space, Add</i>	51.76	
23 31 13	13-0619	LF	22" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	201.41	108.23
			<i>For 3" WG (Class B), Add</i>	27.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	57.72	
			<i>For 10" WG (Class A), Add</i>	82.97	
			<i>For Work In Restricted Working Space, Add</i>	54.11	
23 31 13	13-0620	LF	22" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	210.19	112.93
			<i>For 3" WG (Class B), Add</i>	28.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.23	
			<i>For 10" WG (Class A), Add</i>	86.59	
			<i>For Work In Restricted Working Space, Add</i>	56.47	
23 31 13	13-0621	LF	22" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	218.93	117.63
			<i>For 3" WG (Class B), Add</i>	29.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	62.74	
			<i>For 10" WG (Class A), Add</i>	90.19	
			<i>For Work In Restricted Working Space, Add</i>	58.82	
23 31 13	13-0622	LF	22" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	227.70	122.35
			<i>For 3" WG (Class B), Add</i>	30.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	65.25	
			<i>For 10" WG (Class A), Add</i>	93.80	
			<i>For Work In Restricted Working Space, Add</i>	61.17	
23 31 13	13-0623	LF	22" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	236.45	127.04
			<i>For 3" WG (Class B), Add</i>	31.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	67.76	
			<i>For 10" WG (Class A), Add</i>	97.40	
			<i>For Work In Restricted Working Space, Add</i>	63.52	
23 31 13	13-0624	LF	22" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.21	131.75
			<i>For 3" WG (Class B), Add</i>	32.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
			<i>For 10" WG (Class A), Add</i>	101.01	
			<i>For Work In Restricted Working Space, Add</i>	65.88	
23 31 13	13-0625	LF	22" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.96	136.46
			<i>For 3" WG (Class B), Add</i>	34.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.77	
			<i>For 10" WG (Class A), Add</i>	104.61	
			<i>For Work In Restricted Working Space, Add</i>	68.23	
23 31 13	13-0626	LF	22" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	262.74	141.17
			<i>For 3" WG (Class B), Add</i>	35.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	75.29	
			<i>For 10" WG (Class A), Add</i>	108.23	
			<i>For Work In Restricted Working Space, Add</i>	70.58	
23 31 13	13-0627	LF	22" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	271.48	145.86
			<i>For 3" WG (Class B), Add</i>	36.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	77.80	
			<i>For 10" WG (Class A), Add</i>	111.84	
			<i>For Work In Restricted Working Space, Add</i>	72.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0628 LF 22" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	280.24	150.58
<i>For 3" WG (Class B), Add</i>	37.64	
<i>For 4" Or 6" WG (Class A), Add</i>	80.31	
<i>For 10" WG (Class A), Add</i>	115.44	
<i>For Work In Restricted Working Space, Add</i>	75.29	
23 31 13 13-0629 LF 22" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	289.00	155.28
<i>For 3" WG (Class B), Add</i>	38.82	
<i>For 4" Or 6" WG (Class A), Add</i>	82.82	
<i>For 10" WG (Class A), Add</i>	119.05	
<i>For Work In Restricted Working Space, Add</i>	77.64	
23 31 13 13-0630 LF 22" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	297.75	160.00
<i>For 3" WG (Class B), Add</i>	40.00	
<i>For 4" Or 6" WG (Class A), Add</i>	85.32	
<i>For 10" WG (Class A), Add</i>	122.65	
<i>For Work In Restricted Working Space, Add</i>	79.99	
23 31 13 13-0631 LF 22" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	306.52	164.69
<i>For 3" WG (Class B), Add</i>	41.17	
<i>For 4" Or 6" WG (Class A), Add</i>	87.84	
<i>For 10" WG (Class A), Add</i>	126.27	
<i>For Work In Restricted Working Space, Add</i>	82.35	
23 31 13 13-0632 LF 24" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	210.19	112.93
<i>For 3" WG (Class B), Add</i>	28.23	
<i>For 4" Or 6" WG (Class A), Add</i>	60.23	
<i>For 10" WG (Class A), Add</i>	86.59	
<i>For Work In Restricted Working Space, Add</i>	56.47	
23 31 13 13-0633 LF 24" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	218.93	117.63
<i>For 3" WG (Class B), Add</i>	29.41	
<i>For 4" Or 6" WG (Class A), Add</i>	62.74	
<i>For 10" WG (Class A), Add</i>	90.19	
<i>For Work In Restricted Working Space, Add</i>	58.82	
23 31 13 13-0634 LF 24" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	227.70	122.35
<i>For 3" WG (Class B), Add</i>	30.59	
<i>For 4" Or 6" WG (Class A), Add</i>	65.25	
<i>For 10" WG (Class A), Add</i>	93.80	
<i>For Work In Restricted Working Space, Add</i>	61.17	
23 31 13 13-0635 LF 24" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	236.45	127.04
<i>For 3" WG (Class B), Add</i>	31.76	
<i>For 4" Or 6" WG (Class A), Add</i>	67.76	
<i>For 10" WG (Class A), Add</i>	97.40	
<i>For Work In Restricted Working Space, Add</i>	63.52	
23 31 13 13-0636 LF 24" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	245.21	131.75
<i>For 3" WG (Class B), Add</i>	32.94	
<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
<i>For 10" WG (Class A), Add</i>	101.01	
<i>For Work In Restricted Working Space, Add</i>	65.88	
23 31 13 13-0637 LF 24" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	253.96	136.46
<i>For 3" WG (Class B), Add</i>	34.11	
<i>For 4" Or 6" WG (Class A), Add</i>	72.77	
<i>For 10" WG (Class A), Add</i>	104.61	
<i>For Work In Restricted Working Space, Add</i>	68.23	
23 31 13 13-0638 LF 24" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	262.74	141.17
<i>For 3" WG (Class B), Add</i>	35.29	
<i>For 4" Or 6" WG (Class A), Add</i>	75.29	
<i>For 10" WG (Class A), Add</i>	108.23	
<i>For Work In Restricted Working Space, Add</i>	70.58	
23 31 13 13-0639 LF 24" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	271.48	145.86
<i>For 3" WG (Class B), Add</i>	36.47	
<i>For 4" Or 6" WG (Class A), Add</i>	77.80	
<i>For 10" WG (Class A), Add</i>	111.84	
<i>For Work In Restricted Working Space, Add</i>	72.94	
23 31 13 13-0640 LF 24" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	280.24	150.58
<i>For 3" WG (Class B), Add</i>	37.64	
<i>For 4" Or 6" WG (Class A), Add</i>	80.31	
<i>For 10" WG (Class A), Add</i>	115.44	
<i>For Work In Restricted Working Space, Add</i>	75.29	
23 31 13 13-0641 LF 24" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	289.00	155.28
<i>For 3" WG (Class B), Add</i>	38.82	
<i>For 4" Or 6" WG (Class A), Add</i>	82.82	
<i>For 10" WG (Class A), Add</i>	119.05	
<i>For Work In Restricted Working Space, Add</i>	77.64	
23 31 13 13-0642 LF 24" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	297.75	160.00
<i>For 3" WG (Class B), Add</i>	40.00	
<i>For 4" Or 6" WG (Class A), Add</i>	85.32	
<i>For 10" WG (Class A), Add</i>	122.65	
<i>For Work In Restricted Working Space, Add</i>	79.99	
23 31 13 13-0643 LF 24" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	306.52	164.69
<i>For 3" WG (Class B), Add</i>	41.17	
<i>For 4" Or 6" WG (Class A), Add</i>	87.84	
<i>For 10" WG (Class A), Add</i>	126.27	
<i>For Work In Restricted Working Space, Add</i>	82.35	
23 31 13 13-0644 LF 24" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	315.26	169.40
<i>For 3" WG (Class B), Add</i>	42.35	
<i>For 4" Or 6" WG (Class A), Add</i>	90.34	
<i>For 10" WG (Class A), Add</i>	129.87	
<i>For Work In Restricted Working Space, Add</i>	84.70	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0645	LF	26" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	227.70	122.35
			<i>For 3" WG (Class B), Add</i>	30.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	65.25	
			<i>For 10" WG (Class A), Add</i>	93.80	
			<i>For Work In Restricted Working Space, Add</i>	61.17	
23 31 13	13-0646	LF	26" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	236.45	127.04
			<i>For 3" WG (Class B), Add</i>	31.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	67.76	
			<i>For 10" WG (Class A), Add</i>	97.40	
			<i>For Work In Restricted Working Space, Add</i>	63.52	
23 31 13	13-0647	LF	26" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.21	131.75
			<i>For 3" WG (Class B), Add</i>	32.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
			<i>For 10" WG (Class A), Add</i>	101.01	
			<i>For Work In Restricted Working Space, Add</i>	65.88	
23 31 13	13-0648	LF	26" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.96	136.46
			<i>For 3" WG (Class B), Add</i>	34.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.77	
			<i>For 10" WG (Class A), Add</i>	104.61	
			<i>For Work In Restricted Working Space, Add</i>	68.23	
23 31 13	13-0649	LF	26" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	262.74	141.17
			<i>For 3" WG (Class B), Add</i>	35.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	75.29	
			<i>For 10" WG (Class A), Add</i>	108.23	
			<i>For Work In Restricted Working Space, Add</i>	70.58	
23 31 13	13-0650	LF	26" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	271.48	145.86
			<i>For 3" WG (Class B), Add</i>	36.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	77.80	
			<i>For 10" WG (Class A), Add</i>	111.84	
			<i>For Work In Restricted Working Space, Add</i>	72.94	
23 31 13	13-0651	LF	26" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	280.24	150.58
			<i>For 3" WG (Class B), Add</i>	37.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	80.31	
			<i>For 10" WG (Class A), Add</i>	115.44	
			<i>For Work In Restricted Working Space, Add</i>	75.29	
23 31 13	13-0652	LF	26" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.00	155.28
			<i>For 3" WG (Class B), Add</i>	38.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	82.82	
			<i>For 10" WG (Class A), Add</i>	119.05	
			<i>For Work In Restricted Working Space, Add</i>	77.64	
23 31 13	13-0653	LF	26" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	297.75	160.00
			<i>For 3" WG (Class B), Add</i>	40.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	85.32	
			<i>For 10" WG (Class A), Add</i>	122.65	
			<i>For Work In Restricted Working Space, Add</i>	79.99	
23 31 13	13-0654	LF	26" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	306.52	164.69
			<i>For 3" WG (Class B), Add</i>	41.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	87.84	
			<i>For 10" WG (Class A), Add</i>	126.27	
			<i>For Work In Restricted Working Space, Add</i>	82.35	
23 31 13	13-0655	LF	26" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	315.26	169.40
			<i>For 3" WG (Class B), Add</i>	42.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	90.34	
			<i>For 10" WG (Class A), Add</i>	129.87	
			<i>For Work In Restricted Working Space, Add</i>	84.70	
23 31 13	13-0656	LF	26" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	324.04	174.11
			<i>For 3" WG (Class B), Add</i>	43.53	
			<i>For 4" Or 6" WG (Class A), Add</i>	92.86	
			<i>For 10" WG (Class A), Add</i>	133.48	
			<i>For Work In Restricted Working Space, Add</i>	87.05	
23 31 13	13-0657	LF	28" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	245.21	131.75
			<i>For 3" WG (Class B), Add</i>	32.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	70.27	
			<i>For 10" WG (Class A), Add</i>	101.01	
			<i>For Work In Restricted Working Space, Add</i>	65.88	
23 31 13	13-0658	LF	28" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.96	136.46
			<i>For 3" WG (Class B), Add</i>	34.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	72.77	
			<i>For 10" WG (Class A), Add</i>	104.61	
			<i>For Work In Restricted Working Space, Add</i>	68.23	
23 31 13	13-0659	LF	28" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	262.74	141.17
			<i>For 3" WG (Class B), Add</i>	35.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	75.29	
			<i>For 10" WG (Class A), Add</i>	108.23	
			<i>For Work In Restricted Working Space, Add</i>	70.58	
23 31 13	13-0660	LF	28" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	271.48	145.86
			<i>For 3" WG (Class B), Add</i>	36.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	77.80	
			<i>For 10" WG (Class A), Add</i>	111.84	
			<i>For Work In Restricted Working Space, Add</i>	72.94	
23 31 13	13-0661	LF	28" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	280.24	150.58
			<i>For 3" WG (Class B), Add</i>	37.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	80.31	
			<i>For 10" WG (Class A), Add</i>	115.44	
			<i>For Work In Restricted Working Space, Add</i>	75.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0662 LF 28" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	289.00	155.28
For 3" WG (Class B), Add	38.82	
For 4" Or 6" WG (Class A), Add	82.82	
For 10" WG (Class A), Add	119.05	
For Work In Restricted Working Space, Add	77.64	
23 31 13 13-0663 LF 28" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	297.75	160.00
For 3" WG (Class B), Add	40.00	
For 4" Or 6" WG (Class A), Add	85.32	
For 10" WG (Class A), Add	122.65	
For Work In Restricted Working Space, Add	79.99	
23 31 13 13-0664 LF 28" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	306.52	164.69
For 3" WG (Class B), Add	41.17	
For 4" Or 6" WG (Class A), Add	87.84	
For 10" WG (Class A), Add	126.27	
For Work In Restricted Working Space, Add	82.35	
23 31 13 13-0665 LF 28" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	315.26	169.40
For 3" WG (Class B), Add	42.35	
For 4" Or 6" WG (Class A), Add	90.34	
For 10" WG (Class A), Add	129.87	
For Work In Restricted Working Space, Add	84.70	
23 31 13 13-0666 LF 28" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	324.04	174.11
For 3" WG (Class B), Add	43.53	
For 4" Or 6" WG (Class A), Add	92.86	
For 10" WG (Class A), Add	133.48	
For Work In Restricted Working Space, Add	87.05	
23 31 13 13-0667 LF 28" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	332.77	178.81
For 3" WG (Class B), Add	44.70	
For 4" Or 6" WG (Class A), Add	95.36	
For 10" WG (Class A), Add	137.08	
For Work In Restricted Working Space, Add	89.40	
23 31 13 13-0668 LF 30" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	262.74	141.17
For 3" WG (Class B), Add	35.29	
For 4" Or 6" WG (Class A), Add	75.29	
For 10" WG (Class A), Add	108.23	
For Work In Restricted Working Space, Add	70.58	
23 31 13 13-0669 LF 30" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	271.48	145.86
For 3" WG (Class B), Add	36.47	
For 4" Or 6" WG (Class A), Add	77.80	
For 10" WG (Class A), Add	111.84	
For Work In Restricted Working Space, Add	72.94	
23 31 13 13-0670 LF 30" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	280.24	150.58
For 3" WG (Class B), Add	37.64	
For 4" Or 6" WG (Class A), Add	80.31	
For 10" WG (Class A), Add	115.44	
For Work In Restricted Working Space, Add	75.29	
23 31 13 13-0671 LF 30" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	289.00	155.28
For 3" WG (Class B), Add	38.82	
For 4" Or 6" WG (Class A), Add	82.82	
For 10" WG (Class A), Add	119.05	
For Work In Restricted Working Space, Add	77.64	
23 31 13 13-0672 LF 30" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	297.75	160.00
For 3" WG (Class B), Add	40.00	
For 4" Or 6" WG (Class A), Add	85.32	
For 10" WG (Class A), Add	122.65	
For Work In Restricted Working Space, Add	79.99	
23 31 13 13-0673 LF 30" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	306.52	164.69
For 3" WG (Class B), Add	41.17	
For 4" Or 6" WG (Class A), Add	87.84	
For 10" WG (Class A), Add	126.27	
For Work In Restricted Working Space, Add	82.35	
23 31 13 13-0674 LF 30" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	315.26	169.40
For 3" WG (Class B), Add	42.35	
For 4" Or 6" WG (Class A), Add	90.34	
For 10" WG (Class A), Add	129.87	
For Work In Restricted Working Space, Add	84.70	
23 31 13 13-0675 LF 30" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	324.04	174.11
For 3" WG (Class B), Add	43.53	
For 4" Or 6" WG (Class A), Add	92.86	
For 10" WG (Class A), Add	133.48	
For Work In Restricted Working Space, Add	87.05	
23 31 13 13-0676 LF 30" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	332.77	178.81
For 3" WG (Class B), Add	44.70	
For 4" Or 6" WG (Class A), Add	95.36	
For 10" WG (Class A), Add	137.08	
For Work In Restricted Working Space, Add	89.40	
23 31 13 13-0677 LF 30" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	341.54	183.51
For 3" WG (Class B), Add	45.88	
For 4" Or 6" WG (Class A), Add	97.88	
For 10" WG (Class A), Add	140.70	
For Work In Restricted Working Space, Add	91.76	
23 31 13 13-0678 LF 32" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	280.24	150.58
For 3" WG (Class B), Add	37.64	
For 4" Or 6" WG (Class A), Add	80.31	
For 10" WG (Class A), Add	115.44	
For Work In Restricted Working Space, Add	75.29	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0679	LF	32" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	289.00	155.28
			<i>For 3" WG (Class B), Add</i>	38.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	82.82	
			<i>For 10" WG (Class A), Add</i>	119.05	
			<i>For Work In Restricted Working Space, Add</i>	77.64	
23 31 13	13-0680	LF	32" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	297.75	160.00
			<i>For 3" WG (Class B), Add</i>	40.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	85.32	
			<i>For 10" WG (Class A), Add</i>	122.65	
			<i>For Work In Restricted Working Space, Add</i>	79.99	
23 31 13	13-0681	LF	32" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	306.52	164.69
			<i>For 3" WG (Class B), Add</i>	41.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	87.84	
			<i>For 10" WG (Class A), Add</i>	126.27	
			<i>For Work In Restricted Working Space, Add</i>	82.35	
23 31 13	13-0682	LF	32" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	315.26	169.40
			<i>For 3" WG (Class B), Add</i>	42.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	90.34	
			<i>For 10" WG (Class A), Add</i>	129.87	
			<i>For Work In Restricted Working Space, Add</i>	84.70	
23 31 13	13-0683	LF	32" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	324.04	174.11
			<i>For 3" WG (Class B), Add</i>	43.53	
			<i>For 4" Or 6" WG (Class A), Add</i>	92.86	
			<i>For 10" WG (Class A), Add</i>	133.48	
			<i>For Work In Restricted Working Space, Add</i>	87.05	
23 31 13	13-0684	LF	32" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.77	178.81
			<i>For 3" WG (Class B), Add</i>	44.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	95.36	
			<i>For 10" WG (Class A), Add</i>	137.08	
			<i>For Work In Restricted Working Space, Add</i>	89.40	
23 31 13	13-0685	LF	32" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	341.54	183.51
			<i>For 3" WG (Class B), Add</i>	45.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	97.88	
			<i>For 10" WG (Class A), Add</i>	140.70	
			<i>For Work In Restricted Working Space, Add</i>	91.76	
23 31 13	13-0686	LF	32" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	350.31	188.23
			<i>For 3" WG (Class B), Add</i>	47.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	100.38	
			<i>For 10" WG (Class A), Add</i>	144.30	
			<i>For Work In Restricted Working Space, Add</i>	94.11	
23 31 13	13-0687	LF	34" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	297.75	160.00
			<i>For 3" WG (Class B), Add</i>	40.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	85.32	
			<i>For 10" WG (Class A), Add</i>	122.65	
			<i>For Work In Restricted Working Space, Add</i>	79.99	
23 31 13	13-0688	LF	34" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	306.52	164.69
			<i>For 3" WG (Class B), Add</i>	41.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	87.84	
			<i>For 10" WG (Class A), Add</i>	126.27	
			<i>For Work In Restricted Working Space, Add</i>	82.35	
23 31 13	13-0689	LF	34" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	315.26	169.40
			<i>For 3" WG (Class B), Add</i>	42.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	90.34	
			<i>For 10" WG (Class A), Add</i>	129.87	
			<i>For Work In Restricted Working Space, Add</i>	84.70	
23 31 13	13-0690	LF	34" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	324.04	174.11
			<i>For 3" WG (Class B), Add</i>	43.53	
			<i>For 4" Or 6" WG (Class A), Add</i>	92.86	
			<i>For 10" WG (Class A), Add</i>	133.48	
			<i>For Work In Restricted Working Space, Add</i>	87.05	
23 31 13	13-0691	LF	34" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	332.77	178.81
			<i>For 3" WG (Class B), Add</i>	44.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	95.36	
			<i>For 10" WG (Class A), Add</i>	137.08	
			<i>For Work In Restricted Working Space, Add</i>	89.40	
23 31 13	13-0692	LF	34" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	341.54	183.51
			<i>For 3" WG (Class B), Add</i>	45.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	97.88	
			<i>For 10" WG (Class A), Add</i>	140.70	
			<i>For Work In Restricted Working Space, Add</i>	91.76	
23 31 13	13-0693	LF	34" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	350.31	188.23
			<i>For 3" WG (Class B), Add</i>	47.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	100.38	
			<i>For 10" WG (Class A), Add</i>	144.30	
			<i>For Work In Restricted Working Space, Add</i>	94.11	
23 31 13	13-0694	LF	34" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	359.05	192.93
			<i>For 3" WG (Class B), Add</i>	48.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	102.89	
			<i>For 10" WG (Class A), Add</i>	147.91	
			<i>For Work In Restricted Working Space, Add</i>	96.46	
23 31 13	13-0695	LF	36" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	315.26	169.40
			<i>For 3" WG (Class B), Add</i>	42.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	90.34	
			<i>For 10" WG (Class A), Add</i>	129.87	
			<i>For Work In Restricted Working Space, Add</i>	84.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0696 LF 36" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	324.04	174.11
<i>For 3" WG (Class B), Add</i>	43.53	
<i>For 4" Or 6" WG (Class A), Add</i>	92.86	
<i>For 10" WG (Class A), Add</i>	133.48	
<i>For Work In Restricted Working Space, Add</i>	87.05	
23 31 13 13-0697 LF 36" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	332.77	178.81
<i>For 3" WG (Class B), Add</i>	44.70	
<i>For 4" Or 6" WG (Class A), Add</i>	95.36	
<i>For 10" WG (Class A), Add</i>	137.08	
<i>For Work In Restricted Working Space, Add</i>	89.40	
23 31 13 13-0698 LF 36" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	341.54	183.51
<i>For 3" WG (Class B), Add</i>	45.88	
<i>For 4" Or 6" WG (Class A), Add</i>	97.88	
<i>For 10" WG (Class A), Add</i>	140.70	
<i>For Work In Restricted Working Space, Add</i>	91.76	
23 31 13 13-0699 LF 36" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	350.31	188.23
<i>For 3" WG (Class B), Add</i>	47.06	
<i>For 4" Or 6" WG (Class A), Add</i>	100.38	
<i>For 10" WG (Class A), Add</i>	144.30	
<i>For Work In Restricted Working Space, Add</i>	94.11	
23 31 13 13-0700 LF 36" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	359.05	192.93
<i>For 3" WG (Class B), Add</i>	48.23	
<i>For 4" Or 6" WG (Class A), Add</i>	102.89	
<i>For 10" WG (Class A), Add</i>	147.91	
<i>For Work In Restricted Working Space, Add</i>	96.46	
23 31 13 13-0701 LF 36" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	367.81	197.63
<i>For 3" WG (Class B), Add</i>	49.41	
<i>For 4" Or 6" WG (Class A), Add</i>	105.40	
<i>For 10" WG (Class A), Add</i>	151.51	
<i>For Work In Restricted Working Space, Add</i>	98.81	
23 31 13 13-0702 LF 38" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	332.77	178.81
<i>For 3" WG (Class B), Add</i>	44.70	
<i>For 4" Or 6" WG (Class A), Add</i>	95.36	
<i>For 10" WG (Class A), Add</i>	137.08	
<i>For Work In Restricted Working Space, Add</i>	89.40	
23 31 13 13-0703 LF 38" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	341.54	183.51
<i>For 3" WG (Class B), Add</i>	45.88	
<i>For 4" Or 6" WG (Class A), Add</i>	97.88	
<i>For 10" WG (Class A), Add</i>	140.70	
<i>For Work In Restricted Working Space, Add</i>	91.76	
23 31 13 13-0704 LF 38" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	350.31	188.23
<i>For 3" WG (Class B), Add</i>	47.06	
<i>For 4" Or 6" WG (Class A), Add</i>	100.38	
<i>For 10" WG (Class A), Add</i>	144.30	
<i>For Work In Restricted Working Space, Add</i>	94.11	
23 31 13 13-0705 LF 38" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	359.05	192.93
<i>For 3" WG (Class B), Add</i>	48.23	
<i>For 4" Or 6" WG (Class A), Add</i>	102.89	
<i>For 10" WG (Class A), Add</i>	147.91	
<i>For Work In Restricted Working Space, Add</i>	96.46	
23 31 13 13-0706 LF 38" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	367.81	197.63
<i>For 3" WG (Class B), Add</i>	49.41	
<i>For 4" Or 6" WG (Class A), Add</i>	105.40	
<i>For 10" WG (Class A), Add</i>	151.51	
<i>For Work In Restricted Working Space, Add</i>	98.81	
23 31 13 13-0707 LF 38" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	376.58	202.34
<i>For 3" WG (Class B), Add</i>	50.58	
<i>For 4" Or 6" WG (Class A), Add</i>	107.91	
<i>For 10" WG (Class A), Add</i>	155.13	
<i>For Work In Restricted Working Space, Add</i>	101.17	
23 31 13 13-0708 LF 38" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	385.34	207.05
<i>For 3" WG (Class B), Add</i>	51.76	
<i>For 4" Or 6" WG (Class A), Add</i>	110.43	
<i>For 10" WG (Class A), Add</i>	158.74	
<i>For Work In Restricted Working Space, Add</i>	103.52	
23 31 13 13-0709 LF 40" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	350.31	188.23
<i>For 3" WG (Class B), Add</i>	47.06	
<i>For 4" Or 6" WG (Class A), Add</i>	100.38	
<i>For 10" WG (Class A), Add</i>	144.30	
<i>For Work In Restricted Working Space, Add</i>	94.11	
23 31 13 13-0710 LF 40" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	359.05	192.93
<i>For 3" WG (Class B), Add</i>	48.23	
<i>For 4" Or 6" WG (Class A), Add</i>	102.89	
<i>For 10" WG (Class A), Add</i>	147.91	
<i>For Work In Restricted Working Space, Add</i>	96.46	
23 31 13 13-0711 LF 40" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	367.81	197.63
<i>For 3" WG (Class B), Add</i>	49.41	
<i>For 4" Or 6" WG (Class A), Add</i>	105.40	
<i>For 10" WG (Class A), Add</i>	151.51	
<i>For Work In Restricted Working Space, Add</i>	98.81	
23 31 13 13-0712 LF 40" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	376.58	202.34
<i>For 3" WG (Class B), Add</i>	50.58	
<i>For 4" Or 6" WG (Class A), Add</i>	107.91	
<i>For 10" WG (Class A), Add</i>	155.13	
<i>For Work In Restricted Working Space, Add</i>	101.17	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0713	LF	40" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	385.34	207.05
			<i>For 3" WG (Class B), Add</i>	51.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	110.43	
			<i>For 10" WG (Class A), Add</i>	158.74	
			<i>For Work In Restricted Working Space, Add</i>	103.52	
23 31 13	13-0714	LF	40" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	394.09	211.74
			<i>For 3" WG (Class B), Add</i>	52.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	112.93	
			<i>For 10" WG (Class A), Add</i>	162.34	
			<i>For Work In Restricted Working Space, Add</i>	105.87	
23 31 13	13-0715	LF	40" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	402.84	216.46
			<i>For 3" WG (Class B), Add</i>	54.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	115.44	
			<i>For 10" WG (Class A), Add</i>	165.95	
			<i>For Work In Restricted Working Space, Add</i>	108.23	
23 31 13	13-0716	LF	40" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	411.60	221.16
			<i>For 3" WG (Class B), Add</i>	55.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	117.95	
			<i>For 10" WG (Class A), Add</i>	169.55	
			<i>For Work In Restricted Working Space, Add</i>	110.58	
23 31 13	13-0717	LF	40" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	420.37	225.87
			<i>For 3" WG (Class B), Add</i>	56.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	120.46	
			<i>For 10" WG (Class A), Add</i>	173.16	
			<i>For Work In Restricted Working Space, Add</i>	112.93	
23 31 13	13-0718	LF	42" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	367.81	197.63
			<i>For 3" WG (Class B), Add</i>	49.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	105.40	
			<i>For 10" WG (Class A), Add</i>	151.51	
			<i>For Work In Restricted Working Space, Add</i>	98.81	
23 31 13	13-0719	LF	42" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	376.58	202.34
			<i>For 3" WG (Class B), Add</i>	50.58	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.91	
			<i>For 10" WG (Class A), Add</i>	155.13	
			<i>For Work In Restricted Working Space, Add</i>	101.17	
23 31 13	13-0720	LF	42" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	385.34	207.05
			<i>For 3" WG (Class B), Add</i>	51.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	110.43	
			<i>For 10" WG (Class A), Add</i>	158.74	
			<i>For Work In Restricted Working Space, Add</i>	103.52	
23 31 13	13-0721	LF	42" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	394.09	211.74
			<i>For 3" WG (Class B), Add</i>	52.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	112.93	
			<i>For 10" WG (Class A), Add</i>	162.34	
			<i>For Work In Restricted Working Space, Add</i>	105.87	
23 31 13	13-0722	LF	42" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	402.84	216.46
			<i>For 3" WG (Class B), Add</i>	54.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	115.44	
			<i>For 10" WG (Class A), Add</i>	165.95	
			<i>For Work In Restricted Working Space, Add</i>	108.23	
23 31 13	13-0723	LF	42" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	411.60	221.16
			<i>For 3" WG (Class B), Add</i>	55.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	117.95	
			<i>For 10" WG (Class A), Add</i>	169.55	
			<i>For Work In Restricted Working Space, Add</i>	110.58	
23 31 13	13-0724	LF	42" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	420.37	225.87
			<i>For 3" WG (Class B), Add</i>	56.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	120.46	
			<i>For 10" WG (Class A), Add</i>	173.16	
			<i>For Work In Restricted Working Space, Add</i>	112.93	
23 31 13	13-0725	LF	42" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	429.11	230.57
			<i>For 3" WG (Class B), Add</i>	57.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	122.97	
			<i>For 10" WG (Class A), Add</i>	176.77	
			<i>For Work In Restricted Working Space, Add</i>	115.28	
23 31 13	13-0726	LF	44" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	385.34	207.05
			<i>For 3" WG (Class B), Add</i>	51.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	110.43	
			<i>For 10" WG (Class A), Add</i>	158.74	
			<i>For Work In Restricted Working Space, Add</i>	103.52	
23 31 13	13-0727	LF	44" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	394.09	211.74
			<i>For 3" WG (Class B), Add</i>	52.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	112.93	
			<i>For 10" WG (Class A), Add</i>	162.34	
			<i>For Work In Restricted Working Space, Add</i>	105.87	
23 31 13	13-0728	LF	44" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	402.84	216.46
			<i>For 3" WG (Class B), Add</i>	54.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	115.44	
			<i>For 10" WG (Class A), Add</i>	165.95	
			<i>For Work In Restricted Working Space, Add</i>	108.23	
23 31 13	13-0729	LF	44" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	411.60	221.16
			<i>For 3" WG (Class B), Add</i>	55.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	117.95	
			<i>For 10" WG (Class A), Add</i>	169.55	
			<i>For Work In Restricted Working Space, Add</i>	110.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0730 LF 44" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	420.37	225.87
For 3" WG (Class B), Add	56.47	
For 4" Or 6" WG (Class A), Add	120.46	
For 10" WG (Class A), Add	173.16	
For Work In Restricted Working Space, Add	112.93	
23 31 13 13-0731 LF 44" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	429.11	230.57
For 3" WG (Class B), Add	57.64	
For 4" Or 6" WG (Class A), Add	122.97	
For 10" WG (Class A), Add	176.77	
For Work In Restricted Working Space, Add	115.28	
23 31 13 13-0732 LF 44" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	437.88	235.28
For 3" WG (Class B), Add	58.82	
For 4" Or 6" WG (Class A), Add	125.48	
For 10" WG (Class A), Add	180.38	
For Work In Restricted Working Space, Add	117.64	
23 31 13 13-0733 LF 46" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	402.84	216.46
For 3" WG (Class B), Add	54.11	
For 4" Or 6" WG (Class A), Add	115.44	
For 10" WG (Class A), Add	165.95	
For Work In Restricted Working Space, Add	108.23	
23 31 13 13-0734 LF 46" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	411.60	221.16
For 3" WG (Class B), Add	55.29	
For 4" Or 6" WG (Class A), Add	117.95	
For 10" WG (Class A), Add	169.55	
For Work In Restricted Working Space, Add	110.58	
23 31 13 13-0735 LF 46" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	420.37	225.87
For 3" WG (Class B), Add	56.47	
For 4" Or 6" WG (Class A), Add	120.46	
For 10" WG (Class A), Add	173.16	
For Work In Restricted Working Space, Add	112.93	
23 31 13 13-0736 LF 46" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	429.11	230.57
For 3" WG (Class B), Add	57.64	
For 4" Or 6" WG (Class A), Add	122.97	
For 10" WG (Class A), Add	176.77	
For Work In Restricted Working Space, Add	115.28	
23 31 13 13-0737 LF 46" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	437.88	235.28
For 3" WG (Class B), Add	58.82	
For 4" Or 6" WG (Class A), Add	125.48	
For 10" WG (Class A), Add	180.38	
For Work In Restricted Working Space, Add	117.64	
23 31 13 13-0738 LF 46" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	454.49	244.70
For 3" WG (Class B), Add	61.17	
For 4" Or 6" WG (Class A), Add	130.50	
For 10" WG (Class A), Add	187.59	
For Work In Restricted Working Space, Add	122.34	
23 31 13 13-0739 LF 46" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	463.23	249.39
For 3" WG (Class B), Add	62.35	
For 4" Or 6" WG (Class A), Add	133.01	
For 10" WG (Class A), Add	191.20	
For Work In Restricted Working Space, Add	124.70	
23 31 13 13-0740 LF 48" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	420.37	225.87
For 3" WG (Class B), Add	56.47	
For 4" Or 6" WG (Class A), Add	120.46	
For 10" WG (Class A), Add	173.16	
For Work In Restricted Working Space, Add	112.93	
23 31 13 13-0741 LF 48" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	429.11	230.57
For 3" WG (Class B), Add	57.64	
For 4" Or 6" WG (Class A), Add	122.97	
For 10" WG (Class A), Add	176.77	
For Work In Restricted Working Space, Add	115.28	
23 31 13 13-0742 LF 48" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	437.88	235.28
For 3" WG (Class B), Add	58.82	
For 4" Or 6" WG (Class A), Add	125.48	
For 10" WG (Class A), Add	180.38	
For Work In Restricted Working Space, Add	117.64	
23 31 13 13-0743 LF 48" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	446.65	239.98
For 3" WG (Class B), Add	60.00	
For 4" Or 6" WG (Class A), Add	127.99	
For 10" WG (Class A), Add	183.99	
For Work In Restricted Working Space, Add	119.99	
23 31 13 13-0744 LF 48" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	455.39	244.70
For 3" WG (Class B), Add	61.17	
For 4" Or 6" WG (Class A), Add	130.50	
For 10" WG (Class A), Add	187.59	
For Work In Restricted Working Space, Add	122.34	
23 31 13 13-0745 LF 48" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	464.15	249.39
For 3" WG (Class B), Add	62.35	
For 4" Or 6" WG (Class A), Add	133.01	
For 10" WG (Class A), Add	191.20	
For Work In Restricted Working Space, Add	124.70	
23 31 13 13-0746 LF 48" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	472.90	254.10
For 3" WG (Class B), Add	63.52	
For 4" Or 6" WG (Class A), Add	135.52	
For 10" WG (Class A), Add	194.81	
For Work In Restricted Working Space, Add	127.05	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0747	LF	50" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	437.88	235.28
			<i>For 3" WG (Class B), Add</i>	58.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	125.48	
			<i>For 10" WG (Class A), Add</i>	180.38	
			<i>For Work In Restricted Working Space, Add</i>	117.64	
23 31 13	13-0748	LF	50" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	446.65	239.98
			<i>For 3" WG (Class B), Add</i>	60.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	127.99	
			<i>For 10" WG (Class A), Add</i>	183.99	
			<i>For Work In Restricted Working Space, Add</i>	119.99	
23 31 13	13-0749	LF	50" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	455.39	244.70
			<i>For 3" WG (Class B), Add</i>	61.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	130.50	
			<i>For 10" WG (Class A), Add</i>	187.59	
			<i>For Work In Restricted Working Space, Add</i>	122.34	
23 31 13	13-0750	LF	50" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	464.15	249.39
			<i>For 3" WG (Class B), Add</i>	62.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	133.01	
			<i>For 10" WG (Class A), Add</i>	191.20	
			<i>For Work In Restricted Working Space, Add</i>	124.70	
23 31 13	13-0751	LF	50" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	472.90	254.10
			<i>For 3" WG (Class B), Add</i>	63.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	135.52	
			<i>For 10" WG (Class A), Add</i>	194.81	
			<i>For Work In Restricted Working Space, Add</i>	127.05	
23 31 13	13-0752	LF	50" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	481.66	258.81
			<i>For 3" WG (Class B), Add</i>	64.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	138.03	
			<i>For 10" WG (Class A), Add</i>	198.41	
			<i>For Work In Restricted Working Space, Add</i>	129.40	
23 31 13	13-0753	LF	52" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	455.39	244.70
			<i>For 3" WG (Class B), Add</i>	61.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	130.50	
			<i>For 10" WG (Class A), Add</i>	187.59	
			<i>For Work In Restricted Working Space, Add</i>	122.34	
23 31 13	13-0754	LF	52" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	464.15	249.39
			<i>For 3" WG (Class B), Add</i>	62.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	133.01	
			<i>For 10" WG (Class A), Add</i>	191.20	
			<i>For Work In Restricted Working Space, Add</i>	124.70	
23 31 13	13-0755	LF	52" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	472.90	254.10
			<i>For 3" WG (Class B), Add</i>	63.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	135.52	
			<i>For 10" WG (Class A), Add</i>	194.81	
			<i>For Work In Restricted Working Space, Add</i>	127.05	
23 31 13	13-0756	LF	52" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	481.66	258.81
			<i>For 3" WG (Class B), Add</i>	64.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	138.03	
			<i>For 10" WG (Class A), Add</i>	198.41	
			<i>For Work In Restricted Working Space, Add</i>	129.40	
23 31 13	13-0757	LF	52" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	490.44	263.51
			<i>For 3" WG (Class B), Add</i>	65.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	140.54	
			<i>For 10" WG (Class A), Add</i>	202.03	
			<i>For Work In Restricted Working Space, Add</i>	131.76	
23 31 13	13-0758	LF	54" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	472.90	254.10
			<i>For 3" WG (Class B), Add</i>	63.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	135.52	
			<i>For 10" WG (Class A), Add</i>	194.81	
			<i>For Work In Restricted Working Space, Add</i>	127.05	
23 31 13	13-0759	LF	54" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	481.66	258.81
			<i>For 3" WG (Class B), Add</i>	64.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	138.03	
			<i>For 10" WG (Class A), Add</i>	198.41	
			<i>For Work In Restricted Working Space, Add</i>	129.40	
23 31 13	13-0760	LF	54" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	490.44	263.51
			<i>For 3" WG (Class B), Add</i>	65.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	140.54	
			<i>For 10" WG (Class A), Add</i>	202.03	
			<i>For Work In Restricted Working Space, Add</i>	131.76	
23 31 13	13-0761	LF	54" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	499.18	268.21
			<i>For 3" WG (Class B), Add</i>	67.05	
			<i>For 4" Or 6" WG (Class A), Add</i>	143.05	
			<i>For 10" WG (Class A), Add</i>	205.63	
			<i>For Work In Restricted Working Space, Add</i>	134.11	
23 31 13	13-0762	LF	54" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	507.94	272.92
			<i>For 3" WG (Class B), Add</i>	68.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	145.56	
			<i>For 10" WG (Class A), Add</i>	209.24	
			<i>For Work In Restricted Working Space, Add</i>	136.46	
23 31 13	13-0763	LF	54" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	516.69	277.63
			<i>For 3" WG (Class B), Add</i>	69.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	148.07	
			<i>For 10" WG (Class A), Add</i>	212.85	
			<i>For Work In Restricted Working Space, Add</i>	138.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0764 LF 56" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	490.44	263.51
<i>For 3" WG (Class B), Add</i>	65.88	
<i>For 4" Or 6" WG (Class A), Add</i>	140.54	
<i>For 10" WG (Class A), Add</i>	202.03	
<i>For Work In Restricted Working Space, Add</i>	131.76	
23 31 13 13-0765 LF 56" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	499.18	268.21
<i>For 3" WG (Class B), Add</i>	67.05	
<i>For 4" Or 6" WG (Class A), Add</i>	143.05	
<i>For 10" WG (Class A), Add</i>	205.63	
<i>For Work In Restricted Working Space, Add</i>	134.11	
23 31 13 13-0766 LF 56" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	507.94	272.92
<i>For 3" WG (Class B), Add</i>	68.23	
<i>For 4" Or 6" WG (Class A), Add</i>	145.56	
<i>For 10" WG (Class A), Add</i>	209.24	
<i>For Work In Restricted Working Space, Add</i>	136.46	
23 31 13 13-0767 LF 56" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	516.69	277.63
<i>For 3" WG (Class B), Add</i>	69.41	
<i>For 4" Or 6" WG (Class A), Add</i>	148.07	
<i>For 10" WG (Class A), Add</i>	212.85	
<i>For Work In Restricted Working Space, Add</i>	138.81	
23 31 13 13-0768 LF 56" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	525.45	282.32
<i>For 3" WG (Class B), Add</i>	70.58	
<i>For 4" Or 6" WG (Class A), Add</i>	150.58	
<i>For 10" WG (Class A), Add</i>	216.45	
<i>For Work In Restricted Working Space, Add</i>	141.17	
23 31 13 13-0769 LF 58" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	507.94	272.92
<i>For 3" WG (Class B), Add</i>	68.23	
<i>For 4" Or 6" WG (Class A), Add</i>	145.56	
<i>For 10" WG (Class A), Add</i>	209.24	
<i>For Work In Restricted Working Space, Add</i>	136.46	
23 31 13 13-0770 LF 58" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	516.69	277.63
<i>For 3" WG (Class B), Add</i>	69.41	
<i>For 4" Or 6" WG (Class A), Add</i>	148.07	
<i>For 10" WG (Class A), Add</i>	212.85	
<i>For Work In Restricted Working Space, Add</i>	138.81	
23 31 13 13-0771 LF 58" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	525.45	282.32
<i>For 3" WG (Class B), Add</i>	70.58	
<i>For 4" Or 6" WG (Class A), Add</i>	150.58	
<i>For 10" WG (Class A), Add</i>	216.45	
<i>For Work In Restricted Working Space, Add</i>	141.17	
23 31 13 13-0772 LF 58" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	534.21	287.04
<i>For 3" WG (Class B), Add</i>	71.76	
<i>For 4" Or 6" WG (Class A), Add</i>	153.08	
<i>For 10" WG (Class A), Add</i>	220.06	
<i>For Work In Restricted Working Space, Add</i>	143.52	
23 31 13 13-0773 LF 58" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	542.96	291.74
<i>For 3" WG (Class B), Add</i>	72.93	
<i>For 4" Or 6" WG (Class A), Add</i>	155.59	
<i>For 10" WG (Class A), Add</i>	223.67	
<i>For Work In Restricted Working Space, Add</i>	145.87	
23 31 13 13-0774 LF 60" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	525.45	282.32
<i>For 3" WG (Class B), Add</i>	70.58	
<i>For 4" Or 6" WG (Class A), Add</i>	150.58	
<i>For 10" WG (Class A), Add</i>	216.45	
<i>For Work In Restricted Working Space, Add</i>	141.17	
23 31 13 13-0775 LF 60" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	534.21	287.04
<i>For 3" WG (Class B), Add</i>	71.76	
<i>For 4" Or 6" WG (Class A), Add</i>	153.08	
<i>For 10" WG (Class A), Add</i>	220.06	
<i>For Work In Restricted Working Space, Add</i>	143.52	
23 31 13 13-0776 LF 60" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	542.96	291.74
<i>For 3" WG (Class B), Add</i>	72.93	
<i>For 4" Or 6" WG (Class A), Add</i>	155.59	
<i>For 10" WG (Class A), Add</i>	223.67	
<i>For Work In Restricted Working Space, Add</i>	145.87	
23 31 13 13-0777 LF 60" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	551.74	296.44
<i>For 3" WG (Class B), Add</i>	74.11	
<i>For 4" Or 6" WG (Class A), Add</i>	158.11	
<i>For 10" WG (Class A), Add</i>	227.28	
<i>For Work In Restricted Working Space, Add</i>	148.23	
23 31 13 13-0778 LF 60" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	560.49	301.15
<i>For 3" WG (Class B), Add</i>	75.29	
<i>For 4" Or 6" WG (Class A), Add</i>	160.61	
<i>For 10" WG (Class A), Add</i>	230.88	
<i>For Work In Restricted Working Space, Add</i>	150.58	
23 31 13 13-0779 LF 62" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	542.96	291.74
<i>For 3" WG (Class B), Add</i>	72.93	
<i>For 4" Or 6" WG (Class A), Add</i>	155.59	
<i>For 10" WG (Class A), Add</i>	223.67	
<i>For Work In Restricted Working Space, Add</i>	145.87	
23 31 13 13-0780 LF 62" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	551.74	296.44
<i>For 3" WG (Class B), Add</i>	74.11	
<i>For 4" Or 6" WG (Class A), Add</i>	158.11	
<i>For 10" WG (Class A), Add</i>	227.28	
<i>For Work In Restricted Working Space, Add</i>	148.23	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0781	LF	62" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	560.49	301.15
			<i>For 3" WG (Class B), Add</i>	75.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	160.61	
			<i>For 10" WG (Class A), Add</i>	230.88	
			<i>For Work In Restricted Working Space, Add</i>	150.58	
23 31 13	13-0782	LF	62" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	569.24	305.86
			<i>For 3" WG (Class B), Add</i>	76.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	163.13	
			<i>For 10" WG (Class A), Add</i>	234.49	
			<i>For Work In Restricted Working Space, Add</i>	152.93	
23 31 13	13-0783	LF	62" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	578.00	310.55
			<i>For 3" WG (Class B), Add</i>	77.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	165.63	
			<i>For 10" WG (Class A), Add</i>	238.10	
			<i>For Work In Restricted Working Space, Add</i>	155.28	
23 31 13	13-0784	LF	64" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	560.49	301.15
			<i>For 3" WG (Class B), Add</i>	75.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	160.61	
			<i>For 10" WG (Class A), Add</i>	230.88	
			<i>For Work In Restricted Working Space, Add</i>	150.58	
23 31 13	13-0785	LF	64" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	569.24	305.86
			<i>For 3" WG (Class B), Add</i>	76.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	163.13	
			<i>For 10" WG (Class A), Add</i>	234.49	
			<i>For Work In Restricted Working Space, Add</i>	152.93	
23 31 13	13-0786	LF	64" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	578.00	310.55
			<i>For 3" WG (Class B), Add</i>	77.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	165.63	
			<i>For 10" WG (Class A), Add</i>	238.10	
			<i>For Work In Restricted Working Space, Add</i>	155.28	
23 31 13	13-0787	LF	64" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	586.75	315.27
			<i>For 3" WG (Class B), Add</i>	78.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	168.14	
			<i>For 10" WG (Class A), Add</i>	241.71	
			<i>For Work In Restricted Working Space, Add</i>	157.64	
23 31 13	13-0788	LF	66" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	578.00	310.55
			<i>For 3" WG (Class B), Add</i>	77.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	165.63	
			<i>For 10" WG (Class A), Add</i>	238.10	
			<i>For Work In Restricted Working Space, Add</i>	155.28	
23 31 13	13-0789	LF	66" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	586.75	315.27
			<i>For 3" WG (Class B), Add</i>	78.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	168.14	
			<i>For 10" WG (Class A), Add</i>	241.71	
			<i>For Work In Restricted Working Space, Add</i>	157.64	
23 31 13	13-0790	LF	66" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	595.50	319.97
			<i>For 3" WG (Class B), Add</i>	79.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	170.65	
			<i>For 10" WG (Class A), Add</i>	245.31	
			<i>For Work In Restricted Working Space, Add</i>	159.98	
23 31 13	13-0791	LF	66" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	604.27	324.68
			<i>For 3" WG (Class B), Add</i>	81.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	173.16	
			<i>For 10" WG (Class A), Add</i>	248.92	
			<i>For Work In Restricted Working Space, Add</i>	162.34	
23 31 13	13-0792	LF	68" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	595.50	319.97
			<i>For 3" WG (Class B), Add</i>	79.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	170.65	
			<i>For 10" WG (Class A), Add</i>	245.31	
			<i>For Work In Restricted Working Space, Add</i>	159.98	
23 31 13	13-0793	LF	68" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	604.27	324.68
			<i>For 3" WG (Class B), Add</i>	81.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	173.16	
			<i>For 10" WG (Class A), Add</i>	248.92	
			<i>For Work In Restricted Working Space, Add</i>	162.34	
23 31 13	13-0794	LF	68" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	613.02	329.38
			<i>For 3" WG (Class B), Add</i>	82.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	175.67	
			<i>For 10" WG (Class A), Add</i>	252.53	
			<i>For Work In Restricted Working Space, Add</i>	164.69	
23 31 13	13-0795	LF	68" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	621.79	334.09
			<i>For 3" WG (Class B), Add</i>	83.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	178.18	
			<i>For 10" WG (Class A), Add</i>	256.14	
			<i>For Work In Restricted Working Space, Add</i>	167.05	
23 31 13	13-0796	LF	70" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	613.02	329.38
			<i>For 3" WG (Class B), Add</i>	82.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	175.67	
			<i>For 10" WG (Class A), Add</i>	252.53	
			<i>For Work In Restricted Working Space, Add</i>	164.69	
23 31 13	13-0797	LF	70" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	621.79	334.09
			<i>For 3" WG (Class B), Add</i>	83.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	178.18	
			<i>For 10" WG (Class A), Add</i>	256.14	
			<i>For Work In Restricted Working Space, Add</i>	167.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0798 LF 70" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	630.55	338.79
<i>For 3" WG (Class B), Add</i>	84.70	
<i>For 4" Or 6" WG (Class A), Add</i>	180.69	
<i>For 10" WG (Class A), Add</i>	259.74	
<i>For Work In Restricted Working Space, Add</i>	169.40	
23 31 13 13-0799 LF 70" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	639.30	343.51
<i>For 3" WG (Class B), Add</i>	85.88	
<i>For 4" Or 6" WG (Class A), Add</i>	183.20	
<i>For 10" WG (Class A), Add</i>	263.35	
<i>For Work In Restricted Working Space, Add</i>	171.75	
23 31 13 13-0800 LF 70" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	648.06	348.20
<i>For 3" WG (Class B), Add</i>	87.05	
<i>For 4" Or 6" WG (Class A), Add</i>	185.71	
<i>For 10" WG (Class A), Add</i>	266.96	
<i>For Work In Restricted Working Space, Add</i>	174.10	
23 31 13 13-0801 LF 70" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	656.80	352.91
<i>For 3" WG (Class B), Add</i>	88.23	
<i>For 4" Or 6" WG (Class A), Add</i>	188.22	
<i>For 10" WG (Class A), Add</i>	270.56	
<i>For Work In Restricted Working Space, Add</i>	176.45	
23 31 13 13-0802 LF 70" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	665.58	357.62
<i>For 3" WG (Class B), Add</i>	89.41	
<i>For 4" Or 6" WG (Class A), Add</i>	190.73	
<i>For 10" WG (Class A), Add</i>	274.18	
<i>For Work In Restricted Working Space, Add</i>	178.81	
23 31 13 13-0803 LF 70" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	674.33	362.33
<i>For 3" WG (Class B), Add</i>	90.58	
<i>For 4" Or 6" WG (Class A), Add</i>	193.24	
<i>For 10" WG (Class A), Add</i>	277.78	
<i>For Work In Restricted Working Space, Add</i>	181.16	
23 31 13 13-0804 LF 72" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	630.55	338.79
<i>For 3" WG (Class B), Add</i>	84.70	
<i>For 4" Or 6" WG (Class A), Add</i>	180.69	
<i>For 10" WG (Class A), Add</i>	259.74	
<i>For Work In Restricted Working Space, Add</i>	169.40	
23 31 13 13-0805 LF 72" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	639.30	343.51
<i>For 3" WG (Class B), Add</i>	85.88	
<i>For 4" Or 6" WG (Class A), Add</i>	183.20	
<i>For 10" WG (Class A), Add</i>	263.35	
<i>For Work In Restricted Working Space, Add</i>	171.75	
23 31 13 13-0806 LF 72" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	648.06	348.20
<i>For 3" WG (Class B), Add</i>	87.05	
<i>For 4" Or 6" WG (Class A), Add</i>	185.71	
<i>For 10" WG (Class A), Add</i>	266.96	
<i>For Work In Restricted Working Space, Add</i>	174.10	
23 31 13 13-0807 LF 72" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	656.80	352.91
<i>For 3" WG (Class B), Add</i>	88.23	
<i>For 4" Or 6" WG (Class A), Add</i>	188.22	
<i>For 10" WG (Class A), Add</i>	270.56	
<i>For Work In Restricted Working Space, Add</i>	176.45	
23 31 13 13-0808 LF 72" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	665.58	357.62
<i>For 3" WG (Class B), Add</i>	89.41	
<i>For 4" Or 6" WG (Class A), Add</i>	190.73	
<i>For 10" WG (Class A), Add</i>	274.18	
<i>For Work In Restricted Working Space, Add</i>	178.81	
23 31 13 13-0809 LF 72" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	674.33	362.33
<i>For 3" WG (Class B), Add</i>	90.58	
<i>For 4" Or 6" WG (Class A), Add</i>	193.24	
<i>For 10" WG (Class A), Add</i>	277.78	
<i>For Work In Restricted Working Space, Add</i>	181.16	
23 31 13 13-0810 LF 72" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	683.09	367.02
<i>For 3" WG (Class B), Add</i>	91.76	
<i>For 4" Or 6" WG (Class A), Add</i>	195.75	
<i>For 10" WG (Class A), Add</i>	281.39	
<i>For Work In Restricted Working Space, Add</i>	183.52	
23 31 13 13-0811 LF 74" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	648.06	348.20
<i>For 3" WG (Class B), Add</i>	87.05	
<i>For 4" Or 6" WG (Class A), Add</i>	185.71	
<i>For 10" WG (Class A), Add</i>	266.96	
<i>For Work In Restricted Working Space, Add</i>	174.10	
23 31 13 13-0812 LF 74" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	656.80	352.91
<i>For 3" WG (Class B), Add</i>	88.23	
<i>For 4" Or 6" WG (Class A), Add</i>	188.22	
<i>For 10" WG (Class A), Add</i>	270.56	
<i>For Work In Restricted Working Space, Add</i>	176.45	
23 31 13 13-0813 LF 74" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	665.58	357.62
<i>For 3" WG (Class B), Add</i>	89.41	
<i>For 4" Or 6" WG (Class A), Add</i>	190.73	
<i>For 10" WG (Class A), Add</i>	274.18	
<i>For Work In Restricted Working Space, Add</i>	178.81	
23 31 13 13-0814 LF 74" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork	674.33	362.33
<i>For 3" WG (Class B), Add</i>	90.58	
<i>For 4" Or 6" WG (Class A), Add</i>	193.24	
<i>For 10" WG (Class A), Add</i>	277.78	
<i>For Work In Restricted Working Space, Add</i>	181.16	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0815	LF	74" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	683.09	367.02
			<i>For 3" WG (Class B), Add</i>	91.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	195.75	
			<i>For 10" WG (Class A), Add</i>	281.39	
			<i>For Work In Restricted Working Space, Add</i>	183.52	
23 31 13	13-0816	LF	74" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	691.85	371.74
			<i>For 3" WG (Class B), Add</i>	92.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	198.26	
			<i>For 10" WG (Class A), Add</i>	285.00	
			<i>For Work In Restricted Working Space, Add</i>	185.87	
23 31 13	13-0817	LF	76" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	665.58	357.62
			<i>For 3" WG (Class B), Add</i>	89.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	190.73	
			<i>For 10" WG (Class A), Add</i>	274.18	
			<i>For Work In Restricted Working Space, Add</i>	178.81	
23 31 13	13-0818	LF	76" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	674.33	362.33
			<i>For 3" WG (Class B), Add</i>	90.58	
			<i>For 4" Or 6" WG (Class A), Add</i>	193.24	
			<i>For 10" WG (Class A), Add</i>	277.78	
			<i>For Work In Restricted Working Space, Add</i>	181.16	
23 31 13	13-0819	LF	76" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	683.09	367.02
			<i>For 3" WG (Class B), Add</i>	91.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	195.75	
			<i>For 10" WG (Class A), Add</i>	281.39	
			<i>For Work In Restricted Working Space, Add</i>	183.52	
23 31 13	13-0820	LF	76" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	691.85	371.74
			<i>For 3" WG (Class B), Add</i>	92.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	198.26	
			<i>For 10" WG (Class A), Add</i>	285.00	
			<i>For Work In Restricted Working Space, Add</i>	185.87	
23 31 13	13-0821	LF	76" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	700.59	376.44
			<i>For 3" WG (Class B), Add</i>	94.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	200.77	
			<i>For 10" WG (Class A), Add</i>	288.60	
			<i>For Work In Restricted Working Space, Add</i>	188.22	
23 31 13	13-0822	LF	78" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	683.09	367.02
			<i>For 3" WG (Class B), Add</i>	91.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	195.75	
			<i>For 10" WG (Class A), Add</i>	281.39	
			<i>For Work In Restricted Working Space, Add</i>	183.52	
23 31 13	13-0823	LF	78" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	691.85	371.74
			<i>For 3" WG (Class B), Add</i>	92.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	198.26	
			<i>For 10" WG (Class A), Add</i>	285.00	
			<i>For Work In Restricted Working Space, Add</i>	185.87	
23 31 13	13-0824	LF	78" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	700.59	376.44
			<i>For 3" WG (Class B), Add</i>	94.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	200.77	
			<i>For 10" WG (Class A), Add</i>	288.60	
			<i>For Work In Restricted Working Space, Add</i>	188.22	
23 31 13	13-0825	LF	78" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	709.36	381.14
			<i>For 3" WG (Class B), Add</i>	95.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	203.28	
			<i>For 10" WG (Class A), Add</i>	292.21	
			<i>For Work In Restricted Working Space, Add</i>	190.57	
23 31 13	13-0826	LF	80" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	700.59	376.44
			<i>For 3" WG (Class B), Add</i>	94.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	200.77	
			<i>For 10" WG (Class A), Add</i>	288.60	
			<i>For Work In Restricted Working Space, Add</i>	188.22	
23 31 13	13-0827	LF	80" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	709.36	381.14
			<i>For 3" WG (Class B), Add</i>	95.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	203.28	
			<i>For 10" WG (Class A), Add</i>	292.21	
			<i>For Work In Restricted Working Space, Add</i>	190.57	
23 31 13	13-0828	LF	80" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	718.12	385.85
			<i>For 3" WG (Class B), Add</i>	96.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	205.79	
			<i>For 10" WG (Class A), Add</i>	295.82	
			<i>For Work In Restricted Working Space, Add</i>	192.92	
23 31 13	13-0829	LF	82" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	718.12	385.85
			<i>For 3" WG (Class B), Add</i>	96.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	205.79	
			<i>For 10" WG (Class A), Add</i>	295.82	
			<i>For Work In Restricted Working Space, Add</i>	192.92	
23 31 13	13-0830	LF	82" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	726.87	390.56
			<i>For 3" WG (Class B), Add</i>	97.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	208.30	
			<i>For 10" WG (Class A), Add</i>	299.43	
			<i>For Work In Restricted Working Space, Add</i>	195.28	
23 31 13	13-0831	LF	84" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	735.63	395.25
			<i>For 3" WG (Class B), Add</i>	98.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	210.81	
			<i>For 10" WG (Class A), Add</i>	303.03	
			<i>For Work In Restricted Working Space, Add</i>	197.63	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13	13-0832		18 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13	13	13-0833	LF	4" x 4", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	45.62	24.50
				For 3" WG (Class B), Add	6.13	
				For 4" Or 6" WG (Class A), Add	13.07	
				For 10" WG (Class A), Add	18.79	
				For Work In Restricted Working Space, Add	12.26	
23 31 13	13	13-0834	LF	4" x 6", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.01	30.63
				For 3" WG (Class B), Add	7.66	
				For 4" Or 6" WG (Class A), Add	16.34	
				For 10" WG (Class A), Add	23.48	
				For Work In Restricted Working Space, Add	15.32	
23 31 13	13	13-0835	LF	4" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.40	36.76
				For 3" WG (Class B), Add	9.19	
				For 4" Or 6" WG (Class A), Add	19.60	
				For 10" WG (Class A), Add	28.18	
				For Work In Restricted Working Space, Add	18.38	
23 31 13	13	13-0836	LF	4" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.80	42.88
				For 3" WG (Class B), Add	10.72	
				For 4" Or 6" WG (Class A), Add	22.87	
				For 10" WG (Class A), Add	32.88	
				For Work In Restricted Working Space, Add	21.44	
23 31 13	13	13-0837	LF	4" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	91.22	49.02
				For 3" WG (Class B), Add	12.25	
				For 4" Or 6" WG (Class A), Add	26.14	
				For 10" WG (Class A), Add	37.57	
				For Work In Restricted Working Space, Add	24.50	
23 31 13	13	13-0838	LF	4" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.61	55.14
				For 3" WG (Class B), Add	13.78	
				For 4" Or 6" WG (Class A), Add	29.40	
				For 10" WG (Class A), Add	42.27	
				For Work In Restricted Working Space, Add	27.57	
23 31 13	13	13-0839	LF	4" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.02	61.26
				For 3" WG (Class B), Add	15.32	
				For 4" Or 6" WG (Class A), Add	32.68	
				For 10" WG (Class A), Add	46.97	
				For Work In Restricted Working Space, Add	30.63	
23 31 13	13	13-0840	LF	6" x 6", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.40	36.76
				For 3" WG (Class B), Add	9.19	
				For 4" Or 6" WG (Class A), Add	19.60	
				For 10" WG (Class A), Add	28.18	
				For Work In Restricted Working Space, Add	18.38	
23 31 13	13	13-0841	LF	6" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.80	42.88
				For 3" WG (Class B), Add	10.72	
				For 4" Or 6" WG (Class A), Add	22.87	
				For 10" WG (Class A), Add	32.88	
				For Work In Restricted Working Space, Add	21.44	
23 31 13	13	13-0842	LF	6" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	91.22	49.02
				For 3" WG (Class B), Add	12.25	
				For 4" Or 6" WG (Class A), Add	26.14	
				For 10" WG (Class A), Add	37.57	
				For Work In Restricted Working Space, Add	24.50	
23 31 13	13	13-0843	LF	6" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.61	55.14
				For 3" WG (Class B), Add	13.78	
				For 4" Or 6" WG (Class A), Add	29.40	
				For 10" WG (Class A), Add	42.27	
				For Work In Restricted Working Space, Add	27.57	
23 31 13	13	13-0844	LF	6" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.02	61.26
				For 3" WG (Class B), Add	15.32	
				For 4" Or 6" WG (Class A), Add	32.68	
				For 10" WG (Class A), Add	46.97	
				For Work In Restricted Working Space, Add	30.63	
23 31 13	13	13-0845	LF	6" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	125.42	67.39
				For 3" WG (Class B), Add	16.85	
				For 4" Or 6" WG (Class A), Add	35.94	
				For 10" WG (Class A), Add	51.67	
				For Work In Restricted Working Space, Add	33.70	
23 31 13	13	13-0846	LF	8" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	91.22	49.02
				For 3" WG (Class B), Add	12.25	
				For 4" Or 6" WG (Class A), Add	26.14	
				For 10" WG (Class A), Add	37.57	
				For Work In Restricted Working Space, Add	24.50	
23 31 13	13	13-0847	LF	8" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.61	55.14
				For 3" WG (Class B), Add	13.78	
				For 4" Or 6" WG (Class A), Add	29.40	
				For 10" WG (Class A), Add	42.27	
				For Work In Restricted Working Space, Add	27.57	
23 31 13	13	13-0848	LF	8" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.02	61.26
				For 3" WG (Class B), Add	15.32	
				For 4" Or 6" WG (Class A), Add	32.68	
				For 10" WG (Class A), Add	46.97	
				For Work In Restricted Working Space, Add	30.63	
23 31 13	13	13-0849	LF	8" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	125.42	67.39
				For 3" WG (Class B), Add	16.85	
				For 4" Or 6" WG (Class A), Add	35.94	
				For 10" WG (Class A), Add	51.67	
				For Work In Restricted Working Space, Add	33.70	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0850	LF	8" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.82	73.51
			<i>For 3" WG (Class B), Add</i>	18.38	
			<i>For 4" Or 6" WG (Class A), Add</i>	39.21	
			<i>For 10" WG (Class A), Add</i>	56.36	
			<i>For Work In Restricted Working Space, Add</i>	36.76	
23 31 13	13-0851	LF	8" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	148.22	79.63
			<i>For 3" WG (Class B), Add</i>	19.91	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.47	
			<i>For 10" WG (Class A), Add</i>	61.06	
			<i>For Work In Restricted Working Space, Add</i>	39.82	
23 31 13	13-0852	LF	8" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.62	85.77
			<i>For 3" WG (Class B), Add</i>	21.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	45.74	
			<i>For 10" WG (Class A), Add</i>	65.75	
			<i>For Work In Restricted Working Space, Add</i>	42.88	
23 31 13	13-0853	LF	8" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	171.03	91.89
			<i>For 3" WG (Class B), Add</i>	22.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.01	
			<i>For 10" WG (Class A), Add</i>	70.45	
			<i>For Work In Restricted Working Space, Add</i>	45.95	
23 31 13	13-0854	LF	8" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	182.42	98.02
			<i>For 3" WG (Class B), Add</i>	24.50	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.28	
			<i>For 10" WG (Class A), Add</i>	75.15	
			<i>For Work In Restricted Working Space, Add</i>	49.01	
23 31 13	13-0855	LF	10" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.02	61.26
			<i>For 3" WG (Class B), Add</i>	15.32	
			<i>For 4" Or 6" WG (Class A), Add</i>	32.68	
			<i>For 10" WG (Class A), Add</i>	46.97	
			<i>For Work In Restricted Working Space, Add</i>	30.63	
23 31 13	13-0856	LF	10" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	125.42	67.39
			<i>For 3" WG (Class B), Add</i>	16.85	
			<i>For 4" Or 6" WG (Class A), Add</i>	35.94	
			<i>For 10" WG (Class A), Add</i>	51.67	
			<i>For Work In Restricted Working Space, Add</i>	33.70	
23 31 13	13-0857	LF	10" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.82	73.51
			<i>For 3" WG (Class B), Add</i>	18.38	
			<i>For 4" Or 6" WG (Class A), Add</i>	39.21	
			<i>For 10" WG (Class A), Add</i>	56.36	
			<i>For Work In Restricted Working Space, Add</i>	36.76	
23 31 13	13-0858	LF	10" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	148.22	79.63
			<i>For 3" WG (Class B), Add</i>	19.91	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.47	
			<i>For 10" WG (Class A), Add</i>	61.06	
			<i>For Work In Restricted Working Space, Add</i>	39.82	
23 31 13	13-0859	LF	10" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.62	85.77
			<i>For 3" WG (Class B), Add</i>	21.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	45.74	
			<i>For 10" WG (Class A), Add</i>	65.75	
			<i>For Work In Restricted Working Space, Add</i>	42.88	
23 31 13	13-0860	LF	10" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	171.03	91.89
			<i>For 3" WG (Class B), Add</i>	22.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	49.01	
			<i>For 10" WG (Class A), Add</i>	70.45	
			<i>For Work In Restricted Working Space, Add</i>	45.95	
23 31 13	13-0861	LF	10" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	182.42	98.02
			<i>For 3" WG (Class B), Add</i>	24.50	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.28	
			<i>For 10" WG (Class A), Add</i>	75.15	
			<i>For Work In Restricted Working Space, Add</i>	49.01	
23 31 13	13-0862	LF	10" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	193.82	104.15
			<i>For 3" WG (Class B), Add</i>	26.04	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.55	
			<i>For 10" WG (Class A), Add</i>	79.85	
			<i>For Work In Restricted Working Space, Add</i>	52.07	
23 31 13	13-0863	LF	10" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	205.24	110.27
			<i>For 3" WG (Class B), Add</i>	27.57	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.81	
			<i>For 10" WG (Class A), Add</i>	84.54	
			<i>For Work In Restricted Working Space, Add</i>	55.14	
23 31 13	13-0864	LF	10" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.64	116.41
			<i>For 3" WG (Class B), Add</i>	29.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	62.08	
			<i>For 10" WG (Class A), Add</i>	89.24	
			<i>For Work In Restricted Working Space, Add</i>	58.20	
23 31 13	13-0865	LF	10" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	228.04	122.53
			<i>For 3" WG (Class B), Add</i>	30.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	65.35	
			<i>For 10" WG (Class A), Add</i>	93.94	
			<i>For Work In Restricted Working Space, Add</i>	61.26	
23 31 13	13-0866	LF	10" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.43	128.65
			<i>For 3" WG (Class B), Add</i>	32.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.61	
			<i>For 10" WG (Class A), Add</i>	98.63	
			<i>For Work In Restricted Working Space, Add</i>	64.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0867 LF 12" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	136.82	73.51
<i>For 3" WG (Class B), Add</i>	18.38	
<i>For 4" Or 6" WG (Class A), Add</i>	39.21	
<i>For 10" WG (Class A), Add</i>	56.36	
<i>For Work In Restricted Working Space, Add</i>	36.76	
23 31 13 13-0868 LF 12" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	148.22	79.63
<i>For 3" WG (Class B), Add</i>	19.91	
<i>For 4" Or 6" WG (Class A), Add</i>	42.47	
<i>For 10" WG (Class A), Add</i>	61.06	
<i>For Work In Restricted Working Space, Add</i>	39.82	
23 31 13 13-0869 LF 12" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	159.62	85.77
<i>For 3" WG (Class B), Add</i>	21.44	
<i>For 4" Or 6" WG (Class A), Add</i>	45.74	
<i>For 10" WG (Class A), Add</i>	65.75	
<i>For Work In Restricted Working Space, Add</i>	42.88	
23 31 13 13-0870 LF 12" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	171.03	91.89
<i>For 3" WG (Class B), Add</i>	22.97	
<i>For 4" Or 6" WG (Class A), Add</i>	49.01	
<i>For 10" WG (Class A), Add</i>	70.45	
<i>For Work In Restricted Working Space, Add</i>	45.95	
23 31 13 13-0871 LF 12" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	182.42	98.02
<i>For 3" WG (Class B), Add</i>	24.50	
<i>For 4" Or 6" WG (Class A), Add</i>	52.28	
<i>For 10" WG (Class A), Add</i>	75.15	
<i>For Work In Restricted Working Space, Add</i>	49.01	
23 31 13 13-0872 LF 12" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	193.82	104.15
<i>For 3" WG (Class B), Add</i>	26.04	
<i>For 4" Or 6" WG (Class A), Add</i>	55.55	
<i>For 10" WG (Class A), Add</i>	79.85	
<i>For Work In Restricted Working Space, Add</i>	52.07	
23 31 13 13-0873 LF 12" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	205.24	110.27
<i>For 3" WG (Class B), Add</i>	27.57	
<i>For 4" Or 6" WG (Class A), Add</i>	58.81	
<i>For 10" WG (Class A), Add</i>	84.54	
<i>For Work In Restricted Working Space, Add</i>	55.14	
23 31 13 13-0874 LF 12" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	216.64	116.41
<i>For 3" WG (Class B), Add</i>	29.10	
<i>For 4" Or 6" WG (Class A), Add</i>	62.08	
<i>For 10" WG (Class A), Add</i>	89.24	
<i>For Work In Restricted Working Space, Add</i>	58.20	
23 31 13 13-0875 LF 12" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	228.04	122.53
<i>For 3" WG (Class B), Add</i>	30.63	
<i>For 4" Or 6" WG (Class A), Add</i>	65.35	
<i>For 10" WG (Class A), Add</i>	93.94	
<i>For Work In Restricted Working Space, Add</i>	61.26	
23 31 13 13-0876 LF 12" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	239.43	128.65
<i>For 3" WG (Class B), Add</i>	32.16	
<i>For 4" Or 6" WG (Class A), Add</i>	68.61	
<i>For 10" WG (Class A), Add</i>	98.63	
<i>For Work In Restricted Working Space, Add</i>	64.33	
23 31 13 13-0877 LF 12" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	250.82	134.78
<i>For 3" WG (Class B), Add</i>	33.69	
<i>For 4" Or 6" WG (Class A), Add</i>	71.88	
<i>For 10" WG (Class A), Add</i>	103.33	
<i>For Work In Restricted Working Space, Add</i>	67.39	
23 31 13 13-0878 LF 12" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	262.25	140.90
<i>For 3" WG (Class B), Add</i>	35.23	
<i>For 4" Or 6" WG (Class A), Add</i>	75.15	
<i>For 10" WG (Class A), Add</i>	108.03	
<i>For Work In Restricted Working Space, Add</i>	70.45	
23 31 13 13-0879 LF 12" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	273.65	147.02
<i>For 3" WG (Class B), Add</i>	36.76	
<i>For 4" Or 6" WG (Class A), Add</i>	78.42	
<i>For 10" WG (Class A), Add</i>	112.73	
<i>For Work In Restricted Working Space, Add</i>	73.52	
23 31 13 13-0880 LF 14" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	159.62	85.77
<i>For 3" WG (Class B), Add</i>	21.44	
<i>For 4" Or 6" WG (Class A), Add</i>	45.74	
<i>For 10" WG (Class A), Add</i>	65.75	
<i>For Work In Restricted Working Space, Add</i>	42.88	
23 31 13 13-0881 LF 14" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	171.03	91.89
<i>For 3" WG (Class B), Add</i>	22.97	
<i>For 4" Or 6" WG (Class A), Add</i>	49.01	
<i>For 10" WG (Class A), Add</i>	70.45	
<i>For Work In Restricted Working Space, Add</i>	45.95	
23 31 13 13-0882 LF 14" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	182.42	98.02
<i>For 3" WG (Class B), Add</i>	24.50	
<i>For 4" Or 6" WG (Class A), Add</i>	52.28	
<i>For 10" WG (Class A), Add</i>	75.15	
<i>For Work In Restricted Working Space, Add</i>	49.01	
23 31 13 13-0883 LF 14" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	193.82	104.15
<i>For 3" WG (Class B), Add</i>	26.04	
<i>For 4" Or 6" WG (Class A), Add</i>	55.55	
<i>For 10" WG (Class A), Add</i>	79.85	
<i>For Work In Restricted Working Space, Add</i>	52.07	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0884	LF	14" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	205.24	110.27
			<i>For 3" WG (Class B), Add</i>	27.57	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.81	
			<i>For 10" WG (Class A), Add</i>	84.54	
			<i>For Work In Restricted Working Space, Add</i>	55.14	
23 31 13	13-0885	LF	14" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.64	116.41
			<i>For 3" WG (Class B), Add</i>	29.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	62.08	
			<i>For 10" WG (Class A), Add</i>	89.24	
			<i>For Work In Restricted Working Space, Add</i>	58.20	
23 31 13	13-0886	LF	14" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	228.04	122.53
			<i>For 3" WG (Class B), Add</i>	30.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	65.35	
			<i>For 10" WG (Class A), Add</i>	93.94	
			<i>For Work In Restricted Working Space, Add</i>	61.26	
23 31 13	13-0887	LF	14" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.43	128.65
			<i>For 3" WG (Class B), Add</i>	32.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.61	
			<i>For 10" WG (Class A), Add</i>	98.63	
			<i>For Work In Restricted Working Space, Add</i>	64.33	
23 31 13	13-0888	LF	14" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	250.82	134.78
			<i>For 3" WG (Class B), Add</i>	33.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	71.88	
			<i>For 10" WG (Class A), Add</i>	103.33	
			<i>For Work In Restricted Working Space, Add</i>	67.39	
23 31 13	13-0889	LF	14" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	262.25	140.90
			<i>For 3" WG (Class B), Add</i>	35.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	75.15	
			<i>For 10" WG (Class A), Add</i>	108.03	
			<i>For Work In Restricted Working Space, Add</i>	70.45	
23 31 13	13-0890	LF	14" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	273.65	147.02
			<i>For 3" WG (Class B), Add</i>	36.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.42	
			<i>For 10" WG (Class A), Add</i>	112.73	
			<i>For Work In Restricted Working Space, Add</i>	73.52	
23 31 13	13-0891	LF	14" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	285.04	153.16
			<i>For 3" WG (Class B), Add</i>	38.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	81.68	
			<i>For 10" WG (Class A), Add</i>	117.42	
			<i>For Work In Restricted Working Space, Add</i>	76.58	
23 31 13	13-0892	LF	16" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	182.42	98.02
			<i>For 3" WG (Class B), Add</i>	24.50	
			<i>For 4" Or 6" WG (Class A), Add</i>	52.28	
			<i>For 10" WG (Class A), Add</i>	75.15	
			<i>For Work In Restricted Working Space, Add</i>	49.01	
23 31 13	13-0893	LF	16" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	193.82	104.15
			<i>For 3" WG (Class B), Add</i>	26.04	
			<i>For 4" Or 6" WG (Class A), Add</i>	55.55	
			<i>For 10" WG (Class A), Add</i>	79.85	
			<i>For Work In Restricted Working Space, Add</i>	52.07	
23 31 13	13-0894	LF	16" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	205.24	110.27
			<i>For 3" WG (Class B), Add</i>	27.57	
			<i>For 4" Or 6" WG (Class A), Add</i>	58.81	
			<i>For 10" WG (Class A), Add</i>	84.54	
			<i>For Work In Restricted Working Space, Add</i>	55.14	
23 31 13	13-0895	LF	16" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	216.64	116.41
			<i>For 3" WG (Class B), Add</i>	29.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	62.08	
			<i>For 10" WG (Class A), Add</i>	89.24	
			<i>For Work In Restricted Working Space, Add</i>	58.20	
23 31 13	13-0896	LF	16" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	228.04	122.53
			<i>For 3" WG (Class B), Add</i>	30.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	65.35	
			<i>For 10" WG (Class A), Add</i>	93.94	
			<i>For Work In Restricted Working Space, Add</i>	61.26	
23 31 13	13-0897	LF	16" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.43	128.65
			<i>For 3" WG (Class B), Add</i>	32.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.61	
			<i>For 10" WG (Class A), Add</i>	98.63	
			<i>For Work In Restricted Working Space, Add</i>	64.33	
23 31 13	13-0898	LF	16" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	250.82	134.78
			<i>For 3" WG (Class B), Add</i>	33.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	71.88	
			<i>For 10" WG (Class A), Add</i>	103.33	
			<i>For Work In Restricted Working Space, Add</i>	67.39	
23 31 13	13-0899	LF	16" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	262.25	140.90
			<i>For 3" WG (Class B), Add</i>	35.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	75.15	
			<i>For 10" WG (Class A), Add</i>	108.03	
			<i>For Work In Restricted Working Space, Add</i>	70.45	
23 31 13	13-0900	LF	16" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	273.65	147.02
			<i>For 3" WG (Class B), Add</i>	36.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.42	
			<i>For 10" WG (Class A), Add</i>	112.73	
			<i>For Work In Restricted Working Space, Add</i>	73.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0901 LF 16" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	285.04	153.16
<i>For 3" WG (Class B), Add</i>	38.29	
<i>For 4" Or 6" WG (Class A), Add</i>	81.68	
<i>For 10" WG (Class A), Add</i>	117.42	
<i>For Work In Restricted Working Space, Add</i>	76.58	
23 31 13 13-0902 LF 16" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	296.44	159.28
<i>For 3" WG (Class B), Add</i>	39.82	
<i>For 4" Or 6" WG (Class A), Add</i>	84.95	
<i>For 10" WG (Class A), Add</i>	122.12	
<i>For Work In Restricted Working Space, Add</i>	79.64	
23 31 13 13-0903 LF 16" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	307.84	165.40
<i>For 3" WG (Class B), Add</i>	41.35	
<i>For 4" Or 6" WG (Class A), Add</i>	88.22	
<i>For 10" WG (Class A), Add</i>	126.81	
<i>For Work In Restricted Working Space, Add</i>	82.70	
23 31 13 13-0904 LF 16" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	319.25	171.54
<i>For 3" WG (Class B), Add</i>	42.88	
<i>For 4" Or 6" WG (Class A), Add</i>	91.48	
<i>For 10" WG (Class A), Add</i>	131.51	
<i>For Work In Restricted Working Space, Add</i>	85.77	
23 31 13 13-0905 LF 16" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	330.65	177.66
<i>For 3" WG (Class B), Add</i>	44.42	
<i>For 4" Or 6" WG (Class A), Add</i>	94.75	
<i>For 10" WG (Class A), Add</i>	136.21	
<i>For Work In Restricted Working Space, Add</i>	88.83	
23 31 13 13-0906 LF 16" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	342.05	183.79
<i>For 3" WG (Class B), Add</i>	45.95	
<i>For 4" Or 6" WG (Class A), Add</i>	98.02	
<i>For 10" WG (Class A), Add</i>	140.90	
<i>For Work In Restricted Working Space, Add</i>	91.89	
23 31 13 13-0907 LF 18" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	205.24	110.27
<i>For 3" WG (Class B), Add</i>	27.57	
<i>For 4" Or 6" WG (Class A), Add</i>	58.81	
<i>For 10" WG (Class A), Add</i>	84.54	
<i>For Work In Restricted Working Space, Add</i>	55.14	
23 31 13 13-0908 LF 18" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	216.64	116.41
<i>For 3" WG (Class B), Add</i>	29.10	
<i>For 4" Or 6" WG (Class A), Add</i>	62.08	
<i>For 10" WG (Class A), Add</i>	89.24	
<i>For Work In Restricted Working Space, Add</i>	58.20	
23 31 13 13-0909 LF 18" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	228.04	122.53
<i>For 3" WG (Class B), Add</i>	30.63	
<i>For 4" Or 6" WG (Class A), Add</i>	65.35	
<i>For 10" WG (Class A), Add</i>	93.94	
<i>For Work In Restricted Working Space, Add</i>	61.26	
23 31 13 13-0910 LF 18" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	239.43	128.65
<i>For 3" WG (Class B), Add</i>	32.16	
<i>For 4" Or 6" WG (Class A), Add</i>	68.61	
<i>For 10" WG (Class A), Add</i>	98.63	
<i>For Work In Restricted Working Space, Add</i>	64.33	
23 31 13 13-0911 LF 18" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	250.82	134.78
<i>For 3" WG (Class B), Add</i>	33.69	
<i>For 4" Or 6" WG (Class A), Add</i>	71.88	
<i>For 10" WG (Class A), Add</i>	103.33	
<i>For Work In Restricted Working Space, Add</i>	67.39	
23 31 13 13-0912 LF 18" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	262.25	140.90
<i>For 3" WG (Class B), Add</i>	35.23	
<i>For 4" Or 6" WG (Class A), Add</i>	75.15	
<i>For 10" WG (Class A), Add</i>	108.03	
<i>For Work In Restricted Working Space, Add</i>	70.45	
23 31 13 13-0913 LF 18" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	273.65	147.02
<i>For 3" WG (Class B), Add</i>	36.76	
<i>For 4" Or 6" WG (Class A), Add</i>	78.42	
<i>For 10" WG (Class A), Add</i>	112.73	
<i>For Work In Restricted Working Space, Add</i>	73.52	
23 31 13 13-0914 LF 18" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	285.04	153.16
<i>For 3" WG (Class B), Add</i>	38.29	
<i>For 4" Or 6" WG (Class A), Add</i>	81.68	
<i>For 10" WG (Class A), Add</i>	117.42	
<i>For Work In Restricted Working Space, Add</i>	76.58	
23 31 13 13-0915 LF 18" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	296.44	159.28
<i>For 3" WG (Class B), Add</i>	39.82	
<i>For 4" Or 6" WG (Class A), Add</i>	84.95	
<i>For 10" WG (Class A), Add</i>	122.12	
<i>For Work In Restricted Working Space, Add</i>	79.64	
23 31 13 13-0916 LF 18" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	307.84	165.40
<i>For 3" WG (Class B), Add</i>	41.35	
<i>For 4" Or 6" WG (Class A), Add</i>	88.22	
<i>For 10" WG (Class A), Add</i>	126.81	
<i>For Work In Restricted Working Space, Add</i>	82.70	
23 31 13 13-0917 LF 18" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	319.25	171.54
<i>For 3" WG (Class B), Add</i>	42.88	
<i>For 4" Or 6" WG (Class A), Add</i>	91.48	
<i>For 10" WG (Class A), Add</i>	131.51	
<i>For Work In Restricted Working Space, Add</i>	85.77	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0918	LF	18" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	330.65	177.66
			<i>For 3" WG (Class B), Add</i>	44.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	94.75	
			<i>For 10" WG (Class A), Add</i>	136.21	
			<i>For Work In Restricted Working Space, Add</i>	88.83	
23 31 13	13-0919	LF	18" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	342.05	183.79
			<i>For 3" WG (Class B), Add</i>	45.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	98.02	
			<i>For 10" WG (Class A), Add</i>	140.90	
			<i>For Work In Restricted Working Space, Add</i>	91.89	
23 31 13	13-0920	LF	18" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	353.46	189.92
			<i>For 3" WG (Class B), Add</i>	47.48	
			<i>For 4" Or 6" WG (Class A), Add</i>	101.29	
			<i>For 10" WG (Class A), Add</i>	145.60	
			<i>For Work In Restricted Working Space, Add</i>	94.96	
23 31 13	13-0921	LF	18" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	364.87	196.04
			<i>For 3" WG (Class B), Add</i>	49.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	104.56	
			<i>For 10" WG (Class A), Add</i>	150.30	
			<i>For Work In Restricted Working Space, Add</i>	98.02	
23 31 13	13-0922	LF	20" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	228.04	122.53
			<i>For 3" WG (Class B), Add</i>	30.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	65.35	
			<i>For 10" WG (Class A), Add</i>	93.94	
			<i>For Work In Restricted Working Space, Add</i>	61.26	
23 31 13	13-0923	LF	20" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.43	128.65
			<i>For 3" WG (Class B), Add</i>	32.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	68.61	
			<i>For 10" WG (Class A), Add</i>	98.63	
			<i>For Work In Restricted Working Space, Add</i>	64.33	
23 31 13	13-0924	LF	20" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	250.82	134.78
			<i>For 3" WG (Class B), Add</i>	33.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	71.88	
			<i>For 10" WG (Class A), Add</i>	103.33	
			<i>For Work In Restricted Working Space, Add</i>	67.39	
23 31 13	13-0925	LF	20" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	262.25	140.90
			<i>For 3" WG (Class B), Add</i>	35.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	75.15	
			<i>For 10" WG (Class A), Add</i>	108.03	
			<i>For Work In Restricted Working Space, Add</i>	70.45	
23 31 13	13-0926	LF	20" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	273.65	147.02
			<i>For 3" WG (Class B), Add</i>	36.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	78.42	
			<i>For 10" WG (Class A), Add</i>	112.73	
			<i>For Work In Restricted Working Space, Add</i>	73.52	
23 31 13	13-0927	LF	20" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	285.04	153.16
			<i>For 3" WG (Class B), Add</i>	38.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	81.68	
			<i>For 10" WG (Class A), Add</i>	117.42	
			<i>For Work In Restricted Working Space, Add</i>	76.58	
23 31 13	13-0928	LF	20" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.44	159.28
			<i>For 3" WG (Class B), Add</i>	39.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.95	
			<i>For 10" WG (Class A), Add</i>	122.12	
			<i>For Work In Restricted Working Space, Add</i>	79.64	
23 31 13	13-0929	LF	20" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	307.84	165.40
			<i>For 3" WG (Class B), Add</i>	41.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	88.22	
			<i>For 10" WG (Class A), Add</i>	126.81	
			<i>For Work In Restricted Working Space, Add</i>	82.70	
23 31 13	13-0930	LF	20" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.25	171.54
			<i>For 3" WG (Class B), Add</i>	42.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	91.48	
			<i>For 10" WG (Class A), Add</i>	131.51	
			<i>For Work In Restricted Working Space, Add</i>	85.77	
23 31 13	13-0931	LF	20" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	330.65	177.66
			<i>For 3" WG (Class B), Add</i>	44.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	94.75	
			<i>For 10" WG (Class A), Add</i>	136.21	
			<i>For Work In Restricted Working Space, Add</i>	88.83	
23 31 13	13-0932	LF	20" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	342.05	183.79
			<i>For 3" WG (Class B), Add</i>	45.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	98.02	
			<i>For 10" WG (Class A), Add</i>	140.90	
			<i>For Work In Restricted Working Space, Add</i>	91.89	
23 31 13	13-0933	LF	20" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	353.46	189.92
			<i>For 3" WG (Class B), Add</i>	47.48	
			<i>For 4" Or 6" WG (Class A), Add</i>	101.29	
			<i>For 10" WG (Class A), Add</i>	145.60	
			<i>For Work In Restricted Working Space, Add</i>	94.96	
23 31 13	13-0934	LF	20" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	364.87	196.04
			<i>For 3" WG (Class B), Add</i>	49.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	104.56	
			<i>For 10" WG (Class A), Add</i>	150.30	
			<i>For Work In Restricted Working Space, Add</i>	98.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0935 LF 20" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	376.26	202.16
<i>For 3" WG (Class B), Add</i>	50.54	
<i>For 4" Or 6" WG (Class A), Add</i>	107.82	
<i>For 10" WG (Class A), Add</i>	154.99	
<i>For Work In Restricted Working Space, Add</i>	101.08	
23 31 13 13-0936 LF 20" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	387.66	208.29
<i>For 3" WG (Class B), Add</i>	52.07	
<i>For 4" Or 6" WG (Class A), Add</i>	111.09	
<i>For 10" WG (Class A), Add</i>	159.69	
<i>For Work In Restricted Working Space, Add</i>	104.15	
23 31 13 13-0937 LF 22" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	250.82	134.78
<i>For 3" WG (Class B), Add</i>	33.69	
<i>For 4" Or 6" WG (Class A), Add</i>	71.88	
<i>For 10" WG (Class A), Add</i>	103.33	
<i>For Work In Restricted Working Space, Add</i>	67.39	
23 31 13 13-0938 LF 22" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	262.25	140.90
<i>For 3" WG (Class B), Add</i>	35.23	
<i>For 4" Or 6" WG (Class A), Add</i>	75.15	
<i>For 10" WG (Class A), Add</i>	108.03	
<i>For Work In Restricted Working Space, Add</i>	70.45	
23 31 13 13-0939 LF 22" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	273.65	147.02
<i>For 3" WG (Class B), Add</i>	36.76	
<i>For 4" Or 6" WG (Class A), Add</i>	78.42	
<i>For 10" WG (Class A), Add</i>	112.73	
<i>For Work In Restricted Working Space, Add</i>	73.52	
23 31 13 13-0940 LF 22" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	285.04	153.16
<i>For 3" WG (Class B), Add</i>	38.29	
<i>For 4" Or 6" WG (Class A), Add</i>	81.68	
<i>For 10" WG (Class A), Add</i>	117.42	
<i>For Work In Restricted Working Space, Add</i>	76.58	
23 31 13 13-0941 LF 22" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	296.44	159.28
<i>For 3" WG (Class B), Add</i>	39.82	
<i>For 4" Or 6" WG (Class A), Add</i>	84.95	
<i>For 10" WG (Class A), Add</i>	122.12	
<i>For Work In Restricted Working Space, Add</i>	79.64	
23 31 13 13-0942 LF 22" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	307.84	165.40
<i>For 3" WG (Class B), Add</i>	41.35	
<i>For 4" Or 6" WG (Class A), Add</i>	88.22	
<i>For 10" WG (Class A), Add</i>	126.81	
<i>For Work In Restricted Working Space, Add</i>	82.70	
23 31 13 13-0943 LF 22" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	319.25	171.54
<i>For 3" WG (Class B), Add</i>	42.88	
<i>For 4" Or 6" WG (Class A), Add</i>	91.48	
<i>For 10" WG (Class A), Add</i>	131.51	
<i>For Work In Restricted Working Space, Add</i>	85.77	
23 31 13 13-0944 LF 22" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	330.65	177.66
<i>For 3" WG (Class B), Add</i>	44.42	
<i>For 4" Or 6" WG (Class A), Add</i>	94.75	
<i>For 10" WG (Class A), Add</i>	136.21	
<i>For Work In Restricted Working Space, Add</i>	88.83	
23 31 13 13-0945 LF 22" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	342.05	183.79
<i>For 3" WG (Class B), Add</i>	45.95	
<i>For 4" Or 6" WG (Class A), Add</i>	98.02	
<i>For 10" WG (Class A), Add</i>	140.90	
<i>For Work In Restricted Working Space, Add</i>	91.89	
23 31 13 13-0946 LF 22" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	353.46	189.92
<i>For 3" WG (Class B), Add</i>	47.48	
<i>For 4" Or 6" WG (Class A), Add</i>	101.29	
<i>For 10" WG (Class A), Add</i>	145.60	
<i>For Work In Restricted Working Space, Add</i>	94.96	
23 31 13 13-0947 LF 22" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	364.87	196.04
<i>For 3" WG (Class B), Add</i>	49.01	
<i>For 4" Or 6" WG (Class A), Add</i>	104.56	
<i>For 10" WG (Class A), Add</i>	150.30	
<i>For Work In Restricted Working Space, Add</i>	98.02	
23 31 13 13-0948 LF 22" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	376.26	202.16
<i>For 3" WG (Class B), Add</i>	50.54	
<i>For 4" Or 6" WG (Class A), Add</i>	107.82	
<i>For 10" WG (Class A), Add</i>	154.99	
<i>For Work In Restricted Working Space, Add</i>	101.08	
23 31 13 13-0949 LF 22" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	387.66	208.29
<i>For 3" WG (Class B), Add</i>	52.07	
<i>For 4" Or 6" WG (Class A), Add</i>	111.09	
<i>For 10" WG (Class A), Add</i>	159.69	
<i>For Work In Restricted Working Space, Add</i>	104.15	
23 31 13 13-0950 LF 22" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	399.06	214.42
<i>For 3" WG (Class B), Add</i>	53.61	
<i>For 4" Or 6" WG (Class A), Add</i>	114.36	
<i>For 10" WG (Class A), Add</i>	164.39	
<i>For Work In Restricted Working Space, Add</i>	107.21	
23 31 13 13-0951 LF 24" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	273.65	147.02
<i>For 3" WG (Class B), Add</i>	36.76	
<i>For 4" Or 6" WG (Class A), Add</i>	78.42	
<i>For 10" WG (Class A), Add</i>	112.73	
<i>For Work In Restricted Working Space, Add</i>	73.52	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0952	LF	24" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	285.04	153.16
			<i>For 3" WG (Class B), Add</i>	38.29	
			<i>For 4" Or 6" WG (Class A), Add</i>	81.68	
			<i>For 10" WG (Class A), Add</i>	117.42	
			<i>For Work In Restricted Working Space, Add</i>	76.58	
23 31 13	13-0953	LF	24" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.44	159.28
			<i>For 3" WG (Class B), Add</i>	39.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.95	
			<i>For 10" WG (Class A), Add</i>	122.12	
			<i>For Work In Restricted Working Space, Add</i>	79.64	
23 31 13	13-0954	LF	24" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	307.84	165.40
			<i>For 3" WG (Class B), Add</i>	41.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	88.22	
			<i>For 10" WG (Class A), Add</i>	126.81	
			<i>For Work In Restricted Working Space, Add</i>	82.70	
23 31 13	13-0955	LF	24" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.25	171.54
			<i>For 3" WG (Class B), Add</i>	42.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	91.48	
			<i>For 10" WG (Class A), Add</i>	131.51	
			<i>For Work In Restricted Working Space, Add</i>	85.77	
23 31 13	13-0956	LF	24" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	330.65	177.66
			<i>For 3" WG (Class B), Add</i>	44.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	94.75	
			<i>For 10" WG (Class A), Add</i>	136.21	
			<i>For Work In Restricted Working Space, Add</i>	88.83	
23 31 13	13-0957	LF	24" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	342.05	183.79
			<i>For 3" WG (Class B), Add</i>	45.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	98.02	
			<i>For 10" WG (Class A), Add</i>	140.90	
			<i>For Work In Restricted Working Space, Add</i>	91.89	
23 31 13	13-0958	LF	24" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	353.46	189.92
			<i>For 3" WG (Class B), Add</i>	47.48	
			<i>For 4" Or 6" WG (Class A), Add</i>	101.29	
			<i>For 10" WG (Class A), Add</i>	145.60	
			<i>For Work In Restricted Working Space, Add</i>	94.96	
23 31 13	13-0959	LF	24" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	364.87	196.04
			<i>For 3" WG (Class B), Add</i>	49.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	104.56	
			<i>For 10" WG (Class A), Add</i>	150.30	
			<i>For Work In Restricted Working Space, Add</i>	98.02	
23 31 13	13-0960	LF	24" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	376.26	202.16
			<i>For 3" WG (Class B), Add</i>	50.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.82	
			<i>For 10" WG (Class A), Add</i>	154.99	
			<i>For Work In Restricted Working Space, Add</i>	101.08	
23 31 13	13-0961	LF	24" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	387.66	208.29
			<i>For 3" WG (Class B), Add</i>	52.07	
			<i>For 4" Or 6" WG (Class A), Add</i>	111.09	
			<i>For 10" WG (Class A), Add</i>	159.69	
			<i>For Work In Restricted Working Space, Add</i>	104.15	
23 31 13	13-0962	LF	24" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	399.06	214.42
			<i>For 3" WG (Class B), Add</i>	53.61	
			<i>For 4" Or 6" WG (Class A), Add</i>	114.36	
			<i>For 10" WG (Class A), Add</i>	164.39	
			<i>For Work In Restricted Working Space, Add</i>	107.21	
23 31 13	13-0963	LF	24" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	410.45	220.54
			<i>For 3" WG (Class B), Add</i>	55.14	
			<i>For 4" Or 6" WG (Class A), Add</i>	117.62	
			<i>For 10" WG (Class A), Add</i>	169.08	
			<i>For Work In Restricted Working Space, Add</i>	110.27	
23 31 13	13-0964	LF	26" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.44	159.28
			<i>For 3" WG (Class B), Add</i>	39.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	84.95	
			<i>For 10" WG (Class A), Add</i>	122.12	
			<i>For Work In Restricted Working Space, Add</i>	79.64	
23 31 13	13-0965	LF	26" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	307.84	165.40
			<i>For 3" WG (Class B), Add</i>	41.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	88.22	
			<i>For 10" WG (Class A), Add</i>	126.81	
			<i>For Work In Restricted Working Space, Add</i>	82.70	
23 31 13	13-0966	LF	26" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	319.25	171.54
			<i>For 3" WG (Class B), Add</i>	42.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	91.48	
			<i>For 10" WG (Class A), Add</i>	131.51	
			<i>For Work In Restricted Working Space, Add</i>	85.77	
23 31 13	13-0967	LF	26" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	330.65	177.66
			<i>For 3" WG (Class B), Add</i>	44.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	94.75	
			<i>For 10" WG (Class A), Add</i>	136.21	
			<i>For Work In Restricted Working Space, Add</i>	88.83	
23 31 13	13-0968	LF	26" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	342.05	183.79
			<i>For 3" WG (Class B), Add</i>	45.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	98.02	
			<i>For 10" WG (Class A), Add</i>	140.90	
			<i>For Work In Restricted Working Space, Add</i>	91.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0969 LF 26" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	353.46	189.92
<i>For 3" WG (Class B), Add</i>	47.48	
<i>For 4" Or 6" WG (Class A), Add</i>	101.29	
<i>For 10" WG (Class A), Add</i>	145.60	
<i>For Work In Restricted Working Space, Add</i>	94.96	
23 31 13 13-0970 LF 26" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	364.87	196.04
<i>For 3" WG (Class B), Add</i>	49.01	
<i>For 4" Or 6" WG (Class A), Add</i>	104.56	
<i>For 10" WG (Class A), Add</i>	150.30	
<i>For Work In Restricted Working Space, Add</i>	98.02	
23 31 13 13-0971 LF 26" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	376.26	202.16
<i>For 3" WG (Class B), Add</i>	50.54	
<i>For 4" Or 6" WG (Class A), Add</i>	107.82	
<i>For 10" WG (Class A), Add</i>	154.99	
<i>For Work In Restricted Working Space, Add</i>	101.08	
23 31 13 13-0972 LF 26" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	387.66	208.29
<i>For 3" WG (Class B), Add</i>	52.07	
<i>For 4" Or 6" WG (Class A), Add</i>	111.09	
<i>For 10" WG (Class A), Add</i>	159.69	
<i>For Work In Restricted Working Space, Add</i>	104.15	
23 31 13 13-0973 LF 26" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	399.06	214.42
<i>For 3" WG (Class B), Add</i>	53.61	
<i>For 4" Or 6" WG (Class A), Add</i>	114.36	
<i>For 10" WG (Class A), Add</i>	164.39	
<i>For Work In Restricted Working Space, Add</i>	107.21	
23 31 13 13-0974 LF 26" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	410.45	220.54
<i>For 3" WG (Class B), Add</i>	55.14	
<i>For 4" Or 6" WG (Class A), Add</i>	117.62	
<i>For 10" WG (Class A), Add</i>	169.08	
<i>For Work In Restricted Working Space, Add</i>	110.27	
23 31 13 13-0975 LF 26" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	421.88	226.67
<i>For 3" WG (Class B), Add</i>	56.67	
<i>For 4" Or 6" WG (Class A), Add</i>	120.89	
<i>For 10" WG (Class A), Add</i>	173.78	
<i>For Work In Restricted Working Space, Add</i>	113.34	
23 31 13 13-0976 LF 28" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	319.25	171.54
<i>For 3" WG (Class B), Add</i>	42.88	
<i>For 4" Or 6" WG (Class A), Add</i>	91.48	
<i>For 10" WG (Class A), Add</i>	131.51	
<i>For Work In Restricted Working Space, Add</i>	85.77	
23 31 13 13-0977 LF 28" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	330.65	177.66
<i>For 3" WG (Class B), Add</i>	44.42	
<i>For 4" Or 6" WG (Class A), Add</i>	94.75	
<i>For 10" WG (Class A), Add</i>	136.21	
<i>For Work In Restricted Working Space, Add</i>	88.83	
23 31 13 13-0978 LF 28" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	342.05	183.79
<i>For 3" WG (Class B), Add</i>	45.95	
<i>For 4" Or 6" WG (Class A), Add</i>	98.02	
<i>For 10" WG (Class A), Add</i>	140.90	
<i>For Work In Restricted Working Space, Add</i>	91.89	
23 31 13 13-0979 LF 28" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	353.46	189.92
<i>For 3" WG (Class B), Add</i>	47.48	
<i>For 4" Or 6" WG (Class A), Add</i>	101.29	
<i>For 10" WG (Class A), Add</i>	145.60	
<i>For Work In Restricted Working Space, Add</i>	94.96	
23 31 13 13-0980 LF 28" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	364.87	196.04
<i>For 3" WG (Class B), Add</i>	49.01	
<i>For 4" Or 6" WG (Class A), Add</i>	104.56	
<i>For 10" WG (Class A), Add</i>	150.30	
<i>For Work In Restricted Working Space, Add</i>	98.02	
23 31 13 13-0981 LF 28" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	376.26	202.16
<i>For 3" WG (Class B), Add</i>	50.54	
<i>For 4" Or 6" WG (Class A), Add</i>	107.82	
<i>For 10" WG (Class A), Add</i>	154.99	
<i>For Work In Restricted Working Space, Add</i>	101.08	
23 31 13 13-0982 LF 28" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	387.66	208.29
<i>For 3" WG (Class B), Add</i>	52.07	
<i>For 4" Or 6" WG (Class A), Add</i>	111.09	
<i>For 10" WG (Class A), Add</i>	159.69	
<i>For Work In Restricted Working Space, Add</i>	104.15	
23 31 13 13-0983 LF 28" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	399.06	214.42
<i>For 3" WG (Class B), Add</i>	53.61	
<i>For 4" Or 6" WG (Class A), Add</i>	114.36	
<i>For 10" WG (Class A), Add</i>	164.39	
<i>For Work In Restricted Working Space, Add</i>	107.21	
23 31 13 13-0984 LF 28" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	410.45	220.54
<i>For 3" WG (Class B), Add</i>	55.14	
<i>For 4" Or 6" WG (Class A), Add</i>	117.62	
<i>For 10" WG (Class A), Add</i>	169.08	
<i>For Work In Restricted Working Space, Add</i>	110.27	
23 31 13 13-0985 LF 28" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	421.88	226.67
<i>For 3" WG (Class B), Add</i>	56.67	
<i>For 4" Or 6" WG (Class A), Add</i>	120.89	
<i>For 10" WG (Class A), Add</i>	173.78	
<i>For Work In Restricted Working Space, Add</i>	113.34	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0986	LF	28" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	433.27	232.79
			<i>For 3" WG (Class B), Add</i>	58.20	
			<i>For 4" Or 6" WG (Class A), Add</i>	124.16	
			<i>For 10" WG (Class A), Add</i>	178.48	
			<i>For Work In Restricted Working Space, Add</i>	116.40	
23 31 13	13-0987	LF	30" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	342.05	183.79
			<i>For 3" WG (Class B), Add</i>	45.95	
			<i>For 4" Or 6" WG (Class A), Add</i>	98.02	
			<i>For 10" WG (Class A), Add</i>	140.90	
			<i>For Work In Restricted Working Space, Add</i>	91.89	
23 31 13	13-0988	LF	30" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	353.46	189.92
			<i>For 3" WG (Class B), Add</i>	47.48	
			<i>For 4" Or 6" WG (Class A), Add</i>	101.29	
			<i>For 10" WG (Class A), Add</i>	145.60	
			<i>For Work In Restricted Working Space, Add</i>	94.96	
23 31 13	13-0989	LF	30" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	364.87	196.04
			<i>For 3" WG (Class B), Add</i>	49.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	104.56	
			<i>For 10" WG (Class A), Add</i>	150.30	
			<i>For Work In Restricted Working Space, Add</i>	98.02	
23 31 13	13-0990	LF	30" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	376.26	202.16
			<i>For 3" WG (Class B), Add</i>	50.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.82	
			<i>For 10" WG (Class A), Add</i>	154.99	
			<i>For Work In Restricted Working Space, Add</i>	101.08	
23 31 13	13-0991	LF	30" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	387.66	208.29
			<i>For 3" WG (Class B), Add</i>	52.07	
			<i>For 4" Or 6" WG (Class A), Add</i>	111.09	
			<i>For 10" WG (Class A), Add</i>	159.69	
			<i>For Work In Restricted Working Space, Add</i>	104.15	
23 31 13	13-0992	LF	30" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	399.06	214.42
			<i>For 3" WG (Class B), Add</i>	53.61	
			<i>For 4" Or 6" WG (Class A), Add</i>	114.36	
			<i>For 10" WG (Class A), Add</i>	164.39	
			<i>For Work In Restricted Working Space, Add</i>	107.21	
23 31 13	13-0993	LF	30" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	410.45	220.54
			<i>For 3" WG (Class B), Add</i>	55.14	
			<i>For 4" Or 6" WG (Class A), Add</i>	117.62	
			<i>For 10" WG (Class A), Add</i>	169.08	
			<i>For Work In Restricted Working Space, Add</i>	110.27	
23 31 13	13-0994	LF	30" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	421.88	226.67
			<i>For 3" WG (Class B), Add</i>	56.67	
			<i>For 4" Or 6" WG (Class A), Add</i>	120.89	
			<i>For 10" WG (Class A), Add</i>	173.78	
			<i>For Work In Restricted Working Space, Add</i>	113.34	
23 31 13	13-0995	LF	30" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	433.27	232.79
			<i>For 3" WG (Class B), Add</i>	58.20	
			<i>For 4" Or 6" WG (Class A), Add</i>	124.16	
			<i>For 10" WG (Class A), Add</i>	178.48	
			<i>For Work In Restricted Working Space, Add</i>	116.40	
23 31 13	13-0996	LF	30" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	444.66	238.93
			<i>For 3" WG (Class B), Add</i>	59.73	
			<i>For 4" Or 6" WG (Class A), Add</i>	127.42	
			<i>For 10" WG (Class A), Add</i>	183.17	
			<i>For Work In Restricted Working Space, Add</i>	119.46	
23 31 13	13-0997	LF	32" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	364.87	196.04
			<i>For 3" WG (Class B), Add</i>	49.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	104.56	
			<i>For 10" WG (Class A), Add</i>	150.30	
			<i>For Work In Restricted Working Space, Add</i>	98.02	
23 31 13	13-0998	LF	32" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	376.26	202.16
			<i>For 3" WG (Class B), Add</i>	50.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	107.82	
			<i>For 10" WG (Class A), Add</i>	154.99	
			<i>For Work In Restricted Working Space, Add</i>	101.08	
23 31 13	13-0999	LF	32" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	387.66	208.29
			<i>For 3" WG (Class B), Add</i>	52.07	
			<i>For 4" Or 6" WG (Class A), Add</i>	111.09	
			<i>For 10" WG (Class A), Add</i>	159.69	
			<i>For Work In Restricted Working Space, Add</i>	104.15	
23 31 13	13-1000	LF	32" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	399.06	214.42
			<i>For 3" WG (Class B), Add</i>	53.61	
			<i>For 4" Or 6" WG (Class A), Add</i>	114.36	
			<i>For 10" WG (Class A), Add</i>	164.39	
			<i>For Work In Restricted Working Space, Add</i>	107.21	
23 31 13	13-1001	LF	32" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	410.45	220.54
			<i>For 3" WG (Class B), Add</i>	55.14	
			<i>For 4" Or 6" WG (Class A), Add</i>	117.62	
			<i>For 10" WG (Class A), Add</i>	169.08	
			<i>For Work In Restricted Working Space, Add</i>	110.27	
23 31 13	13-1002	LF	32" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	421.88	226.67
			<i>For 3" WG (Class B), Add</i>	56.67	
			<i>For 4" Or 6" WG (Class A), Add</i>	120.89	
			<i>For 10" WG (Class A), Add</i>	173.78	
			<i>For Work In Restricted Working Space, Add</i>	113.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1003 LF 32" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	433.27	232.79
<i>For 3" WG (Class B), Add</i>	58.20	
<i>For 4" Or 6" WG (Class A), Add</i>	124.16	
<i>For 10" WG (Class A), Add</i>	178.48	
<i>For Work In Restricted Working Space, Add</i>	116.40	
23 31 13 13-1004 LF 32" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	444.66	238.93
<i>For 3" WG (Class B), Add</i>	59.73	
<i>For 4" Or 6" WG (Class A), Add</i>	127.42	
<i>For 10" WG (Class A), Add</i>	183.17	
<i>For Work In Restricted Working Space, Add</i>	119.46	
23 31 13 13-1005 LF 32" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	456.07	245.06
<i>For 3" WG (Class B), Add</i>	61.26	
<i>For 4" Or 6" WG (Class A), Add</i>	130.69	
<i>For 10" WG (Class A), Add</i>	187.87	
<i>For Work In Restricted Working Space, Add</i>	122.53	
23 31 13 13-1006 LF 34" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	387.66	208.29
<i>For 3" WG (Class B), Add</i>	52.07	
<i>For 4" Or 6" WG (Class A), Add</i>	111.09	
<i>For 10" WG (Class A), Add</i>	159.69	
<i>For Work In Restricted Working Space, Add</i>	104.15	
23 31 13 13-1007 LF 34" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	399.06	214.42
<i>For 3" WG (Class B), Add</i>	53.61	
<i>For 4" Or 6" WG (Class A), Add</i>	114.36	
<i>For 10" WG (Class A), Add</i>	164.39	
<i>For Work In Restricted Working Space, Add</i>	107.21	
23 31 13 13-1008 LF 34" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	410.45	220.54
<i>For 3" WG (Class B), Add</i>	55.14	
<i>For 4" Or 6" WG (Class A), Add</i>	117.62	
<i>For 10" WG (Class A), Add</i>	169.08	
<i>For Work In Restricted Working Space, Add</i>	110.27	
23 31 13 13-1009 LF 34" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	421.88	226.67
<i>For 3" WG (Class B), Add</i>	56.67	
<i>For 4" Or 6" WG (Class A), Add</i>	120.89	
<i>For 10" WG (Class A), Add</i>	173.78	
<i>For Work In Restricted Working Space, Add</i>	113.34	
23 31 13 13-1010 LF 34" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	433.27	232.79
<i>For 3" WG (Class B), Add</i>	58.20	
<i>For 4" Or 6" WG (Class A), Add</i>	124.16	
<i>For 10" WG (Class A), Add</i>	178.48	
<i>For Work In Restricted Working Space, Add</i>	116.40	
23 31 13 13-1011 LF 34" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	444.66	238.93
<i>For 3" WG (Class B), Add</i>	59.73	
<i>For 4" Or 6" WG (Class A), Add</i>	127.42	
<i>For 10" WG (Class A), Add</i>	183.17	
<i>For Work In Restricted Working Space, Add</i>	119.46	
23 31 13 13-1012 LF 34" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	456.07	245.06
<i>For 3" WG (Class B), Add</i>	61.26	
<i>For 4" Or 6" WG (Class A), Add</i>	130.69	
<i>For 10" WG (Class A), Add</i>	187.87	
<i>For Work In Restricted Working Space, Add</i>	122.53	
23 31 13 13-1013 LF 34" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	467.46	251.18
<i>For 3" WG (Class B), Add</i>	62.79	
<i>For 4" Or 6" WG (Class A), Add</i>	133.96	
<i>For 10" WG (Class A), Add</i>	192.57	
<i>For Work In Restricted Working Space, Add</i>	125.59	
23 31 13 13-1014 LF 36" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	410.45	220.54
<i>For 3" WG (Class B), Add</i>	55.14	
<i>For 4" Or 6" WG (Class A), Add</i>	117.62	
<i>For 10" WG (Class A), Add</i>	169.08	
<i>For Work In Restricted Working Space, Add</i>	110.27	
23 31 13 13-1015 LF 36" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	421.88	226.67
<i>For 3" WG (Class B), Add</i>	56.67	
<i>For 4" Or 6" WG (Class A), Add</i>	120.89	
<i>For 10" WG (Class A), Add</i>	173.78	
<i>For Work In Restricted Working Space, Add</i>	113.34	
23 31 13 13-1016 LF 36" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	433.27	232.79
<i>For 3" WG (Class B), Add</i>	58.20	
<i>For 4" Or 6" WG (Class A), Add</i>	124.16	
<i>For 10" WG (Class A), Add</i>	178.48	
<i>For Work In Restricted Working Space, Add</i>	116.40	
23 31 13 13-1017 LF 36" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	444.66	238.93
<i>For 3" WG (Class B), Add</i>	59.73	
<i>For 4" Or 6" WG (Class A), Add</i>	127.42	
<i>For 10" WG (Class A), Add</i>	183.17	
<i>For Work In Restricted Working Space, Add</i>	119.46	
23 31 13 13-1018 LF 36" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	456.07	245.06
<i>For 3" WG (Class B), Add</i>	61.26	
<i>For 4" Or 6" WG (Class A), Add</i>	130.69	
<i>For 10" WG (Class A), Add</i>	187.87	
<i>For Work In Restricted Working Space, Add</i>	122.53	
23 31 13 13-1019 LF 36" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	467.46	251.18
<i>For 3" WG (Class B), Add</i>	62.79	
<i>For 4" Or 6" WG (Class A), Add</i>	133.96	
<i>For 10" WG (Class A), Add</i>	192.57	
<i>For Work In Restricted Working Space, Add</i>	125.59	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-1020	LF	36" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	478.87	257.31
			<i>For 3" WG (Class B), Add</i>	64.32	
			<i>For 4" Or 6" WG (Class A), Add</i>	137.23	
			<i>For 10" WG (Class A), Add</i>	197.26	
			<i>For Work In Restricted Working Space, Add</i>	128.65	
23 31 13	13-1021	LF	38" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	433.27	232.79
			<i>For 3" WG (Class B), Add</i>	58.20	
			<i>For 4" Or 6" WG (Class A), Add</i>	124.16	
			<i>For 10" WG (Class A), Add</i>	178.48	
			<i>For Work In Restricted Working Space, Add</i>	116.40	
23 31 13	13-1022	LF	38" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	444.66	238.93
			<i>For 3" WG (Class B), Add</i>	59.73	
			<i>For 4" Or 6" WG (Class A), Add</i>	127.42	
			<i>For 10" WG (Class A), Add</i>	183.17	
			<i>For Work In Restricted Working Space, Add</i>	119.46	
23 31 13	13-1023	LF	38" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	456.07	245.06
			<i>For 3" WG (Class B), Add</i>	61.26	
			<i>For 4" Or 6" WG (Class A), Add</i>	130.69	
			<i>For 10" WG (Class A), Add</i>	187.87	
			<i>For Work In Restricted Working Space, Add</i>	122.53	
23 31 13	13-1024	LF	38" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	467.46	251.18
			<i>For 3" WG (Class B), Add</i>	62.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	133.96	
			<i>For 10" WG (Class A), Add</i>	192.57	
			<i>For Work In Restricted Working Space, Add</i>	125.59	
23 31 13	13-1025	LF	38" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	478.87	257.31
			<i>For 3" WG (Class B), Add</i>	64.32	
			<i>For 4" Or 6" WG (Class A), Add</i>	137.23	
			<i>For 10" WG (Class A), Add</i>	197.26	
			<i>For Work In Restricted Working Space, Add</i>	128.65	
23 31 13	13-1026	LF	38" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	490.28	263.43
			<i>For 3" WG (Class B), Add</i>	65.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	140.50	
			<i>For 10" WG (Class A), Add</i>	201.96	
			<i>For Work In Restricted Working Space, Add</i>	131.72	
23 31 13	13-1027	LF	38" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	501.68	269.55
			<i>For 3" WG (Class B), Add</i>	67.39	
			<i>For 4" Or 6" WG (Class A), Add</i>	143.76	
			<i>For 10" WG (Class A), Add</i>	206.66	
			<i>For Work In Restricted Working Space, Add</i>	134.78	
23 31 13	13-1028	LF	40" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	456.07	245.06
			<i>For 3" WG (Class B), Add</i>	61.26	
			<i>For 4" Or 6" WG (Class A), Add</i>	130.69	
			<i>For 10" WG (Class A), Add</i>	187.87	
			<i>For Work In Restricted Working Space, Add</i>	122.53	
23 31 13	13-1029	LF	40" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	467.46	251.18
			<i>For 3" WG (Class B), Add</i>	62.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	133.96	
			<i>For 10" WG (Class A), Add</i>	192.57	
			<i>For Work In Restricted Working Space, Add</i>	125.59	
23 31 13	13-1030	LF	40" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	478.87	257.31
			<i>For 3" WG (Class B), Add</i>	64.32	
			<i>For 4" Or 6" WG (Class A), Add</i>	137.23	
			<i>For 10" WG (Class A), Add</i>	197.26	
			<i>For Work In Restricted Working Space, Add</i>	128.65	
23 31 13	13-1031	LF	40" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	490.28	263.43
			<i>For 3" WG (Class B), Add</i>	65.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	140.50	
			<i>For 10" WG (Class A), Add</i>	201.96	
			<i>For Work In Restricted Working Space, Add</i>	131.72	
23 31 13	13-1032	LF	40" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	501.68	269.55
			<i>For 3" WG (Class B), Add</i>	67.39	
			<i>For 4" Or 6" WG (Class A), Add</i>	143.76	
			<i>For 10" WG (Class A), Add</i>	206.66	
			<i>For Work In Restricted Working Space, Add</i>	134.78	
23 31 13	13-1033	LF	40" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	513.08	275.68
			<i>For 3" WG (Class B), Add</i>	68.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	147.03	
			<i>For 10" WG (Class A), Add</i>	211.36	
			<i>For Work In Restricted Working Space, Add</i>	137.84	
23 31 13	13-1034	LF	40" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	524.47	281.81
			<i>For 3" WG (Class B), Add</i>	70.45	
			<i>For 4" Or 6" WG (Class A), Add</i>	150.30	
			<i>For 10" WG (Class A), Add</i>	216.05	
			<i>For Work In Restricted Working Space, Add</i>	140.90	
23 31 13	13-1035	LF	40" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	535.88	287.93
			<i>For 3" WG (Class B), Add</i>	71.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	153.56	
			<i>For 10" WG (Class A), Add</i>	220.74	
			<i>For Work In Restricted Working Space, Add</i>	143.96	
23 31 13	13-1036	LF	40" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	547.29	294.06
			<i>For 3" WG (Class B), Add</i>	73.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	156.83	
			<i>For 10" WG (Class A), Add</i>	225.45	
			<i>For Work In Restricted Working Space, Add</i>	147.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1037 LF 42" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	478.87	257.31
For 3" WG (Class B), Add	64.32	
For 4" Or 6" WG (Class A), Add	137.23	
For 10" WG (Class A), Add	197.26	
For Work In Restricted Working Space, Add	128.65	
23 31 13 13-1038 LF 42" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	490.28	263.43
For 3" WG (Class B), Add	65.86	
For 4" Or 6" WG (Class A), Add	140.50	
For 10" WG (Class A), Add	201.96	
For Work In Restricted Working Space, Add	131.72	
23 31 13 13-1039 LF 42" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	501.68	269.55
For 3" WG (Class B), Add	67.39	
For 4" Or 6" WG (Class A), Add	143.76	
For 10" WG (Class A), Add	206.66	
For Work In Restricted Working Space, Add	134.78	
23 31 13 13-1040 LF 42" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	513.08	275.68
For 3" WG (Class B), Add	68.92	
For 4" Or 6" WG (Class A), Add	147.03	
For 10" WG (Class A), Add	211.36	
For Work In Restricted Working Space, Add	137.84	
23 31 13 13-1041 LF 42" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	524.47	281.81
For 3" WG (Class B), Add	70.45	
For 4" Or 6" WG (Class A), Add	150.30	
For 10" WG (Class A), Add	216.05	
For Work In Restricted Working Space, Add	140.90	
23 31 13 13-1042 LF 42" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	535.88	287.93
For 3" WG (Class B), Add	71.98	
For 4" Or 6" WG (Class A), Add	153.56	
For 10" WG (Class A), Add	220.74	
For Work In Restricted Working Space, Add	143.96	
23 31 13 13-1043 LF 42" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	547.29	294.06
For 3" WG (Class B), Add	73.52	
For 4" Or 6" WG (Class A), Add	156.83	
For 10" WG (Class A), Add	225.45	
For Work In Restricted Working Space, Add	147.03	
23 31 13 13-1044 LF 42" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	558.69	300.18
For 3" WG (Class B), Add	75.05	
For 4" Or 6" WG (Class A), Add	160.10	
For 10" WG (Class A), Add	230.14	
For Work In Restricted Working Space, Add	150.09	
23 31 13 13-1045 LF 44" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	501.68	269.55
For 3" WG (Class B), Add	67.39	
For 4" Or 6" WG (Class A), Add	143.76	
For 10" WG (Class A), Add	206.66	
For Work In Restricted Working Space, Add	134.78	
23 31 13 13-1046 LF 44" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	513.08	275.68
For 3" WG (Class B), Add	68.92	
For 4" Or 6" WG (Class A), Add	147.03	
For 10" WG (Class A), Add	211.36	
For Work In Restricted Working Space, Add	137.84	
23 31 13 13-1047 LF 44" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	524.47	281.81
For 3" WG (Class B), Add	70.45	
For 4" Or 6" WG (Class A), Add	150.30	
For 10" WG (Class A), Add	216.05	
For Work In Restricted Working Space, Add	140.90	
23 31 13 13-1048 LF 44" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	535.88	287.93
For 3" WG (Class B), Add	71.98	
For 4" Or 6" WG (Class A), Add	153.56	
For 10" WG (Class A), Add	220.74	
For Work In Restricted Working Space, Add	143.96	
23 31 13 13-1049 LF 44" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	547.29	294.06
For 3" WG (Class B), Add	73.52	
For 4" Or 6" WG (Class A), Add	156.83	
For 10" WG (Class A), Add	225.45	
For Work In Restricted Working Space, Add	147.03	
23 31 13 13-1050 LF 44" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	558.69	300.18
For 3" WG (Class B), Add	75.05	
For 4" Or 6" WG (Class A), Add	160.10	
For 10" WG (Class A), Add	230.14	
For Work In Restricted Working Space, Add	150.09	
23 31 13 13-1051 LF 44" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	570.08	306.31
For 3" WG (Class B), Add	76.58	
For 4" Or 6" WG (Class A), Add	163.37	
For 10" WG (Class A), Add	234.84	
For Work In Restricted Working Space, Add	153.16	
23 31 13 13-1052 LF 46" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	524.47	281.81
For 3" WG (Class B), Add	70.45	
For 4" Or 6" WG (Class A), Add	150.30	
For 10" WG (Class A), Add	216.05	
For Work In Restricted Working Space, Add	140.90	
23 31 13 13-1053 LF 46" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	535.88	287.93
For 3" WG (Class B), Add	71.98	
For 4" Or 6" WG (Class A), Add	153.56	
For 10" WG (Class A), Add	220.74	
For Work In Restricted Working Space, Add	143.96	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-1054	LF	46" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	547.29	294.06
			<i>For 3" WG (Class B), Add</i>	73.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	156.83	
			<i>For 10" WG (Class A), Add</i>	225.45	
			<i>For Work In Restricted Working Space, Add</i>	147.03	
23 31 13	13-1055	LF	46" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	558.69	300.18
			<i>For 3" WG (Class B), Add</i>	75.05	
			<i>For 4" Or 6" WG (Class A), Add</i>	160.10	
			<i>For 10" WG (Class A), Add</i>	230.14	
			<i>For Work In Restricted Working Space, Add</i>	150.09	
23 31 13	13-1056	LF	46" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	570.08	306.31
			<i>For 3" WG (Class B), Add</i>	76.58	
			<i>For 4" Or 6" WG (Class A), Add</i>	163.37	
			<i>For 10" WG (Class A), Add</i>	234.84	
			<i>For Work In Restricted Working Space, Add</i>	153.16	
23 31 13	13-1057	LF	46" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	591.70	318.57
			<i>For 3" WG (Class B), Add</i>	79.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	169.90	
			<i>For 10" WG (Class A), Add</i>	244.24	
			<i>For Work In Restricted Working Space, Add</i>	159.29	
23 31 13	13-1058	LF	46" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	603.11	324.69
			<i>For 3" WG (Class B), Add</i>	81.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	173.17	
			<i>For 10" WG (Class A), Add</i>	248.93	
			<i>For Work In Restricted Working Space, Add</i>	162.35	
23 31 13	13-1059	LF	48" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	547.29	294.06
			<i>For 3" WG (Class B), Add</i>	73.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	156.83	
			<i>For 10" WG (Class A), Add</i>	225.45	
			<i>For Work In Restricted Working Space, Add</i>	147.03	
23 31 13	13-1060	LF	48" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	558.69	300.18
			<i>For 3" WG (Class B), Add</i>	75.05	
			<i>For 4" Or 6" WG (Class A), Add</i>	160.10	
			<i>For 10" WG (Class A), Add</i>	230.14	
			<i>For Work In Restricted Working Space, Add</i>	150.09	
23 31 13	13-1061	LF	48" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	570.08	306.31
			<i>For 3" WG (Class B), Add</i>	76.58	
			<i>For 4" Or 6" WG (Class A), Add</i>	163.37	
			<i>For 10" WG (Class A), Add</i>	234.84	
			<i>For Work In Restricted Working Space, Add</i>	153.16	
23 31 13	13-1062	LF	48" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	581.48	312.45
			<i>For 3" WG (Class B), Add</i>	78.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	166.63	
			<i>For 10" WG (Class A), Add</i>	239.54	
			<i>For Work In Restricted Working Space, Add</i>	156.22	
23 31 13	13-1063	LF	48" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	592.91	318.57
			<i>For 3" WG (Class B), Add</i>	79.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	169.90	
			<i>For 10" WG (Class A), Add</i>	244.24	
			<i>For Work In Restricted Working Space, Add</i>	159.29	
23 31 13	13-1064	LF	48" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	604.29	324.69
			<i>For 3" WG (Class B), Add</i>	81.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	173.17	
			<i>For 10" WG (Class A), Add</i>	248.93	
			<i>For Work In Restricted Working Space, Add</i>	162.35	
23 31 13	13-1065	LF	48" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	615.69	330.82
			<i>For 3" WG (Class B), Add</i>	82.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	176.44	
			<i>For 10" WG (Class A), Add</i>	253.63	
			<i>For Work In Restricted Working Space, Add</i>	165.41	
23 31 13	13-1066	LF	50" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	570.08	306.31
			<i>For 3" WG (Class B), Add</i>	76.58	
			<i>For 4" Or 6" WG (Class A), Add</i>	163.37	
			<i>For 10" WG (Class A), Add</i>	234.84	
			<i>For Work In Restricted Working Space, Add</i>	153.16	
23 31 13	13-1067	LF	50" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	581.48	312.45
			<i>For 3" WG (Class B), Add</i>	78.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	166.63	
			<i>For 10" WG (Class A), Add</i>	239.54	
			<i>For Work In Restricted Working Space, Add</i>	156.22	
23 31 13	13-1068	LF	50" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	592.91	318.57
			<i>For 3" WG (Class B), Add</i>	79.64	
			<i>For 4" Or 6" WG (Class A), Add</i>	169.90	
			<i>For 10" WG (Class A), Add</i>	244.24	
			<i>For Work In Restricted Working Space, Add</i>	159.29	
23 31 13	13-1069	LF	50" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	604.29	324.69
			<i>For 3" WG (Class B), Add</i>	81.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	173.17	
			<i>For 10" WG (Class A), Add</i>	248.93	
			<i>For Work In Restricted Working Space, Add</i>	162.35	
23 31 13	13-1070	LF	50" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	615.69	330.82
			<i>For 3" WG (Class B), Add</i>	82.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	176.44	
			<i>For 10" WG (Class A), Add</i>	253.63	
			<i>For Work In Restricted Working Space, Add</i>	165.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1071 LF 50" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	627.08	336.94
<i>For 3" WG (Class B), Add</i>	84.23	
<i>For 4" Or 6" WG (Class A), Add</i>	179.70	
<i>For 10" WG (Class A), Add</i>	258.32	
<i>For Work In Restricted Working Space, Add</i>	168.47	
23 31 13 13-1072 LF 52" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	592.91	318.57
<i>For 3" WG (Class B), Add</i>	79.64	
<i>For 4" Or 6" WG (Class A), Add</i>	169.90	
<i>For 10" WG (Class A), Add</i>	244.24	
<i>For Work In Restricted Working Space, Add</i>	159.29	
23 31 13 13-1073 LF 52" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	604.29	324.69
<i>For 3" WG (Class B), Add</i>	81.17	
<i>For 4" Or 6" WG (Class A), Add</i>	173.17	
<i>For 10" WG (Class A), Add</i>	248.93	
<i>For Work In Restricted Working Space, Add</i>	162.35	
23 31 13 13-1074 LF 52" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	615.69	330.82
<i>For 3" WG (Class B), Add</i>	82.70	
<i>For 4" Or 6" WG (Class A), Add</i>	176.44	
<i>For 10" WG (Class A), Add</i>	253.63	
<i>For Work In Restricted Working Space, Add</i>	165.41	
23 31 13 13-1075 LF 52" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	627.08	336.94
<i>For 3" WG (Class B), Add</i>	84.23	
<i>For 4" Or 6" WG (Class A), Add</i>	179.70	
<i>For 10" WG (Class A), Add</i>	258.32	
<i>For Work In Restricted Working Space, Add</i>	168.47	
23 31 13 13-1076 LF 52" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	638.50	343.06
<i>For 3" WG (Class B), Add</i>	85.77	
<i>For 4" Or 6" WG (Class A), Add</i>	182.97	
<i>For 10" WG (Class A), Add</i>	263.02	
<i>For Work In Restricted Working Space, Add</i>	171.54	
23 31 13 13-1077 LF 54" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	615.69	330.82
<i>For 3" WG (Class B), Add</i>	82.70	
<i>For 4" Or 6" WG (Class A), Add</i>	176.44	
<i>For 10" WG (Class A), Add</i>	253.63	
<i>For Work In Restricted Working Space, Add</i>	165.41	
23 31 13 13-1078 LF 54" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	627.08	336.94
<i>For 3" WG (Class B), Add</i>	84.23	
<i>For 4" Or 6" WG (Class A), Add</i>	179.70	
<i>For 10" WG (Class A), Add</i>	258.32	
<i>For Work In Restricted Working Space, Add</i>	168.47	
23 31 13 13-1079 LF 54" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	638.50	343.06
<i>For 3" WG (Class B), Add</i>	85.77	
<i>For 4" Or 6" WG (Class A), Add</i>	182.97	
<i>For 10" WG (Class A), Add</i>	263.02	
<i>For Work In Restricted Working Space, Add</i>	171.54	
23 31 13 13-1080 LF 54" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	649.91	349.20
<i>For 3" WG (Class B), Add</i>	87.30	
<i>For 4" Or 6" WG (Class A), Add</i>	186.24	
<i>For 10" WG (Class A), Add</i>	267.72	
<i>For Work In Restricted Working Space, Add</i>	174.60	
23 31 13 13-1081 LF 54" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	661.30	355.32
<i>For 3" WG (Class B), Add</i>	88.83	
<i>For 4" Or 6" WG (Class A), Add</i>	189.50	
<i>For 10" WG (Class A), Add</i>	272.41	
<i>For Work In Restricted Working Space, Add</i>	177.66	
23 31 13 13-1082 LF 54" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	672.70	361.44
<i>For 3" WG (Class B), Add</i>	90.36	
<i>For 4" Or 6" WG (Class A), Add</i>	192.77	
<i>For 10" WG (Class A), Add</i>	277.11	
<i>For Work In Restricted Working Space, Add</i>	180.72	
23 31 13 13-1083 LF 56" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	638.50	343.06
<i>For 3" WG (Class B), Add</i>	85.77	
<i>For 4" Or 6" WG (Class A), Add</i>	182.97	
<i>For 10" WG (Class A), Add</i>	263.02	
<i>For Work In Restricted Working Space, Add</i>	171.54	
23 31 13 13-1084 LF 56" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	649.91	349.20
<i>For 3" WG (Class B), Add</i>	87.30	
<i>For 4" Or 6" WG (Class A), Add</i>	186.24	
<i>For 10" WG (Class A), Add</i>	267.72	
<i>For Work In Restricted Working Space, Add</i>	174.60	
23 31 13 13-1085 LF 56" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	661.30	355.32
<i>For 3" WG (Class B), Add</i>	88.83	
<i>For 4" Or 6" WG (Class A), Add</i>	189.50	
<i>For 10" WG (Class A), Add</i>	272.41	
<i>For Work In Restricted Working Space, Add</i>	177.66	
23 31 13 13-1086 LF 56" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	672.70	361.44
<i>For 3" WG (Class B), Add</i>	90.36	
<i>For 4" Or 6" WG (Class A), Add</i>	192.77	
<i>For 10" WG (Class A), Add</i>	277.11	
<i>For Work In Restricted Working Space, Add</i>	180.72	
23 31 13 13-1087 LF 56" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	684.11	367.57
<i>For 3" WG (Class B), Add</i>	91.89	
<i>For 4" Or 6" WG (Class A), Add</i>	196.04	
<i>For 10" WG (Class A), Add</i>	281.81	
<i>For Work In Restricted Working Space, Add</i>	183.79	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-1088	LF	58" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	661.30	355.32
			<i>For 3" WG (Class B), Add</i>	88.83	
			<i>For 4" Or 6" WG (Class A), Add</i>	189.50	
			<i>For 10" WG (Class A), Add</i>	272.41	
			<i>For Work In Restricted Working Space, Add</i>	177.66	
23 31 13	13-1089	LF	58" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	672.70	361.44
			<i>For 3" WG (Class B), Add</i>	90.36	
			<i>For 4" Or 6" WG (Class A), Add</i>	192.77	
			<i>For 10" WG (Class A), Add</i>	277.11	
			<i>For Work In Restricted Working Space, Add</i>	180.72	
23 31 13	13-1090	LF	58" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	684.11	367.57
			<i>For 3" WG (Class B), Add</i>	91.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	196.04	
			<i>For 10" WG (Class A), Add</i>	281.81	
			<i>For Work In Restricted Working Space, Add</i>	183.79	
23 31 13	13-1091	LF	58" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	695.49	373.70
			<i>For 3" WG (Class B), Add</i>	93.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	199.31	
			<i>For 10" WG (Class A), Add</i>	286.50	
			<i>For Work In Restricted Working Space, Add</i>	186.85	
23 31 13	13-1092	LF	58" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	706.91	379.83
			<i>For 3" WG (Class B), Add</i>	94.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	202.57	
			<i>For 10" WG (Class A), Add</i>	291.20	
			<i>For Work In Restricted Working Space, Add</i>	189.91	
23 31 13	13-1093	LF	60" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	684.11	367.57
			<i>For 3" WG (Class B), Add</i>	91.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	196.04	
			<i>For 10" WG (Class A), Add</i>	281.81	
			<i>For Work In Restricted Working Space, Add</i>	183.79	
23 31 13	13-1094	LF	60" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	695.49	373.70
			<i>For 3" WG (Class B), Add</i>	93.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	199.31	
			<i>For 10" WG (Class A), Add</i>	286.50	
			<i>For Work In Restricted Working Space, Add</i>	186.85	
23 31 13	13-1095	LF	60" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	706.91	379.83
			<i>For 3" WG (Class B), Add</i>	94.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	202.57	
			<i>For 10" WG (Class A), Add</i>	291.20	
			<i>For Work In Restricted Working Space, Add</i>	189.91	
23 31 13	13-1096	LF	60" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	718.32	385.96
			<i>For 3" WG (Class B), Add</i>	96.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	205.84	
			<i>For 10" WG (Class A), Add</i>	295.90	
			<i>For Work In Restricted Working Space, Add</i>	192.98	
23 31 13	13-1097	LF	60" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	729.71	392.08
			<i>For 3" WG (Class B), Add</i>	98.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	209.11	
			<i>For 10" WG (Class A), Add</i>	300.60	
			<i>For Work In Restricted Working Space, Add</i>	196.04	
23 31 13	13-1098	LF	62" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	706.91	379.83
			<i>For 3" WG (Class B), Add</i>	94.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	202.57	
			<i>For 10" WG (Class A), Add</i>	291.20	
			<i>For Work In Restricted Working Space, Add</i>	189.91	
23 31 13	13-1099	LF	62" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	718.32	385.96
			<i>For 3" WG (Class B), Add</i>	96.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	205.84	
			<i>For 10" WG (Class A), Add</i>	295.90	
			<i>For Work In Restricted Working Space, Add</i>	192.98	
23 31 13	13-1100	LF	62" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	729.71	392.08
			<i>For 3" WG (Class B), Add</i>	98.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	209.11	
			<i>For 10" WG (Class A), Add</i>	300.60	
			<i>For Work In Restricted Working Space, Add</i>	196.04	
23 31 13	13-1101	LF	62" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	741.11	398.20
			<i>For 3" WG (Class B), Add</i>	99.55	
			<i>For 4" Or 6" WG (Class A), Add</i>	212.38	
			<i>For 10" WG (Class A), Add</i>	305.29	
			<i>For Work In Restricted Working Space, Add</i>	199.10	
23 31 13	13-1102	LF	62" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	752.51	404.33
			<i>For 3" WG (Class B), Add</i>	101.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	215.64	
			<i>For 10" WG (Class A), Add</i>	309.99	
			<i>For Work In Restricted Working Space, Add</i>	202.17	
23 31 13	13-1103	LF	64" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	729.71	392.08
			<i>For 3" WG (Class B), Add</i>	98.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	209.11	
			<i>For 10" WG (Class A), Add</i>	300.60	
			<i>For Work In Restricted Working Space, Add</i>	196.04	
23 31 13	13-1104	LF	64" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	741.11	398.20
			<i>For 3" WG (Class B), Add</i>	99.55	
			<i>For 4" Or 6" WG (Class A), Add</i>	212.38	
			<i>For 10" WG (Class A), Add</i>	305.29	
			<i>For Work In Restricted Working Space, Add</i>	199.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1105 LF 64" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	752.51	404.33
<i>For 3" WG (Class B), Add</i>	101.08	
<i>For 4" Or 6" WG (Class A), Add</i>	215.64	
<i>For 10" WG (Class A), Add</i>	309.99	
<i>For Work In Restricted Working Space, Add</i>	202.17	
23 31 13 13-1106 LF 64" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	763.91	410.46
<i>For 3" WG (Class B), Add</i>	102.61	
<i>For 4" Or 6" WG (Class A), Add</i>	218.91	
<i>For 10" WG (Class A), Add</i>	314.68	
<i>For Work In Restricted Working Space, Add</i>	205.23	
23 31 13 13-1107 LF 66" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	752.51	404.33
<i>For 3" WG (Class B), Add</i>	101.08	
<i>For 4" Or 6" WG (Class A), Add</i>	215.64	
<i>For 10" WG (Class A), Add</i>	309.99	
<i>For Work In Restricted Working Space, Add</i>	202.17	
23 31 13 13-1108 LF 66" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	763.91	410.46
<i>For 3" WG (Class B), Add</i>	102.61	
<i>For 4" Or 6" WG (Class A), Add</i>	218.91	
<i>For 10" WG (Class A), Add</i>	314.68	
<i>For Work In Restricted Working Space, Add</i>	205.23	
23 31 13 13-1109 LF 66" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	775.32	416.59
<i>For 3" WG (Class B), Add</i>	104.15	
<i>For 4" Or 6" WG (Class A), Add</i>	222.18	
<i>For 10" WG (Class A), Add</i>	319.38	
<i>For Work In Restricted Working Space, Add</i>	208.29	
23 31 13 13-1110 LF 66" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	786.71	422.71
<i>For 3" WG (Class B), Add</i>	105.68	
<i>For 4" Or 6" WG (Class A), Add</i>	225.44	
<i>For 10" WG (Class A), Add</i>	324.07	
<i>For Work In Restricted Working Space, Add</i>	211.35	
23 31 13 13-1111 LF 68" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	775.32	416.59
<i>For 3" WG (Class B), Add</i>	104.15	
<i>For 4" Or 6" WG (Class A), Add</i>	222.18	
<i>For 10" WG (Class A), Add</i>	319.38	
<i>For Work In Restricted Working Space, Add</i>	208.29	
23 31 13 13-1112 LF 68" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	786.71	422.71
<i>For 3" WG (Class B), Add</i>	105.68	
<i>For 4" Or 6" WG (Class A), Add</i>	225.44	
<i>For 10" WG (Class A), Add</i>	324.07	
<i>For Work In Restricted Working Space, Add</i>	211.35	
23 31 13 13-1113 LF 68" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	798.12	428.83
<i>For 3" WG (Class B), Add</i>	107.21	
<i>For 4" Or 6" WG (Class A), Add</i>	228.71	
<i>For 10" WG (Class A), Add</i>	328.78	
<i>For Work In Restricted Working Space, Add</i>	214.42	
23 31 13 13-1114 LF 68" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	809.52	434.96
<i>For 3" WG (Class B), Add</i>	108.74	
<i>For 4" Or 6" WG (Class A), Add</i>	231.98	
<i>For 10" WG (Class A), Add</i>	333.47	
<i>For Work In Restricted Working Space, Add</i>	217.48	
23 31 13 13-1115 LF 70" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	798.12	428.83
<i>For 3" WG (Class B), Add</i>	107.21	
<i>For 4" Or 6" WG (Class A), Add</i>	228.71	
<i>For 10" WG (Class A), Add</i>	328.78	
<i>For Work In Restricted Working Space, Add</i>	214.42	
23 31 13 13-1116 LF 70" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	809.52	434.96
<i>For 3" WG (Class B), Add</i>	108.74	
<i>For 4" Or 6" WG (Class A), Add</i>	231.98	
<i>For 10" WG (Class A), Add</i>	333.47	
<i>For Work In Restricted Working Space, Add</i>	217.48	
23 31 13 13-1117 LF 70" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	820.93	441.10
<i>For 3" WG (Class B), Add</i>	110.27	
<i>For 4" Or 6" WG (Class A), Add</i>	235.25	
<i>For 10" WG (Class A), Add</i>	338.17	
<i>For Work In Restricted Working Space, Add</i>	220.55	
23 31 13 13-1118 LF 70" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	832.33	447.22
<i>For 3" WG (Class B), Add</i>	111.80	
<i>For 4" Or 6" WG (Class A), Add</i>	238.52	
<i>For 10" WG (Class A), Add</i>	342.87	
<i>For Work In Restricted Working Space, Add</i>	223.61	
23 31 13 13-1119 LF 70" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	843.73	453.35
<i>For 3" WG (Class B), Add</i>	113.34	
<i>For 4" Or 6" WG (Class A), Add</i>	241.78	
<i>For 10" WG (Class A), Add</i>	347.56	
<i>For Work In Restricted Working Space, Add</i>	226.67	
23 31 13 13-1120 LF 70" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	855.11	459.47
<i>For 3" WG (Class B), Add</i>	114.87	
<i>For 4" Or 6" WG (Class A), Add</i>	245.05	
<i>For 10" WG (Class A), Add</i>	352.25	
<i>For Work In Restricted Working Space, Add</i>	229.73	
23 31 13 13-1121 LF 70" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	866.52	465.59
<i>For 3" WG (Class B), Add</i>	116.40	
<i>For 4" Or 6" WG (Class A), Add</i>	248.32	
<i>For 10" WG (Class A), Add</i>	356.96	
<i>For Work In Restricted Working Space, Add</i>	232.80	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-1122	LF	70" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	877.95	471.72
			<i>For 3" WG (Class B), Add</i>	117.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	251.59	
			<i>For 10" WG (Class A), Add</i>	361.66	
			<i>For Work In Restricted Working Space, Add</i>	235.86	
23 31 13	13-1123	LF	70" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	889.33	477.85
			<i>For 3" WG (Class B), Add</i>	119.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	254.85	
			<i>For 10" WG (Class A), Add</i>	366.35	
			<i>For Work In Restricted Working Space, Add</i>	238.92	
23 31 13	13-1124	LF	72" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	820.93	441.10
			<i>For 3" WG (Class B), Add</i>	110.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	235.25	
			<i>For 10" WG (Class A), Add</i>	338.17	
			<i>For Work In Restricted Working Space, Add</i>	220.55	
23 31 13	13-1125	LF	72" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	832.33	447.22
			<i>For 3" WG (Class B), Add</i>	111.80	
			<i>For 4" Or 6" WG (Class A), Add</i>	238.52	
			<i>For 10" WG (Class A), Add</i>	342.87	
			<i>For Work In Restricted Working Space, Add</i>	223.61	
23 31 13	13-1126	LF	72" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	843.73	453.35
			<i>For 3" WG (Class B), Add</i>	113.34	
			<i>For 4" Or 6" WG (Class A), Add</i>	241.78	
			<i>For 10" WG (Class A), Add</i>	347.56	
			<i>For Work In Restricted Working Space, Add</i>	226.67	
23 31 13	13-1127	LF	72" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	855.11	459.47
			<i>For 3" WG (Class B), Add</i>	114.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	245.05	
			<i>For 10" WG (Class A), Add</i>	352.25	
			<i>For Work In Restricted Working Space, Add</i>	229.73	
23 31 13	13-1128	LF	72" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	866.52	465.59
			<i>For 3" WG (Class B), Add</i>	116.40	
			<i>For 4" Or 6" WG (Class A), Add</i>	248.32	
			<i>For 10" WG (Class A), Add</i>	356.96	
			<i>For Work In Restricted Working Space, Add</i>	232.80	
23 31 13	13-1129	LF	72" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	877.95	471.72
			<i>For 3" WG (Class B), Add</i>	117.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	251.59	
			<i>For 10" WG (Class A), Add</i>	361.66	
			<i>For Work In Restricted Working Space, Add</i>	235.86	
23 31 13	13-1130	LF	72" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	889.33	477.85
			<i>For 3" WG (Class B), Add</i>	119.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	254.85	
			<i>For 10" WG (Class A), Add</i>	366.35	
			<i>For Work In Restricted Working Space, Add</i>	238.92	
23 31 13	13-1131	LF	72" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	900.73	483.97
			<i>For 3" WG (Class B), Add</i>	120.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	258.12	
			<i>For 10" WG (Class A), Add</i>	371.05	
			<i>For Work In Restricted Working Space, Add</i>	241.99	
23 31 13	13-1132	LF	74" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	843.73	453.35
			<i>For 3" WG (Class B), Add</i>	113.34	
			<i>For 4" Or 6" WG (Class A), Add</i>	241.78	
			<i>For 10" WG (Class A), Add</i>	347.56	
			<i>For Work In Restricted Working Space, Add</i>	226.67	
23 31 13	13-1133	LF	74" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	855.11	459.47
			<i>For 3" WG (Class B), Add</i>	114.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	245.05	
			<i>For 10" WG (Class A), Add</i>	352.25	
			<i>For Work In Restricted Working Space, Add</i>	229.73	
23 31 13	13-1134	LF	74" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	866.52	465.59
			<i>For 3" WG (Class B), Add</i>	116.40	
			<i>For 4" Or 6" WG (Class A), Add</i>	248.32	
			<i>For 10" WG (Class A), Add</i>	356.96	
			<i>For Work In Restricted Working Space, Add</i>	232.80	
23 31 13	13-1135	LF	74" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	877.95	471.72
			<i>For 3" WG (Class B), Add</i>	117.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	251.59	
			<i>For 10" WG (Class A), Add</i>	361.66	
			<i>For Work In Restricted Working Space, Add</i>	235.86	
23 31 13	13-1136	LF	74" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	889.33	477.85
			<i>For 3" WG (Class B), Add</i>	119.46	
			<i>For 4" Or 6" WG (Class A), Add</i>	254.85	
			<i>For 10" WG (Class A), Add</i>	366.35	
			<i>For Work In Restricted Working Space, Add</i>	238.92	
23 31 13	13-1137	LF	74" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	900.73	483.97
			<i>For 3" WG (Class B), Add</i>	120.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	258.12	
			<i>For 10" WG (Class A), Add</i>	371.05	
			<i>For Work In Restricted Working Space, Add</i>	241.99	
23 31 13	13-1138	LF	74" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	912.13	490.10
			<i>For 3" WG (Class B), Add</i>	122.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	261.39	
			<i>For 10" WG (Class A), Add</i>	375.74	
			<i>For Work In Restricted Working Space, Add</i>	245.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1139 LF 76" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	866.52	465.59
<i>For 3" WG (Class B), Add</i>	116.40	
<i>For 4" Or 6" WG (Class A), Add</i>	248.32	
<i>For 10" WG (Class A), Add</i>	356.96	
<i>For Work In Restricted Working Space, Add</i>	232.80	
23 31 13 13-1140 LF 76" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	877.95	471.72
<i>For 3" WG (Class B), Add</i>	117.93	
<i>For 4" Or 6" WG (Class A), Add</i>	251.59	
<i>For 10" WG (Class A), Add</i>	361.66	
<i>For Work In Restricted Working Space, Add</i>	235.86	
23 31 13 13-1141 LF 76" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	889.33	477.85
<i>For 3" WG (Class B), Add</i>	119.46	
<i>For 4" Or 6" WG (Class A), Add</i>	254.85	
<i>For 10" WG (Class A), Add</i>	366.35	
<i>For Work In Restricted Working Space, Add</i>	238.92	
23 31 13 13-1142 LF 76" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	900.73	483.97
<i>For 3" WG (Class B), Add</i>	120.99	
<i>For 4" Or 6" WG (Class A), Add</i>	258.12	
<i>For 10" WG (Class A), Add</i>	371.05	
<i>For Work In Restricted Working Space, Add</i>	241.99	
23 31 13 13-1143 LF 76" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	912.13	490.10
<i>For 3" WG (Class B), Add</i>	122.52	
<i>For 4" Or 6" WG (Class A), Add</i>	261.39	
<i>For 10" WG (Class A), Add</i>	375.74	
<i>For Work In Restricted Working Space, Add</i>	245.05	
23 31 13 13-1144 LF 76" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	923.53	496.22
<i>For 3" WG (Class B), Add</i>	124.06	
<i>For 4" Or 6" WG (Class A), Add</i>	264.65	
<i>For 10" WG (Class A), Add</i>	380.44	
<i>For Work In Restricted Working Space, Add</i>	248.11	
23 31 13 13-1145 LF 78" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	889.33	477.85
<i>For 3" WG (Class B), Add</i>	119.46	
<i>For 4" Or 6" WG (Class A), Add</i>	254.85	
<i>For 10" WG (Class A), Add</i>	366.35	
<i>For Work In Restricted Working Space, Add</i>	238.92	
23 31 13 13-1146 LF 78" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	900.73	483.97
<i>For 3" WG (Class B), Add</i>	120.99	
<i>For 4" Or 6" WG (Class A), Add</i>	258.12	
<i>For 10" WG (Class A), Add</i>	371.05	
<i>For Work In Restricted Working Space, Add</i>	241.99	
23 31 13 13-1147 LF 78" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	912.13	490.10
<i>For 3" WG (Class B), Add</i>	122.52	
<i>For 4" Or 6" WG (Class A), Add</i>	261.39	
<i>For 10" WG (Class A), Add</i>	375.74	
<i>For Work In Restricted Working Space, Add</i>	245.05	
23 31 13 13-1148 LF 78" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	923.53	496.22
<i>For 3" WG (Class B), Add</i>	124.06	
<i>For 4" Or 6" WG (Class A), Add</i>	264.65	
<i>For 10" WG (Class A), Add</i>	380.44	
<i>For Work In Restricted Working Space, Add</i>	248.11	
23 31 13 13-1149 LF 78" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	934.94	502.34
<i>For 3" WG (Class B), Add</i>	125.59	
<i>For 4" Or 6" WG (Class A), Add</i>	267.92	
<i>For 10" WG (Class A), Add</i>	385.14	
<i>For Work In Restricted Working Space, Add</i>	251.18	
23 31 13 13-1150 LF 80" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	912.13	490.10
<i>For 3" WG (Class B), Add</i>	122.52	
<i>For 4" Or 6" WG (Class A), Add</i>	261.39	
<i>For 10" WG (Class A), Add</i>	375.74	
<i>For Work In Restricted Working Space, Add</i>	245.05	
23 31 13 13-1151 LF 80" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	923.53	496.22
<i>For 3" WG (Class B), Add</i>	124.06	
<i>For 4" Or 6" WG (Class A), Add</i>	264.65	
<i>For 10" WG (Class A), Add</i>	380.44	
<i>For Work In Restricted Working Space, Add</i>	248.11	
23 31 13 13-1152 LF 80" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	934.94	502.34
<i>For 3" WG (Class B), Add</i>	125.59	
<i>For 4" Or 6" WG (Class A), Add</i>	267.92	
<i>For 10" WG (Class A), Add</i>	385.14	
<i>For Work In Restricted Working Space, Add</i>	251.18	
23 31 13 13-1153 LF 80" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	956.55	514.61
<i>For 3" WG (Class B), Add</i>	128.65	
<i>For 4" Or 6" WG (Class A), Add</i>	274.45	
<i>For 10" WG (Class A), Add</i>	394.53	
<i>For Work In Restricted Working Space, Add</i>	257.30	
23 31 13 13-1154 LF 82" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	934.94	502.34
<i>For 3" WG (Class B), Add</i>	125.59	
<i>For 4" Or 6" WG (Class A), Add</i>	267.92	
<i>For 10" WG (Class A), Add</i>	385.14	
<i>For Work In Restricted Working Space, Add</i>	251.18	
23 31 13 13-1155 LF 82" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork	946.35	508.49
<i>For 3" WG (Class B), Add</i>	127.12	
<i>For 4" Or 6" WG (Class A), Add</i>	271.19	
<i>For 10" WG (Class A), Add</i>	389.84	
<i>For Work In Restricted Working Space, Add</i>	254.24	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-1156	LF	82" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	957.74	514.61
			<i>For 3" WG (Class B), Add</i>	128.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	274.45	
			<i>For 10" WG (Class A), Add</i>	394.53	
			<i>For Work In Restricted Working Space, Add</i>	257.30	
23 31 13	13-1157	LF	84" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	957.74	514.61
			<i>For 3" WG (Class B), Add</i>	128.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	274.45	
			<i>For 10" WG (Class A), Add</i>	394.53	
			<i>For Work In Restricted Working Space, Add</i>	257.30	
23 31 13	13-1158	LF	84" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	969.15	520.73
			<i>For 3" WG (Class B), Add</i>	130.18	
			<i>For 4" Or 6" WG (Class A), Add</i>	277.72	
			<i>For 10" WG (Class A), Add</i>	399.23	
			<i>For Work In Restricted Working Space, Add</i>	260.37	
23 31 13	13-1159	LF	86" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	980.53	526.86
			<i>For 3" WG (Class B), Add</i>	131.71	
			<i>For 4" Or 6" WG (Class A), Add</i>	280.99	
			<i>For 10" WG (Class A), Add</i>	403.92	
			<i>For Work In Restricted Working Space, Add</i>	263.43	

23 31 13 16 Round and Flat-Oval Spiral Ducts (23 31 13)

23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct (23 31 13 16)
 Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85" or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

23 31 13 16-0002 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Ducts (23 31 13 16-0001)

Note: Includes straps and supports.

23 31 13	16-0003	LF	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	7.58	3.21
			<i>For 3" WG (Class B), Add</i>	0.99	
			<i>For 4" Or 6" WG (Class A), Add</i>	2.63	
			<i>For 28 Gauge, Deduct</i>	-0.14	
			<i>For 24 Gauge, Add</i>	0.14	
			<i>For 22 Gauge, Add</i>	0.28	
			<i>For 20 Gauge, Add</i>	0.42	
			<i>For 18 Gauge, Add</i>	0.56	
			<i>For 16 Gauge, Add</i>	0.68	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.75	
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Elevated Installation >10' To 15', Add</i>	0.66	
			<i>For Elevated Installation >15' To 20', Add</i>	1.31	
			<i>For Elevated Installation >20' To 25', Add</i>	1.64	
			<i>For Elevated Installation >25' To 30', Add</i>	2.30	
			<i>For Elevated Installation >30' To 35', Add</i>	2.63	
			<i>For Elevated Installation >35' To 40', Add</i>	3.29	
			<i>For Elevated Installation >40', Add</i>	3.61	
23 31 13	16-0004	LF	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	8.59	3.65
			<i>For 3" WG (Class B), Add</i>	1.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	2.92	
			<i>For 28 Gauge, Deduct</i>	-0.18	
			<i>For 24 Gauge, Add</i>	0.18	
			<i>For 22 Gauge, Add</i>	0.36	
			<i>For 20 Gauge, Add</i>	0.53	
			<i>For 18 Gauge, Add</i>	0.71	
			<i>For 16 Gauge, Add</i>	0.87	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.95	
			<i>For Work In Restricted Working Space, Add</i>	2.19	
			<i>For Elevated Installation >10' To 15', Add</i>	0.73	
			<i>For Elevated Installation >15' To 20', Add</i>	1.46	
			<i>For Elevated Installation >20' To 25', Add</i>	1.83	
			<i>For Elevated Installation >25' To 30', Add</i>	2.56	
			<i>For Elevated Installation >30' To 35', Add</i>	2.92	
			<i>For Elevated Installation >35' To 40', Add</i>	3.65	
			<i>For Elevated Installation >40', Add</i>	4.02	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
HVAC Air Distribution	23 30
HVAC Ducts and Casings	23 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0005 LF 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	9.68	4.37
For 3" WG (Class B), Add	1.23	
For 4" Or 6" WG (Class A), Add	3.28	
For 28 Gauge, Deduct	-0.20	
For 24 Gauge, Add	0.20	
For 22 Gauge, Add	0.40	
For 20 Gauge, Add	0.61	
For 18 Gauge, Add	0.81	
For 16 Gauge, Add	0.99	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.09	
For Work In Restricted Working Space, Add	2.46	
For Elevated Installation >10' To 15', Add	0.82	
For Elevated Installation >15' To 20', Add	1.64	
For Elevated Installation >20' To 25', Add	2.05	
For Elevated Installation >25' To 30', Add	2.87	
For Elevated Installation >30' To 35', Add	3.28	
For Elevated Installation >35' To 40', Add	4.11	
For Elevated Installation >40', Add	4.52	
23 31 13 16-0006 LF 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	11.12	5.11
For 3" WG (Class B), Add	1.41	
For 4" Or 6" WG (Class A), Add	3.75	
For 28 Gauge, Deduct	-0.24	
For 24 Gauge, Add	0.24	
For 22 Gauge, Add	0.48	
For 20 Gauge, Add	0.72	
For 18 Gauge, Add	0.96	
For 16 Gauge, Add	1.17	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.29	
For Work In Restricted Working Space, Add	2.81	
For Elevated Installation >10' To 15', Add	0.94	
For Elevated Installation >15' To 20', Add	1.88	
For Elevated Installation >20' To 25', Add	2.35	
For Elevated Installation >25' To 30', Add	3.28	
For Elevated Installation >30' To 35', Add	3.75	
For Elevated Installation >35' To 40', Add	4.69	
For Elevated Installation >40', Add	5.16	
23 31 13 16-0007 LF 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	12.87	5.83
For 3" WG (Class B), Add	1.64	
For 4" Or 6" WG (Class A), Add	4.38	
For 28 Gauge, Deduct	-0.27	
For 24 Gauge, Add	0.27	
For 22 Gauge, Add	0.53	
For 20 Gauge, Add	0.80	
For 18 Gauge, Add	1.06	
For 16 Gauge, Add	1.30	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.43	
For Work In Restricted Working Space, Add	3.28	
For Elevated Installation >10' To 15', Add	1.09	
For Elevated Installation >15' To 20', Add	2.19	
For Elevated Installation >20' To 25', Add	2.74	
For Elevated Installation >25' To 30', Add	3.83	
For Elevated Installation >30' To 35', Add	4.38	
For Elevated Installation >35' To 40', Add	5.47	
For Elevated Installation >40', Add	6.02	
23 31 13 16-0008 LF 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	15.51	7.29
For 3" WG (Class B), Add	1.97	
For 4" Or 6" WG (Class A), Add	5.25	
For 28 Gauge, Deduct	-0.33	
For 24 Gauge, Add	0.33	
For 22 Gauge, Add	0.66	
For 20 Gauge, Add	0.99	
For 18 Gauge, Add	1.31	
For 16 Gauge, Add	1.61	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.76	
For Work In Restricted Working Space, Add	3.94	
For Elevated Installation >10' To 15', Add	1.31	
For Elevated Installation >15' To 20', Add	2.63	
For Elevated Installation >20' To 25', Add	3.28	
For Elevated Installation >25' To 30', Add	4.60	
For Elevated Installation >30' To 35', Add	5.25	
For Elevated Installation >35' To 40', Add	6.57	
For Elevated Installation >40', Add	7.22	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0009 LF 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	19.34	9.78
For 3" WG (Class B), Add	2.46	
For 4" Or 6" WG (Class A), Add	6.56	
For 28 Gauge, Deduct	-0.41	
For 24 Gauge, Add	0.40	
For 22 Gauge, Add	0.81	
For 20 Gauge, Add	1.21	
For 18 Gauge, Add	1.61	
For 16 Gauge, Add	1.98	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.17	
For Work In Restricted Working Space, Add	4.92	
For Elevated Installation >10' To 15', Add	1.64	
For Elevated Installation >15' To 20', Add	3.28	
For Elevated Installation >20' To 25', Add	4.10	
For Elevated Installation >25' To 30', Add	5.74	
For Elevated Installation >30' To 35', Add	6.56	
For Elevated Installation >35' To 40', Add	8.21	
For Elevated Installation >40', Add	9.03	
23 31 13 16-0010 LF 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	23.93	14.59
For 3" WG (Class B), Add	3.08	
For 4" Or 6" WG (Class A), Add	8.21	
For 28 Gauge, Deduct	-0.47	
For 24 Gauge, Add	0.47	
For 22 Gauge, Add	0.94	
For 20 Gauge, Add	1.41	
For 18 Gauge, Add	1.88	
For 16 Gauge, Add	2.30	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.52	
For Work In Restricted Working Space, Add	6.16	
For Elevated Installation >10' To 15', Add	2.05	
For Elevated Installation >15' To 20', Add	4.10	
For Elevated Installation >20' To 25', Add	5.13	
For Elevated Installation >25' To 30', Add	7.18	
For Elevated Installation >30' To 35', Add	8.21	
For Elevated Installation >35' To 40', Add	10.26	
For Elevated Installation >40', Add	11.29	
23 31 13 16-0011 LF 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	32.41	19.55
For 3" WG (Class B), Add	4.10	
For 4" Or 6" WG (Class A), Add	10.94	
For 28 Gauge, Deduct	-0.70	
For 24 Gauge, Add	0.70	
For 22 Gauge, Add	1.39	
For 20 Gauge, Add	2.09	
For 18 Gauge, Add	2.78	
For 16 Gauge, Add	3.41	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.74	
For Work In Restricted Working Space, Add	8.21	
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.47	
For Elevated Installation >20' To 25', Add	6.84	
For Elevated Installation >25' To 30', Add	9.58	
For Elevated Installation >30' To 35', Add	10.94	
For Elevated Installation >35' To 40', Add	13.68	
For Elevated Installation >40', Add	15.05	
23 31 13 16-0012 LF 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	38.45	23.49
For 28 Gauge, Deduct	-0.78	
For 24 Gauge, Add	0.77	
For 22 Gauge, Add	1.55	
For 20 Gauge, Add	2.32	
For 18 Gauge, Add	3.09	
For 16 Gauge, Add	3.79	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.15	
For Work In Restricted Working Space, Add	9.85	
For Elevated Installation >10' To 15', Add	3.28	
For Elevated Installation >15' To 20', Add	6.57	
For Elevated Installation >20' To 25', Add	8.21	
For Elevated Installation >25' To 30', Add	11.49	
For Elevated Installation >30' To 35', Add	13.14	
For Elevated Installation >35' To 40', Add	16.42	
For Elevated Installation >40', Add	18.06	
23 31 13 16-0013 LF 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	44.19	27.14
For 28 Gauge, Deduct	-0.87	
For 24 Gauge, Add	0.86	
For 22 Gauge, Add	1.72	
For 20 Gauge, Add	2.59	
For 18 Gauge, Add	3.44	
For 16 Gauge, Add	4.22	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.63	
For Work In Restricted Working Space, Add	11.38	
For Elevated Installation >10' To 15', Add	3.79	
For Elevated Installation >15' To 20', Add	7.59	
For Elevated Installation >20' To 25', Add	9.49	
For Elevated Installation >25' To 30', Add	13.28	
For Elevated Installation >30' To 35', Add	15.18	
For Elevated Installation >35' To 40', Add	18.97	
For Elevated Installation >40', Add	20.87	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0014	2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows <small>(23 31 13 16-0001)</small> Note: Up to 90 degree.		
23 31 13 16-0015	EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	43.71	19.48
	For 3" WG (Class B), Add	5.84	
	For 4" Or 6" WG (Class A), Add	15.58	
	For 28 Gauge, Deduct	-0.66	
	For 24 Gauge, Add	0.66	
	For 22 Gauge, Add	1.31	
	For 20 Gauge, Add	1.97	
	For 18 Gauge, Add	2.61	
	For 16 Gauge, Add	3.21	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.52	
	For Work In Restricted Working Space, Add	11.69	
	For Elevated Installation >10' To 15', Add	3.90	
	For Elevated Installation >15' To 20', Add	7.79	
	For Elevated Installation >20' To 25', Add	9.74	
	For Elevated Installation >25' To 30', Add	13.64	
	For Elevated Installation >30' To 35', Add	15.58	
	For Elevated Installation >35' To 40', Add	19.48	
	For Elevated Installation >40', Add	21.43	
23 31 13 16-0016	EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	50.12	22.47
	For 3" WG (Class B), Add	6.74	
	For 4" Or 6" WG (Class A), Add	17.98	
	For 28 Gauge, Deduct	-0.72	
	For 24 Gauge, Add	0.71	
	For 22 Gauge, Add	1.42	
	For 20 Gauge, Add	2.14	
	For 18 Gauge, Add	2.84	
	For 16 Gauge, Add	3.49	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.83	
	For Work In Restricted Working Space, Add	13.49	
	For Elevated Installation >10' To 15', Add	4.50	
	For Elevated Installation >15' To 20', Add	8.99	
	For Elevated Installation >20' To 25', Add	11.24	
	For Elevated Installation >25' To 30', Add	15.73	
	For Elevated Installation >30' To 35', Add	17.98	
	For Elevated Installation >35' To 40', Add	22.48	
	For Elevated Installation >40', Add	24.72	
23 31 13 16-0017	EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	58.93	26.56
	For 3" WG (Class B), Add	7.97	
	For 4" Or 6" WG (Class A), Add	21.24	
	For 28 Gauge, Deduct	-0.81	
	For 24 Gauge, Add	0.80	
	For 22 Gauge, Add	1.60	
	For 20 Gauge, Add	2.41	
	For 18 Gauge, Add	3.20	
	For 16 Gauge, Add	3.93	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.31	
	For Work In Restricted Working Space, Add	15.93	
	For Elevated Installation >10' To 15', Add	5.31	
	For Elevated Installation >15' To 20', Add	10.62	
	For Elevated Installation >20' To 25', Add	13.28	
	For Elevated Installation >25' To 30', Add	18.59	
	For Elevated Installation >30' To 35', Add	21.24	
	For Elevated Installation >35' To 40', Add	26.56	
	For Elevated Installation >40', Add	29.21	
23 31 13 16-0018	EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	75.44	34.14
	For 3" WG (Class B), Add	10.24	
	For 4" Or 6" WG (Class A), Add	27.32	
	For 28 Gauge, Deduct	-0.99	
	For 24 Gauge, Add	0.99	
	For 22 Gauge, Add	1.97	
	For 20 Gauge, Add	2.96	
	For 18 Gauge, Add	3.93	
	For 16 Gauge, Add	4.83	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.29	
	For Work In Restricted Working Space, Add	20.49	
	For Elevated Installation >10' To 15', Add	6.83	
	For Elevated Installation >15' To 20', Add	13.66	
	For Elevated Installation >20' To 25', Add	17.07	
	For Elevated Installation >25' To 30', Add	23.90	
	For Elevated Installation >30' To 35', Add	27.32	
	For Elevated Installation >35' To 40', Add	34.15	
	For Elevated Installation >40', Add	37.56	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0019	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	90.89	41.59
			For 3" WG (Class B), Add	12.48	
			For 4" Or 6" WG (Class A), Add	33.27	
			For 28 Gauge, Deduct	-1.07	
			For 24 Gauge, Add	1.07	
			For 22 Gauge, Add	2.13	
			For 20 Gauge, Add	3.20	
			For 18 Gauge, Add	4.25	
			For 16 Gauge, Add	5.21	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.71	
			For Work In Restricted Working Space, Add	24.95	
			For Elevated Installation >10' To 15', Add	8.32	
			For Elevated Installation >15' To 20', Add	16.63	
			For Elevated Installation >20' To 25', Add	20.79	
			For Elevated Installation >25' To 30', Add	29.11	
			For Elevated Installation >30' To 35', Add	33.27	
			For Elevated Installation >35' To 40', Add	41.59	
			For Elevated Installation >40', Add	45.74	
23 31 13 16-0020	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	140.06	64.94
			For 3" WG (Class B), Add	19.48	
			For 4" Or 6" WG (Class A), Add	51.95	
			For 28 Gauge, Deduct	-1.41	
			For 24 Gauge, Add	1.41	
			For 22 Gauge, Add	2.81	
			For 20 Gauge, Add	4.22	
			For 18 Gauge, Add	5.60	
			For 16 Gauge, Add	6.88	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.54	
			For Work In Restricted Working Space, Add	38.96	
			For Elevated Installation >10' To 15', Add	12.99	
			For Elevated Installation >15' To 20', Add	25.97	
			For Elevated Installation >20' To 25', Add	32.47	
			For Elevated Installation >25' To 30', Add	45.45	
			For Elevated Installation >30' To 35', Add	51.95	
			For Elevated Installation >35' To 40', Add	64.94	
			For Elevated Installation >40', Add	71.43	
23 31 13 16-0021	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	193.28	89.74
			For 3" WG (Class B), Add	26.92	
			For 4" Or 6" WG (Class A), Add	71.79	
			For 28 Gauge, Deduct	-1.91	
			For 24 Gauge, Add	1.90	
			For 22 Gauge, Add	3.80	
			For 20 Gauge, Add	5.71	
			For 18 Gauge, Add	7.59	
			For 16 Gauge, Add	9.32	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.21	
			For Work In Restricted Working Space, Add	53.84	
			For Elevated Installation >10' To 15', Add	17.95	
			For Elevated Installation >15' To 20', Add	35.90	
			For Elevated Installation >20' To 25', Add	44.87	
			For Elevated Installation >25' To 30', Add	62.82	
			For Elevated Installation >30' To 35', Add	71.79	
			For Elevated Installation >35' To 40', Add	89.74	
			For Elevated Installation >40', Add	98.71	
23 31 13 16-0022	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	233.48	106.15
			For 3" WG (Class B), Add	31.85	
			For 4" Or 6" WG (Class A), Add	84.93	
			For 28 Gauge, Deduct	-2.93	
			For 24 Gauge, Add	2.92	
			For 22 Gauge, Add	5.83	
			For 20 Gauge, Add	8.76	
			For 18 Gauge, Add	11.64	
			For 16 Gauge, Add	14.28	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.66	
			For Work In Restricted Working Space, Add	63.70	
			For Elevated Installation >10' To 15', Add	21.23	
			For Elevated Installation >15' To 20', Add	42.46	
			For Elevated Installation >20' To 25', Add	53.08	
			For Elevated Installation >25' To 30', Add	74.31	
			For Elevated Installation >30' To 35', Add	84.93	
			For Elevated Installation >35' To 40', Add	106.16	
			For Elevated Installation >40', Add	116.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0023 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	263.81	116.73
For 3" WG (Class B), Add	35.02	
For 4" Or 6" WG (Class A), Add	93.39	
For 28 Gauge, Deduct	-4.20	
For 24 Gauge, Add	4.19	
For 22 Gauge, Add	8.36	
For 20 Gauge, Add	12.56	
For 18 Gauge, Add	16.68	
For 16 Gauge, Add	20.47	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.44	
For Work In Restricted Working Space, Add	70.04	
For Elevated Installation >10' To 15', Add	23.35	
For Elevated Installation >15' To 20', Add	46.70	
For Elevated Installation >20' To 25', Add	58.37	
For Elevated Installation >25' To 30', Add	81.72	
For Elevated Installation >30' To 35', Add	93.39	
For Elevated Installation >35' To 40', Add	116.74	
For Elevated Installation >40', Add	128.41	
23 31 13 16-0024 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	288.37	121.48
For 3" WG (Class B), Add	36.44	
For 4" Or 6" WG (Class A), Add	97.18	
For 28 Gauge, Deduct	-6.29	
For 24 Gauge, Add	6.27	
For 22 Gauge, Add	12.51	
For 20 Gauge, Add	18.80	
For 18 Gauge, Add	24.98	
For 16 Gauge, Add	30.65	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.60	
For Work In Restricted Working Space, Add	72.89	
For Elevated Installation >10' To 15', Add	24.30	
For Elevated Installation >15' To 20', Add	48.59	
For Elevated Installation >20' To 25', Add	60.74	
For Elevated Installation >25' To 30', Add	85.04	
For Elevated Installation >30' To 35', Add	97.18	
For Elevated Installation >35' To 40', Add	121.48	
For Elevated Installation >40', Add	133.63	
For 10" WG (Class A), Add	111.76	
23 31 13 16-0025 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	311.52	125.49
For 3" WG (Class B), Add	37.65	
For 4" Or 6" WG (Class A), Add	100.39	
For 28 Gauge, Deduct	-8.38	
For 24 Gauge, Add	8.35	
For 22 Gauge, Add	16.68	
For 20 Gauge, Add	25.06	
For 18 Gauge, Add	33.30	
For 16 Gauge, Add	40.86	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	44.80	
For Work In Restricted Working Space, Add	75.29	
For Elevated Installation >10' To 15', Add	25.10	
For Elevated Installation >15' To 20', Add	50.20	
For Elevated Installation >20' To 25', Add	62.75	
For Elevated Installation >25' To 30', Add	87.84	
For Elevated Installation >30' To 35', Add	100.39	
For Elevated Installation >35' To 40', Add	125.49	
For Elevated Installation >40', Add	138.04	
For 10" WG (Class A), Add	115.45	
23 31 13 16-0026 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0027 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	36.83	13.13
For 3" WG (Class B), Add	4.93	
For 4" Or 6" WG (Class A), Add	13.14	
For 28 Gauge, Deduct	-0.55	
For 24 Gauge, Add	0.55	
For 22 Gauge, Add	1.10	
For 20 Gauge, Add	1.65	
For 18 Gauge, Add	2.19	
For 16 Gauge, Add	2.69	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.95	
For Work In Restricted Working Space, Add	9.85	
For Elevated Installation >10' To 15', Add	3.28	
For Elevated Installation >15' To 20', Add	6.57	
For Elevated Installation >20' To 25', Add	8.21	
For Elevated Installation >25' To 30', Add	11.49	
For Elevated Installation >30' To 35', Add	13.14	
For Elevated Installation >35' To 40', Add	16.42	
For Elevated Installation >40', Add	18.06	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0028	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	42.07	15.03
			For 3" WG (Class B), Add	5.63	
			For 4" Or 6" WG (Class A), Add	15.01	
			For 28 Gauge, Deduct	-0.63	
			For 24 Gauge, Add	0.63	
			For 22 Gauge, Add	1.25	
			For 20 Gauge, Add	1.88	
			For 18 Gauge, Add	2.50	
			For 16 Gauge, Add	3.07	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.37	
			For Work In Restricted Working Space, Add	11.26	
			For Elevated Installation >10' To 15', Add	3.75	
			For Elevated Installation >15' To 20', Add	7.50	
			For Elevated Installation >20' To 25', Add	9.38	
			For Elevated Installation >25' To 30', Add	13.13	
			For Elevated Installation >30' To 35', Add	15.01	
			For Elevated Installation >35' To 40', Add	18.76	
			For Elevated Installation >40', Add	20.64	
23 31 13 16-0029	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	48.97	17.51
			For 3" WG (Class B), Add	6.57	
			For 4" Or 6" WG (Class A), Add	17.51	
			For 28 Gauge, Deduct	-0.72	
			For 24 Gauge, Add	0.72	
			For 22 Gauge, Add	1.43	
			For 20 Gauge, Add	2.15	
			For 18 Gauge, Add	2.85	
			For 16 Gauge, Add	3.50	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.84	
			For Work In Restricted Working Space, Add	13.13	
			For Elevated Installation >10' To 15', Add	4.38	
			For Elevated Installation >15' To 20', Add	8.76	
			For Elevated Installation >20' To 25', Add	10.95	
			For Elevated Installation >25' To 30', Add	15.32	
			For Elevated Installation >30' To 35', Add	17.51	
			For Elevated Installation >35' To 40', Add	21.89	
			For Elevated Installation >40', Add	24.08	
23 31 13 16-0030	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	58.02	21.01
			For 3" WG (Class B), Add	7.88	
			For 4" Or 6" WG (Class A), Add	21.01	
			For 28 Gauge, Deduct	-0.76	
			For 24 Gauge, Add	0.76	
			For 22 Gauge, Add	1.51	
			For 20 Gauge, Add	2.27	
			For 18 Gauge, Add	3.02	
			For 16 Gauge, Add	3.71	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.06	
			For Work In Restricted Working Space, Add	15.76	
			For Elevated Installation >10' To 15', Add	5.25	
			For Elevated Installation >15' To 20', Add	10.51	
			For Elevated Installation >20' To 25', Add	13.13	
			For Elevated Installation >25' To 30', Add	18.39	
			For Elevated Installation >30' To 35', Add	21.01	
			For Elevated Installation >35' To 40', Add	26.27	
			For Elevated Installation >40', Add	28.89	
23 31 13 16-0031	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	72.04	26.27
			For 3" WG (Class B), Add	9.85	
			For 4" Or 6" WG (Class A), Add	26.26	
			For 28 Gauge, Deduct	-0.88	
			For 24 Gauge, Add	0.88	
			For 22 Gauge, Add	1.76	
			For 20 Gauge, Add	2.64	
			For 18 Gauge, Add	3.51	
			For 16 Gauge, Add	4.31	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.72	
			For Work In Restricted Working Space, Add	19.70	
			For Elevated Installation >10' To 15', Add	6.57	
			For Elevated Installation >15' To 20', Add	13.13	
			For Elevated Installation >20' To 25', Add	16.42	
			For Elevated Installation >25' To 30', Add	22.98	
			For Elevated Installation >30' To 35', Add	26.26	
			For Elevated Installation >35' To 40', Add	32.83	
			For Elevated Installation >40', Add	36.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0032 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree		
Elbow.....	96.67	35.02
<i>For 3" WG (Class B), Add</i>	13.13	
<i>For 4" Or 6" WG (Class A), Add</i>	35.02	
<i>For 28 Gauge, Deduct</i>	-1.26	
<i>For 24 Gauge, Add</i>	1.26	
<i>For 22 Gauge, Add</i>	2.51	
<i>For 20 Gauge, Add</i>	3.77	
<i>For 18 Gauge, Add</i>	5.01	
<i>For 16 Gauge, Add</i>	6.15	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.74	
<i>For Work In Restricted Working Space, Add</i>	26.27	
<i>For Elevated Installation >10' To 15', Add</i>	8.76	
<i>For Elevated Installation >15' To 20', Add</i>	17.51	
<i>For Elevated Installation >20' To 25', Add</i>	21.89	
<i>For Elevated Installation >25' To 30', Add</i>	30.65	
<i>For Elevated Installation >30' To 35', Add</i>	35.02	
<i>For Elevated Installation >35' To 40', Add</i>	43.78	
<i>For Elevated Installation >40', Add</i>	48.16	
23 31 13 16-0033 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree		
Elbow.....	143.38	52.53
<i>For 3" WG (Class B), Add</i>	19.70	
<i>For 4" Or 6" WG (Class A), Add</i>	52.53	
<i>For 28 Gauge, Deduct</i>	-1.67	
<i>For 24 Gauge, Add</i>	1.66	
<i>For 22 Gauge, Add</i>	3.32	
<i>For 20 Gauge, Add</i>	4.99	
<i>For 18 Gauge, Add</i>	6.63	
<i>For 16 Gauge, Add</i>	8.13	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.92	
<i>For Work In Restricted Working Space, Add</i>	39.40	
<i>For Elevated Installation >10' To 15', Add</i>	13.13	
<i>For Elevated Installation >15' To 20', Add</i>	26.27	
<i>For Elevated Installation >20' To 25', Add</i>	32.83	
<i>For Elevated Installation >25' To 30', Add</i>	45.97	
<i>For Elevated Installation >30' To 35', Add</i>	52.53	
<i>For Elevated Installation >35' To 40', Add</i>	65.67	
<i>For Elevated Installation >40', Add</i>	72.23	
23 31 13 16-0034 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree		
Elbow.....	190.37	67.12
<i>For 3" WG (Class B), Add</i>	25.17	
<i>For 4" Or 6" WG (Class A), Add</i>	67.12	
<i>For 28 Gauge, Deduct</i>	-3.12	
<i>For 24 Gauge, Add</i>	3.11	
<i>For 22 Gauge, Add</i>	6.22	
<i>For 20 Gauge, Add</i>	9.34	
<i>For 18 Gauge, Add</i>	12.41	
<i>For 16 Gauge, Add</i>	15.23	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.69	
<i>For Work In Restricted Working Space, Add</i>	50.34	
<i>For Elevated Installation >10' To 15', Add</i>	16.78	
<i>For Elevated Installation >15' To 20', Add</i>	33.56	
<i>For Elevated Installation >20' To 25', Add</i>	41.95	
<i>For Elevated Installation >25' To 30', Add</i>	58.73	
<i>For Elevated Installation >30' To 35', Add</i>	67.12	
<i>For Elevated Installation >35' To 40', Add</i>	83.91	
<i>For Elevated Installation >40', Add</i>	92.30	
23 31 13 16-0035 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree		
Elbow.....	239.20	84.63
<i>For 3" WG (Class B), Add</i>	31.74	
<i>For 4" Or 6" WG (Class A), Add</i>	84.64	
<i>For 28 Gauge, Deduct</i>	-3.82	
<i>For 24 Gauge, Add</i>	3.81	
<i>For 22 Gauge, Add</i>	7.61	
<i>For 20 Gauge, Add</i>	11.43	
<i>For 18 Gauge, Add</i>	15.19	
<i>For 16 Gauge, Add</i>	18.64	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.43	
<i>For Work In Restricted Working Space, Add</i>	63.48	
<i>For Elevated Installation >10' To 15', Add</i>	21.16	
<i>For Elevated Installation >15' To 20', Add</i>	42.32	
<i>For Elevated Installation >20' To 25', Add</i>	52.90	
<i>For Elevated Installation >25' To 30', Add</i>	74.06	
<i>For Elevated Installation >30' To 35', Add</i>	84.64	
<i>For Elevated Installation >35' To 40', Add</i>	105.80	
<i>For Elevated Installation >40', Add</i>	116.37	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0036	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	263.23	88.28
			For 3" WG (Class B), Add	33.05	
			For 4" Or 6" WG (Class A), Add	88.14	
			For 28 Gauge, Deduct	-5.94	
			For 24 Gauge, Add	5.92	
			For 22 Gauge, Add	11.82	
			For 20 Gauge, Add	17.76	
			For 18 Gauge, Add	23.59	
			For 16 Gauge, Add	28.95	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.74	
			For Work In Restricted Working Space, Add	66.10	
			For Elevated Installation >10' To 15', Add	22.03	
			For Elevated Installation >15' To 20', Add	44.07	
			For Elevated Installation >20' To 25', Add	55.09	
			For Elevated Installation >25' To 30', Add	77.12	
			For Elevated Installation >30' To 35', Add	88.14	
			For Elevated Installation >35' To 40', Add	110.17	
			For Elevated Installation >40', Add	121.19	
			For 10" WG (Class A), Add	101.36	
23 31 13 16-0037	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	283.35	90.47
			For 3" WG (Class B), Add	33.93	
			For 4" Or 6" WG (Class A), Add	90.47	
			For 28 Gauge, Deduct	-7.92	
			For 24 Gauge, Add	7.89	
			For 22 Gauge, Add	15.75	
			For 20 Gauge, Add	23.67	
			For 18 Gauge, Add	31.45	
			For 16 Gauge, Add	38.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.31	
			For Work In Restricted Working Space, Add	67.85	
			For Elevated Installation >10' To 15', Add	22.62	
			For Elevated Installation >15' To 20', Add	45.23	
			For Elevated Installation >20' To 25', Add	56.54	
			For Elevated Installation >25' To 30', Add	79.16	
			For Elevated Installation >30' To 35', Add	90.47	
			For Elevated Installation >35' To 40', Add	113.09	
			For Elevated Installation >40', Add	124.39	
			For 10" WG (Class A), Add	104.04	
23 31 13 16-0038			2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0039	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	35.35	13.13
			For 3" WG (Class B), Add	4.93	
			For 4" Or 6" WG (Class A), Add	13.14	
			For 28 Gauge, Deduct	-0.35	
			For 24 Gauge, Add	0.35	
			For 22 Gauge, Add	0.69	
			For 20 Gauge, Add	1.04	
			For 18 Gauge, Add	1.38	
			For 16 Gauge, Add	1.69	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.86	
			For Work In Restricted Working Space, Add	9.85	
			For Elevated Installation >10' To 15', Add	3.28	
			For Elevated Installation >15' To 20', Add	6.57	
			For Elevated Installation >20' To 25', Add	8.21	
			For Elevated Installation >25' To 30', Add	11.49	
			For Elevated Installation >30' To 35', Add	13.14	
			For Elevated Installation >35' To 40', Add	16.42	
			For Elevated Installation >40', Add	18.06	
23 31 13 16-0040	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	40.74	15.03
			For 3" WG (Class B), Add	5.63	
			For 4" Or 6" WG (Class A), Add	15.01	
			For 28 Gauge, Deduct	-0.45	
			For 24 Gauge, Add	0.44	
			For 22 Gauge, Add	0.89	
			For 20 Gauge, Add	1.33	
			For 18 Gauge, Add	1.77	
			For 16 Gauge, Add	2.17	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.38	
			For Work In Restricted Working Space, Add	11.26	
			For Elevated Installation >10' To 15', Add	3.75	
			For Elevated Installation >15' To 20', Add	7.50	
			For Elevated Installation >20' To 25', Add	9.38	
			For Elevated Installation >25' To 30', Add	13.13	
			For Elevated Installation >30' To 35', Add	15.01	
			For Elevated Installation >35' To 40', Add	18.76	
			For Elevated Installation >40', Add	20.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0041 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	47.30	17.51
<i>For 3" WG (Class B), Add</i>	6.57	
<i>For 4" Or 6" WG (Class A), Add</i>	17.51	
<i>For 28 Gauge, Deduct</i>	-0.49	
<i>For 24 Gauge, Add</i>	0.49	
<i>For 22 Gauge, Add</i>	0.97	
<i>For 20 Gauge, Add</i>	1.46	
<i>For 18 Gauge, Add</i>	1.94	
<i>For 16 Gauge, Add</i>	2.38	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.60	
<i>For Work In Restricted Working Space, Add</i>	13.13	
<i>For Elevated Installation >10' To 15', Add</i>	4.38	
<i>For Elevated Installation >15' To 20', Add</i>	8.76	
<i>For Elevated Installation >20' To 25', Add</i>	10.95	
<i>For Elevated Installation >25' To 30', Add</i>	15.32	
<i>For Elevated Installation >30' To 35', Add</i>	17.51	
<i>For Elevated Installation >35' To 40', Add</i>	21.89	
<i>For Elevated Installation >40', Add</i>	24.08	
23 31 13 16-0042 EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	56.61	21.01
<i>For 3" WG (Class B), Add</i>	7.88	
<i>For 4" Or 6" WG (Class A), Add</i>	21.01	
<i>For 28 Gauge, Deduct</i>	-0.57	
<i>For 24 Gauge, Add</i>	0.56	
<i>For 22 Gauge, Add</i>	1.12	
<i>For 20 Gauge, Add</i>	1.69	
<i>For 18 Gauge, Add</i>	2.24	
<i>For 16 Gauge, Add</i>	2.75	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.02	
<i>For Work In Restricted Working Space, Add</i>	15.76	
<i>For Elevated Installation >10' To 15', Add</i>	5.25	
<i>For Elevated Installation >15' To 20', Add</i>	10.51	
<i>For Elevated Installation >20' To 25', Add</i>	13.13	
<i>For Elevated Installation >25' To 30', Add</i>	18.39	
<i>For Elevated Installation >30' To 35', Add</i>	21.01	
<i>For Elevated Installation >35' To 40', Add</i>	26.27	
<i>For Elevated Installation >40', Add</i>	28.89	
23 31 13 16-0043 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	70.30	26.27
<i>For 3" WG (Class B), Add</i>	9.85	
<i>For 4" Or 6" WG (Class A), Add</i>	26.26	
<i>For 28 Gauge, Deduct</i>	-0.64	
<i>For 24 Gauge, Add</i>	0.64	
<i>For 22 Gauge, Add</i>	1.28	
<i>For 20 Gauge, Add</i>	1.92	
<i>For 18 Gauge, Add</i>	2.55	
<i>For 16 Gauge, Add</i>	3.13	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.43	
<i>For Work In Restricted Working Space, Add</i>	19.70	
<i>For Elevated Installation >10' To 15', Add</i>	6.57	
<i>For Elevated Installation >15' To 20', Add</i>	13.13	
<i>For Elevated Installation >20' To 25', Add</i>	16.42	
<i>For Elevated Installation >25' To 30', Add</i>	22.98	
<i>For Elevated Installation >30' To 35', Add</i>	26.26	
<i>For Elevated Installation >35' To 40', Add</i>	32.83	
<i>For Elevated Installation >40', Add</i>	36.11	
23 31 13 16-0044 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	94.64	35.02
<i>For 3" WG (Class B), Add</i>	13.13	
<i>For 4" Or 6" WG (Class A), Add</i>	35.02	
<i>For 28 Gauge, Deduct</i>	-0.98	
<i>For 24 Gauge, Add</i>	0.98	
<i>For 22 Gauge, Add</i>	1.95	
<i>For 20 Gauge, Add</i>	2.93	
<i>For 18 Gauge, Add</i>	3.89	
<i>For 16 Gauge, Add</i>	4.78	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.24	
<i>For Work In Restricted Working Space, Add</i>	26.27	
<i>For Elevated Installation >10' To 15', Add</i>	8.76	
<i>For Elevated Installation >15' To 20', Add</i>	17.51	
<i>For Elevated Installation >20' To 25', Add</i>	21.89	
<i>For Elevated Installation >25' To 30', Add</i>	30.65	
<i>For Elevated Installation >30' To 35', Add</i>	35.02	
<i>For Elevated Installation >35' To 40', Add</i>	43.78	
<i>For Elevated Installation >40', Add</i>	48.16	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0045	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	140.44	52.53
			For 3" WG (Class B), Add	19.70	
			For 4" Or 6" WG (Class A), Add	52.53	
			For 28 Gauge, Deduct	-1.26	
			For 24 Gauge, Add	1.26	
			For 22 Gauge, Add	2.51	
			For 20 Gauge, Add	3.77	
			For 18 Gauge, Add	5.01	
			For 16 Gauge, Add	6.15	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.74	
			For Work In Restricted Working Space, Add	39.40	
			For Elevated Installation >10' To 15', Add	13.13	
			For Elevated Installation >15' To 20', Add	26.27	
			For Elevated Installation >20' To 25', Add	32.83	
			For Elevated Installation >25' To 30', Add	45.97	
			For Elevated Installation >30' To 35', Add	52.53	
			For Elevated Installation >35' To 40', Add	65.67	
			For Elevated Installation >40', Add	72.23	
23 31 13 16-0046	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	183.58	67.12
			For 3" WG (Class B), Add	25.17	
			For 4" Or 6" WG (Class A), Add	67.12	
			For 28 Gauge, Deduct	-2.18	
			For 24 Gauge, Add	2.18	
			For 22 Gauge, Add	4.34	
			For 20 Gauge, Add	6.53	
			For 18 Gauge, Add	8.67	
			For 16 Gauge, Add	10.64	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.67	
			For Work In Restricted Working Space, Add	50.34	
			For Elevated Installation >10' To 15', Add	16.78	
			For Elevated Installation >15' To 20', Add	33.56	
			For Elevated Installation >20' To 25', Add	41.95	
			For Elevated Installation >25' To 30', Add	58.73	
			For Elevated Installation >30' To 35', Add	67.12	
			For Elevated Installation >35' To 40', Add	83.91	
			For Elevated Installation >40', Add	92.30	
23 31 13 16-0047	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	237.45	84.63
			For 3" WG (Class B), Add	31.74	
			For 4" Or 6" WG (Class A), Add	84.64	
			For 28 Gauge, Deduct	-3.58	
			For 24 Gauge, Add	3.57	
			For 22 Gauge, Add	7.12	
			For 20 Gauge, Add	10.71	
			For 18 Gauge, Add	14.22	
			For 16 Gauge, Add	17.46	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.14	
			For Work In Restricted Working Space, Add	63.48	
			For Elevated Installation >10' To 15', Add	21.16	
			For Elevated Installation >15' To 20', Add	42.32	
			For Elevated Installation >20' To 25', Add	52.90	
			For Elevated Installation >25' To 30', Add	74.06	
			For Elevated Installation >30' To 35', Add	84.64	
			For Elevated Installation >35' To 40', Add	105.80	
			For Elevated Installation >40', Add	116.37	
23 31 13 16-0048	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	251.59	88.28
			For 3" WG (Class B), Add	33.05	
			For 4" Or 6" WG (Class A), Add	88.14	
			For 28 Gauge, Deduct	-4.33	
			For 24 Gauge, Add	4.31	
			For 22 Gauge, Add	8.61	
			For 20 Gauge, Add	12.94	
			For 18 Gauge, Add	17.19	
			For 16 Gauge, Add	21.09	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.13	
			For Work In Restricted Working Space, Add	66.10	
			For Elevated Installation >10' To 15', Add	22.03	
			For Elevated Installation >15' To 20', Add	44.07	
			For Elevated Installation >20' To 25', Add	55.09	
			For Elevated Installation >25' To 30', Add	77.12	
			For Elevated Installation >30' To 35', Add	88.14	
			For Elevated Installation >35' To 40', Add	110.17	
			For Elevated Installation >40', Add	121.19	
			For 10" WG (Class A), Add	101.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0049 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	266.21	90.47
For 3" WG (Class B), Add	33.93	
For 4" Or 6" WG (Class A), Add	90.47	
For 28 Gauge, Deduct	-5.55	
For 24 Gauge, Add	5.53	
For 22 Gauge, Add	11.03	
For 20 Gauge, Add	16.58	
For 18 Gauge, Add	22.02	
For 16 Gauge, Add	27.03	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.63	
For Work In Restricted Working Space, Add	67.85	
For Elevated Installation >10' To 15', Add	22.62	
For Elevated Installation >15' To 20', Add	45.23	
For Elevated Installation >20' To 25', Add	56.54	
For Elevated Installation >25' To 30', Add	79.16	
For Elevated Installation >30' To 35', Add	90.47	
For Elevated Installation >35' To 40', Add	113.09	
For Elevated Installation >40', Add	124.39	
For 10" WG (Class A), Add	104.04	
23 31 13 16-0050 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tees (23 31 13 16-0001)		
23 31 13 16-0051 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	54.84	19.70
For 3" WG (Class B), Add	7.39	
For 4" Or 6" WG (Class A), Add	19.70	
For 28 Gauge, Deduct	-0.77	
For 24 Gauge, Add	0.77	
For 22 Gauge, Add	1.54	
For 20 Gauge, Add	2.31	
For 18 Gauge, Add	3.07	
For 16 Gauge, Add	3.77	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.14	
For Work In Restricted Working Space, Add	14.78	
For Elevated Installation >10' To 15', Add	4.93	
For Elevated Installation >15' To 20', Add	9.85	
For Elevated Installation >20' To 25', Add	12.31	
For Elevated Installation >25' To 30', Add	17.24	
For Elevated Installation >30' To 35', Add	19.70	
For Elevated Installation >35' To 40', Add	24.63	
For Elevated Installation >40', Add	27.09	
23 31 13 16-0052 EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	63.72	22.47
For 3" WG (Class B), Add	8.44	
For 4" Or 6" WG (Class A), Add	22.52	
For 28 Gauge, Deduct	-1.03	
For 24 Gauge, Add	1.03	
For 22 Gauge, Add	2.05	
For 20 Gauge, Add	3.08	
For 18 Gauge, Add	4.09	
For 16 Gauge, Add	5.02	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.50	
For Work In Restricted Working Space, Add	16.89	
For Elevated Installation >10' To 15', Add	5.63	
For Elevated Installation >15' To 20', Add	11.26	
For Elevated Installation >20' To 25', Add	14.07	
For Elevated Installation >25' To 30', Add	19.70	
For Elevated Installation >30' To 35', Add	22.52	
For Elevated Installation >35' To 40', Add	28.15	
For Elevated Installation >40', Add	30.96	
23 31 13 16-0053 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	73.72	26.27
For 3" WG (Class B), Add	9.85	
For 4" Or 6" WG (Class A), Add	26.26	
For 28 Gauge, Deduct	-1.12	
For 24 Gauge, Add	1.11	
For 22 Gauge, Add	2.22	
For 20 Gauge, Add	3.34	
For 18 Gauge, Add	4.43	
For 16 Gauge, Add	5.44	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.96	
For Work In Restricted Working Space, Add	19.70	
For Elevated Installation >10' To 15', Add	6.57	
For Elevated Installation >15' To 20', Add	13.13	
For Elevated Installation >20' To 25', Add	16.42	
For Elevated Installation >25' To 30', Add	22.98	
For Elevated Installation >30' To 35', Add	26.26	
For Elevated Installation >35' To 40', Add	32.83	
For Elevated Installation >40', Add	36.11	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0054	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	88.07	31.52
			For 3" WG (Class B), Add	11.82	
			For 4" Or 6" WG (Class A), Add	31.52	
			For 28 Gauge, Deduct	-1.29	
			For 24 Gauge, Add	1.28	
			For 22 Gauge, Add	2.56	
			For 20 Gauge, Add	3.84	
			For 18 Gauge, Add	5.10	
			For 16 Gauge, Add	6.26	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.87	
			For Work In Restricted Working Space, Add	23.64	
			For Elevated Installation >10' To 15', Add	7.88	
			For Elevated Installation >15' To 20', Add	15.76	
			For Elevated Installation >20' To 25', Add	19.70	
			For Elevated Installation >25' To 30', Add	27.58	
			For Elevated Installation >30' To 35', Add	31.52	
			For Elevated Installation >35' To 40', Add	39.40	
			For Elevated Installation >40', Add	43.33	
23 31 13 16-0055	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	113.51	39.39
			For 3" WG (Class B), Add	14.78	
			For 4" Or 6" WG (Class A), Add	39.40	
			For 28 Gauge, Deduct	-2.08	
			For 24 Gauge, Add	2.07	
			For 22 Gauge, Add	4.13	
			For 20 Gauge, Add	6.21	
			For 18 Gauge, Add	8.25	
			For 16 Gauge, Add	10.13	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.10	
			For Work In Restricted Working Space, Add	29.55	
			For Elevated Installation >10' To 15', Add	9.85	
			For Elevated Installation >15' To 20', Add	19.70	
			For Elevated Installation >20' To 25', Add	24.63	
			For Elevated Installation >25' To 30', Add	34.48	
			For Elevated Installation >30' To 35', Add	39.40	
			For Elevated Installation >35' To 40', Add	49.26	
			For Elevated Installation >40', Add	54.18	
23 31 13 16-0056	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	150.46	52.53
			For 3" WG (Class B), Add	19.70	
			For 4" Or 6" WG (Class A), Add	52.53	
			For 28 Gauge, Deduct	-2.65	
			For 24 Gauge, Add	2.64	
			For 22 Gauge, Add	5.27	
			For 20 Gauge, Add	7.92	
			For 18 Gauge, Add	10.52	
			For 16 Gauge, Add	12.91	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.16	
			For Work In Restricted Working Space, Add	39.40	
			For Elevated Installation >10' To 15', Add	13.13	
			For Elevated Installation >15' To 20', Add	26.27	
			For Elevated Installation >20' To 25', Add	32.83	
			For Elevated Installation >25' To 30', Add	45.97	
			For Elevated Installation >30' To 35', Add	52.53	
			For Elevated Installation >35' To 40', Add	65.67	
			For Elevated Installation >40', Add	72.23	
23 31 13 16-0057	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	216.08	78.80
			For 3" WG (Class B), Add	29.54	
			For 4" Or 6" WG (Class A), Add	78.78	
			For 28 Gauge, Deduct	-2.65	
			For 24 Gauge, Add	2.64	
			For 22 Gauge, Add	5.27	
			For 20 Gauge, Add	7.92	
			For 18 Gauge, Add	10.52	
			For 16 Gauge, Add	12.91	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.16	
			For Work In Restricted Working Space, Add	59.09	
			For Elevated Installation >10' To 15', Add	19.70	
			For Elevated Installation >15' To 20', Add	39.39	
			For Elevated Installation >20' To 25', Add	49.24	
			For Elevated Installation >25' To 30', Add	68.93	
			For Elevated Installation >30' To 35', Add	78.78	
			For Elevated Installation >35' To 40', Add	98.48	
			For Elevated Installation >40', Add	108.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0058 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	288.03	100.39
For 3" WG (Class B), Add	37.74	
For 4" Or 6" WG (Class A), Add	100.64	
For 28 Gauge, Deduct	-5.05	
For 24 Gauge, Add	5.03	
For 22 Gauge, Add	10.04	
For 20 Gauge, Add	15.09	
For 18 Gauge, Add	20.04	
For 16 Gauge, Add	24.60	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.97	
For Work In Restricted Working Space, Add	75.48	
For Elevated Installation >10' To 15', Add	25.16	
For Elevated Installation >15' To 20', Add	50.32	
For Elevated Installation >20' To 25', Add	62.90	
For Elevated Installation >25' To 30', Add	88.06	
For Elevated Installation >30' To 35', Add	100.64	
For Elevated Installation >35' To 40', Add	125.80	
For Elevated Installation >40', Add	138.37	
23 31 13 16-0059 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	368.37	127.24
For 3" WG (Class B), Add	47.58	
For 4" Or 6" WG (Class A), Add	126.89	
For 28 Gauge, Deduct	-7.08	
For 24 Gauge, Add	7.06	
For 22 Gauge, Add	14.09	
For 20 Gauge, Add	21.18	
For 18 Gauge, Add	28.13	
For 16 Gauge, Add	34.53	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.85	
For Work In Restricted Working Space, Add	95.17	
For Elevated Installation >10' To 15', Add	31.72	
For Elevated Installation >15' To 20', Add	63.44	
For Elevated Installation >20' To 25', Add	79.31	
For Elevated Installation >25' To 30', Add	111.03	
For Elevated Installation >30' To 35', Add	126.89	
For Elevated Installation >35' To 40', Add	158.61	
For Elevated Installation >40', Add	174.47	
23 31 13 16-0060 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	419.75	141.54
For 3" WG (Class B), Add	53.19	
For 4" Or 6" WG (Class A), Add	141.83	
For 28 Gauge, Deduct	-9.03	
For 24 Gauge, Add	8.99	
For 22 Gauge, Add	17.95	
For 20 Gauge, Add	26.98	
For 18 Gauge, Add	35.84	
For 16 Gauge, Add	43.99	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	48.23	
For Work In Restricted Working Space, Add	106.37	
For Elevated Installation >10' To 15', Add	35.46	
For Elevated Installation >15' To 20', Add	70.92	
For Elevated Installation >20' To 25', Add	88.65	
For Elevated Installation >25' To 30', Add	124.10	
For Elevated Installation >30' To 35', Add	141.83	
For Elevated Installation >35' To 40', Add	177.29	
For Elevated Installation >40', Add	195.02	
For 10" WG (Class A), Add	163.11	
23 31 13 16-0061 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	438.58	146.65
For 3" WG (Class B), Add	54.94	
For 4" Or 6" WG (Class A), Add	146.50	
For 28 Gauge, Deduct	-10.02	
For 24 Gauge, Add	9.98	
For 22 Gauge, Add	19.92	
For 20 Gauge, Add	29.94	
For 18 Gauge, Add	39.78	
For 16 Gauge, Add	48.82	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	53.52	
For Work In Restricted Working Space, Add	109.88	
For Elevated Installation >10' To 15', Add	36.63	
For Elevated Installation >15' To 20', Add	73.25	
For Elevated Installation >20' To 25', Add	91.57	
For Elevated Installation >25' To 30', Add	128.19	
For Elevated Installation >30' To 35', Add	146.50	
For Elevated Installation >35' To 40', Add	183.13	
For Elevated Installation >40', Add	201.44	
For 10" WG (Class A), Add	168.48	

23 31 13 16-0062 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connectors (23 31 13 16-0001)

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0063	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	25.22	
			<i>For 3" WG (Class B), Add</i>	3.50	
			<i>For 4" Or 6" WG (Class A), Add</i>	9.34	
			<i>For Work In Restricted Working Space, Add</i>	7.00	
			<i>For Elevated Installation >10' To 15', Add</i>	2.33	
			<i>For Elevated Installation >15' To 20', Add</i>	4.67	
			<i>For Elevated Installation >20' To 25', Add</i>	5.84	
			<i>For Elevated Installation >25' To 30', Add</i>	8.17	
			<i>For Elevated Installation >30' To 35', Add</i>	9.34	
			<i>For Elevated Installation >35' To 40', Add</i>	11.67	
			<i>For Elevated Installation >40', Add</i>	12.84	
23 31 13 16-0064	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	26.56	
			<i>For 3" WG (Class B), Add</i>	3.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	9.82	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
			<i>For Elevated Installation >10' To 15', Add</i>	2.45	
			<i>For Elevated Installation >15' To 20', Add</i>	4.91	
			<i>For Elevated Installation >20' To 25', Add</i>	6.14	
			<i>For Elevated Installation >25' To 30', Add</i>	8.59	
			<i>For Elevated Installation >30' To 35', Add</i>	9.82	
			<i>For Elevated Installation >35' To 40', Add</i>	12.27	
			<i>For Elevated Installation >40', Add</i>	13.50	
23 31 13 16-0065	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	28.44	
			<i>For 3" WG (Class B), Add</i>	3.94	
			<i>For 4" Or 6" WG (Class A), Add</i>	10.51	
			<i>For Work In Restricted Working Space, Add</i>	7.88	
			<i>For Elevated Installation >10' To 15', Add</i>	2.63	
			<i>For Elevated Installation >15' To 20', Add</i>	5.25	
			<i>For Elevated Installation >20' To 25', Add</i>	6.57	
			<i>For Elevated Installation >25' To 30', Add</i>	9.19	
			<i>For Elevated Installation >30' To 35', Add</i>	10.51	
			<i>For Elevated Installation >35' To 40', Add</i>	13.14	
			<i>For Elevated Installation >40', Add</i>	14.45	
23 31 13 16-0066	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	30.21	
			<i>For 3" WG (Class B), Add</i>	4.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	11.09	
			<i>For Work In Restricted Working Space, Add</i>	8.32	
			<i>For Elevated Installation >10' To 15', Add</i>	2.77	
			<i>For Elevated Installation >15' To 20', Add</i>	5.55	
			<i>For Elevated Installation >20' To 25', Add</i>	6.93	
			<i>For Elevated Installation >25' To 30', Add</i>	9.71	
			<i>For Elevated Installation >30' To 35', Add</i>	11.09	
			<i>For Elevated Installation >35' To 40', Add</i>	13.87	
			<i>For Elevated Installation >40', Add</i>	15.25	
23 31 13 16-0067	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	32.71	
			<i>For 3" WG (Class B), Add</i>	4.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	11.96	
			<i>For Work In Restricted Working Space, Add</i>	8.97	
			<i>For Elevated Installation >10' To 15', Add</i>	2.99	
			<i>For Elevated Installation >15' To 20', Add</i>	5.98	
			<i>For Elevated Installation >20' To 25', Add</i>	7.48	
			<i>For Elevated Installation >25' To 30', Add</i>	10.47	
			<i>For Elevated Installation >30' To 35', Add</i>	11.96	
			<i>For Elevated Installation >35' To 40', Add</i>	14.96	
			<i>For Elevated Installation >40', Add</i>	16.45	
23 31 13 16-0068	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	37.83	
			<i>For 3" WG (Class B), Add</i>	5.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.37	
			<i>For Work In Restricted Working Space, Add</i>	10.03	
			<i>For Elevated Installation >10' To 15', Add</i>	3.34	
			<i>For Elevated Installation >15' To 20', Add</i>	6.68	
			<i>For Elevated Installation >20' To 25', Add</i>	8.36	
			<i>For Elevated Installation >25' To 30', Add</i>	11.70	
			<i>For Elevated Installation >30' To 35', Add</i>	13.37	
			<i>For Elevated Installation >35' To 40', Add</i>	16.71	
			<i>For Elevated Installation >40', Add</i>	18.38	
23 31 13 16-0069	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	52.03	
			<i>For 3" WG (Class B), Add</i>	7.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	18.68	
			<i>For Work In Restricted Working Space, Add</i>	14.01	
			<i>For Elevated Installation >10' To 15', Add</i>	4.67	
			<i>For Elevated Installation >15' To 20', Add</i>	9.34	
			<i>For Elevated Installation >20' To 25', Add</i>	11.68	
			<i>For Elevated Installation >25' To 30', Add</i>	16.35	
			<i>For Elevated Installation >30' To 35', Add</i>	18.68	
			<i>For Elevated Installation >35' To 40', Add</i>	23.35	
			<i>For Elevated Installation >40', Add</i>	25.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0070 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	59.32	
For 3" WG (Class B), Add	7.97	
For 4" Or 6" WG (Class A), Add	21.25	
For Work In Restricted Working Space, Add	15.94	
For Elevated Installation >10' To 15', Add	5.31	
For Elevated Installation >15' To 20', Add	10.63	
For Elevated Installation >20' To 25', Add	13.28	
For Elevated Installation >25' To 30', Add	18.60	
For Elevated Installation >30' To 35', Add	21.25	
For Elevated Installation >35' To 40', Add	26.57	
For Elevated Installation >40', Add	29.22	
23 31 13 16-0071 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	65.17	
For 3" WG (Class B), Add	8.73	
For 4" Or 6" WG (Class A), Add	23.29	
For Work In Restricted Working Space, Add	17.47	
For Elevated Installation >10' To 15', Add	5.82	
For Elevated Installation >15' To 20', Add	11.65	
For Elevated Installation >20' To 25', Add	14.56	
For Elevated Installation >25' To 30', Add	20.38	
For Elevated Installation >30' To 35', Add	23.29	
For Elevated Installation >35' To 40', Add	29.12	
For Elevated Installation >40', Add	32.03	
23 31 13 16-0072 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	70.79	
For 3" WG (Class B), Add	9.46	
For 4" Or 6" WG (Class A), Add	25.22	
For Work In Restricted Working Space, Add	18.91	
For Elevated Installation >10' To 15', Add	6.30	
For Elevated Installation >15' To 20', Add	12.61	
For Elevated Installation >20' To 25', Add	15.76	
For Elevated Installation >25' To 30', Add	22.06	
For Elevated Installation >30' To 35', Add	25.22	
For Elevated Installation >35' To 40', Add	31.52	
For Elevated Installation >40', Add	34.67	
For 10" WG (Class A), Add	29.00	
23 31 13 16-0073 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	77.14	
For 3" WG (Class B), Add	10.31	
For 4" Or 6" WG (Class A), Add	27.49	
For Work In Restricted Working Space, Add	20.62	
For Elevated Installation >10' To 15', Add	6.87	
For Elevated Installation >15' To 20', Add	13.75	
For Elevated Installation >20' To 25', Add	17.18	
For Elevated Installation >25' To 30', Add	24.06	
For Elevated Installation >30' To 35', Add	27.49	
For Elevated Installation >35' To 40', Add	34.37	
For Elevated Installation >40', Add	37.80	
For 10" WG (Class A), Add	31.62	
23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings <small>(23 31 13 16)</small>		
23 31 13 16-0075 Slip Joint, Galvanized, Spiral Duct <small>(23 31 13 16-0074)</small>		
23 31 13 16-0076 LF 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	10.89	1.35
For 3" WG (Class B), Add	1.08	
For 4" Or 6" WG (Class A), Add	2.88	
For 24 Gauge, Add	0.74	
For 22 Gauge, Add	1.69	
For 20 Gauge, Add	2.76	
For 18 Gauge, Add	4.23	
For 16 Gauge, Add	5.15	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.72	
For Work In Restricted Working Space, Add	2.16	
23 31 13 16-0077 LF 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	13.98	2.69
For 3" WG (Class B), Add	1.30	
For 4" Or 6" WG (Class A), Add	3.46	
For 24 Gauge, Add	1.07	
For 22 Gauge, Add	2.45	
For 20 Gauge, Add	4.00	
For 18 Gauge, Add	6.13	
For 16 Gauge, Add	7.46	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.94	
For Work In Restricted Working Space, Add	2.60	
23 31 13 16-0078 LF 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	17.75	2.69
For 3" WG (Class B), Add	1.61	
For 4" Or 6" WG (Class A), Add	4.29	
For 24 Gauge, Add	1.40	
For 22 Gauge, Add	3.23	
For 20 Gauge, Add	5.27	
For 18 Gauge, Add	8.07	
For 16 Gauge, Add	9.83	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.19	
For Work In Restricted Working Space, Add	3.22	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0079	LF		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	21.56	2.69
			<i>For 3" WG (Class B), Add</i>	1.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	5.16	
			<i>For 24 Gauge, Add</i>	1.73	
			<i>For 22 Gauge, Add</i>	3.99	
			<i>For 20 Gauge, Add</i>	6.50	
			<i>For 18 Gauge, Add</i>	9.97	
			<i>For 16 Gauge, Add</i>	12.14	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.42	
			<i>For Work In Restricted Working Space, Add</i>	3.87	
23 31 13 16-0080	LF		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	26.81	4.03
			<i>For 3" WG (Class B), Add</i>	2.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	6.46	
			<i>For 24 Gauge, Add</i>	2.13	
			<i>For 22 Gauge, Add</i>	4.90	
			<i>For 20 Gauge, Add</i>	8.00	
			<i>For 18 Gauge, Add</i>	12.26	
			<i>For 16 Gauge, Add</i>	14.92	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.89	
			<i>For Work In Restricted Working Space, Add</i>	4.85	
23 31 13 16-0081	LF		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	32.53	4.03
			<i>For 3" WG (Class B), Add</i>	3.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	8.07	
			<i>For 24 Gauge, Add</i>	2.47	
			<i>For 22 Gauge, Add</i>	5.68	
			<i>For 20 Gauge, Add</i>	9.26	
			<i>For 18 Gauge, Add</i>	14.20	
			<i>For 16 Gauge, Add</i>	17.29	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.14	
			<i>For Work In Restricted Working Space, Add</i>	6.05	
23 31 13 16-0082	LF		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	44.82	4.03
			<i>For 3" WG (Class B), Add</i>	4.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	10.75	
			<i>For 24 Gauge, Add</i>	3.59	
			<i>For 22 Gauge, Add</i>	8.26	
			<i>For 20 Gauge, Add</i>	13.46	
			<i>For 18 Gauge, Add</i>	20.64	
			<i>For 16 Gauge, Add</i>	25.13	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	13.28	
			<i>For Work In Restricted Working Space, Add</i>	8.06	
23 31 13 16-0083	LF		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	51.22	5.38
			<i>For 3" WG (Class B), Add</i>	4.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	12.53	
			<i>For 24 Gauge, Add</i>	3.98	
			<i>For 22 Gauge, Add</i>	9.15	
			<i>For 20 Gauge, Add</i>	14.93	
			<i>For 18 Gauge, Add</i>	22.89	
			<i>For 16 Gauge, Add</i>	27.86	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.73	
			<i>For Work In Restricted Working Space, Add</i>	9.40	
23 31 13 16-0084	LF		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	57.77	5.38
			<i>For 3" WG (Class B), Add</i>	5.34	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.23	
			<i>For 24 Gauge, Add</i>	4.44	
			<i>For 22 Gauge, Add</i>	10.21	
			<i>For 20 Gauge, Add</i>	16.65	
			<i>For 18 Gauge, Add</i>	25.53	
			<i>For 16 Gauge, Add</i>	31.08	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.43	
			<i>For Work In Restricted Working Space, Add</i>	10.67	
23 31 13 16-0085	LF		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	64.60	6.73
			<i>For 3" WG (Class B), Add</i>	6.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	16.02	
			<i>For 24 Gauge, Add</i>	4.91	
			<i>For 22 Gauge, Add</i>	11.29	
			<i>For 20 Gauge, Add</i>	18.41	
			<i>For 18 Gauge, Add</i>	28.22	
			<i>For 16 Gauge, Add</i>	34.36	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	18.16	
			<i>For Work In Restricted Working Space, Add</i>	12.02	
23 31 13 16-0086	LF		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	71.50	8.07
			<i>For 3" WG (Class B), Add</i>	6.73	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.94	
			<i>For 24 Gauge, Add</i>	5.33	
			<i>For 22 Gauge, Add</i>	12.26	
			<i>For 20 Gauge, Add</i>	20.00	
			<i>For 18 Gauge, Add</i>	30.66	
			<i>For 16 Gauge, Add</i>	37.32	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.73	
			<i>For Work In Restricted Working Space, Add</i>	13.45	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows (23 31 13 16-0074)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0088 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	82.96	18.83
<i>For 3" WG (Class B), Add</i>	10.91	
<i>For 4" Or 6" WG (Class A), Add</i>	29.09	
<i>For 24 Gauge, Add</i>	2.05	
<i>For 22 Gauge, Add</i>	4.71	
<i>For 20 Gauge, Add</i>	7.68	
<i>For 18 Gauge, Add</i>	11.78	
<i>For 16 Gauge, Add</i>	14.34	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.58	
<i>For Work In Restricted Working Space, Add</i>	21.82	
23 31 13 16-0089 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	122.15	26.91
<i>For 3" WG (Class B), Add</i>	16.14	
<i>For 4" Or 6" WG (Class A), Add</i>	43.05	
<i>For 24 Gauge, Add</i>	2.91	
<i>For 22 Gauge, Add</i>	6.68	
<i>For 20 Gauge, Add</i>	10.90	
<i>For 18 Gauge, Add</i>	16.71	
<i>For 16 Gauge, Add</i>	20.34	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.75	
<i>For Work In Restricted Working Space, Add</i>	32.29	
23 31 13 16-0090 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	169.34	34.98
<i>For 3" WG (Class B), Add</i>	21.24	
<i>For 4" Or 6" WG (Class A), Add</i>	56.65	
<i>For 24 Gauge, Add</i>	5.54	
<i>For 22 Gauge, Add</i>	12.75	
<i>For 20 Gauge, Add</i>	20.79	
<i>For 18 Gauge, Add</i>	31.88	
<i>For 16 Gauge, Add</i>	38.81	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.51	
<i>For Work In Restricted Working Space, Add</i>	42.49	
23 31 13 16-0091 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	212.02	44.40
<i>For 3" WG (Class B), Add</i>	26.91	
<i>For 4" Or 6" WG (Class A), Add</i>	71.75	
<i>For 24 Gauge, Add</i>	6.53	
<i>For 22 Gauge, Add</i>	15.01	
<i>For 20 Gauge, Add</i>	24.48	
<i>For 18 Gauge, Add</i>	37.54	
<i>For 16 Gauge, Add</i>	45.70	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.15	
<i>For Work In Restricted Working Space, Add</i>	53.81	
23 31 13 16-0092 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	262.54	56.51
<i>For 3" WG (Class B), Add</i>	33.63	
<i>For 4" Or 6" WG (Class A), Add</i>	89.69	
<i>For 24 Gauge, Add</i>	7.66	
<i>For 22 Gauge, Add</i>	17.63	
<i>For 20 Gauge, Add</i>	28.74	
<i>For 18 Gauge, Add</i>	44.07	
<i>For 16 Gauge, Add</i>	53.65	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	28.36	
<i>For Work In Restricted Working Space, Add</i>	67.27	
23 31 13 16-0093 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	287.26	61.89
<i>For 3" WG (Class B), Add</i>	36.69	
<i>For 4" Or 6" WG (Class A), Add</i>	97.84	
<i>For 24 Gauge, Add</i>	8.53	
<i>For 22 Gauge, Add</i>	19.62	
<i>For 20 Gauge, Add</i>	32.00	
<i>For 18 Gauge, Add</i>	49.06	
<i>For 16 Gauge, Add</i>	59.72	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.57	
<i>For Work In Restricted Working Space, Add</i>	73.38	
23 31 13 16-0094 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	339.25	72.64
<i>For 3" WG (Class B), Add</i>	43.40	
<i>For 4" Or 6" WG (Class A), Add</i>	115.73	
<i>For 24 Gauge, Add</i>	9.99	
<i>For 22 Gauge, Add</i>	22.97	
<i>For 20 Gauge, Add</i>	37.45	
<i>For 18 Gauge, Add</i>	57.42	
<i>For 16 Gauge, Add</i>	69.90	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	36.95	
<i>For Work In Restricted Working Space, Add</i>	86.80	
23 31 13 16-0095 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	416.20	90.14
<i>For 3" WG (Class B), Add</i>	53.81	
<i>For 4" Or 6" WG (Class A), Add</i>	143.50	
<i>For 24 Gauge, Add</i>	11.49	
<i>For 22 Gauge, Add</i>	26.43	
<i>For 20 Gauge, Add</i>	43.09	
<i>For 18 Gauge, Add</i>	66.07	
<i>For 16 Gauge, Add</i>	80.43	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	42.51	
<i>For Work In Restricted Working Space, Add</i>	107.63	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0096	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	501.79	108.97
			<i>For 3" WG (Class B), Add</i>	65.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	173.59	
			<i>For 24 Gauge, Add</i>	13.56	
			<i>For 22 Gauge, Add</i>	31.20	
			<i>For 20 Gauge, Add</i>	50.87	
			<i>For 18 Gauge, Add</i>	77.99	
			<i>For 16 Gauge, Add</i>	94.95	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	50.19	
			<i>For Work In Restricted Working Space, Add</i>	130.19	
23 31 13 16-0097	EA		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	584.64	126.47
			<i>For 3" WG (Class B), Add</i>	76.15	
			<i>For 4" Or 6" WG (Class A), Add</i>	203.07	
			<i>For 24 Gauge, Add</i>	15.39	
			<i>For 22 Gauge, Add</i>	35.41	
			<i>For 20 Gauge, Add</i>	57.73	
			<i>For 18 Gauge, Add</i>	88.52	
			<i>For 16 Gauge, Add</i>	107.76	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	56.96	
			<i>For Work In Restricted Working Space, Add</i>	152.30	
23 31 13 16-0098	EA		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	667.47	143.95
			<i>For 3" WG (Class B), Add</i>	85.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	228.99	
			<i>For 24 Gauge, Add</i>	19.00	
			<i>For 22 Gauge, Add</i>	43.70	
			<i>For 20 Gauge, Add</i>	71.24	
			<i>For 18 Gauge, Add</i>	109.24	
			<i>For 16 Gauge, Add</i>	132.99	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	70.29	
			<i>For Work In Restricted Working Space, Add</i>	171.74	
23 31 13 16-0099			Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows <small>(23 31 13 16-0074)</small>		
23 31 13 16-0100	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	83.44	18.83
			<i>For 3" WG (Class B), Add</i>	10.91	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.09	
			<i>For 24 Gauge, Add</i>	2.14	
			<i>For 22 Gauge, Add</i>	4.93	
			<i>For 20 Gauge, Add</i>	8.04	
			<i>For 18 Gauge, Add</i>	12.33	
			<i>For 16 Gauge, Add</i>	15.01	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.93	
			<i>For Work In Restricted Working Space, Add</i>	21.82	
23 31 13 16-0101	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	119.66	26.91
			<i>For 3" WG (Class B), Add</i>	16.14	
			<i>For 4" Or 6" WG (Class A), Add</i>	43.05	
			<i>For 24 Gauge, Add</i>	2.41	
			<i>For 22 Gauge, Add</i>	5.54	
			<i>For 20 Gauge, Add</i>	9.03	
			<i>For 18 Gauge, Add</i>	13.85	
			<i>For 16 Gauge, Add</i>	16.86	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.91	
			<i>For Work In Restricted Working Space, Add</i>	32.29	
23 31 13 16-0102	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	157.77	34.98
			<i>For 3" WG (Class B), Add</i>	21.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	56.65	
			<i>For 24 Gauge, Add</i>	3.23	
			<i>For 22 Gauge, Add</i>	7.43	
			<i>For 20 Gauge, Add</i>	12.11	
			<i>For 18 Gauge, Add</i>	18.57	
			<i>For 16 Gauge, Add</i>	22.61	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	11.95	
			<i>For Work In Restricted Working Space, Add</i>	42.49	
23 31 13 16-0103	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	199.57	44.40
			<i>For 3" WG (Class B), Add</i>	26.91	
			<i>For 4" Or 6" WG (Class A), Add</i>	71.75	
			<i>For 24 Gauge, Add</i>	4.04	
			<i>For 22 Gauge, Add</i>	9.29	
			<i>For 20 Gauge, Add</i>	15.14	
			<i>For 18 Gauge, Add</i>	23.22	
			<i>For 16 Gauge, Add</i>	28.27	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.94	
			<i>For Work In Restricted Working Space, Add</i>	53.81	
23 31 13 16-0104	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	247.68	56.51
			<i>For 3" WG (Class B), Add</i>	33.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	89.69	
			<i>For 24 Gauge, Add</i>	4.69	
			<i>For 22 Gauge, Add</i>	10.79	
			<i>For 20 Gauge, Add</i>	17.60	
			<i>For 18 Gauge, Add</i>	26.98	
			<i>For 16 Gauge, Add</i>	32.84	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.36	
			<i>For Work In Restricted Working Space, Add</i>	67.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0105 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	270.68	61.89
For 3" WG (Class B), Add	36.69	
For 4" Or 6" WG (Class A), Add	97.84	
For 24 Gauge, Add	5.22	
For 22 Gauge, Add	12.00	
For 20 Gauge, Add	19.56	
For 18 Gauge, Add	29.99	
For 16 Gauge, Add	36.51	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.30	
For Work In Restricted Working Space, Add	73.38	
23 31 13 16-0106 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	332.07	72.64
For 3" WG (Class B), Add	43.40	
For 4" Or 6" WG (Class A), Add	115.73	
For 24 Gauge, Add	8.55	
For 22 Gauge, Add	19.67	
For 20 Gauge, Add	32.06	
For 18 Gauge, Add	49.16	
For 16 Gauge, Add	59.85	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.64	
For Work In Restricted Working Space, Add	86.80	
23 31 13 16-0107 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	411.12	90.14
For 3" WG (Class B), Add	53.81	
For 4" Or 6" WG (Class A), Add	143.50	
For 24 Gauge, Add	10.47	
For 22 Gauge, Add	24.09	
For 20 Gauge, Add	39.28	
For 18 Gauge, Add	60.23	
For 16 Gauge, Add	73.32	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.75	
For Work In Restricted Working Space, Add	107.63	
23 31 13 16-0108 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	500.23	108.97
For 3" WG (Class B), Add	65.10	
For 4" Or 6" WG (Class A), Add	173.59	
For 24 Gauge, Add	13.25	
For 22 Gauge, Add	30.48	
For 20 Gauge, Add	49.70	
For 18 Gauge, Add	76.20	
For 16 Gauge, Add	92.76	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	49.03	
For Work In Restricted Working Space, Add	130.19	
23 31 13 16-0109 EA 22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	566.98	126.47
For 3" WG (Class B), Add	76.15	
For 4" Or 6" WG (Class A), Add	203.07	
For 24 Gauge, Add	11.86	
For 22 Gauge, Add	27.28	
For 20 Gauge, Add	44.48	
For 18 Gauge, Add	68.21	
For 16 Gauge, Add	83.03	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	43.89	
For Work In Restricted Working Space, Add	152.30	
23 31 13 16-0110 EA 24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	661.18	143.95
For 3" WG (Class B), Add	85.87	
For 4" Or 6" WG (Class A), Add	228.99	
For 24 Gauge, Add	17.74	
For 22 Gauge, Add	40.80	
For 20 Gauge, Add	66.53	
For 18 Gauge, Add	102.01	
For 16 Gauge, Add	124.18	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	65.64	
For Work In Restricted Working Space, Add	171.74	
23 31 13 16-0111 Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals <small>(23 31 13 16-0074)</small>		
23 31 13 16-0112 EA 6" x 6" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	164.66	34.98
For 3" WG (Class B), Add	21.24	
For 4" Or 6" WG (Class A), Add	56.65	
For 24 Gauge, Add	4.61	
For 22 Gauge, Add	10.60	
For 20 Gauge, Add	17.28	
For 18 Gauge, Add	26.50	
For 16 Gauge, Add	32.26	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.05	
For Work In Restricted Working Space, Add	42.49	
23 31 13 16-0113 EA 8" x 8" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	248.37	56.51
For 3" WG (Class B), Add	33.63	
For 4" Or 6" WG (Class A), Add	89.69	
For 24 Gauge, Add	4.83	
For 22 Gauge, Add	11.11	
For 20 Gauge, Add	18.11	
For 18 Gauge, Add	27.77	
For 16 Gauge, Add	33.81	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.87	
For Work In Restricted Working Space, Add	67.27	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0114	EA		10" x 10" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	315.84	72.64
			For 3" WG (Class B), Add	43.40	
			For 4" Or 6" WG (Class A), Add	115.73	
			For 24 Gauge, Add	5.30	
			For 22 Gauge, Add	12.20	
			For 20 Gauge, Add	19.89	
			For 18 Gauge, Add	30.50	
			For 16 Gauge, Add	37.13	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.62	
			For Work In Restricted Working Space, Add	86.80	
23 31 13 16-0115	EA		12" x 12" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	386.45	90.14
			For 3" WG (Class B), Add	53.81	
			For 4" Or 6" WG (Class A), Add	143.50	
			For 24 Gauge, Add	5.54	
			For 22 Gauge, Add	12.74	
			For 20 Gauge, Add	20.78	
			For 18 Gauge, Add	31.86	
			For 16 Gauge, Add	38.78	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.50	
			For Work In Restricted Working Space, Add	107.63	
23 31 13 16-0116	EA		14" x 14" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	462.58	108.97
			For 3" WG (Class B), Add	65.10	
			For 4" Or 6" WG (Class A), Add	173.59	
			For 24 Gauge, Add	5.72	
			For 22 Gauge, Add	13.16	
			For 20 Gauge, Add	21.46	
			For 18 Gauge, Add	32.90	
			For 16 Gauge, Add	40.05	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.17	
			For Work In Restricted Working Space, Add	130.19	
23 31 13 16-0117	EA		16" x 16" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	538.78	126.47
			For 3" WG (Class B), Add	76.15	
			For 4" Or 6" WG (Class A), Add	203.07	
			For 24 Gauge, Add	6.22	
			For 22 Gauge, Add	14.31	
			For 20 Gauge, Add	23.33	
			For 18 Gauge, Add	35.78	
			For 16 Gauge, Add	43.55	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.02	
			For Work In Restricted Working Space, Add	152.30	
23 31 13 16-0118	EA		18" x 18" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	604.85	143.95
			For 3" WG (Class B), Add	85.87	
			For 4" Or 6" WG (Class A), Add	228.99	
			For 24 Gauge, Add	6.47	
			For 22 Gauge, Add	14.89	
			For 20 Gauge, Add	24.28	
			For 18 Gauge, Add	37.23	
			For 16 Gauge, Add	45.32	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.95	
			For Work In Restricted Working Space, Add	171.74	
23 31 13 16-0119	EA		20" x 20" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	689.81	164.13
			For 3" WG (Class B), Add	98.44	
			For 4" Or 6" WG (Class A), Add	262.50	
			For 24 Gauge, Add	6.71	
			For 22 Gauge, Add	15.43	
			For 20 Gauge, Add	25.16	
			For 18 Gauge, Add	38.58	
			For 16 Gauge, Add	46.97	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.83	
			For Work In Restricted Working Space, Add	196.88	
23 31 13 16-0120	EA		22" x 22" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	767.57	181.62
			For 3" WG (Class B), Add	109.08	
			For 4" Or 6" WG (Class A), Add	290.88	
			For 24 Gauge, Add	8.07	
			For 22 Gauge, Add	18.57	
			For 20 Gauge, Add	30.28	
			For 18 Gauge, Add	46.43	
			For 16 Gauge, Add	56.52	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.87	
			For Work In Restricted Working Space, Add	218.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0121 EA 24" x 24" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral.....	833.06	197.76
For 3" WG (Class B), Add	118.71	
For 4" Or 6" WG (Class A), Add	316.55	
For 24 Gauge, Add	8.34	
For 22 Gauge, Add	19.18	
For 20 Gauge, Add	31.27	
For 18 Gauge, Add	47.94	
For 16 Gauge, Add	58.37	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.85	
For Work In Restricted Working Space, Add	237.41	
23 31 13 16-0122 EA 8" x 8" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral.....	264.19	60.94
For 3" WG (Class B), Add	36.59	
For 4" Or 6" WG (Class A), Add	97.56	
For 24 Gauge, Add	4.06	
For 22 Gauge, Add	9.33	
For 20 Gauge, Add	15.22	
For 18 Gauge, Add	23.33	
For 16 Gauge, Add	28.41	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.01	
For Work In Restricted Working Space, Add	73.17	
23 31 13 16-0123 EA 10" x 10" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral.....	318.85	73.32
For 3" WG (Class B), Add	43.98	
For 4" Or 6" WG (Class A), Add	117.29	
For 24 Gauge, Add	5.12	
For 22 Gauge, Add	11.79	
For 20 Gauge, Add	19.22	
For 18 Gauge, Add	29.46	
For 16 Gauge, Add	35.87	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.96	
For Work In Restricted Working Space, Add	87.97	
23 31 13 16-0124 EA 12" x 12" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral.....	387.38	89.06
For 3" WG (Class B), Add	53.44	
For 4" Or 6" WG (Class A), Add	142.51	
For 24 Gauge, Add	6.22	
For 22 Gauge, Add	14.31	
For 20 Gauge, Add	23.33	
For 18 Gauge, Add	35.77	
For 16 Gauge, Add	43.54	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.01	
For Work In Restricted Working Space, Add	106.88	
23 31 13 16-0125 EA 14" x 14" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral.....	461.16	105.87
For 3" WG (Class B), Add	63.62	
For 4" Or 6" WG (Class A), Add	169.65	
For 24 Gauge, Add	7.41	
For 22 Gauge, Add	17.04	
For 20 Gauge, Add	27.78	
For 18 Gauge, Add	42.60	
For 16 Gauge, Add	51.86	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.41	
For Work In Restricted Working Space, Add	127.24	
23 31 13 16-0126 EA 16" x 16" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral.....	587.15	136.14
For 3" WG (Class B), Add	81.63	
For 4" Or 6" WG (Class A), Add	217.69	
For 24 Gauge, Add	8.59	
For 22 Gauge, Add	19.75	
For 20 Gauge, Add	32.20	
For 18 Gauge, Add	49.37	
For 16 Gauge, Add	60.10	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.77	
For Work In Restricted Working Space, Add	163.27	
23 31 13 16-0127 EA 18" x 18" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral.....	651.94	151.08
For 3" WG (Class B), Add	90.57	
For 4" Or 6" WG (Class A), Add	241.53	
For 24 Gauge, Add	9.62	
For 22 Gauge, Add	22.13	
For 20 Gauge, Add	36.08	
For 18 Gauge, Add	55.33	
For 16 Gauge, Add	67.35	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.60	
For Work In Restricted Working Space, Add	181.15	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0128	EA		20" x 20" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	741.15	171.94
			For 3" WG (Class B), Add	102.96	
			For 4" Or 6" WG (Class A), Add	274.56	
			For 24 Gauge, Add	10.95	
			For 22 Gauge, Add	25.19	
			For 20 Gauge, Add	41.07	
			For 18 Gauge, Add	62.97	
			For 16 Gauge, Add	76.66	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.52	
			For Work In Restricted Working Space, Add	205.92	
23 31 13 16-0129	EA		22" x 22" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	793.78	183.37
			For 3" WG (Class B), Add	109.91	
			For 4" Or 6" WG (Class A), Add	293.10	
			For 24 Gauge, Add	12.21	
			For 22 Gauge, Add	28.07	
			For 20 Gauge, Add	45.77	
			For 18 Gauge, Add	70.18	
			For 16 Gauge, Add	85.44	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	45.16	
			For Work In Restricted Working Space, Add	219.83	
23 31 13 16-0130	EA		24" x 24" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	861.25	198.84
			For 3" WG (Class B), Add	119.27	
			For 4" Or 6" WG (Class A), Add	318.04	
			For 24 Gauge, Add	13.23	
			For 22 Gauge, Add	30.42	
			For 20 Gauge, Add	49.61	
			For 18 Gauge, Add	76.06	
			For 16 Gauge, Add	92.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	48.94	
			For Work In Restricted Working Space, Add	238.53	
23 31 13 16-0131	EA		10" x 10" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	349.45	80.72
			For 3" WG (Class B), Add	48.37	
			For 4" Or 6" WG (Class A), Add	128.99	
			For 24 Gauge, Add	5.40	
			For 22 Gauge, Add	12.41	
			For 20 Gauge, Add	20.24	
			For 18 Gauge, Add	31.03	
			For 16 Gauge, Add	37.77	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.97	
			For Work In Restricted Working Space, Add	96.74	
23 31 13 16-0132	EA		12" x 12" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	424.72	98.21
			For 3" WG (Class B), Add	58.80	
			For 4" Or 6" WG (Class A), Add	156.80	
			For 24 Gauge, Add	6.55	
			For 22 Gauge, Add	15.06	
			For 20 Gauge, Add	24.55	
			For 18 Gauge, Add	37.64	
			For 16 Gauge, Add	45.82	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.22	
			For Work In Restricted Working Space, Add	117.60	
23 31 13 16-0133	EA		14" x 14" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	505.48	116.38
			For 3" WG (Class B), Add	69.97	
			For 4" Or 6" WG (Class A), Add	186.59	
			For 24 Gauge, Add	7.80	
			For 22 Gauge, Add	17.94	
			For 20 Gauge, Add	29.25	
			For 18 Gauge, Add	44.85	
			For 16 Gauge, Add	54.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.86	
			For Work In Restricted Working Space, Add	139.94	
23 31 13 16-0134	EA		16" x 16" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	586.80	135.61
			For 3" WG (Class B), Add	81.24	
			For 4" Or 6" WG (Class A), Add	216.64	
			For 24 Gauge, Add	9.04	
			For 22 Gauge, Add	20.79	
			For 20 Gauge, Add	33.90	
			For 18 Gauge, Add	51.98	
			For 16 Gauge, Add	63.28	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.45	
			For Work In Restricted Working Space, Add	162.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0135 EA 18" x 18" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral.....	656.64	151.62
For 3" WG (Class B), Add	90.90	
For 4" Or 6" WG (Class A), Add	242.40	
For 24 Gauge, Add	10.13	
For 22 Gauge, Add	23.29	
For 20 Gauge, Add	37.98	
For 18 Gauge, Add	58.24	
For 16 Gauge, Add	70.90	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.47	
For Work In Restricted Working Space, Add	181.80	
23 31 13 16-0136 EA 20" x 20" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral.....	746.84	172.47
For 3" WG (Class B), Add	103.38	
For 4" Or 6" WG (Class A), Add	275.68	
For 24 Gauge, Add	11.53	
For 22 Gauge, Add	26.51	
For 20 Gauge, Add	43.22	
For 18 Gauge, Add	66.27	
For 16 Gauge, Add	80.68	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.65	
For Work In Restricted Working Space, Add	206.76	
23 31 13 16-0137 EA 22" x 22" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral.....	833.89	192.38
For 3" WG (Class B), Add	115.45	
For 4" Or 6" WG (Class A), Add	307.86	
For 24 Gauge, Add	12.85	
For 22 Gauge, Add	29.56	
For 20 Gauge, Add	48.19	
For 18 Gauge, Add	73.89	
For 16 Gauge, Add	89.95	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.55	
For Work In Restricted Working Space, Add	230.89	
23 31 13 16-0138 EA 24" x 24" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral.....	904.18	208.80
For 3" WG (Class B), Add	125.19	
For 4" Or 6" WG (Class A), Add	333.83	
For 24 Gauge, Add	13.92	
For 22 Gauge, Add	32.02	
For 20 Gauge, Add	52.21	
For 18 Gauge, Add	80.05	
For 16 Gauge, Add	97.45	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	51.51	
For Work In Restricted Working Space, Add	250.37	
23 31 13 16-0139 Slip Joint, Galvanized, Spiral Duct Reducers <small>(23 31 13 16-0074)</small>		
23 31 13 16-0140 EA 6" x 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	115.90	26.91
For 3" WG (Class B), Add	16.14	
For 4" Or 6" WG (Class A), Add	43.05	
For 24 Gauge, Add	1.66	
For 22 Gauge, Add	3.81	
For 20 Gauge, Add	6.21	
For 18 Gauge, Add	9.52	
For 16 Gauge, Add	11.59	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.13	
For Work In Restricted Working Space, Add	32.29	
23 31 13 16-0141 EA 8" x 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	150.74	34.98
For 3" WG (Class B), Add	21.24	
For 4" Or 6" WG (Class A), Add	56.65	
For 24 Gauge, Add	1.82	
For 22 Gauge, Add	4.20	
For 20 Gauge, Add	6.84	
For 18 Gauge, Add	10.49	
For 16 Gauge, Add	12.77	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.75	
For Work In Restricted Working Space, Add	42.49	
23 31 13 16-0142 EA 10" x 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	189.47	44.40
For 3" WG (Class B), Add	26.91	
For 4" Or 6" WG (Class A), Add	71.75	
For 24 Gauge, Add	2.02	
For 22 Gauge, Add	4.64	
For 20 Gauge, Add	7.57	
For 18 Gauge, Add	11.60	
For 16 Gauge, Add	14.13	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.47	
For Work In Restricted Working Space, Add	53.81	
23 31 13 16-0143 EA 12" x 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	235.29	56.51
For 3" WG (Class B), Add	33.63	
For 4" Or 6" WG (Class A), Add	89.69	
For 24 Gauge, Add	2.21	
For 22 Gauge, Add	5.09	
For 20 Gauge, Add	8.30	
For 18 Gauge, Add	12.73	
For 16 Gauge, Add	15.50	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.19	
For Work In Restricted Working Space, Add	67.27	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0144	EA		14" x 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	256.92	61.89
			<i>For 3" WG (Class B), Add</i>	36.69	
			<i>For 4" Or 6" WG (Class A), Add</i>	97.84	
			<i>For 24 Gauge, Add</i>	2.46	
			<i>For 22 Gauge, Add</i>	5.67	
			<i>For 20 Gauge, Add</i>	9.24	
			<i>For 18 Gauge, Add</i>	14.17	
			<i>For 16 Gauge, Add</i>	17.25	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.12	
			<i>For Work In Restricted Working Space, Add</i>	73.38	
23 31 13 16-0145	EA		16" x 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	310.62	72.64
			<i>For 3" WG (Class B), Add</i>	43.40	
			<i>For 4" Or 6" WG (Class A), Add</i>	115.73	
			<i>For 24 Gauge, Add</i>	4.26	
			<i>For 22 Gauge, Add</i>	9.80	
			<i>For 20 Gauge, Add</i>	15.98	
			<i>For 18 Gauge, Add</i>	24.50	
			<i>For 16 Gauge, Add</i>	29.82	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	15.76	
			<i>For Work In Restricted Working Space, Add</i>	86.80	
23 31 13 16-0146	EA		18" x 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	381.51	90.14
			<i>For 3" WG (Class B), Add</i>	53.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	143.50	
			<i>For 24 Gauge, Add</i>	4.55	
			<i>For 22 Gauge, Add</i>	10.47	
			<i>For 20 Gauge, Add</i>	17.07	
			<i>For 18 Gauge, Add</i>	26.17	
			<i>For 16 Gauge, Add</i>	31.86	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.84	
			<i>For Work In Restricted Working Space, Add</i>	107.63	
23 31 13 16-0147	EA		20" x 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	458.26	108.97
			<i>For 3" WG (Class B), Add</i>	65.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	173.59	
			<i>For 24 Gauge, Add</i>	4.86	
			<i>For 22 Gauge, Add</i>	11.17	
			<i>For 20 Gauge, Add</i>	18.22	
			<i>For 18 Gauge, Add</i>	27.93	
			<i>For 16 Gauge, Add</i>	34.01	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.97	
			<i>For Work In Restricted Working Space, Add</i>	130.19	
23 31 13 16-0148	EA		22" x 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	533.49	126.47
			<i>For 3" WG (Class B), Add</i>	76.15	
			<i>For 4" Or 6" WG (Class A), Add</i>	203.07	
			<i>For 24 Gauge, Add</i>	5.16	
			<i>For 22 Gauge, Add</i>	11.88	
			<i>For 20 Gauge, Add</i>	19.37	
			<i>For 18 Gauge, Add</i>	29.69	
			<i>For 16 Gauge, Add</i>	36.15	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.11	
			<i>For Work In Restricted Working Space, Add</i>	152.30	
23 31 13 16-0149	EA		24" x 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	599.70	143.95
			<i>For 3" WG (Class B), Add</i>	85.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	228.99	
			<i>For 24 Gauge, Add</i>	5.44	
			<i>For 22 Gauge, Add</i>	12.52	
			<i>For 20 Gauge, Add</i>	20.42	
			<i>For 18 Gauge, Add</i>	31.30	
			<i>For 16 Gauge, Add</i>	38.11	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.14	
			<i>For Work In Restricted Working Space, Add</i>	171.74	
23 31 13 16-0150			Slip Joint, Galvanized, Spiral Duct Couplings (23 31 13 16-0074)		
23 31 13 16-0151	EA		4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	76.64	18.83
			<i>For 3" WG (Class B), Add</i>	10.91	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.09	
			<i>For 24 Gauge, Add</i>	0.78	
			<i>For 22 Gauge, Add</i>	1.80	
			<i>For 20 Gauge, Add</i>	2.94	
			<i>For 18 Gauge, Add</i>	4.51	
			<i>For 16 Gauge, Add</i>	5.49	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.90	
			<i>For Work In Restricted Working Space, Add</i>	21.82	
23 31 13 16-0152	EA		6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	112.08	26.91
			<i>For 3" WG (Class B), Add</i>	16.14	
			<i>For 4" Or 6" WG (Class A), Add</i>	43.05	
			<i>For 24 Gauge, Add</i>	0.89	
			<i>For 22 Gauge, Add</i>	2.05	
			<i>For 20 Gauge, Add</i>	3.35	
			<i>For 18 Gauge, Add</i>	5.13	
			<i>For 16 Gauge, Add</i>	6.24	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.30	
			<i>For Work In Restricted Working Space, Add</i>	32.29	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
HVAC Air Distribution		23 30
HVAC Ducts and Casings		23 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0153	EA	8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	146.42	34.98
			For 3" WG (Class B), Add	21.24	
			For 4" Or 6" WG (Class A), Add	56.65	
			For 24 Gauge, Add	0.96	
			For 22 Gauge, Add	2.21	
			For 20 Gauge, Add	3.60	
			For 18 Gauge, Add	5.52	
			For 16 Gauge, Add	6.72	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.55	
			For Work In Restricted Working Space, Add	42.49	
23 31	13 16-0154	EA	10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	184.53	44.40
			For 3" WG (Class B), Add	26.91	
			For 4" Or 6" WG (Class A), Add	71.75	
			For 24 Gauge, Add	1.03	
			For 22 Gauge, Add	2.37	
			For 20 Gauge, Add	3.86	
			For 18 Gauge, Add	5.92	
			For 16 Gauge, Add	7.21	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.81	
			For Work In Restricted Working Space, Add	53.81	
23 31	13 16-0155	EA	12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	229.72	56.51
			For 3" WG (Class B), Add	33.63	
			For 4" Or 6" WG (Class A), Add	89.69	
			For 24 Gauge, Add	1.10	
			For 22 Gauge, Add	2.53	
			For 20 Gauge, Add	4.13	
			For 18 Gauge, Add	6.33	
			For 16 Gauge, Add	7.70	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.07	
			For Work In Restricted Working Space, Add	67.27	
23 31	13 16-0156	EA	14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	250.45	61.89
			For 3" WG (Class B), Add	36.69	
			For 4" Or 6" WG (Class A), Add	97.84	
			For 24 Gauge, Add	1.17	
			For 22 Gauge, Add	2.69	
			For 20 Gauge, Add	4.39	
			For 18 Gauge, Add	6.73	
			For 16 Gauge, Add	8.19	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.33	
			For Work In Restricted Working Space, Add	73.38	
23 31	13 16-0157	EA	16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	295.79	72.64
			For 3" WG (Class B), Add	43.40	
			For 4" Or 6" WG (Class A), Add	115.73	
			For 24 Gauge, Add	1.29	
			For 22 Gauge, Add	2.98	
			For 20 Gauge, Add	4.85	
			For 18 Gauge, Add	7.44	
			For 16 Gauge, Add	9.06	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.79	
			For Work In Restricted Working Space, Add	86.80	
23 31	13 16-0158	EA	18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	365.57	90.14
			For 3" WG (Class B), Add	53.81	
			For 4" Or 6" WG (Class A), Add	143.50	
			For 24 Gauge, Add	1.36	
			For 22 Gauge, Add	3.14	
			For 20 Gauge, Add	5.12	
			For 18 Gauge, Add	7.84	
			For 16 Gauge, Add	9.55	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.05	
			For Work In Restricted Working Space, Add	107.63	
23 31	13 16-0159	EA	20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	441.21	108.97
			For 3" WG (Class B), Add	65.10	
			For 4" Or 6" WG (Class A), Add	173.59	
			For 24 Gauge, Add	1.45	
			For 22 Gauge, Add	3.33	
			For 20 Gauge, Add	5.43	
			For 18 Gauge, Add	8.33	
			For 16 Gauge, Add	10.14	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.36	
			For Work In Restricted Working Space, Add	130.19	
23 31	13 16-0160	EA	22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	515.19	254.27
			For 3" WG (Class B), Add	76.15	
			For 4" Or 6" WG (Class A), Add	203.07	
			For 24 Gauge, Add	1.50	
			For 22 Gauge, Add	3.46	
			For 20 Gauge, Add	5.64	
			For 18 Gauge, Add	8.65	
			For 16 Gauge, Add	10.53	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.56	
			For Work In Restricted Working Space, Add	152.30	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0161	EA		24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	580.42	286.55
			<i>For 3" WG (Class B), Add</i>	85.87	
			<i>For 4" Or 6" WG (Class A), Add</i>	228.99	
			<i>For 24 Gauge, Add</i>	1.59	
			<i>For 22 Gauge, Add</i>	3.65	
			<i>For 20 Gauge, Add</i>	5.96	
			<i>For 18 Gauge, Add</i>	9.13	
			<i>For 16 Gauge, Add</i>	11.12	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.88	
			<i>For Work In Restricted Working Space, Add</i>	171.74	
23 31 13 16-0162			Slip Joint, Galvanized, Spiral Duct Caps <small>(23 31 13 16-0074)</small>		
23 31 13 16-0163	EA		4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	40.95	18.83
			<i>For 3" WG (Class B), Add</i>	5.45	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.54	
			<i>For 24 Gauge, Add</i>	0.92	
			<i>For 22 Gauge, Add</i>	2.11	
			<i>For 20 Gauge, Add</i>	3.44	
			<i>For 18 Gauge, Add</i>	5.28	
			<i>For 16 Gauge, Add</i>	6.43	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.40	
			<i>For Work In Restricted Working Space, Add</i>	10.91	
23 31 13 16-0164	EA		6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	58.96	26.91
			<i>For 3" WG (Class B), Add</i>	8.07	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.52	
			<i>For 24 Gauge, Add</i>	1.03	
			<i>For 22 Gauge, Add</i>	2.37	
			<i>For 20 Gauge, Add</i>	3.86	
			<i>For 18 Gauge, Add</i>	5.92	
			<i>For 16 Gauge, Add</i>	7.21	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.81	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
23 31 13 16-0165	EA		8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	76.44	36.33
			<i>For 3" WG (Class B), Add</i>	10.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	28.32	
			<i>For 24 Gauge, Add</i>	1.13	
			<i>For 22 Gauge, Add</i>	2.59	
			<i>For 20 Gauge, Add</i>	4.23	
			<i>For 18 Gauge, Add</i>	6.49	
			<i>For 16 Gauge, Add</i>	7.90	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.17	
			<i>For Work In Restricted Working Space, Add</i>	21.24	
23 31 13 16-0166	EA		10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	95.95	45.74
			<i>For 3" WG (Class B), Add</i>	13.45	
			<i>For 4" Or 6" WG (Class A), Add</i>	35.88	
			<i>For 24 Gauge, Add</i>	1.25	
			<i>For 22 Gauge, Add</i>	2.88	
			<i>For 20 Gauge, Add</i>	4.70	
			<i>For 18 Gauge, Add</i>	7.20	
			<i>For 16 Gauge, Add</i>	8.76	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.63	
			<i>For Work In Restricted Working Space, Add</i>	26.91	
23 31 13 16-0167	EA		12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	119.07	56.51
			<i>For 3" WG (Class B), Add</i>	16.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	44.84	
			<i>For 24 Gauge, Add</i>	1.39	
			<i>For 22 Gauge, Add</i>	3.20	
			<i>For 20 Gauge, Add</i>	5.22	
			<i>For 18 Gauge, Add</i>	8.00	
			<i>For 16 Gauge, Add</i>	9.74	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.15	
			<i>For Work In Restricted Working Space, Add</i>	33.63	
23 31 13 16-0168	EA		14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	129.96	61.89
			<i>For 3" WG (Class B), Add</i>	18.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	48.92	
			<i>For 24 Gauge, Add</i>	1.53	
			<i>For 22 Gauge, Add</i>	3.52	
			<i>For 20 Gauge, Add</i>	5.75	
			<i>For 18 Gauge, Add</i>	8.81	
			<i>For 16 Gauge, Add</i>	10.72	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.67	
			<i>For Work In Restricted Working Space, Add</i>	36.69	
23 31 13 16-0169	EA		16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	150.46	71.31
			<i>For 3" WG (Class B), Add</i>	21.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	56.65	
			<i>For 24 Gauge, Add</i>	1.77	
			<i>For 22 Gauge, Add</i>	4.07	
			<i>For 20 Gauge, Add</i>	6.63	
			<i>For 18 Gauge, Add</i>	10.17	
			<i>For 16 Gauge, Add</i>	12.38	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.54	
			<i>For Work In Restricted Working Space, Add</i>	42.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0170 EA 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	209.17	90.14
For 3" WG (Class B), Add	26.91	
For 4" Or 6" WG (Class A), Add	71.75	
For 24 Gauge, Add	5.96	
For 22 Gauge, Add	13.70	
For 20 Gauge, Add	22.34	
For 18 Gauge, Add	34.26	
For 16 Gauge, Add	41.71	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.04	
For Work In Restricted Working Space, Add	53.81	
23 31 13 16-0171 EA 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	256.52	111.66
For 3" WG (Class B), Add	33.63	
For 4" Or 6" WG (Class A), Add	89.69	
For 24 Gauge, Add	6.46	
For 22 Gauge, Add	14.86	
For 20 Gauge, Add	24.23	
For 18 Gauge, Add	37.15	
For 16 Gauge, Add	45.22	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.90	
For Work In Restricted Working Space, Add	67.27	
23 31 13 16-0172 EA 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	279.40	122.42
For 3" WG (Class B), Add	36.69	
For 4" Or 6" WG (Class A), Add	97.84	
For 24 Gauge, Add	6.96	
For 22 Gauge, Add	16.01	
For 20 Gauge, Add	26.10	
For 18 Gauge, Add	40.02	
For 16 Gauge, Add	48.72	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.75	
For Work In Restricted Working Space, Add	73.38	
23 31 13 16-0173 EA 24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	323.62	142.60
For 3" WG (Class B), Add	42.94	
For 4" Or 6" WG (Class A), Add	114.50	
For 24 Gauge, Add	7.48	
For 22 Gauge, Add	17.19	
For 20 Gauge, Add	28.04	
For 18 Gauge, Add	42.99	
For 16 Gauge, Add	52.33	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.66	
For Work In Restricted Working Space, Add	85.87	
23 31 13 19 Metal Duct Fittings (23 31 13)		
23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)		
23 31 13 19-0002 LF Sheet Metal Baffles Under Raised Floor.....	47.80	38.66
For Work In Restricted Working Space, Add	14.13	
For Elevated Installation >10' To 15', Add	4.71	
For Elevated Installation >15' To 20', Add	9.42	
For Elevated Installation >20' To 25', Add	11.78	
For Elevated Installation >25' To 30', Add	16.49	
For Elevated Installation >30' To 35', Add	18.84	
For Elevated Installation >35' To 40', Add	23.56	
For Elevated Installation >40', Add	25.91	
23 31 13 19-0003 Duct Register Boots (23 31 13 19)		
23 31 13 19-0004 EA 10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	43.10	18.24
For Stainless Steel, Add	8.61	
23 31 13 19-0005 EA 10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	43.10	18.24
For Stainless Steel, Add	8.61	
23 31 13 19-0006 EA 12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	46.16	19.70
For Stainless Steel, Add	8.80	
23 31 13 19-0007 EA 12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	46.16	19.70
For Stainless Steel, Add	8.80	
23 31 13 19-0008 EA 12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	47.79	19.70
For Stainless Steel, Add	10.92	
23 31 13 19-0009 EA 14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	49.90	21.16
For Stainless Steel, Add	9.85	
23 31 13 19-0010 EA 14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	49.90	21.16
For Stainless Steel, Add	9.85	
23 31 13 19-0011 EA 14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	50.91	21.16
For Stainless Steel, Add	11.17	
23 31 13 19-0012 EA 10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	51.20	22.62
For Stainless Steel, Add	7.75	
23 31 13 19-0013 EA 12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	54.29	24.08
For Stainless Steel, Add	7.98	
23 31 13 19-0014 EA 12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	58.45	24.08
For Stainless Steel, Add	13.39	
23 31 13 19-0015 EA 14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	57.57	25.53
For Stainless Steel, Add	8.45	
23 31 13 19-0016 EA 14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	61.65	25.53
For Stainless Steel, Add	13.75	
23 31 13 19-0017 EA 12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel.....	45.18	19.70
For Stainless Steel, Add	7.51	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0018	EA		12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	45.18	19.70
			<i>For Stainless Steel, Add</i>	7.51	
23 31 13 19-0019	EA		14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	48.77	21.16
			<i>For Stainless Steel, Add</i>	8.39	
23 31 13 19-0020	EA		14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	49.74	21.16
			<i>For Stainless Steel, Add</i>	9.65	
23 31 13 19-0021	EA		10" x 4" x 6" Register Boot, Center, Galvanized Steel	51.33	22.62
			<i>For Stainless Steel, Add</i>	7.92	
23 31 13 19-0022	EA		12" x 4" x 6" Register Boot, Center, Galvanized Steel	54.40	24.08
			<i>For Stainless Steel, Add</i>	8.13	
23 31 13 19-0023	EA		12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	45.85	19.70
			<i>For Stainless Steel, Add</i>	8.39	
23 31 13 19-0024	EA		14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	49.16	21.16
			<i>For Stainless Steel, Add</i>	8.89	
23 31 13 19-0025	EA		10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	43.10	18.24
			<i>For Stainless Steel, Add</i>	8.61	
23 31 13 19-0026	EA		12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	46.17	19.70
			<i>For Stainless Steel, Add</i>	8.80	
23 31 13 19-0027	EA		14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	49.90	21.16
			<i>For Stainless Steel, Add</i>	9.85	
23 31 13 19-0028	EA		14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	49.90	21.16
			<i>For Stainless Steel, Add</i>	9.85	
23 31 13 19-0029	EA		10" x 4" x 6" Register Boot, Universal, Galvanized Steel	51.20	22.62
			<i>For Stainless Steel, Add</i>	7.75	
23 31 13 19-0030	EA		12" x 4" x 6" Register Boot, Universal, Galvanized Steel	54.29	24.08
			<i>For Stainless Steel, Add</i>	7.98	
23 31 13 19-0031	EA		12" x 4" x 7" Register Boot, Universal, Galvanized Steel	58.45	24.08
			<i>For Stainless Steel, Add</i>	13.39	
23 31 13 19-0032	EA		14" x 4" x 7" Register Boot, Universal, Galvanized Steel	61.37	25.53
			<i>For Stainless Steel, Add</i>	13.39	
23 31 13 23			Galvanized Steel Welded Duct <small>(23 31 13)</small>		
			Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.		
23 31 13 23-0001			Welded Steel Ductwork <small>(23 31 13 23)</small>		
			Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13 23-0002			Galvanized Steel Welded Duct, For Kitchen <small>(23 31 13 23-0001)</small>		
			Note: Also includes special exhaust systems and waste.		
23 31 13 23-0003	LB		Galvanized Steel Welded Duct	26.30	11.72
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.08	
			<i>For Work In Restricted Working Space, Add</i>	7.05	
			<i>For Elevated Installation >10' To 15', Add</i>	2.35	
			<i>For Elevated Installation >15' To 20', Add</i>	4.70	
			<i>For Elevated Installation >20' To 25', Add</i>	5.87	
			<i>For Elevated Installation >25' To 30', Add</i>	8.22	
			<i>For Elevated Installation >30' To 35', Add</i>	9.40	
			<i>For Elevated Installation >35' To 40', Add</i>	11.75	
			<i>For Elevated Installation >40', Add</i>	12.92	
23 31 13 23-0004			Black Steel Ductwork <small>(23 31 13 23-0001)</small>		
23 31 13 23-0005	LB		Black Steel Ductwork	24.79	12.09
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.47	
			<i>For Work In Restricted Working Space, Add</i>	7.25	
			<i>For Elevated Installation >10' To 15', Add</i>	2.42	
			<i>For Elevated Installation >15' To 20', Add</i>	4.83	
			<i>For Elevated Installation >20' To 25', Add</i>	6.04	
			<i>For Elevated Installation >25' To 30', Add</i>	8.46	
			<i>For Elevated Installation >30' To 35', Add</i>	9.66	
			<i>For Elevated Installation >35' To 40', Add</i>	12.08	
			<i>For Elevated Installation >40', Add</i>	13.29	
23 31 16			Nonmetal Ducts <small>(23 31)</small>		
23 31 16 13			Fibrous-Glass Ducts <small>(23 31 16)</small>		
23 31 16 13-0001			Glass Fiber Duct Board <small>(23 31 16 13)</small>		
			Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.		
23 31 16 13-0002	SF		1" Glass Fiber Duct Board (EI-475)	11.88	2.42
23 31 16 13-0003	SF		1-1/2" Glass Fiber Duct Board (EI-800)	13.96	2.66
23 31 16 13-0004	SF		2" Glass Fiber Duct Board (EI-800)	16.11	2.92
23 31 16 16			Thermoset Fiberglass-Reinforced Plastic Ducts <small>(23 31 16)</small>		
23 31 16 16-0001			Fiber Reinforced Round Plastic Duct <small>(23 31 16 16)</small>		
23 31 16 16-0002			Fiber Reinforced Round Plastic Duct <small>(23 31 16 16-0001)</small>		
23 31 16 16-0003	LF		2" Fiber Reinforced Plastic Duct	19.14	7.18
23 31 16 16-0004	LF		3" Fiber Reinforced Plastic Duct	23.71	8.40
23 31 16 16-0005	LF		4" Fiber Reinforced Plastic Duct	32.63	12.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0006 LF 6" Fiber Reinforced Plastic Duct	42.85	15.58
23 31 16 16-0007 LF 8" Fiber Reinforced Plastic Duct	54.17	19.51
23 31 16 16-0008 LF 10" Fiber Reinforced Plastic Duct	65.26	23.44
23 31 16 16-0009 LF 12" Fiber Reinforced Plastic Duct	73.94	27.37
23 31 16 16-0010 LF 14" Fiber Reinforced Plastic Duct	83.75	29.94
23 31 16 16-0011 LF 16" Fiber Reinforced Plastic Duct	90.29	31.84
23 31 16 16-0012 LF 18" Fiber Reinforced Plastic Duct	110.34	35.77
23 31 16 16-0013 LF 20" Fiber Reinforced Plastic Duct	116.43	38.34
23 31 16 16-0014 LF 24" Fiber Reinforced Plastic Duct	140.43	40.92
23 31 16 16-0015 LF 30" Fiber Reinforced Plastic Duct	161.12	47.42
23 31 16 16-0016 LF 36" Fiber Reinforced Plastic Duct	187.21	57.18
23 31 16 16-0017 LF 42" Fiber Reinforced Plastic Duct	243.97	63.68
23 31 16 16-0018 LF 48" Fiber Reinforced Plastic Duct	273.38	71.54
23 31 16 16-0019 LF 54" Fiber Reinforced Plastic Duct	304.94	81.97
23 31 16 16-0020 LF 60" Fiber Reinforced Plastic Duct	347.37	95.65
23 31 16 16-0021 LF 66" Fiber Reinforced Plastic Duct	379.86	117.06
23 31 16 16-0022 LF 72" Fiber Reinforced Plastic Duct	463.66	143.07
23 31 16 16-0023 Fiber Reinforced Plastic Bell <small>(23 31 16 16-0001)</small>		
23 31 16 16-0024 EA 2" Fiber Reinforced Plastic Bell.....	77.86	29.13
23 31 16 16-0025 EA 3" Fiber Reinforced Plastic Bell.....	93.60	34.55
23 31 16 16-0026 EA 4" Fiber Reinforced Plastic Bell.....	108.24	40.64
23 31 16 16-0027 EA 6" Fiber Reinforced Plastic Bell.....	142.69	54.19
23 31 16 16-0028 EA 8" Fiber Reinforced Plastic Bell.....	174.69	67.74
23 31 16 16-0029 EA 10" Fiber Reinforced Plastic Bell.....	204.24	81.29
23 31 16 16-0030 EA 12" Fiber Reinforced Plastic Bell.....	253.32	100.94
23 31 16 16-0031 EA 14" Fiber Reinforced Plastic Bell.....	270.41	108.39
23 31 16 16-0032 EA 16" Fiber Reinforced Plastic Bell.....	292.93	115.84
23 31 16 16-0033 EA 18" Fiber Reinforced Plastic Bell.....	315.45	124.65
23 31 16 16-0034 EA 20" Fiber Reinforced Plastic Bell.....	344.47	135.49
23 31 16 16-0035 EA 24" Fiber Reinforced Plastic Bell.....	396.08	149.04
23 31 16 16-0036 EA 30" Fiber Reinforced Plastic Bell.....	455.02	162.59
23 31 16 16-0037 EA 36" Fiber Reinforced Plastic Bell.....	515.29	182.90
23 31 16 16-0038 EA 42" Fiber Reinforced Plastic Bell.....	575.54	203.23
23 31 16 16-0039 EA 48" Fiber Reinforced Plastic Bell.....	635.76	223.56
23 31 16 16-0040 EA 54" Fiber Reinforced Plastic Bell.....	786.97	270.97
23 31 16 16-0041 EA 60" Fiber Reinforced Plastic Bell.....	946.95	338.72
23 31 16 16-0042 EA 66" Fiber Reinforced Plastic Bell.....	1,136.28	406.46
23 31 16 16-0043 EA 72" Fiber Reinforced Plastic Bell.....	1,298.75	460.65
23 31 16 16-0044 Fiber Reinforced Plastic Flange <small>(23 31 16 16-0001)</small>		
23 31 16 16-0045 EA 2" Fiber Reinforced Plastic Flange.....	117.06	29.13
23 31 16 16-0046 EA 3" Fiber Reinforced Plastic Flange.....	135.25	34.55
23 31 16 16-0047 EA 4" Fiber Reinforced Plastic Flange.....	154.79	40.64
23 31 16 16-0048 EA 6" Fiber Reinforced Plastic Flange.....	201.50	54.19
23 31 16 16-0049 EA 8" Fiber Reinforced Plastic Flange.....	245.75	67.74
23 31 16 16-0050 EA 10" Fiber Reinforced Plastic Flange.....	290.00	81.29
23 31 16 16-0051 EA 12" Fiber Reinforced Plastic Flange.....	343.98	100.94
23 31 16 16-0052 EA 14" Fiber Reinforced Plastic Flange.....	380.67	108.39
23 31 16 16-0053 EA 16" Fiber Reinforced Plastic Flange.....	415.44	115.84
23 31 16 16-0054 EA 18" Fiber Reinforced Plastic Flange.....	442.86	124.65
23 31 16 16-0055 EA 20" Fiber Reinforced Plastic Flange.....	466.98	135.49
23 31 16 16-0056 EA 24" Fiber Reinforced Plastic Flange.....	543.09	149.04
23 31 16 16-0057 EA 30" Fiber Reinforced Plastic Flange.....	597.13	162.59
23 31 16 16-0058 EA 36" Fiber Reinforced Plastic Flange.....	728.45	182.90
23 31 16 16-0059 EA 42" Fiber Reinforced Plastic Flange.....	810.76	203.23
23 31 16 16-0060 EA 48" Fiber Reinforced Plastic Flange.....	917.53	223.56
23 31 16 16-0061 EA 54" Fiber Reinforced Plastic Flange.....	1,080.99	270.97
23 31 16 16-0062 EA 60" Fiber Reinforced Plastic Flange.....	1,297.32	338.72
23 31 16 16-0063 EA 66" Fiber Reinforced Plastic Flange.....	1,513.61	406.46
23 31 16 16-0064 EA 72" Fiber Reinforced Plastic Flange.....	1,729.98	460.65
23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow <small>(23 31 16 16-0001)</small>		
23 31 16 16-0066 EA 2" Fiber Reinforced Plastic 90 Degree Elbow	197.92	70.18
23 31 16 16-0067 EA 3" Fiber Reinforced Plastic 90 Degree Elbow	232.94	83.86
23 31 16 16-0068 EA 4" Fiber Reinforced Plastic 90 Degree Elbow	270.39	97.55
23 31 16 16-0069 EA 6" Fiber Reinforced Plastic 90 Degree Elbow	351.54	130.07
23 31 16 16-0070 EA 8" Fiber Reinforced Plastic 90 Degree Elbow	432.68	162.59
23 31 16 16-0071 EA 10" Fiber Reinforced Plastic 90 Degree Elbow	513.85	195.10
23 31 16 16-0072 EA 12" Fiber Reinforced Plastic 90 Degree Elbow	632.20	242.66
23 31 16 16-0073 EA 14" Fiber Reinforced Plastic 90 Degree Elbow	709.93	256.88
23 31 16 16-0074 EA 16" Fiber Reinforced Plastic 90 Degree Elbow	803.14	278.97
23 31 16 16-0075 EA 18" Fiber Reinforced Plastic 90 Degree Elbow	944.56	299.15
23 31 16 16-0076 EA 20" Fiber Reinforced Plastic 90 Degree Elbow	1,081.07	325.17
23 31 16 16-0077 EA 24" Fiber Reinforced Plastic 90 Degree Elbow	1,245.52	357.69
23 31 16 16-0078 EA 30" Fiber Reinforced Plastic 90 Degree Elbow	1,642.69	390.21
23 31 16 16-0079 EA 36" Fiber Reinforced Plastic 90 Degree Elbow	2,079.33	438.98
23 31 16 16-0080 EA 42" Fiber Reinforced Plastic 90 Degree Elbow	2,699.67	487.89

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0081 EA 48" Fiber Reinforced Plastic 90 Degree Elbow	3,185.32	536.66
23 31 16 16-0082 EA 54" Fiber Reinforced Plastic 90 Degree Elbow	3,779.07	650.34
23 31 16 16-0083 EA 60" Fiber Reinforced Plastic 90 Degree Elbow	4,589.08	812.92
23 31 16 16-0084 EA 66" Fiber Reinforced Plastic 90 Degree Elbow	5,398.57	975.24
23 31 16 16-0085 EA 72" Fiber Reinforced Plastic 90 Degree Elbow	6,154.14	1,105.17
23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)		
23 31 16 16-0087 EA 2" Fiber Reinforced Plastic 45 Degree Elbow	170.95	70.18
23 31 16 16-0088 EA 3" Fiber Reinforced Plastic 45 Degree Elbow	201.08	83.86
23 31 16 16-0089 EA 4" Fiber Reinforced Plastic 45 Degree Elbow	233.60	97.55
23 31 16 16-0090 EA 6" Fiber Reinforced Plastic 45 Degree Elbow	297.64	130.07
23 31 16 16-0091 EA 8" Fiber Reinforced Plastic 45 Degree Elbow	361.63	162.59
23 31 16 16-0092 EA 10" Fiber Reinforced Plastic 45 Degree Elbow	430.64	195.10
23 31 16 16-0093 EA 12" Fiber Reinforced Plastic 45 Degree Elbow	531.85	242.66
23 31 16 16-0094 EA 14" Fiber Reinforced Plastic 45 Degree Elbow	575.07	256.88
23 31 16 16-0095 EA 16" Fiber Reinforced Plastic 45 Degree Elbow	675.47	278.84
23 31 16 16-0096 EA 18" Fiber Reinforced Plastic 45 Degree Elbow	768.51	299.42
23 31 16 16-0097 EA 20" Fiber Reinforced Plastic 45 Degree Elbow	880.07	325.17
23 31 16 16-0098 EA 24" Fiber Reinforced Plastic 45 Degree Elbow	1,007.23	357.42
23 31 16 16-0099 EA 30" Fiber Reinforced Plastic 45 Degree Elbow	1,250.17	389.94
23 31 16 16-0100 EA 36" Fiber Reinforced Plastic 45 Degree Elbow	1,513.97	439.38
23 31 16 16-0101 EA 42" Fiber Reinforced Plastic 45 Degree Elbow	1,899.06	488.16
23 31 16 16-0102 EA 48" Fiber Reinforced Plastic 45 Degree Elbow	2,217.51	536.66
23 31 16 16-0103 EA 54" Fiber Reinforced Plastic 45 Degree Elbow	2,647.09	650.34
23 31 16 16-0104 EA 60" Fiber Reinforced Plastic 45 Degree Elbow	3,187.59	812.92
23 31 16 16-0105 EA 66" Fiber Reinforced Plastic 45 Degree Elbow	3,753.85	973.34
23 31 16 16-0106 EA 72" Fiber Reinforced Plastic 45 Degree Elbow	4,245.02	1,106.25
23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)		
23 31 16 16-0108 EA 2" Fiber Reinforced Plastic Tee.....	260.27	104.73
23 31 16 16-0109 EA 3" Fiber Reinforced Plastic Tee.....	308.28	126.14
23 31 16 16-0110 EA 4" Fiber Reinforced Plastic Tee.....	354.13	146.32
23 31 16 16-0111 EA 6" Fiber Reinforced Plastic Tee.....	459.95	195.10
23 31 16 16-0112 EA 8" Fiber Reinforced Plastic Tee.....	563.60	242.66
23 31 16 16-0113 EA 10" Fiber Reinforced Plastic Tee.....	673.66	294.00
23 31 16 16-0114 EA 12" Fiber Reinforced Plastic Tee.....	814.44	356.33
23 31 16 16-0115 EA 14" Fiber Reinforced Plastic Tee.....	887.75	385.60
23 31 16 16-0116 EA 16" Fiber Reinforced Plastic Tee.....	1,016.62	418.92
23 31 16 16-0117 EA 18" Fiber Reinforced Plastic Tee.....	1,139.92	448.73
23 31 16 16-0118 EA 20" Fiber Reinforced Plastic Tee.....	1,303.08	487.89
23 31 16 16-0119 EA 24" Fiber Reinforced Plastic Tee.....	1,482.46	536.66
23 31 16 16-0120 EA 30" Fiber Reinforced Plastic Tee.....	1,747.09	585.17
23 31 16 16-0121 EA 36" Fiber Reinforced Plastic Tee.....	2,078.01	658.73
23 31 16 16-0122 EA 42" Fiber Reinforced Plastic Tee.....	2,689.83	731.91
23 31 16 16-0123 EA 48" Fiber Reinforced Plastic Tee.....	3,179.61	805.20
23 31 16 16-0124 EA 54" Fiber Reinforced Plastic Tee.....	3,832.03	976.18
23 31 16 16-0125 EA 60" Fiber Reinforced Plastic Tee.....	4,605.79	1,219.93
23 31 16 16-0126 EA 66" Fiber Reinforced Plastic Tee.....	5,378.77	1,463.13
23 31 16 16-0127 EA 72" Fiber Reinforced Plastic Tee.....	6,072.77	1,659.05
23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)		
23 31 16 16-0129 EA 2" Fiber Reinforced Plastic Lateral Joint	223.49	104.73
23 31 16 16-0130 EA 3" Fiber Reinforced Plastic Lateral Joint	264.13	126.14
23 31 16 16-0131 EA 4" Fiber Reinforced Plastic Lateral Joint	302.72	146.32
23 31 16 16-0132 EA 6" Fiber Reinforced Plastic Lateral Joint	388.98	195.10
23 31 16 16-0133 EA 8" Fiber Reinforced Plastic Lateral Joint	473.04	242.66
23 31 16 16-0134 EA 10" Fiber Reinforced Plastic Lateral Joint	568.38	294.00
23 31 16 16-0135 EA 12" Fiber Reinforced Plastic Lateral Joint	682.45	356.60
23 31 16 16-0136 EA 14" Fiber Reinforced Plastic Lateral Joint	740.13	385.33
23 31 16 16-0137 EA 16" Fiber Reinforced Plastic Lateral Joint	811.10	419.06
23 31 16 16-0138 EA 18" Fiber Reinforced Plastic Lateral Joint	875.96	449.14
23 31 16 16-0139 EA 20" Fiber Reinforced Plastic Lateral Joint	955.75	488.16
23 31 16 16-0140 EA 24" Fiber Reinforced Plastic Lateral Joint	1,056.13	536.66
23 31 16 16-0141 EA 30" Fiber Reinforced Plastic Lateral Joint	1,163.39	584.90
23 31 16 16-0142 EA 36" Fiber Reinforced Plastic Lateral Joint	1,312.85	658.33
23 31 16 16-0143 EA 42" Fiber Reinforced Plastic Lateral Joint	1,465.63	732.31
23 31 16 16-0144 EA 48" Fiber Reinforced Plastic Lateral Joint	1,610.98	804.93
23 31 16 16-0145 EA 54" Fiber Reinforced Plastic Lateral Joint	1,928.48	973.34
23 31 16 16-0146 EA 60" Fiber Reinforced Plastic Lateral Joint	2,367.56	1,222.10
23 31 16 16-0147 EA 66" Fiber Reinforced Plastic Lateral Joint	2,856.87	1,464.21
23 31 16 16-0148 EA 72" Fiber Reinforced Plastic Lateral Joint	3,206.08	1,659.05
23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)		
23 31 16 16-0150 EA 2" Fiber Reinforced Plastic One Piece Reducer.....	180.80	70.32
23 31 16 16-0151 EA 3" Fiber Reinforced Plastic One Piece Reducer.....	213.40	84.00
23 31 16 16-0152 EA 4" Fiber Reinforced Plastic One Piece Reducer.....	250.86	97.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0153 EA 6" Fiber Reinforced Plastic One Piece Reducer	324.59	130.07
23 31 16 16-0154 EA 8" Fiber Reinforced Plastic One Piece Reducer	393.48	162.59
23 31 16 16-0155 EA 10" Fiber Reinforced Plastic One Piece Reducer	473.48	195.92
23 31 16 16-0156 EA 12" Fiber Reinforced Plastic One Piece Reducer	566.15	242.66
23 31 16 16-0157 EA 14" Fiber Reinforced Plastic One Piece Reducer	604.47	256.88
23 31 16 16-0158 EA 16" Fiber Reinforced Plastic One Piece Reducer	665.67	278.84
23 31 16 16-0159 EA 18" Fiber Reinforced Plastic One Piece Reducer	729.31	299.42
23 31 16 16-0160 EA 20" Fiber Reinforced Plastic One Piece Reducer	811.47	325.17
23 31 16 16-0161 EA 24" Fiber Reinforced Plastic One Piece Reducer	920.28	358.09
23 31 16 16-0162 EA 30" Fiber Reinforced Plastic One Piece Reducer	1,028.70	390.88
23 31 16 16-0163 EA 36" Fiber Reinforced Plastic One Piece Reducer	1,163.60	439.38
23 31 16 16-0164 EA 42" Fiber Reinforced Plastic One Piece Reducer	1,298.77	488.16
23 31 16 16-0165 EA 48" Fiber Reinforced Plastic One Piece Reducer	1,457.96	536.66
23 31 16 16-0166 EA 54" Fiber Reinforced Plastic One Piece Reducer	1,733.18	650.34
23 31 16 16-0167 EA 60" Fiber Reinforced Plastic One Piece Reducer	2,082.57	812.92
23 31 16 16-0168 EA 66" Fiber Reinforced Plastic One Piece Reducer	2,357.26	973.34
23 31 16 16-0169 EA 72" Fiber Reinforced Plastic One Piece Reducer	2,652.41	1,106.25

23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)

23 31 16 16-0171 EA 2" Fiber Reinforced Plastic Two Piece Reducer	210.21	70.32
23 31 16 16-0172 EA 3" Fiber Reinforced Plastic Two Piece Reducer	233.01	84.00
23 31 16 16-0173 EA 4" Fiber Reinforced Plastic Two Piece Reducer	270.46	97.55
23 31 16 16-0174 EA 6" Fiber Reinforced Plastic Two Piece Reducer	351.54	130.07
23 31 16 16-0175 EA 8" Fiber Reinforced Plastic Two Piece Reducer	432.68	162.59
23 31 16 16-0176 EA 10" Fiber Reinforced Plastic Two Piece Reducer	515.13	195.92
23 31 16 16-0177 EA 12" Fiber Reinforced Plastic Two Piece Reducer	620.05	242.66
23 31 16 16-0178 EA 14" Fiber Reinforced Plastic Two Piece Reducer	673.08	256.88
23 31 16 16-0179 EA 16" Fiber Reinforced Plastic Two Piece Reducer	734.28	278.84
23 31 16 16-0180 EA 18" Fiber Reinforced Plastic Two Piece Reducer	822.41	299.42
23 31 16 16-0181 EA 20" Fiber Reinforced Plastic Two Piece Reducer	1,017.28	325.17
23 31 16 16-0182 EA 24" Fiber Reinforced Plastic Two Piece Reducer	1,221.65	358.09
23 31 16 16-0183 EA 30" Fiber Reinforced Plastic Two Piece Reducer	1,312.92	390.88
23 31 16 16-0184 EA 36" Fiber Reinforced Plastic Two Piece Reducer	1,491.92	439.38
23 31 16 16-0185 EA 42" Fiber Reinforced Plastic Two Piece Reducer	1,622.19	488.16
23 31 16 16-0186 EA 48" Fiber Reinforced Plastic Two Piece Reducer	1,776.48	536.66
23 31 16 16-0187 EA 54" Fiber Reinforced Plastic Two Piece Reducer	1,990.45	650.34
23 31 16 16-0188 EA 60" Fiber Reinforced Plastic Two Piece Reducer	2,325.13	812.92
23 31 16 16-0189 EA 66" Fiber Reinforced Plastic Two Piece Reducer	2,626.78	973.34
23 31 16 16-0190 EA 72" Fiber Reinforced Plastic Two Piece Reducer	2,897.43	1,106.25

23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)

23 31 16 16-0192 EA 2" Fiber Reinforced Plastic Damper	393.99	70.18
23 31 16 16-0193 EA 3" Fiber Reinforced Plastic Damper	445.93	83.86
23 31 16 16-0194 EA 4" Fiber Reinforced Plastic Damper	497.84	97.55
23 31 16 16-0195 EA 6" Fiber Reinforced Plastic Damper	595.77	130.07
23 31 16 16-0196 EA 8" Fiber Reinforced Plastic Damper	708.26	162.59
23 31 16 16-0197 EA 10" Fiber Reinforced Plastic Damper	806.21	195.10
23 31 16 16-0198 EA 12" Fiber Reinforced Plastic Damper	929.09	242.66
23 31 16 16-0199 EA 14" Fiber Reinforced Plastic Damper	1,025.79	256.88
23 31 16 16-0200 EA 16" Fiber Reinforced Plastic Damper	1,135.53	278.87
23 31 16 16-0201 EA 18" Fiber Reinforced Plastic Damper	1,242.03	299.15
23 31 16 16-0202 EA 20" Fiber Reinforced Plastic Damper	1,329.16	325.17
23 31 16 16-0203 EA 24" Fiber Reinforced Plastic Damper	1,499.97	357.69
23 31 16 16-0204 EA 30" Fiber Reinforced Plastic Damper	1,729.03	390.21
23 31 16 16-0205 EA 36" Fiber Reinforced Plastic Damper	1,985.31	438.98
23 31 16 16-0206 EA 42" Fiber Reinforced Plastic Damper	2,270.69	487.89
23 31 16 16-0207 EA 48" Fiber Reinforced Plastic Damper	2,526.98	536.66
23 31 16 16-0208 EA 54" Fiber Reinforced Plastic Damper	2,978.82	650.34
23 31 16 16-0209 EA 60" Fiber Reinforced Plastic Damper	3,512.18	812.92
23 31 16 16-0210 EA 66" Fiber Reinforced Plastic Damper	4,015.85	975.24
23 31 16 16-0211 EA 72" Fiber Reinforced Plastic Damper	4,611.38	1,105.17

23 31 16 23 Fabric Ducts (23 31 16)

23 31 16 23-0001 Heavy Duty Fabric Ducts (Zip-A-Duct™) (23 31 16 23)

23 31 16 23-0002 Heavy Duty Fabric Duct Without Vents (23 31 16 23-0001)

Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.

23 31 16 23-0003 EA 12" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents	190.05	10.12
Note: Excludes suspension cable and hardware.		
23 31 16 23-0004 EA 12" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents	295.95	13.50
Note: Excludes suspension cable and hardware.		
23 31 16 23-0005 EA 16" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents	231.76	16.87
Note: Excludes suspension cable and hardware.		
23 31 16 23-0006 EA 16" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents	343.50	22.18
Note: Excludes suspension cable and hardware.		
23 31 16 23-0007 EA 20" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents	282.64	23.15
Note: Excludes suspension cable and hardware.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0008 EA 20" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	403.83	30.86
23 31 16 23-0009 EA 24" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	330.73	29.89
23 31 16 23-0010 EA 24" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	464.15	39.53
23 31 16 23-0011 EA 28" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	369.40	34.24
23 31 16 23-0012 EA 28" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	551.18	45.81
23 31 16 23-0013 EA 32" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	406.61	38.09
23 31 16 23-0014 EA 32" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	614.69	50.62
23 31 16 23-0015 EA 36" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	443.94	43.40
23 31 16 23-0016 EA 36" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	708.90	57.85
23 31 16 23-0017 Heavy Duty Fabric Duct With Vents <small>(23 31 16 23-0001)</small>		
23 31 16 23-0018 EA 12" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	508.57	13.50
23 31 16 23-0019 EA 16" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	568.88	22.18
23 31 16 23-0020 EA 20" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	639.84	30.86
23 31 16 23-0021 EA 24" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	712.91	39.53
23 31 16 23-0022 EA 28" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	857.35	45.81
23 31 16 23-0023 EA 32" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	920.86	50.62
23 31 16 23-0024 EA 36" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,040.59	57.85
23 31 16 23-0025 Heavy Duty Fabric Duct 90 Degree Elbow <small>(23 31 16 23-0001)</small>		
23 31 16 23-0026 EA 12" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	381.79	14.47
23 31 16 23-0027 EA 16" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	431.48	23.15
23 31 16 23-0028 EA 20" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	579.77	25.08
23 31 16 23-0029 EA 24" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	710.26	33.75
23 31 16 23-0030 EA 28" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	894.17	37.60
23 31 16 23-0031 EA 32" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,110.64	40.98
23 31 16 23-0032 EA 36" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,261.43	45.81
23 31 16 23-0033 Heavy Duty Fabric Duct 45 Degree Elbow <small>(23 31 16 23-0001)</small>		
23 31 16 23-0034 EA 12" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	294.62	14.47
23 31 16 23-0035 EA 16" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	350.68	23.15
23 31 16 23-0036 EA 20" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	392.67	25.08
23 31 16 23-0037 EA 24" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	461.49	33.75
23 31 16 23-0038 EA 28" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	532.72	37.60
23 31 16 23-0039 EA 32" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	636.50	40.98
23 31 16 23-0040 EA 36" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	725.52	45.81
23 31 16 23-0041 Heavy Duty Fabric Duct Tee <small>(23 31 16 23-0001)</small>		
23 31 16 23-0042 EA 16" x 12" x 12" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	931.38	33.75
23 31 16 23-0043 EA 20" x 16" x 16" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	981.22	36.17
23 31 16 23-0044 EA 24" x 16" x 16" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,070.23	48.69
23 31 16 23-0045 EA 28" x 20" x 20" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,128.16	54.49
23 31 16 23-0046 EA 32" x 24" x 24" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,172.54	59.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0047 EA 36" x 28" x 28" Gray Heavy Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,232.72	66.54
23 31 16 23-0048 Heavy Duty Fabric Duct Inlets (23 31 16 23-0001)		
23 31 16 23-0049 EA 12" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	156.41	14.47
23 31 16 23-0050 EA 16" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	189.09	23.15
23 31 16 23-0051 EA 20" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	203.44	25.08
23 31 16 23-0052 EA 24" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	238.24	33.75
23 31 16 23-0053 EA 28" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	256.31	37.60
23 31 16 23-0054 EA 32" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	275.04	40.98
23 31 16 23-0055 EA 36" Diameter Gray Heavy Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	302.41	45.81
23 31 16 23-0056 Heavy Duty Fabric Duct Cap (23 31 16 23-0001)		
23 31 16 23-0057 EA 12" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	92.11	8.68
23 31 16 23-0058 EA 16" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	118.81	13.99
23 31 16 23-0059 EA 20" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	138.75	14.95
23 31 16 23-0060 EA 24" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	193.08	20.25
23 31 16 23-0061 EA 28" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	230.15	22.66
23 31 16 23-0062 EA 32" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	284.90	24.59
23 31 16 23-0063 EA 36" Diameter Gray Heavy Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	321.31	27.48
23 31 16 23-0064 Heavy Duty Fabric Duct Suspension Hardware (23 31 16 23-0001)		
23 31 16 23-0065 EA 12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	39.79	7.31
23 31 16 23-0066 EA 20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	61.69	10.96
23 31 16 23-0067 EA Galvanized Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	15.52	3.65
23 31 16 23-0068 LF Galvanized Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	0.82	0.15
23 31 16 23-0069 EA Galvanized Stretcher For Straight Fabric Duct Runs 35.09 7.31	35.09	7.31
23 31 16 23-0070 EA 12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	68.02	7.31
23 31 16 23-0071 EA 20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	93.80	10.96
23 31 16 23-0072 EA Stainless Steel Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	19.50	3.65
23 31 16 23-0073 LF Stainless Steel Plastic Coated Cable For Fabric Duct 2.44 0.15	2.44	0.15
23 31 16 23-0074 EA Stainless Steel Stretcher For Straight Fabric Duct Runs 45.38 7.31	45.38	7.31
23 33 Air Duct Accessories (23 30)		
23 33 13 Dampers (23 33)		
23 33 13 13 Volume-Control Dampers (23 33 13)		
23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (Ruskin CDR) (23 33 13 13)		
23 33 13 13-0002 EA 6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated 113.77 11.68	113.77	11.68
<i>For Stainless Steel, Add</i> 89.02	89.02	
<i>For Parallel Blade Damper, Add</i> 27.39	27.39	
23 33 13 13-0003 EA 7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated 122.00 13.13	122.00	13.13
<i>For Stainless Steel, Add</i> 90.31	90.31	
<i>For Parallel Blade Damper, Add</i> 27.79	27.79	
23 33 13 13-0004 EA 8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated 131.29 14.59	131.29	14.59
<i>For Stainless Steel, Add</i> 91.26	91.26	
<i>For Parallel Blade Damper, Add</i> 28.08	28.08	
23 33 13 13-0005 EA 10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated 141.94 17.51	141.94	17.51
<i>For Stainless Steel, Add</i> 96.97	96.97	
<i>For Parallel Blade Damper, Add</i> 29.84	29.84	
23 33 13 13-0006 EA 12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated 154.03 18.97	154.03	18.97
<i>For Stainless Steel, Add</i> 102.67	102.67	
<i>For Parallel Blade Damper, Add</i> 31.59	31.59	
23 33 13 13-0007 EA 14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated 183.00 20.43	183.00	20.43
<i>For Stainless Steel, Add</i> 131.20	131.20	
<i>For Parallel Blade Damper, Add</i> 40.37	40.37	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0008 EA 15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	200.27	21.88
For Stainless Steel, Add	142.61	
For Parallel Blade Damper, Add	43.88	
23 33 13 13-0009 EA 16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	211.35	24.81
For Stainless Steel, Add	148.29	
For Parallel Blade Damper, Add	45.63	
23 33 13 13-0010 EA 18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	232.31	26.27
For Stainless Steel, Add	165.41	
For Parallel Blade Damper, Add	50.90	
23 33 13 13-0011 EA 20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	272.16	29.19
For Stainless Steel, Add	205.35	
For Parallel Blade Damper, Add	63.18	
23 33 13 13-0012 EA 24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	299.26	29.19
For Stainless Steel, Add	233.83	
For Parallel Blade Damper, Add	71.95	
23 33 13 13-0013 EA 30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	341.92	33.56
For Stainless Steel, Add	273.77	
For Parallel Blade Damper, Add	84.24	
23 33 13 13-0014 EA 36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	367.71	35.02
For Stainless Steel, Add	298.31	
For Parallel Blade Damper, Add	91.79	
23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) <small>(23 33 13 13)</small>		
23 33 13 13-0016 EA 6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	129.12	16.22
For Stainless Steel, Add	104.61	
For Parallel Blade Damper, Add	32.19	
23 33 13 13-0017 EA 8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	137.03	16.95
For Stainless Steel, Add	112.03	
For Parallel Blade Damper, Add	34.47	
23 33 13 13-0018 EA 8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	143.07	17.09
For Stainless Steel, Add	119.51	
For Parallel Blade Damper, Add	36.77	
23 33 13 13-0019 EA 10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	143.07	17.09
For Stainless Steel, Add	119.51	
For Parallel Blade Damper, Add	36.77	
23 33 13 13-0020 EA 10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	150.29	17.54
For Stainless Steel, Add	127.00	
For Parallel Blade Damper, Add	39.08	
23 33 13 13-0021 EA 10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	167.60	19.44
For Stainless Steel, Add	141.90	
For Parallel Blade Damper, Add	43.66	
23 33 13 13-0022 EA 12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	150.29	17.54
For Stainless Steel, Add	127.00	
For Parallel Blade Damper, Add	39.08	
23 33 13 13-0023 EA 12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.67	18.55
For Stainless Steel, Add	141.90	
For Parallel Blade Damper, Add	43.66	
23 33 13 13-0024 EA 12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	173.40	19.44
For Stainless Steel, Add	149.44	
For Parallel Blade Damper, Add	45.98	
23 33 13 13-0025 EA 12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	186.45	21.92
For Stainless Steel, Add	156.91	
For Parallel Blade Damper, Add	48.28	
23 33 13 13-0026 EA 14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	161.84	18.55
For Stainless Steel, Add	138.22	
For Parallel Blade Damper, Add	42.53	
23 33 13 13-0027 EA 14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	173.40	19.44
For Stainless Steel, Add	149.44	
For Parallel Blade Damper, Add	45.98	
23 33 13 13-0028 EA 14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	182.06	20.45
For Stainless Steel, Add	156.91	
For Parallel Blade Damper, Add	48.28	
23 33 13 13-0029 EA 14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	192.20	21.92
For Stainless Steel, Add	164.39	
For Parallel Blade Damper, Add	50.58	
23 33 13 13-0030 EA 14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	213.85	24.40
For Stainless Steel, Add	183.03	
For Parallel Blade Damper, Add	56.32	
23 33 13 13-0031 EA 16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	173.40	19.44
For Stainless Steel, Add	149.44	
For Parallel Blade Damper, Add	45.98	
23 33 13 13-0032 EA 16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	183.52	20.89
For Stainless Steel, Add	156.91	
For Parallel Blade Damper, Add	48.28	
23 33 13 13-0033 EA 16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.12	22.93
For Stainless Steel, Add	164.39	
For Parallel Blade Damper, Add	50.58	
23 33 13 13-0034 EA 16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.22	24.40
For Stainless Steel, Add	171.81	
For Parallel Blade Damper, Add	52.86	
23 33 13 13-0035 EA 16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.95	26.73
For Stainless Steel, Add	190.57	
For Parallel Blade Damper, Add	58.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0036 EA 16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	248.60	29.22
For Stainless Steel, Add	209.21	
For Parallel Blade Damper, Add	64.37	
23 33 13 13-0037 EA 18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	182.06	20.45
For Stainless Steel, Add	156.91	
For Parallel Blade Damper, Add	48.28	
23 33 13 13-0038 EA 18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.04	21.92
For Stainless Steel, Add	168.08	
For Parallel Blade Damper, Add	51.72	
23 33 13 13-0039 EA 18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	211.02	24.40
For Stainless Steel, Add	179.35	
For Parallel Blade Damper, Add	55.18	
23 33 13 13-0040 EA 18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	232.70	26.73
For Stainless Steel, Add	198.04	
For Parallel Blade Damper, Add	60.94	
23 33 13 13-0041 EA 18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	251.48	29.22
For Stainless Steel, Add	212.95	
For Parallel Blade Damper, Add	65.52	
23 33 13 13-0042 EA 18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	265.01	31.56
For Stainless Steel, Add	221.07	
For Parallel Blade Damper, Add	68.02	
23 33 13 13-0043 EA 18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	280.56	34.04
For Stainless Steel, Add	231.78	
For Parallel Blade Damper, Add	71.32	
23 33 13 13-0044 EA 20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	180.71	21.92
For Stainless Steel, Add	149.45	
For Parallel Blade Damper, Add	45.98	
23 33 13 13-0045 EA 20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	198.44	24.40
For Stainless Steel, Add	162.99	
For Parallel Blade Damper, Add	50.15	
23 33 13 13-0046 EA 20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	216.20	26.73
For Stainless Steel, Add	176.59	
For Parallel Blade Damper, Add	54.34	
23 33 13 13-0047 EA 20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	244.43	29.22
For Stainless Steel, Add	203.79	
For Parallel Blade Damper, Add	62.70	
23 33 13 13-0048 EA 20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	259.57	31.56
For Stainless Steel, Add	213.99	
For Parallel Blade Damper, Add	65.84	
23 33 13 13-0049 EA 20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	274.72	34.04
For Stainless Steel, Add	224.19	
For Parallel Blade Damper, Add	68.98	
23 33 13 13-0050 EA 20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	292.46	36.53
For Stainless Steel, Add	237.74	
For Parallel Blade Damper, Add	73.15	
23 33 13 13-0051 EA 20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	310.18	38.86
For Stainless Steel, Add	251.29	
For Parallel Blade Damper, Add	77.32	
23 33 13 13-0052 EA 24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	203.67	24.40
For Stainless Steel, Add	169.79	
For Parallel Blade Damper, Add	52.24	
23 33 13 13-0053 EA 24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.66	26.73
For Stainless Steel, Add	190.19	
For Parallel Blade Damper, Add	58.52	
23 33 13 13-0054 EA 24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	244.43	29.22
For Stainless Steel, Add	203.79	
For Parallel Blade Damper, Add	62.70	
23 33 13 13-0055 EA 24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	267.41	31.56
For Stainless Steel, Add	224.19	
For Parallel Blade Damper, Add	68.98	
23 33 13 13-0056 EA 24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	282.53	34.04
For Stainless Steel, Add	234.34	
For Parallel Blade Damper, Add	72.10	
23 33 13 13-0057 EA 24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	297.69	36.53
For Stainless Steel, Add	244.54	
For Parallel Blade Damper, Add	75.24	
23 33 13 13-0058 EA 24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	320.64	38.86
For Stainless Steel, Add	264.89	
For Parallel Blade Damper, Add	81.50	
23 33 13 13-0059 EA 24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	350.91	43.83
For Stainless Steel, Add	285.25	
For Parallel Blade Damper, Add	87.77	
23 33 13 13-0060 EA 24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	386.47	48.65
For Stainless Steel, Add	312.48	
For Parallel Blade Damper, Add	96.15	
23 33 13 13-0061 EA 28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.66	26.73
For Stainless Steel, Add	190.19	
For Parallel Blade Damper, Add	58.52	
23 33 13 13-0062 EA 28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	244.43	29.22
For Stainless Steel, Add	203.79	
For Parallel Blade Damper, Add	62.70	
23 33 13 13-0063 EA 28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	267.41	31.56
For Stainless Steel, Add	224.19	
For Parallel Blade Damper, Add	68.98	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0064 EA 28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	285.15	34.04
For Stainless Steel, Add	237.74	
For Parallel Blade Damper, Add	73.15	
23 33 13 13-0065 EA 28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	305.50	36.53
For Stainless Steel, Add	254.70	
For Parallel Blade Damper, Add	78.37	
23 33 13 13-0066 EA 28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	325.83	38.86
For Stainless Steel, Add	271.64	
For Parallel Blade Damper, Add	83.58	
23 33 13 13-0067 EA 28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	356.14	43.83
For Stainless Steel, Add	292.05	
For Parallel Blade Damper, Add	89.86	
23 33 13 13-0068 EA 28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	386.47	48.65
For Stainless Steel, Add	312.48	
For Parallel Blade Damper, Add	96.15	
23 33 13 13-0069 EA 28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	425.09	51.14
For Stainless Steel, Add	353.18	
For Parallel Blade Damper, Add	108.67	
23 33 13 13-0070 EA 28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	465.82	55.96
For Stainless Steel, Add	387.14	
For Parallel Blade Damper, Add	119.12	
23 33 13 13-0071 EA 32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	260.12	29.22
For Stainless Steel, Add	224.19	
For Parallel Blade Damper, Add	68.98	
23 33 13 13-0072 EA 32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	272.61	31.56
For Stainless Steel, Add	230.95	
For Parallel Blade Damper, Add	71.06	
23 33 13 13-0073 EA 32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	285.15	34.04
For Stainless Steel, Add	237.74	
For Parallel Blade Damper, Add	73.15	
23 33 13 13-0074 EA 32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	302.88	36.53
For Stainless Steel, Add	251.29	
For Parallel Blade Damper, Add	77.32	
23 33 13 13-0075 EA 32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	326.85	38.86
For Stainless Steel, Add	272.96	
For Parallel Blade Damper, Add	83.99	
23 33 13 13-0076 EA 32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	356.14	43.83
For Stainless Steel, Add	292.05	
For Parallel Blade Damper, Add	89.86	
23 33 13 13-0077 EA 32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	391.70	48.65
For Stainless Steel, Add	319.28	
For Parallel Blade Damper, Add	98.24	
23 33 13 13-0078 EA 32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	427.21	53.47
For Stainless Steel, Add	346.44	
For Parallel Blade Damper, Add	106.60	
23 33 13 13-0079 EA 32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	465.82	55.96
For Stainless Steel, Add	387.14	
For Parallel Blade Damper, Add	119.12	
23 33 13 13-0080 EA 32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	514.12	59.90
For Stainless Steel, Add	434.73	
For Parallel Blade Damper, Add	133.76	
23 33 13 13-0081 EA 32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	566.15	63.26
For Stainless Steel, Add	489.07	
For Parallel Blade Damper, Add	150.48	
23 33 13 13-0082 EA 36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	283.07	31.56
For Stainless Steel, Add	244.54	
For Parallel Blade Damper, Add	75.24	
23 33 13 13-0083 EA 36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	300.80	34.04
For Stainless Steel, Add	258.09	
For Parallel Blade Damper, Add	79.41	
23 33 13 13-0084 EA 36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	318.53	36.53
For Stainless Steel, Add	271.64	
For Parallel Blade Damper, Add	83.58	
23 33 13 13-0085 EA 36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	341.53	38.86
For Stainless Steel, Add	292.05	
For Parallel Blade Damper, Add	89.86	
23 33 13 13-0086 EA 36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	364.02	43.83
For Stainless Steel, Add	302.29	
For Parallel Blade Damper, Add	93.01	
23 33 13 13-0087 EA 36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	379.17	46.17
For Stainless Steel, Add	312.48	
For Parallel Blade Damper, Add	96.15	
23 33 13 13-0088 EA 36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	427.21	53.47
For Stainless Steel, Add	346.44	
For Parallel Blade Damper, Add	106.60	
23 33 13 13-0089 EA 36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.90	58.45
For Stainless Steel, Add	380.34	
For Parallel Blade Damper, Add	117.03	
23 33 13 13-0090 EA 36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	505.12	60.34
For Stainless Steel, Add	421.14	
For Parallel Blade Damper, Add	129.58	
23 33 13 13-0091 EA 36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	560.04	64.72
For Stainless Steel, Add	475.44	
For Parallel Blade Damper, Add	146.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0092 EA 36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	606.84	68.09
For Stainless Steel, Add	522.98	
For Parallel Blade Damper, Add	160.92	
23 33 13 13-0093 EA 36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	655.96	70.57
For Stainless Steel, Add	577.33	
For Parallel Blade Damper, Add	177.64	
23 33 13 13-0094 EA 40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	295.57	36.53
For Stainless Steel, Add	251.29	
For Parallel Blade Damper, Add	77.32	
23 33 13 13-0095 EA 40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	323.76	38.86
For Stainless Steel, Add	278.43	
For Parallel Blade Damper, Add	85.67	
23 33 13 13-0096 EA 40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	336.30	41.34
For Stainless Steel, Add	285.25	
For Parallel Blade Damper, Add	87.77	
23 33 13 13-0097 EA 40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	348.84	43.83
For Stainless Steel, Add	292.05	
For Parallel Blade Damper, Add	89.86	
23 33 13 13-0098 EA 40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	381.75	46.17
For Stainless Steel, Add	315.84	
For Parallel Blade Damper, Add	97.18	
23 33 13 13-0099 EA 40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	407.36	48.65
For Stainless Steel, Add	339.64	
For Parallel Blade Damper, Add	104.50	
23 33 13 13-0100 EA 40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	450.16	55.96
For Stainless Steel, Add	366.78	
For Parallel Blade Damper, Add	112.86	
23 33 13 13-0101 EA 40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	485.69	60.78
For Stainless Steel, Add	393.98	
For Parallel Blade Damper, Add	121.22	
23 33 13 13-0102 EA 40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	528.73	64.72
For Stainless Steel, Add	434.73	
For Parallel Blade Damper, Add	133.76	
23 33 13 13-0103 EA 40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	596.42	68.09
For Stainless Steel, Add	509.43	
For Parallel Blade Damper, Add	156.75	
23 33 13 13-0104 EA 40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	639.41	72.03
For Stainless Steel, Add	550.13	
For Parallel Blade Damper, Add	169.27	
23 33 13 13-0105 EA 40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	702.75	73.93
For Stainless Steel, Add	624.87	
For Parallel Blade Damper, Add	192.27	
23 33 13 13-0106 EA 40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	766.71	77.87
For Stainless Steel, Add	692.82	
For Parallel Blade Damper, Add	213.18	
23 33 13 13-0107 EA 44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	313.34	36.53
For Stainless Steel, Add	264.89	
For Parallel Blade Damper, Add	81.50	
23 33 13 13-0108 EA 44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	341.53	38.86
For Stainless Steel, Add	292.05	
For Parallel Blade Damper, Add	89.86	
23 33 13 13-0109 EA 44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	364.56	41.34
For Stainless Steel, Add	312.48	
For Parallel Blade Damper, Add	96.15	
23 33 13 13-0110 EA 44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	377.09	43.83
For Stainless Steel, Add	319.28	
For Parallel Blade Damper, Add	98.24	
23 33 13 13-0111 EA 44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	405.29	46.17
For Stainless Steel, Add	346.44	
For Parallel Blade Damper, Add	106.60	
23 33 13 13-0112 EA 44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	433.47	48.65
For Stainless Steel, Add	373.58	
For Parallel Blade Damper, Add	114.95	
23 33 13 13-0113 EA 44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	488.85	58.45
For Stainless Steel, Add	407.58	
For Parallel Blade Damper, Add	125.41	
23 33 13 13-0114 EA 44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	529.54	63.26
For Stainless Steel, Add	441.48	
For Parallel Blade Damper, Add	135.84	
23 33 13 13-0115 EA 44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	596.42	68.09
For Stainless Steel, Add	509.43	
For Parallel Blade Damper, Add	156.75	
23 33 13 13-0116 EA 44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	658.06	73.06
For Stainless Steel, Add	570.57	
For Parallel Blade Damper, Add	175.56	
23 33 13 13-0117 EA 44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	724.87	77.87
For Stainless Steel, Add	638.43	
For Parallel Blade Damper, Add	196.44	
23 33 13 13-0118 EA 44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	779.21	80.21
For Stainless Steel, Add	699.57	
For Parallel Blade Damper, Add	215.25	
23 33 13 13-0119 EA 44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	833.55	82.70
For Stainless Steel, Add	760.72	
For Parallel Blade Damper, Add	234.07	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0120 EA 44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	887.89	85.18
For Stainless Steel, Add	821.86	
For Parallel Blade Damper, Add	252.88	
23 33 13 13-0121 EA 48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	336.30	38.86
For Stainless Steel, Add	285.25	
For Parallel Blade Damper, Add	87.77	
23 33 13 13-0122 EA 48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	364.56	41.34
For Stainless Steel, Add	312.48	
For Parallel Blade Damper, Add	96.15	
23 33 13 13-0123 EA 48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	377.09	43.83
For Stainless Steel, Add	319.28	
For Parallel Blade Damper, Add	98.24	
23 33 13 13-0124 EA 48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	407.36	48.65
For Stainless Steel, Add	339.64	
For Parallel Blade Damper, Add	104.50	
23 33 13 13-0125 EA 48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	442.86	53.47
For Stainless Steel, Add	366.78	
For Parallel Blade Damper, Add	112.86	
23 33 13 13-0126 EA 48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	478.39	58.45
For Stainless Steel, Add	393.98	
For Parallel Blade Damper, Add	121.22	
23 33 13 13-0127 EA 48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	524.35	63.26
For Stainless Steel, Add	434.73	
For Parallel Blade Damper, Add	133.76	
23 33 13 13-0128 EA 48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	570.27	68.09
For Stainless Steel, Add	475.44	
For Parallel Blade Damper, Add	146.29	
23 33 13 13-0129 EA 48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	631.91	73.06
For Stainless Steel, Add	536.58	
For Parallel Blade Damper, Add	165.10	
23 33 13 13-0130 EA 48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	703.98	77.87
For Stainless Steel, Add	611.27	
For Parallel Blade Damper, Add	188.08	
23 33 13 13-0131 EA 48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	758.36	80.21
For Stainless Steel, Add	672.46	
For Parallel Blade Damper, Add	206.91	
23 33 13 13-0132 EA 48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	828.32	82.70
For Stainless Steel, Add	753.92	
For Parallel Blade Damper, Add	231.98	
23 33 13 13-0133 EA 48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	889.97	87.51
For Stainless Steel, Add	815.06	
For Parallel Blade Damper, Add	250.79	
23 33 13 13-0134 EA 48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	959.96	90.00
For Stainless Steel, Add	896.56	
For Parallel Blade Damper, Add	275.86	
23 33 13 13-0135 EA 48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,023.68	97.31
For Stainless Steel, Add	950.91	
For Parallel Blade Damper, Add	292.59	
23 33 13 13-0136 EA 52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	359.33	41.34
For Stainless Steel, Add	305.68	
For Parallel Blade Damper, Add	94.06	
23 33 13 13-0137 EA 52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	387.52	43.83
For Stainless Steel, Add	332.84	
For Parallel Blade Damper, Add	102.41	
23 33 13 13-0138 EA 52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	423.01	48.65
For Stainless Steel, Add	359.98	
For Parallel Blade Damper, Add	110.76	
23 33 13 13-0139 EA 52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	442.86	53.47
For Stainless Steel, Add	366.78	
For Parallel Blade Damper, Add	112.86	
23 33 13 13-0140 EA 52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	481.01	58.45
For Stainless Steel, Add	397.38	
For Parallel Blade Damper, Add	122.27	
23 33 13 13-0141 EA 52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	519.12	63.26
For Stainless Steel, Add	427.93	
For Parallel Blade Damper, Add	131.67	
23 33 13 13-0142 EA 52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	565.07	68.09
For Stainless Steel, Add	468.68	
For Parallel Blade Damper, Add	144.21	
23 33 13 13-0143 EA 52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	611.03	73.06
For Stainless Steel, Add	509.43	
For Parallel Blade Damper, Add	156.75	
23 33 13 13-0144 EA 52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	672.67	77.87
For Stainless Steel, Add	570.57	
For Parallel Blade Damper, Add	175.56	
23 33 13 13-0145 EA 52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	749.94	82.70
For Stainless Steel, Add	652.03	
For Parallel Blade Damper, Add	200.62	
23 33 13 13-0146 EA 52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	809.48	85.18
For Stainless Steel, Add	719.93	
For Parallel Blade Damper, Add	221.52	
23 33 13 13-0147 EA 52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	884.74	87.51
For Stainless Steel, Add	808.26	
For Parallel Blade Damper, Add	248.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0148 EA 52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	962.01	92.48
For Stainless Steel, Add	889.72	
For Parallel Blade Damper, Add	273.76	
23 33 13 13-0149 EA 52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,023.68	97.31
For Stainless Steel, Add	950.91	
For Parallel Blade Damper, Add	292.59	
23 33 13 13-0150 EA 52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,108.28	104.61
For Stainless Steel, Add	1,032.41	
For Parallel Blade Damper, Add	317.66	
23 33 13 13-0151 EA 52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,175.16	109.43
For Stainless Steel, Add	1,100.35	
For Parallel Blade Damper, Add	338.57	
23 33 13 13-0152 EA 56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	377.09	43.83
For Stainless Steel, Add	319.28	
For Parallel Blade Damper, Add	98.24	
23 33 13 13-0153 EA 56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	417.78	48.65
For Stainless Steel, Add	353.18	
For Parallel Blade Damper, Add	108.67	
23 33 13 13-0154 EA 56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	448.09	53.47
For Stainless Steel, Add	373.58	
For Parallel Blade Damper, Add	114.95	
23 33 13 13-0155 EA 56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.90	58.45
For Stainless Steel, Add	380.34	
For Parallel Blade Damper, Add	117.03	
23 33 13 13-0156 EA 56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	511.27	63.26
For Stainless Steel, Add	417.73	
For Parallel Blade Damper, Add	128.53	
23 33 13 13-0157 EA 56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	554.61	68.09
For Stainless Steel, Add	455.08	
For Parallel Blade Damper, Add	140.02	
23 33 13 13-0158 EA 56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	597.95	73.06
For Stainless Steel, Add	492.43	
For Parallel Blade Damper, Add	151.52	
23 33 13 13-0159 EA 56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	641.29	77.87
For Stainless Steel, Add	529.78	
For Parallel Blade Damper, Add	163.01	
23 33 13 13-0160 EA 56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	718.59	82.70
For Stainless Steel, Add	611.27	
For Parallel Blade Damper, Add	188.08	
23 33 13 13-0161 EA 56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	788.63	85.18
For Stainless Steel, Add	692.82	
For Parallel Blade Damper, Add	213.18	
23 33 13 13-0162 EA 56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	853.40	87.51
For Stainless Steel, Add	767.52	
For Parallel Blade Damper, Add	236.16	
23 33 13 13-0163 EA 56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	941.16	92.48
For Stainless Steel, Add	862.62	
For Parallel Blade Damper, Add	265.42	
23 33 13 13-0164 EA 56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,018.45	97.31
For Stainless Steel, Add	944.11	
For Parallel Blade Damper, Add	290.50	
23 33 13 13-0165 EA 56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,100.98	102.12
For Stainless Steel, Add	1,032.41	
For Parallel Blade Damper, Add	317.66	
23 33 13 13-0166 EA 56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,167.85	107.10
For Stainless Steel, Add	1,100.35	
For Parallel Blade Damper, Add	338.57	
23 33 13 13-0167 EA 56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,250.38	111.92
For Stainless Steel, Add	1,188.64	
For Parallel Blade Damper, Add	365.74	
23 33 13 13-0168 EA 56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,332.92	116.74
For Stainless Steel, Add	1,276.95	
For Parallel Blade Damper, Add	392.91	
23 33 13 13-0169 EA 60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	407.36	48.65
For Stainless Steel, Add	339.64	
For Parallel Blade Damper, Add	104.50	
23 33 13 13-0170 EA 60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	448.09	53.47
For Stainless Steel, Add	373.58	
For Parallel Blade Damper, Add	114.95	
23 33 13 13-0171 EA 60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	473.13	58.45
For Stainless Steel, Add	387.14	
For Parallel Blade Damper, Add	119.12	
23 33 13 13-0172 EA 60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	493.00	63.26
For Stainless Steel, Add	393.98	
For Parallel Blade Damper, Add	121.22	
23 33 13 13-0173 EA 60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	538.96	68.09
For Stainless Steel, Add	434.73	
For Parallel Blade Damper, Add	133.76	
23 33 13 13-0174 EA 60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	584.88	73.06
For Stainless Steel, Add	475.44	
For Parallel Blade Damper, Add	146.29	
23 33 13 13-0175 EA 60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	633.45	77.87
For Stainless Steel, Add	519.58	
For Parallel Blade Damper, Add	159.87	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	682.02	82.70
			<i>For Stainless Steel, Add</i>	563.73	
			<i>For Parallel Blade Damper, Add</i>	173.46	
23 33 13	13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	757.25	85.18
			<i>For Stainless Steel, Add</i>	652.03	
			<i>For Parallel Blade Damper, Add</i>	200.62	
23 33 13	13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	827.25	87.51
			<i>For Stainless Steel, Add</i>	733.53	
			<i>For Parallel Blade Damper, Add</i>	225.70	
23 33 13	13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	909.81	92.48
			<i>For Stainless Steel, Add</i>	821.86	
			<i>For Parallel Blade Damper, Add</i>	252.88	
23 33 13	13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	992.33	97.31
			<i>For Stainless Steel, Add</i>	910.16	
			<i>For Parallel Blade Damper, Add</i>	280.05	
23 33 13	13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,059.17	102.12
			<i>For Stainless Steel, Add</i>	978.06	
			<i>For Parallel Blade Damper, Add</i>	300.94	
23 33 13	13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,157.36	107.10
			<i>For Stainless Steel, Add</i>	1,086.71	
			<i>For Parallel Blade Damper, Add</i>	334.37	
23 33 13	13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,245.12	111.92
			<i>For Stainless Steel, Add</i>	1,181.80	
			<i>For Parallel Blade Damper, Add</i>	363.63	
23 33 13	13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,332.92	116.74
			<i>For Stainless Steel, Add</i>	1,276.95	
			<i>For Parallel Blade Damper, Add</i>	392.91	
23 33 13	13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,410.14	121.71
			<i>For Stainless Steel, Add</i>	1,358.34	
			<i>For Parallel Blade Damper, Add</i>	417.95	
23 33 13	13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,487.53	126.53
			<i>For Stainless Steel, Add</i>	1,439.95	
			<i>For Parallel Blade Damper, Add</i>	443.06	
23 33 13 16	Fire Dampers		(23 33 13)		
23 33 13 16-0001	Fire Dampers		(23 33 13 16)		
23 33 13 16-0002	SF		Curtain Type, Vertical, Fire Damper.....	133.39	15.78
			<i>For Smoke Damper, Add</i>	73.02	
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	19.33	
			<i>For Dynamic Damper, Add</i>	46.39	
			<i>For 3 Hour Rated, Add</i>	25.77	
23 33 13 16-0003	SF		Louver Type, Vertical, Fire Damper	180.25	15.78
			<i>For Smoke Damper, Add</i>	112.85	
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	29.87	
			<i>For Dynamic Damper, Add</i>	71.69	
			<i>For 3 Hour Rated, Add</i>	39.83	
23 33 13 16-0004	Folding Curtain Fire Dampers		(23 33 13 16)		
			Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.		
23 33 13 16-0005	EA		6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.73	16.22
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	6.09	
			<i>For Dynamic Damper, Add</i>	14.62	
			<i>For 3 Hour Rated, Add</i>	8.12	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	6.77	
23 33 13 16-0006	EA		8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.86	16.95
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	6.53	
			<i>For Dynamic Damper, Add</i>	15.67	
			<i>For 3 Hour Rated, Add</i>	8.70	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	7.25	
23 33 13 16-0007	EA		8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	82.08	17.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	6.96	
			<i>For Dynamic Damper, Add</i>	16.71	
			<i>For 3 Hour Rated, Add</i>	9.28	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	7.74	
23 33 13 16-0008	EA		10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	82.08	17.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	6.96	
			<i>For Dynamic Damper, Add</i>	16.71	
			<i>For 3 Hour Rated, Add</i>	9.28	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	7.74	
23 33 13 16-0009	EA		10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.48	17.54
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	7.40	
			<i>For Dynamic Damper, Add</i>	17.76	
			<i>For 3 Hour Rated, Add</i>	9.86	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	8.22	
23 33 13 16-0010	EA		10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.19	19.44
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.27	
			<i>For Dynamic Damper, Add</i>	19.84	
			<i>For 3 Hour Rated, Add</i>	11.02	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0011 EA 12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.48	17.54
<i>For Spring Activated Horizontal Mount Operation, Add</i>	7.40	
<i>For Dynamic Damper, Add</i>	17.76	
<i>For 3 Hour Rated, Add</i>	9.86	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	8.22	
23 33 13 16-0012 EA 12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.26	18.55
<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.27	
<i>For Dynamic Damper, Add</i>	19.84	
<i>For 3 Hour Rated, Add</i>	11.02	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.19	
23 33 13 16-0013 EA 12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.13	19.44
<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.70	
<i>For Dynamic Damper, Add</i>	20.89	
<i>For 3 Hour Rated, Add</i>	11.60	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.67	
23 33 13 16-0014 EA 12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.37	21.92
<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.14	
<i>For Dynamic Damper, Add</i>	21.93	
<i>For 3 Hour Rated, Add</i>	12.19	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.16	
23 33 13 16-0015 EA 14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.30	18.55
<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.05	
<i>For Dynamic Damper, Add</i>	19.32	
<i>For 3 Hour Rated, Add</i>	10.73	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	8.95	
23 33 13 16-0016 EA 14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.13	19.44
<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.70	
<i>For Dynamic Damper, Add</i>	20.89	
<i>For 3 Hour Rated, Add</i>	11.60	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.67	
23 33 13 16-0017 EA 14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.98	20.45
<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.14	
<i>For Dynamic Damper, Add</i>	21.93	
<i>For 3 Hour Rated, Add</i>	12.19	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.16	
23 33 13 16-0018 EA 14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.31	21.92
<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.58	
<i>For Dynamic Damper, Add</i>	22.98	
<i>For 3 Hour Rated, Add</i>	12.77	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.64	
23 33 13 16-0019 EA 14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.45	24.40
<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.66	
<i>For Dynamic Damper, Add</i>	25.59	
<i>For 3 Hour Rated, Add</i>	14.22	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.85	
23 33 13 16-0020 EA 16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.13	19.44
<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.70	
<i>For Dynamic Damper, Add</i>	20.89	
<i>For 3 Hour Rated, Add</i>	11.60	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.67	
23 33 13 16-0021 EA 16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	103.44	20.89
<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.14	
<i>For Dynamic Damper, Add</i>	21.93	
<i>For 3 Hour Rated, Add</i>	12.19	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.16	
23 33 13 16-0022 EA 16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.23	22.93
<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.58	
<i>For Dynamic Damper, Add</i>	22.98	
<i>For 3 Hour Rated, Add</i>	12.77	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.64	
23 33 13 16-0023 EA 16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.54	24.40
<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.01	
<i>For Dynamic Damper, Add</i>	24.02	
<i>For 3 Hour Rated, Add</i>	13.34	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.12	
23 33 13 16-0024 EA 16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.69	26.73
<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.10	
<i>For Dynamic Damper, Add</i>	26.64	
<i>For 3 Hour Rated, Add</i>	14.80	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	12.33	
23 33 13 16-0025 EA 16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.84	29.22
<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.19	
<i>For Dynamic Damper, Add</i>	29.25	
<i>For 3 Hour Rated, Add</i>	16.25	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.54	
23 33 13 16-0026 EA 18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.98	20.45
<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.14	
<i>For Dynamic Damper, Add</i>	21.93	
<i>For 3 Hour Rated, Add</i>	12.19	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.16	
23 33 13 16-0027 EA 18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.27	21.92
<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.79	
<i>For Dynamic Damper, Add</i>	23.50	
<i>For 3 Hour Rated, Add</i>	13.06	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.88	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0028 EA 18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.49	24.40
For Spring Activated Horizontal Mount Operation, Add	10.45	
For Dynamic Damper, Add	25.07	
For 3 Hour Rated, Add	13.93	
For Cap Of Damper Blades Outside Air Stream, Add	11.61	
23 33 13 16-0029 EA 18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.63	26.73
For Spring Activated Horizontal Mount Operation, Add	11.54	
For Dynamic Damper, Add	27.69	
For 3 Hour Rated, Add	15.38	
For Cap Of Damper Blades Outside Air Stream, Add	12.82	
23 33 13 16-0030 EA 18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	142.80	29.22
For Spring Activated Horizontal Mount Operation, Add	12.40	
For Dynamic Damper, Add	29.77	
For 3 Hour Rated, Add	16.54	
For Cap Of Damper Blades Outside Air Stream, Add	13.78	
23 33 13 16-0031 EA 18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	154.93	31.56
For Spring Activated Horizontal Mount Operation, Add	13.49	
For Dynamic Damper, Add	32.38	
For 3 Hour Rated, Add	17.99	
For Cap Of Damper Blades Outside Air Stream, Add	14.99	
23 33 13 16-0032 EA 18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.14	34.04
For Spring Activated Horizontal Mount Operation, Add	14.15	
For Dynamic Damper, Add	33.95	
For 3 Hour Rated, Add	18.86	
For Cap Of Damper Blades Outside Air Stream, Add	15.72	
23 33 13 16-0033 EA 20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.31	21.92
For Spring Activated Horizontal Mount Operation, Add	9.58	
For Dynamic Damper, Add	22.98	
For 3 Hour Rated, Add	12.77	
For Cap Of Damper Blades Outside Air Stream, Add	10.64	
23 33 13 16-0034 EA 20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.48	24.40
For Spring Activated Horizontal Mount Operation, Add	10.44	
For Dynamic Damper, Add	25.07	
For 3 Hour Rated, Add	13.93	
For Cap Of Damper Blades Outside Air Stream, Add	11.61	
23 33 13 16-0035 EA 20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.65	26.73
For Spring Activated Horizontal Mount Operation, Add	11.32	
For Dynamic Damper, Add	27.16	
For 3 Hour Rated, Add	15.09	
For Cap Of Damper Blades Outside Air Stream, Add	12.57	
23 33 13 16-0036 EA 20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	145.71	29.22
For Spring Activated Horizontal Mount Operation, Add	13.06	
For Dynamic Damper, Add	31.34	
For 3 Hour Rated, Add	17.41	
For Cap Of Damper Blades Outside Air Stream, Add	14.51	
23 33 13 16-0037 EA 20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.90	31.56
For Spring Activated Horizontal Mount Operation, Add	13.71	
For Dynamic Damper, Add	32.91	
For 3 Hour Rated, Add	18.28	
For Cap Of Damper Blades Outside Air Stream, Add	15.24	
23 33 13 16-0038 EA 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.11	34.04
For Spring Activated Horizontal Mount Operation, Add	14.36	
For Dynamic Damper, Add	34.47	
For 3 Hour Rated, Add	19.15	
For Cap Of Damper Blades Outside Air Stream, Add	15.96	
23 33 13 16-0039 EA 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.28	36.53
For Spring Activated Horizontal Mount Operation, Add	15.23	
For Dynamic Damper, Add	36.56	
For 3 Hour Rated, Add	20.31	
For Cap Of Damper Blades Outside Air Stream, Add	16.93	
23 33 13 16-0040 EA 20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.44	38.86
For Spring Activated Horizontal Mount Operation, Add	16.10	
For Dynamic Damper, Add	38.64	
For 3 Hour Rated, Add	21.47	
For Cap Of Damper Blades Outside Air Stream, Add	17.89	
23 33 13 16-0041 EA 24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.42	24.40
For Spring Activated Horizontal Mount Operation, Add	10.88	
For Dynamic Damper, Add	26.11	
For 3 Hour Rated, Add	14.51	
For Cap Of Damper Blades Outside Air Stream, Add	12.09	
23 33 13 16-0042 EA 24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	134.53	26.73
For Spring Activated Horizontal Mount Operation, Add	12.19	
For Dynamic Damper, Add	29.25	
For 3 Hour Rated, Add	16.25	
For Cap Of Damper Blades Outside Air Stream, Add	13.54	
23 33 13 16-0043 EA 24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	145.71	29.22
For Spring Activated Horizontal Mount Operation, Add	13.06	
For Dynamic Damper, Add	31.34	
For 3 Hour Rated, Add	17.41	
For Cap Of Damper Blades Outside Air Stream, Add	14.51	
23 33 13 16-0044 EA 24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.80	31.56
For Spring Activated Horizontal Mount Operation, Add	14.36	
For Dynamic Damper, Add	34.47	
For 3 Hour Rated, Add	19.15	
For Cap Of Damper Blades Outside Air Stream, Add	15.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0045 EA 24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.01	34.04
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.02	
<i>For Dynamic Damper, Add</i>	36.04	
<i>For 3 Hour Rated, Add</i>	20.02	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.69	
23 33 13 16-0046 EA 24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	179.22	36.53
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.67	
<i>For Dynamic Damper, Add</i>	37.61	
<i>For 3 Hour Rated, Add</i>	20.89	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.41	
23 33 13 16-0047 EA 24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	192.32	38.86
<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.97	
<i>For Dynamic Damper, Add</i>	40.74	
<i>For 3 Hour Rated, Add</i>	22.63	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.86	
23 33 13 16-0048 EA 24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	212.73	43.83
<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.28	
<i>For Dynamic Damper, Add</i>	43.87	
<i>For 3 Hour Rated, Add</i>	24.37	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.31	
23 33 13 16-0049 EA 24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.09	48.65
<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.02	
<i>For Dynamic Damper, Add</i>	48.05	
<i>For 3 Hour Rated, Add</i>	26.70	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.25	
23 33 13 16-0050 EA 28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	134.53	26.73
<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.19	
<i>For Dynamic Damper, Add</i>	29.25	
<i>For 3 Hour Rated, Add</i>	16.25	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.54	
23 33 13 16-0051 EA 28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	145.71	29.22
<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.06	
<i>For Dynamic Damper, Add</i>	31.34	
<i>For 3 Hour Rated, Add</i>	17.41	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.51	
23 33 13 16-0052 EA 28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.80	31.56
<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.36	
<i>For Dynamic Damper, Add</i>	34.47	
<i>For 3 Hour Rated, Add</i>	19.15	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.96	
23 33 13 16-0053 EA 28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.97	34.04
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.23	
<i>For Dynamic Damper, Add</i>	36.56	
<i>For 3 Hour Rated, Add</i>	20.31	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.93	
23 33 13 16-0054 EA 28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	182.12	36.53
<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.32	
<i>For Dynamic Damper, Add</i>	39.17	
<i>For 3 Hour Rated, Add</i>	21.76	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.14	
23 33 13 16-0055 EA 28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	194.24	38.86
<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.41	
<i>For Dynamic Damper, Add</i>	41.77	
<i>For 3 Hour Rated, Add</i>	23.21	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.34	
23 33 13 16-0056 EA 28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.67	43.83
<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.72	
<i>For Dynamic Damper, Add</i>	44.92	
<i>For 3 Hour Rated, Add</i>	24.95	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.80	
23 33 13 16-0057 EA 28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.09	48.65
<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.02	
<i>For Dynamic Damper, Add</i>	48.05	
<i>For 3 Hour Rated, Add</i>	26.70	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.25	
23 33 13 16-0058 EA 28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	254.00	51.14
<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.63	
<i>For Dynamic Damper, Add</i>	54.32	
<i>For 3 Hour Rated, Add</i>	30.18	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.15	
23 33 13 16-0059 EA 28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	278.28	55.96
<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.81	
<i>For Dynamic Damper, Add</i>	59.54	
<i>For 3 Hour Rated, Add</i>	33.08	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.57	
23 33 13 16-0060 EA 32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	151.51	29.22
<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.36	
<i>For Dynamic Damper, Add</i>	34.47	
<i>For 3 Hour Rated, Add</i>	19.15	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.96	
23 33 13 16-0061 EA 32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	160.73	31.56
<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.80	
<i>For Dynamic Damper, Add</i>	35.52	
<i>For 3 Hour Rated, Add</i>	19.73	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.44	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0062	EA		32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.97	34.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.23	
			<i>For Dynamic Damper, Add</i>	36.56	
			<i>For 3 Hour Rated, Add</i>	20.31	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.93	
23 33 13 16-0063	EA		32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	181.14	36.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.10	
			<i>For Dynamic Damper, Add</i>	38.64	
			<i>For 3 Hour Rated, Add</i>	21.47	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.89	
23 33 13 16-0064	EA		32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	194.61	38.86
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.49	
			<i>For Dynamic Damper, Add</i>	41.97	
			<i>For 3 Hour Rated, Add</i>	23.32	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.43	
23 33 13 16-0065	EA		32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.67	43.83
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.72	
			<i>For Dynamic Damper, Add</i>	44.92	
			<i>For 3 Hour Rated, Add</i>	24.95	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.80	
23 33 13 16-0066	EA		32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	237.03	48.65
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.46	
			<i>For Dynamic Damper, Add</i>	49.10	
			<i>For 3 Hour Rated, Add</i>	27.28	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.73	
23 33 13 16-0067	EA		32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.38	53.47
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.20	
			<i>For Dynamic Damper, Add</i>	53.28	
			<i>For 3 Hour Rated, Add</i>	29.60	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.67	
23 33 13 16-0068	EA		32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	278.28	55.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.81	
			<i>For Dynamic Damper, Add</i>	59.54	
			<i>For 3 Hour Rated, Add</i>	33.08	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.57	
23 33 13 16-0069	EA		32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	303.52	59.90
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.86	
			<i>For Dynamic Damper, Add</i>	66.86	
			<i>For 3 Hour Rated, Add</i>	37.14	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.95	
23 33 13 16-0070	EA		32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	329.22	63.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	31.34	
			<i>For Dynamic Damper, Add</i>	75.21	
			<i>For 3 Hour Rated, Add</i>	41.78	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.82	
23 33 13 16-0071	EA		36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	164.60	31.56
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.67	
			<i>For Dynamic Damper, Add</i>	37.61	
			<i>For 3 Hour Rated, Add</i>	20.89	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.41	
23 33 13 16-0072	EA		36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	175.77	34.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.54	
			<i>For Dynamic Damper, Add</i>	39.69	
			<i>For 3 Hour Rated, Add</i>	22.05	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.38	
23 33 13 16-0073	EA		36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.94	36.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.41	
			<i>For Dynamic Damper, Add</i>	41.77	
			<i>For 3 Hour Rated, Add</i>	23.21	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.34	
23 33 13 16-0074	EA		36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.06	38.86
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.72	
			<i>For Dynamic Damper, Add</i>	44.92	
			<i>For 3 Hour Rated, Add</i>	24.95	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.80	
23 33 13 16-0075	EA		36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	217.58	43.83
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	19.37	
			<i>For Dynamic Damper, Add</i>	46.49	
			<i>For 3 Hour Rated, Add</i>	25.83	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	21.52	
23 33 13 16-0076	EA		36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	227.79	46.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.02	
			<i>For Dynamic Damper, Add</i>	48.05	
			<i>For 3 Hour Rated, Add</i>	26.70	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.25	
23 33 13 16-0077	EA		36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.38	53.47
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.20	
			<i>For Dynamic Damper, Add</i>	53.28	
			<i>For 3 Hour Rated, Add</i>	29.60	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.67	
23 33 13 16-0078	EA		36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	283.65	58.45
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	58.49	
			<i>For 3 Hour Rated, Add</i>	32.50	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0079 EA 36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	249.70	60.34
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.42	
<i>For Dynamic Damper, Add</i>	37.01	
<i>For 3 Hour Rated, Add</i>	20.56	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.13	
23 33 13 16-0080 EA 36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	329.73	64.72
<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.47	
<i>For Dynamic Damper, Add</i>	73.12	
<i>For 3 Hour Rated, Add</i>	40.62	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	33.85	
23 33 13 16-0081 EA 36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	353.49	68.09
<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.51	
<i>For Dynamic Damper, Add</i>	80.43	
<i>For 3 Hour Rated, Add</i>	44.68	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	37.24	
23 33 13 16-0082 EA 36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	376.27	70.57
<i>For Spring Activated Horizontal Mount Operation, Add</i>	36.99	
<i>For Dynamic Damper, Add</i>	88.78	
<i>For 3 Hour Rated, Add</i>	49.32	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	41.10	
23 33 13 16-0083 EA 40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	173.83	36.53
<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.10	
<i>For Dynamic Damper, Add</i>	38.64	
<i>For 3 Hour Rated, Add</i>	21.47	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.89	
23 33 13 16-0084 EA 40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.88	38.86
<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.84	
<i>For Dynamic Damper, Add</i>	42.82	
<i>For 3 Hour Rated, Add</i>	23.79	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.83	
23 33 13 16-0085 EA 40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.12	41.34
<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.28	
<i>For Dynamic Damper, Add</i>	43.87	
<i>For 3 Hour Rated, Add</i>	24.37	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.31	
23 33 13 16-0086 EA 40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	207.37	43.83
<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.72	
<i>For Dynamic Damper, Add</i>	44.92	
<i>For 3 Hour Rated, Add</i>	24.95	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.80	
23 33 13 16-0087 EA 40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.75	46.17
<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.24	
<i>For Dynamic Damper, Add</i>	48.57	
<i>For 3 Hour Rated, Add</i>	26.99	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0088 EA 40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.82	48.65
<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.76	
<i>For Dynamic Damper, Add</i>	52.23	
<i>For 3 Hour Rated, Add</i>	29.02	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.18	
23 33 13 16-0089 EA 40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	272.48	55.96
<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.50	
<i>For Dynamic Damper, Add</i>	56.41	
<i>For 3 Hour Rated, Add</i>	31.34	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	26.12	
23 33 13 16-0090 EA 40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	294.83	60.78
<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.25	
<i>For Dynamic Damper, Add</i>	60.59	
<i>For 3 Hour Rated, Add</i>	33.66	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.05	
23 33 13 16-0091 EA 40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	318.13	64.72
<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.86	
<i>For Dynamic Damper, Add</i>	66.86	
<i>For 3 Hour Rated, Add</i>	37.14	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.95	
23 33 13 16-0092 EA 40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	349.63	68.09
<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.64	
<i>For Dynamic Damper, Add</i>	78.34	
<i>For 3 Hour Rated, Add</i>	43.52	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	36.27	
23 33 13 16-0093 EA 40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	372.91	72.03
<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.25	
<i>For Dynamic Damper, Add</i>	84.61	
<i>For 3 Hour Rated, Add</i>	47.00	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	39.17	
23 33 13 16-0094 EA 40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	400.04	73.93
<i>For Spring Activated Horizontal Mount Operation, Add</i>	40.04	
<i>For Dynamic Damper, Add</i>	96.10	
<i>For 3 Hour Rated, Add</i>	53.39	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	44.49	
23 33 13 16-0095 EA 40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	431.08	77.87
<i>For Spring Activated Horizontal Mount Operation, Add</i>	44.39	
<i>For Dynamic Damper, Add</i>	106.55	
<i>For 3 Hour Rated, Add</i>	59.19	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	49.33	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0096 EA 44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.02	36.53
For Spring Activated Horizontal Mount Operation, Add	16.97	
For Dynamic Damper, Add	40.74	
For 3 Hour Rated, Add	22.63	
For Cap Of Damper Blades Outside Air Stream, Add	18.86	
23 33 13 16-0097 EA 44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.06	38.86
For Spring Activated Horizontal Mount Operation, Add	18.72	
For Dynamic Damper, Add	44.92	
For 3 Hour Rated, Add	24.95	
For Cap Of Damper Blades Outside Air Stream, Add	20.80	
23 33 13 16-0098 EA 44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	213.18	41.34
For Spring Activated Horizontal Mount Operation, Add	20.02	
For Dynamic Damper, Add	48.05	
For 3 Hour Rated, Add	26.70	
For Cap Of Damper Blades Outside Air Stream, Add	22.25	
23 33 13 16-0099 EA 44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	222.42	43.83
For Spring Activated Horizontal Mount Operation, Add	20.46	
For Dynamic Damper, Add	49.10	
For 3 Hour Rated, Add	27.28	
For Cap Of Damper Blades Outside Air Stream, Add	22.73	
23 33 13 16-0100 EA 44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	237.46	46.17
For Spring Activated Horizontal Mount Operation, Add	22.20	
For Dynamic Damper, Add	53.28	
For 3 Hour Rated, Add	29.60	
For Cap Of Damper Blades Outside Air Stream, Add	24.67	
23 33 13 16-0101 EA 44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	252.50	48.65
For Spring Activated Horizontal Mount Operation, Add	23.94	
For Dynamic Damper, Add	57.46	
For 3 Hour Rated, Add	31.92	
For Cap Of Damper Blades Outside Air Stream, Add	26.60	
23 33 13 16-0102 EA 44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	291.40	58.45
For Spring Activated Horizontal Mount Operation, Add	26.12	
For Dynamic Damper, Add	62.68	
For 3 Hour Rated, Add	34.82	
For Cap Of Damper Blades Outside Air Stream, Add	29.02	
23 33 13 16-0103 EA 44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	315.67	63.26
For Spring Activated Horizontal Mount Operation, Add	28.29	
For Dynamic Damper, Add	67.89	
For 3 Hour Rated, Add	37.72	
For Cap Of Damper Blades Outside Air Stream, Add	31.43	
23 33 13 16-0104 EA 44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	349.63	68.09
For Spring Activated Horizontal Mount Operation, Add	32.64	
For Dynamic Damper, Add	78.34	
For 3 Hour Rated, Add	43.52	
For Cap Of Damper Blades Outside Air Stream, Add	36.27	
23 33 13 16-0105 EA 44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	381.65	73.06
For Spring Activated Horizontal Mount Operation, Add	36.56	
For Dynamic Damper, Add	87.74	
For 3 Hour Rated, Add	48.75	
For Cap Of Damper Blades Outside Air Stream, Add	40.62	
23 33 13 16-0106 EA 44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	415.59	77.87
For Spring Activated Horizontal Mount Operation, Add	40.91	
For Dynamic Damper, Add	98.18	
For 3 Hour Rated, Add	54.55	
For Cap Of Damper Blades Outside Air Stream, Add	45.46	
23 33 13 16-0107 EA 44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	440.31	80.21
For Spring Activated Horizontal Mount Operation, Add	44.83	
For Dynamic Damper, Add	107.58	
For 3 Hour Rated, Add	59.77	
For Cap Of Damper Blades Outside Air Stream, Add	49.81	
23 33 13 16-0108 EA 44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	465.02	82.70
For Spring Activated Horizontal Mount Operation, Add	48.74	
For Dynamic Damper, Add	116.99	
For 3 Hour Rated, Add	64.99	
For Cap Of Damper Blades Outside Air Stream, Add	54.16	
23 33 13 16-0109 EA 44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	489.76	85.18
For Spring Activated Horizontal Mount Operation, Add	52.67	
For Dynamic Damper, Add	126.40	
For 3 Hour Rated, Add	70.22	
For Cap Of Damper Blades Outside Air Stream, Add	58.52	
23 33 13 16-0110 EA 48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.12	38.86
For Spring Activated Horizontal Mount Operation, Add	18.28	
For Dynamic Damper, Add	43.87	
For 3 Hour Rated, Add	24.37	
For Cap Of Damper Blades Outside Air Stream, Add	20.31	
23 33 13 16-0111 EA 48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	213.18	41.34
For Spring Activated Horizontal Mount Operation, Add	20.02	
For Dynamic Damper, Add	48.05	
For 3 Hour Rated, Add	26.70	
For Cap Of Damper Blades Outside Air Stream, Add	22.25	
23 33 13 16-0112 EA 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	222.42	43.83
For Spring Activated Horizontal Mount Operation, Add	20.46	
For Dynamic Damper, Add	49.10	
For 3 Hour Rated, Add	27.28	
For Cap Of Damper Blades Outside Air Stream, Add	22.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0113 EA 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.82	48.65
For Spring Activated Horizontal Mount Operation, Add	21.76	
For Dynamic Damper, Add	52.23	
For 3 Hour Rated, Add	29.02	
For Cap Of Damper Blades Outside Air Stream, Add	24.18	
23 33 13 16-0114 EA 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	265.18	53.47
For Spring Activated Horizontal Mount Operation, Add	23.50	
For Dynamic Damper, Add	56.41	
For 3 Hour Rated, Add	31.34	
For Cap Of Damper Blades Outside Air Stream, Add	26.12	
23 33 13 16-0115 EA 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	287.53	58.45
For Spring Activated Horizontal Mount Operation, Add	25.25	
For Dynamic Damper, Add	60.59	
For 3 Hour Rated, Add	33.66	
For Cap Of Damper Blades Outside Air Stream, Add	28.05	
23 33 13 16-0116 EA 48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	313.75	63.26
For Spring Activated Horizontal Mount Operation, Add	27.86	
For Dynamic Damper, Add	66.86	
For 3 Hour Rated, Add	37.14	
For Cap Of Damper Blades Outside Air Stream, Add	30.95	
23 33 13 16-0117 EA 48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	339.96	68.09
For Spring Activated Horizontal Mount Operation, Add	30.47	
For Dynamic Damper, Add	73.12	
For 3 Hour Rated, Add	40.62	
For Cap Of Damper Blades Outside Air Stream, Add	33.85	
23 33 13 16-0118 EA 48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	371.98	73.06
For Spring Activated Horizontal Mount Operation, Add	34.38	
For Dynamic Damper, Add	82.52	
For 3 Hour Rated, Add	45.85	
For Cap Of Damper Blades Outside Air Stream, Add	38.21	
23 33 13 16-0119 EA 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	407.86	77.87
For Spring Activated Horizontal Mount Operation, Add	39.17	
For Dynamic Damper, Add	94.01	
For 3 Hour Rated, Add	52.23	
For Cap Of Damper Blades Outside Air Stream, Add	43.52	
23 33 13 16-0120 EA 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	432.59	80.21
For Spring Activated Horizontal Mount Operation, Add	43.09	
For Dynamic Damper, Add	103.42	
For 3 Hour Rated, Add	57.45	
For Cap Of Damper Blades Outside Air Stream, Add	47.88	
23 33 13 16-0121 EA 48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	463.09	82.70
For Spring Activated Horizontal Mount Operation, Add	48.31	
For Dynamic Damper, Add	115.94	
For 3 Hour Rated, Add	64.41	
For Cap Of Damper Blades Outside Air Stream, Add	53.68	
23 33 13 16-0122 EA 48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	495.13	87.51
For Spring Activated Horizontal Mount Operation, Add	52.23	
For Dynamic Damper, Add	125.35	
For 3 Hour Rated, Add	69.64	
For Cap Of Damper Blades Outside Air Stream, Add	58.03	
23 33 13 16-0123 EA 48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	525.64	90.00
For Spring Activated Horizontal Mount Operation, Add	57.45	
For Dynamic Damper, Add	137.88	
For 3 Hour Rated, Add	76.60	
For Cap Of Damper Blades Outside Air Stream, Add	63.84	
23 33 13 16-0124 EA 48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	563.02	97.31
For Spring Activated Horizontal Mount Operation, Add	60.93	
For Dynamic Damper, Add	146.24	
For 3 Hour Rated, Add	81.24	
For Cap Of Damper Blades Outside Air Stream, Add	67.70	
23 33 13 16-0125 EA 52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.24	41.34
For Spring Activated Horizontal Mount Operation, Add	19.59	
For Dynamic Damper, Add	47.01	
For 3 Hour Rated, Add	26.12	
For Cap Of Damper Blades Outside Air Stream, Add	21.76	
23 33 13 16-0126 EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	226.28	43.83
For Spring Activated Horizontal Mount Operation, Add	21.33	
For Dynamic Damper, Add	51.19	
For 3 Hour Rated, Add	28.44	
For Cap Of Damper Blades Outside Air Stream, Add	23.70	
23 33 13 16-0127 EA 52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	248.62	48.65
For Spring Activated Horizontal Mount Operation, Add	23.07	
For Dynamic Damper, Add	55.36	
For 3 Hour Rated, Add	30.76	
For Cap Of Damper Blades Outside Air Stream, Add	25.63	
23 33 13 16-0128 EA 52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	265.18	53.47
For Spring Activated Horizontal Mount Operation, Add	23.50	
For Dynamic Damper, Add	56.41	
For 3 Hour Rated, Add	31.34	
For Cap Of Damper Blades Outside Air Stream, Add	26.12	
23 33 13 16-0129 EA 52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	288.50	58.45
For Spring Activated Horizontal Mount Operation, Add	25.46	
For Dynamic Damper, Add	61.11	
For 3 Hour Rated, Add	33.95	
For Cap Of Damper Blades Outside Air Stream, Add	28.29	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0130	EA		52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	311.81	63.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.42	
			<i>For Dynamic Damper, Add</i>	65.81	
			<i>For 3 Hour Rated, Add</i>	36.56	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.47	
23 33 13 16-0131	EA		52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	338.03	68.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.03	
			<i>For Dynamic Damper, Add</i>	72.08	
			<i>For 3 Hour Rated, Add</i>	40.04	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	33.37	
23 33 13 16-0132	EA		52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	364.24	73.06
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.64	
			<i>For Dynamic Damper, Add</i>	78.34	
			<i>For 3 Hour Rated, Add</i>	43.52	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	36.27	
23 33 13 16-0133	EA		52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	396.26	77.87
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	36.56	
			<i>For Dynamic Damper, Add</i>	87.74	
			<i>For 3 Hour Rated, Add</i>	48.75	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	40.62	
23 33 13 16-0134	EA		52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	434.08	82.70
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	41.78	
			<i>For Dynamic Damper, Add</i>	100.28	
			<i>For 3 Hour Rated, Add</i>	55.71	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	46.43	
23 33 13 16-0135	EA		52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	460.72	85.18
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	46.13	
			<i>For Dynamic Damper, Add</i>	110.72	
			<i>For 3 Hour Rated, Add</i>	61.51	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	51.26	
23 33 13 16-0136	EA		52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	493.19	87.51
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	51.79	
			<i>For Dynamic Damper, Add</i>	124.30	
			<i>For 3 Hour Rated, Add</i>	69.06	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	57.55	
23 33 13 16-0137	EA		52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	531.00	92.48
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	57.01	
			<i>For Dynamic Damper, Add</i>	136.83	
			<i>For 3 Hour Rated, Add</i>	76.02	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	63.35	
23 33 13 16-0138	EA		52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	563.02	97.31
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	60.93	
			<i>For Dynamic Damper, Add</i>	146.24	
			<i>For 3 Hour Rated, Add</i>	81.24	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	67.70	
23 33 13 16-0139	EA		52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	608.14	104.61
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	66.15	
			<i>For Dynamic Damper, Add</i>	158.77	
			<i>For 3 Hour Rated, Add</i>	88.21	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	73.51	
23 33 13 16-0140	EA		52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	642.11	109.43
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	70.51	
			<i>For Dynamic Damper, Add</i>	169.22	
			<i>For 3 Hour Rated, Add</i>	94.01	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	78.34	
23 33 13 16-0141	EA		56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	222.42	43.83
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.46	
			<i>For Dynamic Damper, Add</i>	49.10	
			<i>For 3 Hour Rated, Add</i>	27.28	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.73	
23 33 13 16-0142	EA		56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.69	48.65
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.63	
			<i>For Dynamic Damper, Add</i>	54.32	
			<i>For 3 Hour Rated, Add</i>	30.18	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.15	
23 33 13 16-0143	EA		56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	267.12	53.47
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.94	
			<i>For Dynamic Damper, Add</i>	57.46	
			<i>For 3 Hour Rated, Add</i>	31.92	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	26.60	
23 33 13 16-0144	EA		56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	283.65	58.45
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	58.49	
			<i>For 3 Hour Rated, Add</i>	32.50	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.08	
23 33 13 16-0145	EA		56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	308.91	63.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.77	
			<i>For Dynamic Damper, Add</i>	64.24	
			<i>For 3 Hour Rated, Add</i>	35.69	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	29.74	
23 33 13 16-0146	EA		56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	334.16	68.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	29.16	
			<i>For Dynamic Damper, Add</i>	69.99	
			<i>For 3 Hour Rated, Add</i>	38.88	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	32.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0147 EA 56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	359.40	73.06
<i>For Spring Activated Horizontal Mount Operation, Add</i>	31.55	
<i>For Dynamic Damper, Add</i>	75.73	
<i>For 3 Hour Rated, Add</i>	42.07	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	35.06	
23 33 13 16-0148 EA 56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	384.65	77.87
<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.95	
<i>For Dynamic Damper, Add</i>	81.48	
<i>For 3 Hour Rated, Add</i>	45.26	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	37.72	
23 33 13 16-0149 EA 56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	422.47	82.70
<i>For Spring Activated Horizontal Mount Operation, Add</i>	39.17	
<i>For Dynamic Damper, Add</i>	94.01	
<i>For 3 Hour Rated, Add</i>	52.23	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	43.52	
23 33 13 16-0150 EA 56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	453.00	85.18
<i>For Spring Activated Horizontal Mount Operation, Add</i>	44.39	
<i>For Dynamic Damper, Add</i>	106.55	
<i>For 3 Hour Rated, Add</i>	59.19	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	49.33	
23 33 13 16-0151 EA 56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	481.58	87.51
<i>For Spring Activated Horizontal Mount Operation, Add</i>	49.18	
<i>For Dynamic Damper, Add</i>	118.03	
<i>For 3 Hour Rated, Add</i>	65.57	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	54.65	
23 33 13 16-0152 EA 56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	523.28	92.48
<i>For Spring Activated Horizontal Mount Operation, Add</i>	55.28	
<i>For Dynamic Damper, Add</i>	132.66	
<i>For 3 Hour Rated, Add</i>	73.70	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	61.42	
23 33 13 16-0153 EA 56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	561.08	97.31
<i>For Spring Activated Horizontal Mount Operation, Add</i>	60.50	
<i>For Dynamic Damper, Add</i>	145.19	
<i>For 3 Hour Rated, Add</i>	80.66	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	67.22	
23 33 13 16-0154 EA 56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	600.84	102.12
<i>For Spring Activated Horizontal Mount Operation, Add</i>	66.15	
<i>For Dynamic Damper, Add</i>	158.77	
<i>For 3 Hour Rated, Add</i>	88.21	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	73.51	
23 33 13 16-0155 EA 56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	634.80	107.10
<i>For Spring Activated Horizontal Mount Operation, Add</i>	70.51	
<i>For Dynamic Damper, Add</i>	169.22	
<i>For 3 Hour Rated, Add</i>	94.01	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	78.34	
23 33 13 16-0156 EA 56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	674.55	111.92
<i>For Spring Activated Horizontal Mount Operation, Add</i>	76.16	
<i>For Dynamic Damper, Add</i>	182.80	
<i>For 3 Hour Rated, Add</i>	101.55	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	84.63	
23 33 13 16-0157 EA 56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	714.31	116.74
<i>For Spring Activated Horizontal Mount Operation, Add</i>	81.82	
<i>For Dynamic Damper, Add</i>	196.38	
<i>For 3 Hour Rated, Add</i>	109.10	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	90.92	
23 33 13 16-0158 EA 60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.82	48.65
<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.76	
<i>For Dynamic Damper, Add</i>	52.23	
<i>For 3 Hour Rated, Add</i>	29.02	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.18	
23 33 13 16-0159 EA 60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	267.12	53.47
<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.94	
<i>For Dynamic Damper, Add</i>	57.46	
<i>For 3 Hour Rated, Add</i>	31.92	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	26.60	
23 33 13 16-0160 EA 60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	285.59	58.45
<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.81	
<i>For Dynamic Damper, Add</i>	59.54	
<i>For 3 Hour Rated, Add</i>	33.08	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.57	
23 33 13 16-0161 EA 60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	302.14	63.26
<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.25	
<i>For Dynamic Damper, Add</i>	60.59	
<i>For 3 Hour Rated, Add</i>	33.66	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.05	
23 33 13 16-0162 EA 60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	328.36	68.09
<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.86	
<i>For Dynamic Damper, Add</i>	66.86	
<i>For 3 Hour Rated, Add</i>	37.14	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.95	
23 33 13 16-0163 EA 60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	354.57	73.06
<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.47	
<i>For Dynamic Damper, Add</i>	73.12	
<i>For 3 Hour Rated, Add</i>	40.62	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	33.85	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0164 EA 60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	381.75	77.87
For Spring Activated Horizontal Mount Operation, Add	33.30	
For Dynamic Damper, Add	79.91	
For 3 Hour Rated, Add	44.39	
For Cap Of Damper Blades Outside Air Stream, Add	37.00	
23 33 13 16-0165 EA 60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	408.93	82.70
For Spring Activated Horizontal Mount Operation, Add	36.12	
For Dynamic Damper, Add	86.70	
For 3 Hour Rated, Add	48.17	
For Cap Of Damper Blades Outside Air Stream, Add	40.14	
23 33 13 16-0166 EA 60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	441.39	85.18
For Spring Activated Horizontal Mount Operation, Add	41.78	
For Dynamic Damper, Add	100.28	
For 3 Hour Rated, Add	55.71	
For Cap Of Damper Blades Outside Air Stream, Add	46.43	
23 33 13 16-0167 EA 60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	471.91	87.51
For Spring Activated Horizontal Mount Operation, Add	47.00	
For Dynamic Damper, Add	112.81	
For 3 Hour Rated, Add	62.67	
For Cap Of Damper Blades Outside Air Stream, Add	52.23	
23 33 13 16-0168 EA 60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	511.68	92.48
For Spring Activated Horizontal Mount Operation, Add	52.67	
For Dynamic Damper, Add	126.40	
For 3 Hour Rated, Add	70.22	
For Cap Of Damper Blades Outside Air Stream, Add	58.52	
23 33 13 16-0169 EA 60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	551.43	97.31
For Spring Activated Horizontal Mount Operation, Add	58.32	
For Dynamic Damper, Add	139.98	
For 3 Hour Rated, Add	77.77	
For Cap Of Damper Blades Outside Air Stream, Add	64.81	
23 33 13 16-0170 EA 60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	585.37	102.12
For Spring Activated Horizontal Mount Operation, Add	62.67	
For Dynamic Damper, Add	150.42	
For 3 Hour Rated, Add	83.57	
For Cap Of Damper Blades Outside Air Stream, Add	69.64	
23 33 13 16-0171 EA 60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	630.92	107.10
For Spring Activated Horizontal Mount Operation, Add	69.64	
For Dynamic Damper, Add	167.12	
For 3 Hour Rated, Add	92.85	
For Cap Of Damper Blades Outside Air Stream, Add	77.37	
23 33 13 16-0172 EA 60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	672.62	111.92
For Spring Activated Horizontal Mount Operation, Add	75.73	
For Dynamic Damper, Add	181.75	
For 3 Hour Rated, Add	100.97	
For Cap Of Damper Blades Outside Air Stream, Add	84.15	
23 33 13 16-0173 EA 60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	714.31	116.74
For Spring Activated Horizontal Mount Operation, Add	81.82	
For Dynamic Damper, Add	196.38	
For 3 Hour Rated, Add	109.10	
For Cap Of Damper Blades Outside Air Stream, Add	90.92	
23 33 13 16-0174 EA 60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	752.12	121.71
For Spring Activated Horizontal Mount Operation, Add	87.04	
For Dynamic Damper, Add	208.90	
For 3 Hour Rated, Add	116.06	
For Cap Of Damper Blades Outside Air Stream, Add	96.72	
23 33 13 16-0175 EA 60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	789.97	126.53
For Spring Activated Horizontal Mount Operation, Add	92.27	
For Dynamic Damper, Add	221.45	
For 3 Hour Rated, Add	123.03	
For Cap Of Damper Blades Outside Air Stream, Add	102.52	
23 33 13 16-0176 Parallel Blade Louver Fire Damper <small>(23 33 13 16)</small>		
Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.		
23 33 13 16-0177 EA 6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.70	16.22
For Spring Activated Horizontal Mount Operation, Add	12.61	
For Dynamic Damper, Add	30.27	
For 3 Hour Rated, Add	16.82	
23 33 13 16-0178 EA 8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.29	16.95
For Spring Activated Horizontal Mount Operation, Add	13.15	
For Dynamic Damper, Add	31.56	
For 3 Hour Rated, Add	17.53	
23 33 13 16-0179 EA 8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	112.01	17.09
For Spring Activated Horizontal Mount Operation, Add	13.70	
For Dynamic Damper, Add	32.87	
For 3 Hour Rated, Add	18.26	
23 33 13 16-0180 EA 10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	112.01	17.09
For Spring Activated Horizontal Mount Operation, Add	13.70	
For Dynamic Damper, Add	32.87	
For 3 Hour Rated, Add	18.26	
23 33 13 16-0181 EA 10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.90	17.54
For Spring Activated Horizontal Mount Operation, Add	14.24	
For Dynamic Damper, Add	34.18	
For 3 Hour Rated, Add	18.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0182 EA 10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	126.57 15.33 36.78 20.44	19.44
23 33 13 16-0183 EA 12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	115.90 14.24 34.18 18.99	17.54
23 33 13 16-0184 EA 12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	123.64 15.33 36.78 20.44	18.55
23 33 13 16-0185 EA 12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	128.99 15.87 38.09 21.16	19.44
23 33 13 16-0186 EA 12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	138.72 16.42 39.40 21.89	21.92
23 33 13 16-0187 EA 14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	122.44 15.06 36.14 20.08	18.55
23 33 13 16-0188 EA 14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	128.99 15.87 38.09 21.16	19.44
23 33 13 16-0189 EA 14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	134.33 16.42 39.40 21.89	20.45
23 33 13 16-0190 EA 14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	141.13 16.96 40.71 22.61	21.92
23 33 13 16-0191 EA 14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	154.49 18.32 43.97 24.43	24.40
23 33 13 16-0192 EA 16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	156.98 22.17 53.21 29.56	19.44
23 33 13 16-0193 EA 16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	164.06 22.78 54.67 30.37	20.89
23 33 13 16-0194 EA 16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	172.63 23.39 56.14 31.19	22.93
23 33 13 16-0195 EA 16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	179.71 24.00 57.59 32.00	24.40
23 33 13 16-0196 EA 16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	193.80 25.52 61.26 34.03	26.73
23 33 13 16-0197 EA 16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	207.88 27.05 64.91 36.06	29.22
23 33 13 16-0198 EA 18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	162.60 22.78 54.67 30.37	20.45
23 33 13 16-0199 EA 18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	171.05 23.69 56.86 31.59	21.92
23 33 13 16-0200 EA 18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	182.45 24.61 59.07 32.82	24.40
23 33 13 16-0201 EA 18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	196.51 26.13 62.72 34.85	26.73
23 33 13 16-0202 EA 18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	209.23 27.35 65.64 36.47	29.22

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0203	EA		18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.30	31.56
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.88	
			<i>For Dynamic Damper, Add</i>	69.30	
			<i>For 3 Hour Rated, Add</i>	38.50	
23 33 13 16-0204	EA		18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.66	34.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	29.79	
			<i>For Dynamic Damper, Add</i>	71.49	
			<i>For 3 Hour Rated, Add</i>	39.72	
23 33 13 16-0205	EA		20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.71	21.92
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.39	
			<i>For Dynamic Damper, Add</i>	56.14	
			<i>For 3 Hour Rated, Add</i>	31.19	
23 33 13 16-0206	EA		20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.42	24.40
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.61	
			<i>For Dynamic Damper, Add</i>	59.05	
			<i>For 3 Hour Rated, Add</i>	32.81	
23 33 13 16-0207	EA		20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.15	26.73
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.83	
			<i>For Dynamic Damper, Add</i>	61.99	
			<i>For 3 Hour Rated, Add</i>	34.44	
23 33 13 16-0208	EA		20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.31	29.22
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.27	
			<i>For Dynamic Damper, Add</i>	67.85	
			<i>For 3 Hour Rated, Add</i>	37.69	
23 33 13 16-0209	EA		20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.66	31.56
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	29.18	
			<i>For Dynamic Damper, Add</i>	70.04	
			<i>For 3 Hour Rated, Add</i>	38.91	
23 33 13 16-0210	EA		20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.02	34.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.09	
			<i>For Dynamic Damper, Add</i>	72.23	
			<i>For 3 Hour Rated, Add</i>	40.13	
23 33 13 16-0211	EA		20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.74	36.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	31.31	
			<i>For Dynamic Damper, Add</i>	75.15	
			<i>For 3 Hour Rated, Add</i>	41.75	
23 33 13 16-0212	EA		20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.44	38.86
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.53	
			<i>For Dynamic Damper, Add</i>	78.06	
			<i>For 3 Hour Rated, Add</i>	43.37	
23 33 13 16-0213	EA		24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.33	24.40
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.21	
			<i>For Dynamic Damper, Add</i>	72.51	
			<i>For 3 Hour Rated, Add</i>	40.28	
23 33 13 16-0214	EA		24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.76	26.73
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.04	
			<i>For Dynamic Damper, Add</i>	76.90	
			<i>For 3 Hour Rated, Add</i>	42.72	
23 33 13 16-0215	EA		24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.50	29.22
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.26	
			<i>For Dynamic Damper, Add</i>	79.83	
			<i>For 3 Hour Rated, Add</i>	44.35	
23 33 13 16-0216	EA		24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.90	31.56
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.09	
			<i>For Dynamic Damper, Add</i>	84.21	
			<i>For 3 Hour Rated, Add</i>	46.78	
23 33 13 16-0217	EA		24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.28	34.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	36.00	
			<i>For Dynamic Damper, Add</i>	86.41	
			<i>For 3 Hour Rated, Add</i>	48.00	
23 33 13 16-0218	EA		24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.64	36.53
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	36.91	
			<i>For Dynamic Damper, Add</i>	88.59	
			<i>For 3 Hour Rated, Add</i>	49.22	
23 33 13 16-0219	EA		24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.06	38.86
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	38.74	
			<i>For Dynamic Damper, Add</i>	92.98	
			<i>For 3 Hour Rated, Add</i>	51.65	
23 33 13 16-0220	EA		24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.79	43.83
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	40.57	
			<i>For Dynamic Damper, Add</i>	97.36	
			<i>For 3 Hour Rated, Add</i>	54.09	
23 33 13 16-0221	EA		24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.24	48.65
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	43.01	
			<i>For Dynamic Damper, Add</i>	103.22	
			<i>For 3 Hour Rated, Add</i>	57.34	
23 33 13 16-0222	EA		28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.76	26.73
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.04	
			<i>For Dynamic Damper, Add</i>	76.90	
			<i>For 3 Hour Rated, Add</i>	42.72	
23 33 13 16-0223	EA		28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.50	29.22
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.26	
			<i>For Dynamic Damper, Add</i>	79.83	
			<i>For 3 Hour Rated, Add</i>	44.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0224 EA 28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.90	31.56
For Spring Activated Horizontal Mount Operation, Add	35.09	
For Dynamic Damper, Add	84.21	
For 3 Hour Rated, Add	46.78	
23 33 13 16-0225 EA 28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.62	34.04
For Spring Activated Horizontal Mount Operation, Add	36.30	
For Dynamic Damper, Add	87.13	
For 3 Hour Rated, Add	48.41	
23 33 13 16-0226 EA 28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.71	36.53
For Spring Activated Horizontal Mount Operation, Add	37.83	
For Dynamic Damper, Add	90.79	
For 3 Hour Rated, Add	50.44	
23 33 13 16-0227 EA 28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.75	38.86
For Spring Activated Horizontal Mount Operation, Add	39.35	
For Dynamic Damper, Add	94.43	
For 3 Hour Rated, Add	52.46	
23 33 13 16-0228 EA 28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.50	43.83
For Spring Activated Horizontal Mount Operation, Add	41.18	
For Dynamic Damper, Add	98.83	
For 3 Hour Rated, Add	54.90	
23 33 13 16-0229 EA 28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.24	48.65
For Spring Activated Horizontal Mount Operation, Add	43.01	
For Dynamic Damper, Add	103.22	
For 3 Hour Rated, Add	57.34	
23 33 13 16-0230 EA 28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	360.79	51.14
For Spring Activated Horizontal Mount Operation, Add	46.66	
For Dynamic Damper, Add	111.99	
For 3 Hour Rated, Add	62.21	
23 33 13 16-0231 EA 28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.95	55.96
For Spring Activated Horizontal Mount Operation, Add	49.71	
For Dynamic Damper, Add	119.30	
For 3 Hour Rated, Add	66.28	
23 33 13 16-0232 EA 32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.61	29.22
For Spring Activated Horizontal Mount Operation, Add	35.09	
For Dynamic Damper, Add	84.21	
For 3 Hour Rated, Add	46.78	
23 33 13 16-0233 EA 32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.59	31.56
For Spring Activated Horizontal Mount Operation, Add	35.69	
For Dynamic Damper, Add	85.66	
For 3 Hour Rated, Add	47.59	
23 33 13 16-0234 EA 32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.62	34.04
For Spring Activated Horizontal Mount Operation, Add	36.30	
For Dynamic Damper, Add	87.13	
For 3 Hour Rated, Add	48.41	
23 33 13 16-0235 EA 32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.33	36.53
For Spring Activated Horizontal Mount Operation, Add	37.52	
For Dynamic Damper, Add	90.05	
For 3 Hour Rated, Add	50.03	
23 33 13 16-0236 EA 32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.27	38.86
For Spring Activated Horizontal Mount Operation, Add	39.46	
For Dynamic Damper, Add	94.71	
For 3 Hour Rated, Add	52.62	
23 33 13 16-0237 EA 32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.50	43.83
For Spring Activated Horizontal Mount Operation, Add	41.18	
For Dynamic Damper, Add	98.83	
For 3 Hour Rated, Add	54.90	
23 33 13 16-0238 EA 32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.96	48.65
For Spring Activated Horizontal Mount Operation, Add	43.62	
For Dynamic Damper, Add	104.68	
For 3 Hour Rated, Add	58.16	
23 33 13 16-0239 EA 32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.41	53.47
For Spring Activated Horizontal Mount Operation, Add	46.06	
For Dynamic Damper, Add	110.53	
For 3 Hour Rated, Add	61.41	
23 33 13 16-0240 EA 32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.95	55.96
For Spring Activated Horizontal Mount Operation, Add	49.71	
For Dynamic Damper, Add	119.30	
For 3 Hour Rated, Add	66.28	
23 33 13 16-0241 EA 32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.61	59.90
For Spring Activated Horizontal Mount Operation, Add	53.98	
For Dynamic Damper, Add	129.55	
For 3 Hour Rated, Add	71.97	
23 33 13 16-0242 EA 32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.49	63.26
For Spring Activated Horizontal Mount Operation, Add	58.85	
For Dynamic Damper, Add	141.24	
For 3 Hour Rated, Add	78.47	
23 33 13 16-0243 EA 36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.95	31.56
For Spring Activated Horizontal Mount Operation, Add	40.05	
For Dynamic Damper, Add	96.11	
For 3 Hour Rated, Add	53.40	
23 33 13 16-0244 EA 36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.43	34.04
For Spring Activated Horizontal Mount Operation, Add	41.44	
For Dynamic Damper, Add	99.45	
For 3 Hour Rated, Add	55.25	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0245	EA		36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	299.92 42.83 102.78 57.10	36.53
23 33 13 16-0246	EA		36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	316.53 44.92 107.81 59.90	38.86
23 33 13 16-0247	EA		36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	335.80 45.97 110.33 61.29	43.83
23 33 13 16-0248	EA		36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	347.75 47.01 112.83 62.69	46.17
23 33 13 16-0249	EA		36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	385.14 50.49 121.19 67.33	53.47
23 33 13 16-0250	EA		36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	415.21 53.97 129.54 71.96	58.45
23 33 13 16-0251	EA		36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	439.63 58.15 139.57 77.54	60.34
23 33 13 16-0252	EA		36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	477.53 63.72 152.93 84.96	64.72
23 33 13 16-0253	EA		36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	509.41 68.59 164.62 91.46	68.09
23 33 13 16-0254	EA		36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	541.48 74.16 177.99 98.89	70.57
23 33 13 16-0255	EA		40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	305.53 45.73 109.76 60.98	36.53
23 33 13 16-0256	EA		40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	325.22 48.52 116.45 64.69	38.86
23 33 13 16-0257	EA		40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	335.61 49.21 118.11 65.62	41.34
23 33 13 16-0258	EA		40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	346.03 49.91 119.79 66.55	43.83
23 33 13 16-0259	EA		40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	371.48 52.35 125.65 69.80	46.17
23 33 13 16-0260	EA		40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	389.61 54.79 131.50 73.05	48.65
23 33 13 16-0261	EA		40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	423.91 57.58 138.18 76.77	55.96
23 33 13 16-0262	EA		40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	450.90 60.36 144.87 80.48	60.78
23 33 13 16-0263	EA		40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	481.17 64.54 154.90 86.06	64.72
23 33 13 16-0264	EA		40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	525.43 72.20 173.28 96.26	68.09
23 33 13 16-0265	EA		40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	555.66 76.37 183.29 101.83	72.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0266 EA 40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	595.58 84.04 201.69 112.05	73.93
23 33 13 16-0267 EA 40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	638.21 91.00 218.40 121.33	77.87
23 33 13 16-0268 EA 44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	319.03 47.13 113.10 62.84	36.53
23 33 13 16-0269 EA 44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	338.72 49.91 119.79 66.55	38.86
23 33 13 16-0270 EA 44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	355.33 52.01 124.82 69.34	41.34
23 33 13 16-0271 EA 44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	365.72 52.70 126.48 70.27	43.83
23 33 13 16-0272 EA 44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	385.41 55.49 133.17 73.98	46.17
23 33 13 16-0273 EA 44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	405.09 58.27 139.85 77.70	48.65
23 33 13 16-0274 EA 44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	449.80 61.76 148.21 82.34	58.45
23 33 13 16-0275 EA 44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	479.86 65.23 156.56 86.98	63.26
23 33 13 16-0276 EA 44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	525.43 72.20 173.28 96.26	68.09
23 33 13 16-0277 EA 44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	567.90 78.47 188.32 104.62	73.06
23 33 13 16-0278 EA 44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	613.44 85.43 205.02 113.90	77.87
23 33 13 16-0279 EA 44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	648.60 91.69 220.06 122.26	80.21
23 33 13 16-0280 EA 44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	683.77 97.96 235.11 130.62	82.70
23 33 13 16-0281 EA 44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	718.95 104.23 250.16 138.98	85.18
23 33 13 16-0282 EA 48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	335.61 49.21 118.11 65.62	38.86
23 33 13 16-0283 EA 48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	355.33 52.01 124.82 69.34	41.34
23 33 13 16-0284 EA 48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	365.72 52.70 126.48 70.27	43.83
23 33 13 16-0285 EA 48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	389.61 54.79 131.50 73.05	48.65
23 33 13 16-0286 EA 48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	416.61 57.58 138.18 76.77	53.47

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.60	58.45
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	60.36	
			<i>For Dynamic Damper, Add</i>	144.87	
			<i>For 3 Hour Rated, Add</i>	80.48	
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	476.79	63.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	64.54	
			<i>For Dynamic Damper, Add</i>	154.90	
			<i>For 3 Hour Rated, Add</i>	86.06	
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.95	68.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	68.72	
			<i>For Dynamic Damper, Add</i>	164.92	
			<i>For 3 Hour Rated, Add</i>	91.62	
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	552.42	73.06
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	74.98	
			<i>For Dynamic Damper, Add</i>	179.96	
			<i>For 3 Hour Rated, Add</i>	99.98	
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	601.06	77.87
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	82.64	
			<i>For Dynamic Damper, Add</i>	198.34	
			<i>For 3 Hour Rated, Add</i>	110.19	
23 33 13 16-0292	EA		48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	636.25	80.21
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	88.91	
			<i>For Dynamic Damper, Add</i>	213.39	
			<i>For 3 Hour Rated, Add</i>	118.55	
23 33 13 16-0293	EA		48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	680.66	82.70
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	97.26	
			<i>For Dynamic Damper, Add</i>	233.43	
			<i>For 3 Hour Rated, Add</i>	129.68	
23 33 13 16-0294	EA		48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	723.16	87.51
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	103.54	
			<i>For Dynamic Damper, Add</i>	248.49	
			<i>For 3 Hour Rated, Add</i>	138.05	
23 33 13 16-0295	EA		48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	767.59	90.00
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	111.89	
			<i>For Dynamic Damper, Add</i>	268.54	
			<i>For 3 Hour Rated, Add</i>	149.19	
23 33 13 16-0296	EA		48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	814.26	97.31
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	117.46	
			<i>For Dynamic Damper, Add</i>	281.91	
			<i>For 3 Hour Rated, Add</i>	156.62	
23 33 13 16-0297	EA		52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	352.22	41.34
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	51.31	
			<i>For Dynamic Damper, Add</i>	123.14	
			<i>For 3 Hour Rated, Add</i>	68.41	
23 33 13 16-0298	EA		52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.90	43.83
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	54.09	
			<i>For Dynamic Damper, Add</i>	129.82	
			<i>For 3 Hour Rated, Add</i>	72.12	
23 33 13 16-0299	EA		52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	398.90	48.65
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	56.88	
			<i>For Dynamic Damper, Add</i>	136.51	
			<i>For 3 Hour Rated, Add</i>	75.84	
23 33 13 16-0300	EA		52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	416.61	53.47
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	57.58	
			<i>For Dynamic Damper, Add</i>	138.18	
			<i>For 3 Hour Rated, Add</i>	76.77	
23 33 13 16-0301	EA		52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.17	58.45
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	60.71	
			<i>For Dynamic Damper, Add</i>	145.71	
			<i>For 3 Hour Rated, Add</i>	80.95	
23 33 13 16-0302	EA		52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	473.68	63.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	63.84	
			<i>For Dynamic Damper, Add</i>	153.22	
			<i>For 3 Hour Rated, Add</i>	85.12	
23 33 13 16-0303	EA		52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	506.87	68.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	68.02	
			<i>For Dynamic Damper, Add</i>	163.25	
			<i>For 3 Hour Rated, Add</i>	90.70	
23 33 13 16-0304	EA		52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.04	73.06
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	72.20	
			<i>For Dynamic Damper, Add</i>	173.28	
			<i>For 3 Hour Rated, Add</i>	96.26	
23 33 13 16-0305	EA		52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	582.51	77.87
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	78.47	
			<i>For Dynamic Damper, Add</i>	188.32	
			<i>For 3 Hour Rated, Add</i>	104.62	
23 33 13 16-0306	EA		52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	634.24	82.70
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	86.82	
			<i>For Dynamic Damper, Add</i>	208.36	
			<i>For 3 Hour Rated, Add</i>	115.76	
23 33 13 16-0307	EA		52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	672.50	85.18
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	93.78	
			<i>For Dynamic Damper, Add</i>	225.08	
			<i>For 3 Hour Rated, Add</i>	125.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0308 EA 52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	720.06 102.84 246.81 137.12	87.51
23 33 13 16-0309 EA 52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	771.78 111.19 266.85 148.25	92.48
23 33 13 16-0310 EA 52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	814.26 117.46 281.91 156.62	97.31
23 33 13 16-0311 EA 52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	873.30 125.82 301.96 167.75	104.61
23 33 13 16-0312 EA 52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	918.88 132.78 318.68 177.04	109.43
23 33 13 16-0313 EA 56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	365.72 52.70 126.48 70.27	43.83
23 33 13 16-0314 EA 56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	395.79 56.18 134.83 74.91	48.65
23 33 13 16-0315 EA 56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	419.71 58.27 139.85 77.70	53.47
23 33 13 16-0316 EA 56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	437.40 58.97 141.52 78.62	58.45
23 33 13 16-0317 EA 56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	469.05 62.80 150.72 83.73	63.26
23 33 13 16-0318 EA 56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	500.67 66.63 159.90 88.84	68.09
23 33 13 16-0319 EA 56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	532.31 70.46 169.10 93.95	73.06
23 33 13 16-0320 EA 56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	563.93 74.29 178.29 99.05	77.87
23 33 13 16-0321 EA 56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	615.67 82.64 198.34 110.19	82.70
23 33 13 16-0322 EA 56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	660.13 91.00 218.40 121.33	85.18
23 33 13 16-0323 EA 56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	701.48 98.66 236.78 131.54	87.51
23 33 13 16-0324 EA 56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	759.43 108.41 260.18 144.55	92.48
23 33 13 16-0325 EA 56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	811.16 116.76 280.23 155.69	97.31
23 33 13 16-0326 EA 56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	866.00 125.82 301.96 167.75	102.12
23 33 13 16-0327 EA 56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	911.57 132.78 318.68 177.04	107.10
23 33 13 16-0328 EA 56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	966.42 141.84 340.41 189.11	111.92

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0329 EA 56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,021.26 150.89 362.13 201.18	116.74
23 33 13 16-0330 EA 60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	389.61 54.79 131.50 73.05	48.65
23 33 13 16-0331 EA 60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	419.71 58.27 139.85 77.70	53.47
23 33 13 16-0332 EA 60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	440.49 59.66 143.19 79.55	58.45
23 33 13 16-0333 EA 60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	458.21 60.36 144.87 80.48	63.26
23 33 13 16-0334 EA 60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	491.40 64.54 154.90 86.06	68.09
23 33 13 16-0335 EA 60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	524.56 68.72 164.92 91.62	73.06
23 33 13 16-0336 EA 60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	559.28 73.24 175.78 97.65	77.87
23 33 13 16-0337 EA 60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	594.01 77.77 186.64 103.69	82.70
23 33 13 16-0338 EA 60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	641.55 86.82 208.36 115.76	85.18
23 33 13 16-0339 EA 60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	686.01 95.18 228.43 126.90	87.51
23 33 13 16-0340 EA 60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	740.87 104.23 250.16 138.98	92.48
23 33 13 16-0341 EA 60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	795.70 113.29 271.88 151.05	97.31
23 33 13 16-0342 EA 60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	841.26 120.25 288.60 160.33	102.12
23 33 13 16-0343 EA 60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	905.37 131.39 315.33 175.18	107.10
23 33 13 16-0344 EA 60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	963.31 141.14 338.73 188.18	111.92
23 33 13 16-0345 EA 60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,021.26 150.89 362.13 201.18	116.74
23 33 13 16-0346 EA 60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,072.98 159.24 382.17 212.32	121.71
23 33 13 16-0347 EA 60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,124.78 167.60 402.25 223.47	126.53
23 33 13 16-0348 Round 2 Hour Fire Damper (23 33 13 16)		
23 33 13 16-0349 EA 4" Round 2 Hour Fire Damper	126.12	29.22
23 33 13 16-0350 EA 5" Round 2 Hour Fire Damper	130.96	29.22
23 33 13 16-0351 EA 6" Round 2 Hour Fire Damper	153.46	33.17
23 33 13 16-0352 EA 7" Round 2 Hour Fire Damper	158.72	33.17
23 33 13 16-0353 EA 8" Round 2 Hour Fire Damper	189.10	36.53
23 33 13 16-0354 EA 9" Round 2 Hour Fire Damper	203.59	36.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0355 EA 10" Round 2 Hour Fire Damper	226.24	40.62
23 33 13 16-0356 EA 12" Round 2 Hour Fire Damper	254.16	45.73
23 33 13 16-0357 EA 14" Round 2 Hour Fire Damper	288.99	52.16
23 33 13 16-0358 Round 4 Hour Fire Damper (23 33 13 16)		
23 33 13 16-0359 EA 4" Round 4 Hour Fire Damper	142.20	33.17
23 33 13 16-0360 EA 5" Round 4 Hour Fire Damper	155.40	33.17
23 33 13 16-0361 EA 6" Round 4 Hour Fire Damper	175.43	36.53
23 33 13 16-0362 EA 7" Round 4 Hour Fire Damper	192.47	36.53
23 33 13 16-0363 EA 8" Round 4 Hour Fire Damper	217.65	40.62
23 33 13 16-0364 EA 9" Round 4 Hour Fire Damper	228.04	40.62
23 33 13 16-0365 EA 10" Round 4 Hour Fire Damper	254.48	45.73
23 33 13 16-0366 EA 12" Round 4 Hour Fire Damper	282.39	52.16
23 33 13 16-0367 EA 14" Round 4 Hour Fire Damper	329.45	60.93
23 33 13 19 Smoke-Control Dampers (23 33 13)		
23 33 13 19-0001 Combination Smoke/Fire Damper (23 33 13 19)		
Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002 EA 6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	527.57	24.32
For Dynamic Damper, Add	245.48	
For 3 Hour Rated, Add	136.38	
23 33 13 19-0003 EA 8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	541.94	25.42
For Dynamic Damper, Add	251.47	
For 3 Hour Rated, Add	139.70	
23 33 13 19-0004 EA 8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.63	25.64
For Dynamic Damper, Add	257.54	
For 3 Hour Rated, Add	143.08	
23 33 13 19-0005 EA 10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	622.71	25.64
For Dynamic Damper, Add	294.84	
For 3 Hour Rated, Add	163.80	
23 33 13 19-0006 EA 10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	637.68	26.30
For Dynamic Damper, Add	301.74	
For 3 Hour Rated, Add	167.63	
23 33 13 19-0007 EA 10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	672.11	29.15
For Dynamic Damper, Add	315.60	
For 3 Hour Rated, Add	175.33	
23 33 13 19-0008 EA 12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	637.68	26.30
For Dynamic Damper, Add	301.74	
For 3 Hour Rated, Add	167.63	
23 33 13 19-0009 EA 12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	667.72	27.83
For Dynamic Damper, Add	315.60	
For 3 Hour Rated, Add	175.33	
23 33 13 19-0010 EA 12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	684.89	29.15
For Dynamic Damper, Add	322.50	
For 3 Hour Rated, Add	179.17	
23 33 13 19-0011 EA 12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	708.71	32.88
For Dynamic Damper, Add	329.45	
For 3 Hour Rated, Add	183.03	
23 33 13 19-0012 EA 14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	661.32	27.83
For Dynamic Damper, Add	312.14	
For 3 Hour Rated, Add	173.41	
23 33 13 19-0013 EA 14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	684.89	29.15
For Dynamic Damper, Add	322.50	
For 3 Hour Rated, Add	179.17	
23 33 13 19-0014 EA 14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	702.14	30.69
For Dynamic Damper, Add	329.45	
For 3 Hour Rated, Add	183.03	
23 33 13 19-0015 EA 14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	721.58	32.88
For Dynamic Damper, Add	336.40	
For 3 Hour Rated, Add	186.89	
23 33 13 19-0016 EA 14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	764.59	36.60
For Dynamic Damper, Add	353.71	
For 3 Hour Rated, Add	196.50	
23 33 13 19-0017 EA 16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	668.28	29.15
For Dynamic Damper, Add	313.53	
For 3 Hour Rated, Add	174.18	
23 33 13 19-0018 EA 16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	681.86	31.34
For Dynamic Damper, Add	317.31	
For 3 Hour Rated, Add	176.29	
23 33 13 19-0019 EA 16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	697.64	34.41
For Dynamic Damper, Add	321.10	
For 3 Hour Rated, Add	178.39	
23 33 13 19-0020 EA 16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	711.13	36.60
For Dynamic Damper, Add	324.84	
For 3 Hour Rated, Add	180.47	
23 33 13 19-0021 EA 16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	739.58	40.11
For Dynamic Damper, Add	334.29	
For 3 Hour Rated, Add	185.72	
23 33 13 19-0022 EA 16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	768.00	43.83
For Dynamic Damper, Add	343.72	
For 3 Hour Rated, Add	190.95	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0023 EA 18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	679.67	30.69
For Dynamic Damper, Add	317.31	
For 3 Hour Rated, Add	176.29	
23 33 13 19-0024 EA 18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	696.69	32.88
For Dynamic Damper, Add	322.96	
For 3 Hour Rated, Add	179.42	
23 33 13 19-0025 EA 18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	718.19	36.60
For Dynamic Damper, Add	328.65	
For 3 Hour Rated, Add	182.58	
23 33 13 19-0026 EA 18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	746.59	40.11
For Dynamic Damper, Add	338.07	
For 3 Hour Rated, Add	187.82	
23 33 13 19-0027 EA 18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	771.48	43.83
For Dynamic Damper, Add	345.59	
For 3 Hour Rated, Add	192.00	
23 33 13 19-0028 EA 18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	799.89	47.34
For Dynamic Damper, Add	355.02	
For 3 Hour Rated, Add	197.23	
23 33 13 19-0029 EA 18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	821.34	51.07
For Dynamic Damper, Add	360.68	
For 3 Hour Rated, Add	200.38	
23 33 13 19-0030 EA 20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	693.25	32.88
For Dynamic Damper, Add	321.10	
For 3 Hour Rated, Add	178.39	
23 33 13 19-0031 EA 20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	718.14	36.60
For Dynamic Damper, Add	328.62	
For 3 Hour Rated, Add	182.57	
23 33 13 19-0032 EA 20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	743.06	40.11
For Dynamic Damper, Add	336.17	
For 3 Hour Rated, Add	186.76	
23 33 13 19-0033 EA 20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	782.02	43.83
For Dynamic Damper, Add	351.29	
For 3 Hour Rated, Add	195.16	
23 33 13 19-0034 EA 20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	803.42	47.34
For Dynamic Damper, Add	356.92	
For 3 Hour Rated, Add	198.29	
23 33 13 19-0035 EA 20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	824.83	51.07
For Dynamic Damper, Add	362.57	
For 3 Hour Rated, Add	201.43	
23 33 13 19-0036 EA 20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	849.76	54.79
For Dynamic Damper, Add	370.11	
For 3 Hour Rated, Add	205.62	
23 33 13 19-0037 EA 20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	874.65	58.30
For Dynamic Damper, Add	377.63	
For 3 Hour Rated, Add	209.80	
23 33 13 19-0038 EA 24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	711.69	36.60
For Dynamic Damper, Add	325.14	
For 3 Hour Rated, Add	180.63	
23 33 13 19-0039 EA 24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	736.77	40.11
For Dynamic Damper, Add	332.77	
For 3 Hour Rated, Add	184.87	
23 33 13 19-0040 EA 24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	757.18	43.83
For Dynamic Damper, Add	337.87	
For 3 Hour Rated, Add	187.71	
23 33 13 19-0041 EA 24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	782.21	47.34
For Dynamic Damper, Add	345.47	
For 3 Hour Rated, Add	191.93	
23 33 13 19-0042 EA 24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	800.23	51.07
For Dynamic Damper, Add	349.28	
For 3 Hour Rated, Add	194.05	
23 33 13 19-0043 EA 24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	818.23	54.79
For Dynamic Damper, Add	353.08	
For 3 Hour Rated, Add	196.16	
23 33 13 19-0044 EA 24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	843.29	58.30
For Dynamic Damper, Add	360.70	
For 3 Hour Rated, Add	200.39	
23 33 13 19-0045 EA 24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	879.30	65.75
For Dynamic Damper, Add	368.31	
For 3 Hour Rated, Add	204.62	
23 33 13 19-0046 EA 24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	920.04	72.98
For Dynamic Damper, Add	378.48	
For 3 Hour Rated, Add	210.26	
23 33 13 19-0047 EA 28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	736.77	40.11
For Dynamic Damper, Add	332.77	
For 3 Hour Rated, Add	184.87	
23 33 13 19-0048 EA 28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	757.18	43.83
For Dynamic Damper, Add	337.87	
For 3 Hour Rated, Add	187.71	
23 33 13 19-0049 EA 28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	782.21	47.34
For Dynamic Damper, Add	345.47	
For 3 Hour Rated, Add	191.93	
23 33 13 19-0050 EA 28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	802.58	51.07
For Dynamic Damper, Add	350.55	
For 3 Hour Rated, Add	194.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0051 EA 28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	825.29 356.90 198.28	54.79
23 33 13 19-0052 EA 28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	847.97 363.23 201.79	58.30
23 33 13 19-0053 EA 28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	883.98 370.84 206.02	65.75
23 33 13 19-0054 EA 28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	920.04 378.48 210.26	72.98
23 33 13 19-0055 EA 28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	959.20 393.70 218.72	76.71
23 33 13 19-0056 EA 28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	1,004.63 406.40 225.78	83.94
23 33 13 19-0057 EA 32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	771.25 345.47 191.93	43.83
23 33 13 19-0058 EA 32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	786.89 348.00 193.33	47.34
23 33 13 19-0059 EA 32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	802.58 350.55 194.75	51.07
23 33 13 19-0060 EA 32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	822.91 355.61 197.56	54.79
23 33 13 19-0061 EA 32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	848.85 363.70 202.06	58.30
23 33 13 19-0062 EA 32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	883.98 370.84 206.02	65.75
23 33 13 19-0063 EA 32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	924.76 381.02 211.68	72.98
23 33 13 19-0064 EA 32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	965.50 391.19 217.33	80.21
23 33 13 19-0065 EA 32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	1,004.63 406.40 225.78	83.94
23 33 13 19-0066 EA 32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	1,055.10 424.19 235.66	89.86
23 33 13 19-0067 EA 32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	1,108.02 444.48 246.94	94.89
23 33 13 19-0068 EA 36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	811.03 361.03 200.57	47.34
23 33 13 19-0069 EA 36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	832.18 366.54 203.63	51.07
23 33 13 19-0070 EA 36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	853.37 372.06 206.70	54.79
23 33 13 19-0071 EA 36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	879.68 380.35 211.31	58.30
23 33 13 19-0072 EA 36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	909.28 384.50 213.61	65.75
23 33 13 19-0073 EA 36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	927.90 388.64 215.91	69.26
23 33 13 19-0074 EA 36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	986.35 402.45 223.58	80.21
23 33 13 19-0075 EA 36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	1,033.78 416.22 231.23	87.67
23 33 13 19-0076 EA 36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	1,073.20 432.78 240.44	90.51
23 33 13 19-0077 EA 36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	1,133.83 454.87 252.71	97.09
23 33 13 19-0078 EA 36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	1,184.90 474.16 263.42	102.12

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0079 EA 36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,236.75	105.85
For Dynamic Damper, Add	496.24	
For 3 Hour Rated, Add	275.69	
23 33 13 19-0080 EA 40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,288.51	54.79
For Dynamic Damper, Add	612.95	
For 3 Hour Rated, Add	340.53	
23 33 13 19-0081 EA 40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,326.87	58.30
For Dynamic Damper, Add	627.75	
For 3 Hour Rated, Add	348.75	
23 33 13 19-0082 EA 40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,344.71	62.03
For Dynamic Damper, Add	631.47	
For 3 Hour Rated, Add	350.81	
23 33 13 19-0083 EA 40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,362.55	65.75
For Dynamic Damper, Add	635.18	
For 3 Hour Rated, Add	352.88	
23 33 13 19-0084 EA 40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,408.47	69.26
For Dynamic Damper, Add	648.15	
For 3 Hour Rated, Add	360.08	
23 33 13 19-0085 EA 40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,443.48	72.98
For Dynamic Damper, Add	661.13	
For 3 Hour Rated, Add	367.30	
23 33 13 19-0086 EA 40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,503.80	83.94
For Dynamic Damper, Add	675.95	
For 3 Hour Rated, Add	375.53	
23 33 13 19-0087 EA 40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,553.12	91.17
For Dynamic Damper, Add	690.75	
For 3 Hour Rated, Add	383.75	
23 33 13 19-0088 EA 40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,611.86	97.09
For Dynamic Damper, Add	713.01	
For 3 Hour Rated, Add	396.11	
23 33 13 19-0089 EA 40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,702.61	102.12
For Dynamic Damper, Add	753.73	
For 3 Hour Rated, Add	418.74	
23 33 13 19-0090 EA 40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,761.28	108.05
For Dynamic Damper, Add	775.94	
For 3 Hour Rated, Add	431.08	
23 33 13 19-0091 EA 40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,845.54	110.89
For Dynamic Damper, Add	816.70	
For 3 Hour Rated, Add	453.72	
23 33 13 19-0092 EA 40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,931.68	116.81
For Dynamic Damper, Add	853.76	
For 3 Hour Rated, Add	474.31	
23 33 13 19-0093 EA 44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,313.19	54.79
For Dynamic Damper, Add	620.36	
For 3 Hour Rated, Add	344.65	
23 33 13 19-0094 EA 44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,351.59	58.30
For Dynamic Damper, Add	635.18	
For 3 Hour Rated, Add	352.88	
23 33 13 19-0095 EA 44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,383.16	62.03
For Dynamic Damper, Add	646.31	
For 3 Hour Rated, Add	359.06	
23 33 13 19-0096 EA 44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,400.99	65.75
For Dynamic Damper, Add	650.03	
For 3 Hour Rated, Add	361.13	
23 33 13 19-0097 EA 44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,439.40	69.26
For Dynamic Damper, Add	664.85	
For 3 Hour Rated, Add	369.36	
23 33 13 19-0098 EA 44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,477.76	72.98
For Dynamic Damper, Add	679.64	
For 3 Hour Rated, Add	377.58	
23 33 13 19-0099 EA 44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,555.93	87.67
For Dynamic Damper, Add	698.18	
For 3 Hour Rated, Add	387.88	
23 33 13 19-0100 EA 44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,612.07	94.89
For Dynamic Damper, Add	716.67	
For 3 Hour Rated, Add	398.15	
23 33 13 19-0101 EA 44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,702.61	102.12
For Dynamic Damper, Add	753.73	
For 3 Hour Rated, Add	418.74	
23 33 13 19-0102 EA 44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,786.26	109.58
For Dynamic Damper, Add	787.06	
For 3 Hour Rated, Add	437.26	
23 33 13 19-0103 EA 44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,876.74	116.81
For Dynamic Damper, Add	824.09	
For 3 Hour Rated, Add	457.83	
23 33 13 19-0104 EA 44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,949.44	120.32
For Dynamic Damper, Add	857.43	
For 3 Hour Rated, Add	476.35	
23 33 13 19-0105 EA 44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,022.17	124.04
For Dynamic Damper, Add	890.78	
For 3 Hour Rated, Add	494.88	
23 33 13 19-0106 EA 44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,094.90	127.77
For Dynamic Damper, Add	924.14	
For 3 Hour Rated, Add	513.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0107 EA 48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,344.71 631.47 350.81	58.30
23 33 13 19-0108 EA 48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,383.16 646.31 359.06	62.03
23 33 13 19-0109 EA 48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,400.99 650.03 361.13	65.75
23 33 13 19-0110 EA 48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,443.48 661.13 367.30	72.98
23 33 13 19-0111 EA 48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,492.84 675.95 375.53	80.21
23 33 13 19-0112 EA 48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,542.17 690.75 383.75	87.67
23 33 13 19-0113 EA 48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,605.28 713.01 396.11	94.89
23 33 13 19-0114 EA 48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,668.32 735.21 408.45	102.12
23 33 13 19-0115 EA 48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,751.97 768.54 426.97	109.58
23 33 13 19-0116 EA 48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,849.30 809.27 449.60	116.81
23 33 13 19-0117 EA 48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,922.07 842.65 468.14	120.32
23 33 13 19-0118 EA 48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,015.29 887.07 492.82	124.04
23 33 13 19-0119 EA 48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,098.98 920.42 511.35	131.27
23 33 13 19-0120 EA 48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,192.28 964.89 536.05	135.00
23 33 13 19-0121 EA 48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,280.00 994.51 552.50	145.96
23 33 13 19-0122 EA 52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,376.28 642.59 357.00	62.03
23 33 13 19-0123 EA 52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,414.67 657.41 365.23	65.75
23 33 13 19-0124 EA 52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,464.04 672.24 373.46	72.98
23 33 13 19-0125 EA 52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,492.84 675.95 375.53	80.21
23 33 13 19-0126 EA 52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,545.65 692.63 384.80	87.67
23 33 13 19-0127 EA 52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,598.39 709.28 394.05	94.89
23 33 13 19-0128 EA 52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,661.48 731.52 406.40	102.12
23 33 13 19-0129 EA 52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,724.53 753.73 418.74	109.58
23 33 13 19-0130 EA 52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,808.17 787.06 437.26	116.81
23 33 13 19-0131 EA 52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,912.43 831.52 461.96	124.04
23 33 13 19-0132 EA 52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,991.92 868.53 482.52	127.77
23 33 13 19-0133 EA 52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,092.14 916.73 509.30	131.27
23 33 13 19-0134 EA 52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,196.30 961.15 533.97	138.73

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0135	EA		52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,280.00 994.51 552.50	145.96
23 33 13 19-0136	EA		52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,395.16 1,038.94 577.19	156.92
23 33 13 19-0137	EA		52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,485.69 1,076.00 597.78	164.15
23 33 13 19-0138	EA		56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,400.99 650.03 361.13	65.75
23 33 13 19-0139	EA		56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,457.16 668.52 371.40	72.98
23 33 13 19-0140	EA		56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,499.68 679.64 377.58	80.21
23 33 13 19-0141	EA		56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,528.44 683.34 379.63	87.67
23 33 13 19-0142	EA		56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,588.11 703.73 390.96	94.89
23 33 13 19-0143	EA		56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,647.76 724.11 402.28	102.12
23 33 13 19-0144	EA		56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,707.37 744.46 413.59	109.58
23 33 13 19-0145	EA		56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,767.00 764.83 424.91	116.81
23 33 13 19-0146	EA		56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,871.22 809.27 449.60	124.04
23 33 13 19-0147	EA		56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,964.56 853.76 474.31	127.77
23 33 13 19-0148	EA		56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,050.93 894.48 496.93	131.27
23 33 13 19-0149	EA		56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,168.90 946.35 525.75	138.73
23 33 13 19-0150	EA		56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,273.12 990.79 550.44	145.96
23 33 13 19-0151	EA		56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,384.21 1,038.94 577.19	153.19
23 33 13 19-0152	EA		56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,474.74 1,076.00 597.78	160.64
23 33 13 19-0153	EA		56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,585.83 1,124.16 624.53	167.88
23 33 13 19-0154	EA		56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,696.92 1,172.31 651.28	175.11
23 33 13 19-0155	EA		60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,443.48 661.13 367.30	72.98
23 33 13 19-0156	EA		60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,499.68 679.64 377.58	80.21
23 33 13 19-0157	EA		60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,535.33 687.06 381.70	87.67
23 33 13 19-0158	EA		60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,564.07 690.75 383.75	94.89
23 33 13 19-0159	EA		60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,627.20 713.01 396.11	102.12
23 33 13 19-0160	EA		60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,690.24 735.21 408.45	109.58
23 33 13 19-0161	EA		60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,756.72 759.28 421.82	116.81
23 33 13 19-0162	EA		60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,823.25 783.37 435.20	124.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0163 EA 60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,923.39 831.52 461.96	127.77
23 33 13 19-0164 EA 60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,016.64 875.96 486.65	131.27
23 33 13 19-0165 EA 60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,127.77 924.14 513.41	138.73
23 33 13 19-0166 EA 60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,238.87 972.30 540.17	145.96
23 33 13 19-0167 EA 60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,329.36 1,009.32 560.74	153.19
23 33 13 19-0168 EA 60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,461.01 1,068.58 593.66	160.64
23 33 13 19-0169 EA 60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,578.98 1,120.46 622.48	167.88
23 33 13 19-0170 EA 60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,696.92 1,172.31 651.28	175.11
23 33 13 19-0171 EA 60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,801.10 1,216.73 675.96	182.56
23 33 13 19-0172 EA 60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,905.43 1,261.23 700.69	189.79
23 33 13 19-0173 Smoke Damper <small>(23 33 13 19)</small> Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0174 EA 6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	128.87 43.32 24.07	16.22
23 33 13 19-0175 EA 8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	133.08 44.40 24.67	16.95
23 33 13 19-0176 EA 8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	135.41 45.51 25.28	17.09
23 33 13 19-0177 EA 10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	135.41 45.51 25.28	17.09
23 33 13 19-0178 EA 10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	138.90 46.60 25.89	17.54
23 33 13 19-0179 EA 10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	148.80 48.79 27.11	19.44
23 33 13 19-0180 EA 12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	138.90 46.60 25.89	17.54
23 33 13 19-0181 EA 12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	145.87 48.79 27.11	18.55
23 33 13 19-0182 EA 12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	150.84 49.89 27.72	19.44
23 33 13 19-0183 EA 12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	160.17 50.99 28.33	21.92
23 33 13 19-0184 EA 14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	144.86 48.24 26.80	18.55
23 33 13 19-0185 EA 14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	150.84 49.89 27.72	19.44
23 33 13 19-0186 EA 14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	155.78 50.99 28.33	20.45
23 33 13 19-0187 EA 14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	162.21 52.09 28.94	21.92
23 33 13 19-0188 EA 14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	174.59 54.83 30.46	24.40
23 33 13 19-0189 EA 16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	224.80 89.83 49.91	19.44
23 33 13 19-0190 EA 16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	231.20 90.93 50.51	20.89

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0191	EA		16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.09	22.93
			<i>For Dynamic Damper, Add</i>	92.03	
			<i>For 3 Hour Rated, Add</i>	51.13	
23 33 13 19-0192	EA		16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.49	24.40
			<i>For Dynamic Damper, Add</i>	93.11	
			<i>For 3 Hour Rated, Add</i>	51.73	
23 33 13 19-0193	EA		16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.89	26.73
			<i>For Dynamic Damper, Add</i>	95.87	
			<i>For 3 Hour Rated, Add</i>	53.26	
23 33 13 19-0194	EA		16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.28	29.22
			<i>For Dynamic Damper, Add</i>	98.61	
			<i>For 3 Hour Rated, Add</i>	54.78	
23 33 13 19-0195	EA		18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.74	20.45
			<i>For Dynamic Damper, Add</i>	90.93	
			<i>For 3 Hour Rated, Add</i>	50.51	
23 33 13 19-0196	EA		18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.17	21.92
			<i>For Dynamic Damper, Add</i>	92.57	
			<i>For 3 Hour Rated, Add</i>	51.43	
23 33 13 19-0197	EA		18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.55	24.40
			<i>For Dynamic Damper, Add</i>	94.22	
			<i>For 3 Hour Rated, Add</i>	52.35	
23 33 13 19-0198	EA		18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.92	26.73
			<i>For Dynamic Damper, Add</i>	96.96	
			<i>For 3 Hour Rated, Add</i>	53.87	
23 33 13 19-0199	EA		18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.28	29.22
			<i>For Dynamic Damper, Add</i>	99.15	
			<i>For 3 Hour Rated, Add</i>	55.08	
23 33 13 19-0200	EA		18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.66	31.56
			<i>For Dynamic Damper, Add</i>	101.90	
			<i>For 3 Hour Rated, Add</i>	56.61	
23 33 13 19-0201	EA		18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.02	34.04
			<i>For Dynamic Damper, Add</i>	103.55	
			<i>For 3 Hour Rated, Add</i>	57.53	
23 33 13 19-0202	EA		20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.17	21.92
			<i>For Dynamic Damper, Add</i>	92.03	
			<i>For 3 Hour Rated, Add</i>	51.13	
23 33 13 19-0203	EA		20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.53	24.40
			<i>For Dynamic Damper, Add</i>	94.21	
			<i>For 3 Hour Rated, Add</i>	52.34	
23 33 13 19-0204	EA		20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.90	26.73
			<i>For Dynamic Damper, Add</i>	96.41	
			<i>For 3 Hour Rated, Add</i>	53.56	
23 33 13 19-0205	EA		20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.35	29.22
			<i>For Dynamic Damper, Add</i>	100.81	
			<i>For 3 Hour Rated, Add</i>	56.00	
23 33 13 19-0206	EA		20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.68	31.56
			<i>For Dynamic Damper, Add</i>	102.45	
			<i>For 3 Hour Rated, Add</i>	56.92	
23 33 13 19-0207	EA		20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.04	34.04
			<i>For Dynamic Damper, Add</i>	104.10	
			<i>For 3 Hour Rated, Add</i>	57.83	
23 33 13 19-0208	EA		20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.40	36.53
			<i>For Dynamic Damper, Add</i>	106.28	
			<i>For 3 Hour Rated, Add</i>	59.05	
23 33 13 19-0209	EA		20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.76	38.86
			<i>For Dynamic Damper, Add</i>	108.48	
			<i>For 3 Hour Rated, Add</i>	60.26	
23 33 13 19-0210	EA		24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.73	24.40
			<i>For Dynamic Damper, Add</i>	127.26	
			<i>For 3 Hour Rated, Add</i>	70.70	
23 33 13 19-0211	EA		24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.14	26.73
			<i>For Dynamic Damper, Add</i>	130.56	
			<i>For 3 Hour Rated, Add</i>	72.53	
23 33 13 19-0212	EA		24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.51	29.22
			<i>For Dynamic Damper, Add</i>	132.75	
			<i>For 3 Hour Rated, Add</i>	73.75	
23 33 13 19-0213	EA		24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	346.90	31.56
			<i>For Dynamic Damper, Add</i>	136.05	
			<i>For 3 Hour Rated, Add</i>	75.58	
23 33 13 19-0214	EA		24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.25	34.04
			<i>For Dynamic Damper, Add</i>	137.69	
			<i>For 3 Hour Rated, Add</i>	76.49	
23 33 13 19-0215	EA		24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.60	36.53
			<i>For Dynamic Damper, Add</i>	139.33	
			<i>For 3 Hour Rated, Add</i>	77.41	
23 33 13 19-0216	EA		24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.99	38.86
			<i>For Dynamic Damper, Add</i>	142.62	
			<i>For 3 Hour Rated, Add</i>	79.23	
23 33 13 19-0217	EA		24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.70	43.83
			<i>For Dynamic Damper, Add</i>	145.91	
			<i>For 3 Hour Rated, Add</i>	81.06	
23 33 13 19-0218	EA		24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.44	48.65
			<i>For Dynamic Damper, Add</i>	150.30	
			<i>For 3 Hour Rated, Add</i>	83.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0219 EA 28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	322.14 130.56 72.53	26.73
23 33 13 19-0220 EA 28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	333.51 132.75 73.75	29.22
23 33 13 19-0221 EA 28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	346.90 136.05 75.58	31.56
23 33 13 19-0222 EA 28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	358.26 138.23 76.80	34.04
23 33 13 19-0223 EA 28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	370.64 140.97 78.32	36.53
23 33 13 19-0224 EA 28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	383.02 143.72 79.84	38.86
23 33 13 19-0225 EA 28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	403.72 147.00 81.67	43.83
23 33 13 19-0226 EA 28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	424.44 150.30 83.50	48.65
23 33 13 19-0227 EA 28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	443.92 156.88 87.15	51.14
23 33 13 19-0228 EA 28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	468.70 162.37 90.20	55.96
23 33 13 19-0229 EA 32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	339.61 136.05 75.58	29.22
23 33 13 19-0230 EA 32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	348.91 137.13 76.19	31.56
23 33 13 19-0231 EA 32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	358.26 138.23 76.80	34.04
23 33 13 19-0232 EA 32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	369.62 140.42 78.01	36.53
23 33 13 19-0233 EA 32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	383.40 143.92 79.96	38.86
23 33 13 19-0234 EA 32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	403.72 147.00 81.67	43.83
23 33 13 19-0235 EA 32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	426.47 151.40 84.11	48.65
23 33 13 19-0236 EA 32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	449.22 155.79 86.55	53.47
23 33 13 19-0237 EA 32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	468.70 162.37 90.20	55.96
23 33 13 19-0238 EA 32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	494.62 170.05 94.47	59.90
23 33 13 19-0239 EA 32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	521.09 178.82 99.35	63.26
23 33 13 19-0240 EA 36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	356.47 141.22 78.45	31.56
23 33 13 19-0241 EA 36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	368.02 143.51 79.73	34.04
23 33 13 19-0242 EA 36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	379.58 145.80 81.00	36.53
23 33 13 19-0243 EA 36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	393.27 149.25 82.92	38.86
23 33 13 19-0244 EA 36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	411.09 150.98 83.88	43.83
23 33 13 19-0245 EA 36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	421.59 152.71 84.84	46.17
23 33 13 19-0246 EA 36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	454.15 158.45 88.03	53.47

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0247	EA		36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.38	58.45
			<i>For Dynamic Damper, Add</i>	164.19	
			<i>For 3 Hour Rated, Add</i>	91.22	
23 33 13 19-0248	EA		36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.00	60.34
			<i>For Dynamic Damper, Add</i>	171.09	
			<i>For 3 Hour Rated, Add</i>	95.05	
23 33 13 19-0249	EA		36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	528.16	64.72
			<i>For Dynamic Damper, Add</i>	180.27	
			<i>For 3 Hour Rated, Add</i>	100.15	
23 33 13 19-0250	EA		36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.29	68.09
			<i>For Dynamic Damper, Add</i>	188.32	
			<i>For 3 Hour Rated, Add</i>	104.62	
23 33 13 19-0251	EA		36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.62	70.57
			<i>For Dynamic Damper, Add</i>	197.51	
			<i>For 3 Hour Rated, Add</i>	109.73	
23 33 13 19-0252	EA		40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.27	36.53
			<i>For Dynamic Damper, Add</i>	166.32	
			<i>For 3 Hour Rated, Add</i>	92.40	
23 33 13 19-0253	EA		40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	426.08	38.86
			<i>For Dynamic Damper, Add</i>	170.91	
			<i>For 3 Hour Rated, Add</i>	94.95	
23 33 13 19-0254	EA		40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	435.51	41.34
			<i>For Dynamic Damper, Add</i>	172.06	
			<i>For 3 Hour Rated, Add</i>	95.59	
23 33 13 19-0255	EA		40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	444.95	43.83
			<i>For Dynamic Damper, Add</i>	173.21	
			<i>For 3 Hour Rated, Add</i>	96.23	
23 33 13 19-0256	EA		40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.02	46.17
			<i>For Dynamic Damper, Add</i>	177.24	
			<i>For 3 Hour Rated, Add</i>	98.47	
23 33 13 19-0257	EA		40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.77	48.65
			<i>For Dynamic Damper, Add</i>	181.26	
			<i>For 3 Hour Rated, Add</i>	100.70	
23 33 13 19-0258	EA		40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	512.20	55.96
			<i>For Dynamic Damper, Add</i>	185.86	
			<i>For 3 Hour Rated, Add</i>	103.25	
23 33 13 19-0259	EA		40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.33	60.78
			<i>For Dynamic Damper, Add</i>	190.46	
			<i>For 3 Hour Rated, Add</i>	105.81	
23 33 13 19-0260	EA		40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.79	64.72
			<i>For Dynamic Damper, Add</i>	197.35	
			<i>For 3 Hour Rated, Add</i>	109.64	
23 33 13 19-0261	EA		40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	593.42	68.09
			<i>For Dynamic Damper, Add</i>	209.99	
			<i>For 3 Hour Rated, Add</i>	116.66	
23 33 13 19-0262	EA		40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	617.85	72.03
			<i>For Dynamic Damper, Add</i>	216.87	
			<i>For 3 Hour Rated, Add</i>	120.49	
23 33 13 19-0263	EA		40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	647.11	73.93
			<i>For Dynamic Damper, Add</i>	229.52	
			<i>For 3 Hour Rated, Add</i>	127.51	
23 33 13 19-0264	EA		40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	680.09	77.87
			<i>For Dynamic Damper, Add</i>	241.01	
			<i>For 3 Hour Rated, Add</i>	133.90	
23 33 13 19-0265	EA		44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	421.84	36.53
			<i>For Dynamic Damper, Add</i>	168.62	
			<i>For 3 Hour Rated, Add</i>	93.68	
23 33 13 19-0266	EA		44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	437.64	38.86
			<i>For Dynamic Damper, Add</i>	173.21	
			<i>For 3 Hour Rated, Add</i>	96.23	
23 33 13 19-0267	EA		44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.36	41.34
			<i>For Dynamic Damper, Add</i>	176.67	
			<i>For 3 Hour Rated, Add</i>	98.15	
23 33 13 19-0268	EA		44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	460.79	43.83
			<i>For Dynamic Damper, Add</i>	177.82	
			<i>For 3 Hour Rated, Add</i>	98.79	
23 33 13 19-0269	EA		44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	476.60	46.17
			<i>For Dynamic Damper, Add</i>	182.41	
			<i>For 3 Hour Rated, Add</i>	101.34	
23 33 13 19-0270	EA		44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	492.41	48.65
			<i>For Dynamic Damper, Add</i>	187.01	
			<i>For 3 Hour Rated, Add</i>	103.89	
23 33 13 19-0271	EA		44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	532.29	58.45
			<i>For Dynamic Damper, Add</i>	192.76	
			<i>For 3 Hour Rated, Add</i>	107.09	
23 33 13 19-0272	EA		44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	557.52	63.26
			<i>For Dynamic Damper, Add</i>	198.49	
			<i>For 3 Hour Rated, Add</i>	110.27	
23 33 13 19-0273	EA		44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	593.42	68.09
			<i>For Dynamic Damper, Add</i>	209.99	
			<i>For 3 Hour Rated, Add</i>	116.66	
23 33 13 19-0274	EA		44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	627.18	73.06
			<i>For Dynamic Damper, Add</i>	220.33	
			<i>For 3 Hour Rated, Add</i>	122.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0275 EA 44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	663.05 231.81 128.78	77.87
23 33 13 19-0276 EA 44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	689.51 242.15 134.53	80.21
23 33 13 19-0277 EA 44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	715.97 252.50 140.28	82.70
23 33 13 19-0278 EA 44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	742.44 262.85 146.03	85.18
23 33 13 19-0279 EA 48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	435.51 172.06 95.59	38.86
23 33 13 19-0280 EA 48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	451.36 176.67 98.15	41.34
23 33 13 19-0281 EA 48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	460.79 177.82 98.79	43.83
23 33 13 19-0282 EA 48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	481.77 181.26 100.70	48.65
23 33 13 19-0283 EA 48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	504.90 185.86 103.25	53.47
23 33 13 19-0284 EA 48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	528.03 190.46 105.81	58.45
23 33 13 19-0285 EA 48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	555.41 197.35 109.64	63.26
23 33 13 19-0286 EA 48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	582.77 204.24 113.47	68.09
23 33 13 19-0287 EA 48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	616.53 214.58 119.21	73.06
23 33 13 19-0288 EA 48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	654.54 227.22 126.23	77.87
23 33 13 19-0289 EA 48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	681.02 237.57 131.98	80.21
23 33 13 19-0290 EA 48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	713.84 251.35 139.64	82.70
23 33 13 19-0291 EA 48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	747.62 261.69 145.39	87.51
23 33 13 19-0292 EA 48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	780.45 275.48 153.05	90.00
23 33 13 19-0293 EA 48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	819.38 284.67 158.15	97.31
23 33 13 19-0294 EA 52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	449.23 175.52 97.51	41.34
23 33 13 19-0295 EA 52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	465.03 180.11 100.06	43.83
23 33 13 19-0296 EA 52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	488.15 184.71 102.62	48.65
23 33 13 19-0297 EA 52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	504.90 185.86 103.25	53.47
23 33 13 19-0298 EA 52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	529.10 191.04 106.13	58.45
23 33 13 19-0299 EA 52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	553.28 196.20 109.00	63.26
23 33 13 19-0300 EA 52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	580.65 203.09 112.83	68.09
23 33 13 19-0301 EA 52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	608.03 209.99 116.66	73.06
23 33 13 19-0302 EA 52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	641.79 220.33 122.41	77.87

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0303	EA		52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	681.92	82.70
			<i>For Dynamic Damper, Add</i>	234.11	
			<i>For 3 Hour Rated, Add</i>	130.06	
23 33 13 19-0304	EA		52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	710.50	85.18
			<i>For Dynamic Damper, Add</i>	245.60	
			<i>For 3 Hour Rated, Add</i>	136.44	
23 33 13 19-0305	EA		52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	745.49	87.51
			<i>For Dynamic Damper, Add</i>	260.54	
			<i>For 3 Hour Rated, Add</i>	144.75	
23 33 13 19-0306	EA		52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	785.61	92.48
			<i>For Dynamic Damper, Add</i>	274.32	
			<i>For 3 Hour Rated, Add</i>	152.40	
23 33 13 19-0307	EA		52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	819.38	97.31
			<i>For Dynamic Damper, Add</i>	284.67	
			<i>For 3 Hour Rated, Add</i>	158.15	
23 33 13 19-0308	EA		52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	868.82	104.61
			<i>For Dynamic Damper, Add</i>	298.46	
			<i>For 3 Hour Rated, Add</i>	165.81	
23 33 13 19-0309	EA		52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	902.73	109.43
			<i>For Dynamic Damper, Add</i>	309.95	
			<i>For 3 Hour Rated, Add</i>	172.20	
23 33 13 19-0310	EA		56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	460.79	43.83
			<i>For Dynamic Damper, Add</i>	177.82	
			<i>For 3 Hour Rated, Add</i>	98.79	
23 33 13 19-0311	EA		56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	486.02	48.65
			<i>For Dynamic Damper, Add</i>	183.56	
			<i>For 3 Hour Rated, Add</i>	101.98	
23 33 13 19-0312	EA		56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.03	53.47
			<i>For Dynamic Damper, Add</i>	187.01	
			<i>For 3 Hour Rated, Add</i>	103.89	
23 33 13 19-0313	EA		56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.76	58.45
			<i>For Dynamic Damper, Add</i>	188.15	
			<i>For 3 Hour Rated, Add</i>	104.53	
23 33 13 19-0314	EA		56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.08	63.26
			<i>For Dynamic Damper, Add</i>	194.48	
			<i>For 3 Hour Rated, Add</i>	108.04	
23 33 13 19-0315	EA		56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	576.39	68.09
			<i>For Dynamic Damper, Add</i>	200.79	
			<i>For 3 Hour Rated, Add</i>	111.55	
23 33 13 19-0316	EA		56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	602.70	73.06
			<i>For Dynamic Damper, Add</i>	207.11	
			<i>For 3 Hour Rated, Add</i>	115.06	
23 33 13 19-0317	EA		56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	629.01	77.87
			<i>For Dynamic Damper, Add</i>	213.43	
			<i>For 3 Hour Rated, Add</i>	118.57	
23 33 13 19-0318	EA		56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	669.15	82.70
			<i>For Dynamic Damper, Add</i>	227.22	
			<i>For 3 Hour Rated, Add</i>	126.23	
23 33 13 19-0319	EA		56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	702.01	85.18
			<i>For Dynamic Damper, Add</i>	241.01	
			<i>For 3 Hour Rated, Add</i>	133.90	
23 33 13 19-0320	EA		56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	732.72	87.51
			<i>For Dynamic Damper, Add</i>	253.65	
			<i>For 3 Hour Rated, Add</i>	140.92	
23 33 13 19-0321	EA		56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	777.12	92.48
			<i>For Dynamic Damper, Add</i>	269.74	
			<i>For 3 Hour Rated, Add</i>	149.85	
23 33 13 19-0322	EA		56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	817.25	97.31
			<i>For Dynamic Damper, Add</i>	283.52	
			<i>For 3 Hour Rated, Add</i>	157.51	
23 33 13 19-0323	EA		56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	859.52	102.12
			<i>For Dynamic Damper, Add</i>	298.46	
			<i>For 3 Hour Rated, Add</i>	165.81	
23 33 13 19-0324	EA		56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	895.42	107.10
			<i>For Dynamic Damper, Add</i>	309.95	
			<i>For 3 Hour Rated, Add</i>	172.20	
23 33 13 19-0325	EA		56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	937.69	111.92
			<i>For Dynamic Damper, Add</i>	324.89	
			<i>For 3 Hour Rated, Add</i>	180.50	
23 33 13 19-0326	EA		56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	979.96	116.74
			<i>For Dynamic Damper, Add</i>	339.83	
			<i>For 3 Hour Rated, Add</i>	188.79	
23 33 13 19-0327	EA		60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.77	48.65
			<i>For Dynamic Damper, Add</i>	181.26	
			<i>For 3 Hour Rated, Add</i>	100.70	
23 33 13 19-0328	EA		60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.03	53.47
			<i>For Dynamic Damper, Add</i>	187.01	
			<i>For 3 Hour Rated, Add</i>	103.89	
23 33 13 19-0329	EA		60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	525.89	58.45
			<i>For Dynamic Damper, Add</i>	189.30	
			<i>For 3 Hour Rated, Add</i>	105.17	
23 33 13 19-0330	EA		60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.64	63.26
			<i>For Dynamic Damper, Add</i>	190.46	
			<i>For 3 Hour Rated, Add</i>	105.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0331 EA 60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	570.02 197.35 109.64	68.09
23 33 13 19-0332 EA 60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	597.38 204.24 113.47	73.06
23 33 13 19-0333 EA 60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	625.82 211.71 117.62	77.87
23 33 13 19-0334 EA 60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	654.26 219.18 121.76	82.70
23 33 13 19-0335 EA 60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	689.23 234.11 130.06	85.18
23 33 13 19-0336 EA 60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	722.07 247.90 137.72	87.51
23 33 13 19-0337 EA 60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	764.36 262.85 146.03	92.48
23 33 13 19-0338 EA 60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	806.62 277.78 154.32	97.31
23 33 13 19-0339 EA 60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	842.50 289.27 160.70	102.12
23 33 13 19-0340 EA 60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	891.14 307.64 170.91	107.10
23 33 13 19-0341 EA 60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	935.54 323.73 179.85	111.92
23 33 13 19-0342 EA 60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	979.96 339.83 188.79	116.74
23 33 13 19-0343 EA 60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,020.07 353.60 196.44	121.71
23 33 13 19-0344 EA 60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,060.25 367.40 204.11	126.53

23 33 13 23 Backdraft Dampers (23 33 13)

23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002 EA 6" x 6" Horizontally Mounted Backdraft Damper	92.65	16.22
23 33 13 23-0003 EA 8" x 6" Horizontally Mounted Backdraft Damper	109.51	16.95
23 33 13 23-0004 EA 8" x 8" Horizontally Mounted Backdraft Damper	129.35	17.09
23 33 13 23-0005 EA 10" x 6" Horizontally Mounted Backdraft Damper	124.47	17.09
23 33 13 23-0006 EA 10" x 8" Horizontally Mounted Backdraft Damper	120.11	17.54
23 33 13 23-0007 EA 10" x 10" Horizontally Mounted Backdraft Damper	142.83	19.44
23 33 13 23-0008 EA 12" x 6" Horizontally Mounted Backdraft Damper	113.36	17.54
23 33 13 23-0009 EA 12" x 8" Horizontally Mounted Backdraft Damper	139.46	19.44
23 33 13 23-0010 EA 12" x 10" Horizontally Mounted Backdraft Damper	135.10	20.45
23 33 13 23-0011 EA 12" x 12" Horizontally Mounted Backdraft Damper	154.25	21.92
23 33 13 23-0012 EA 14" x 6" Horizontally Mounted Backdraft Damper	126.40	18.55
23 33 13 23-0013 EA 14" x 8" Horizontally Mounted Backdraft Damper	130.18	20.45
23 33 13 23-0014 EA 14" x 10" Horizontally Mounted Backdraft Damper	151.80	21.92
23 33 13 23-0015 EA 14" x 12" Horizontally Mounted Backdraft Damper	139.25	24.40
23 33 13 23-0016 EA 14" x 14" Horizontally Mounted Backdraft Damper	157.58	26.73
23 33 13 23-0017 EA 16" x 6" Horizontally Mounted Backdraft Damper	139.46	19.44
23 33 13 23-0018 EA 16" x 8" Horizontally Mounted Backdraft Damper	144.41	21.92
23 33 13 23-0019 EA 16" x 10" Horizontally Mounted Backdraft Damper	136.10	24.40
23 33 13 23-0020 EA 16" x 12" Horizontally Mounted Backdraft Damper	148.70	24.40
23 33 13 23-0021 EA 16" x 14" Horizontally Mounted Backdraft Damper	168.61	26.73
23 33 13 23-0022 EA 16" x 16" Horizontally Mounted Backdraft Damper	188.52	29.22
23 33 13 23-0023 EA 18" x 6" Horizontally Mounted Backdraft Damper	127.73	20.45
23 33 13 23-0024 EA 18" x 8" Horizontally Mounted Backdraft Damper	122.47	21.92
23 33 13 23-0025 EA 18" x 10" Horizontally Mounted Backdraft Damper	143.96	24.40
23 33 13 23-0026 EA 18" x 12" Horizontally Mounted Backdraft Damper	165.44	26.73
23 33 13 23-0027 EA 18" x 14" Horizontally Mounted Backdraft Damper	186.93	29.22
23 33 13 23-0028 EA 18" x 16" Horizontally Mounted Backdraft Damper	212.05	31.56
23 33 13 23-0029 EA 18" x 18" Horizontally Mounted Backdraft Damper	241.30	36.53
23 33 13 23-0030 EA 18" x 20" Horizontally Mounted Backdraft Damper	205.65	38.86
23 33 13 23-0031 EA 18" x 24" Horizontally Mounted Backdraft Damper	238.00	43.83
23 33 13 23-0032 EA 20" x 6" Horizontally Mounted Backdraft Damper	139.49	21.92
23 33 13 23-0033 EA 20" x 8" Horizontally Mounted Backdraft Damper	136.10	24.40
23 33 13 23-0034 EA 20" x 10" Horizontally Mounted Backdraft Damper	159.14	26.73
23 33 13 23-0035 EA 20" x 12" Horizontally Mounted Backdraft Damper	182.22	29.22
23 33 13 23-0036 EA 20" x 14" Horizontally Mounted Backdraft Damper	208.79	31.56
23 33 13 23-0037 EA 20" x 16" Horizontally Mounted Backdraft Damper	232.36	34.04

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0038 EA 20" x 18" Horizontally Mounted Backdraft Damper	205.65	38.86
23 33 13 23-0039 EA 20" x 20" Horizontally Mounted Backdraft Damper	215.50	38.86
23 33 13 23-0040 EA 20" x 24" Horizontally Mounted Backdraft Damper	249.83	43.83
23 33 13 23-0041 EA 20" x 28" Horizontally Mounted Backdraft Damper	284.16	48.65
23 33 13 23-0042 EA 20" x 32" Horizontally Mounted Backdraft Damper	273.42	53.47
23 33 13 23-0043 EA 20" x 36" Horizontally Mounted Backdraft Damper	302.11	58.45
23 33 13 23-0044 EA 24" x 6" Horizontally Mounted Backdraft Damper	129.78	24.40
23 33 13 23-0045 EA 24" x 8" Horizontally Mounted Backdraft Damper	156.00	26.73
23 33 13 23-0046 EA 24" x 10" Horizontally Mounted Backdraft Damper	182.22	29.22
23 33 13 23-0047 EA 24" x 12" Horizontally Mounted Backdraft Damper	212.05	31.56
23 33 13 23-0048 EA 24" x 14" Horizontally Mounted Backdraft Damper	192.42	36.53
23 33 13 23-0049 EA 24" x 16" Horizontally Mounted Backdraft Damper	211.55	38.86
23 33 13 23-0050 EA 24" x 18" Horizontally Mounted Backdraft Damper	238.00	43.83
23 33 13 23-0051 EA 24" x 20" Horizontally Mounted Backdraft Damper	249.83	43.83
23 33 13 23-0052 EA 24" x 24" Horizontally Mounted Backdraft Damper	288.11	48.65
23 33 13 23-0053 EA 24" x 28" Horizontally Mounted Backdraft Damper	279.04	53.47
23 33 13 23-0054 EA 24" x 32" Horizontally Mounted Backdraft Damper	310.57	58.45
23 33 13 23-0055 EA 24" x 36" Horizontally Mounted Backdraft Damper	342.08	63.26
23 33 13 23-0056 EA 24" x 40" Horizontally Mounted Backdraft Damper	339.79	68.09
23 33 13 23-0057 EA 24" x 44" Horizontally Mounted Backdraft Damper	367.92	73.06
23 33 13 23-0058 EA 24" x 48" Horizontally Mounted Backdraft Damper	381.44	73.06
23 33 13 23-0059 EA 28" x 6" Horizontally Mounted Backdraft Damper	139.25	24.40
23 33 13 23-0060 EA 28" x 8" Horizontally Mounted Backdraft Damper	168.61	26.73
23 33 13 23-0061 EA 28" x 10" Horizontally Mounted Backdraft Damper	208.79	31.56
23 33 13 23-0062 EA 28" x 12" Horizontally Mounted Backdraft Damper	192.42	36.53
23 33 13 23-0063 EA 28" x 14" Horizontally Mounted Backdraft Damper	213.53	38.86
23 33 13 23-0064 EA 28" x 16" Horizontally Mounted Backdraft Damper	241.95	43.83
23 33 13 23-0065 EA 28" x 18" Horizontally Mounted Backdraft Damper	270.37	48.65
23 33 13 23-0066 EA 28" x 20" Horizontally Mounted Backdraft Damper	284.16	48.65
23 33 13 23-0067 EA 28" x 24" Horizontally Mounted Backdraft Damper	279.04	53.47
23 33 13 23-0068 EA 28" x 28" Horizontally Mounted Backdraft Damper	313.39	58.45
23 33 13 23-0069 EA 28" x 32" Horizontally Mounted Backdraft Damper	347.71	63.26
23 33 13 23-0070 EA 28" x 36" Horizontally Mounted Backdraft Damper	361.15	73.06
23 33 13 23-0071 EA 28" x 40" Horizontally Mounted Backdraft Damper	376.93	73.06
23 33 13 23-0072 EA 28" x 44" Horizontally Mounted Backdraft Damper	407.31	77.87
23 33 13 23-0073 EA 28" x 48" Horizontally Mounted Backdraft Damper	437.71	82.70
23 33 13 23-0074 EA 28" x 52" Horizontally Mounted Backdraft Damper	453.49	82.70
23 33 13 23-0075 EA 28" x 56" Horizontally Mounted Backdraft Damper	456.28	87.51
23 33 13 23-0076 EA 28" x 60" Horizontally Mounted Backdraft Damper	470.07	87.51
23 33 13 23-0077 EA 32" x 6" Horizontally Mounted Backdraft Damper	156.00	26.73
23 33 13 23-0078 EA 32" x 8" Horizontally Mounted Backdraft Damper	199.04	31.56
23 33 13 23-0079 EA 32" x 10" Horizontally Mounted Backdraft Damper	232.36	34.04
23 33 13 23-0080 EA 32" x 12" Horizontally Mounted Backdraft Damper	211.55	38.86
23 33 13 23-0081 EA 32" x 14" Horizontally Mounted Backdraft Damper	241.95	43.83
23 33 13 23-0082 EA 32" x 16" Horizontally Mounted Backdraft Damper	272.32	48.65
23 33 13 23-0083 EA 32" x 18" Horizontally Mounted Backdraft Damper	247.52	48.65
23 33 13 23-0084 EA 32" x 20" Horizontally Mounted Backdraft Damper	273.42	53.47
23 33 13 23-0085 EA 32" x 24" Horizontally Mounted Backdraft Damper	310.57	58.45
23 33 13 23-0086 EA 32" x 28" Horizontally Mounted Backdraft Damper	347.71	63.26
23 33 13 23-0087 EA 32" x 32" Horizontally Mounted Backdraft Damper	363.41	73.06
23 33 13 23-0088 EA 32" x 36" Horizontally Mounted Backdraft Damper	381.44	73.06
23 33 13 23-0089 EA 32" x 40" Horizontally Mounted Backdraft Damper	414.08	77.87
23 33 13 23-0090 EA 32" x 44" Horizontally Mounted Backdraft Damper	446.72	82.70
23 33 13 23-0091 EA 32" x 48" Horizontally Mounted Backdraft Damper	452.33	87.51
23 33 13 23-0092 EA 32" x 52" Horizontally Mounted Backdraft Damper	468.11	87.51
23 33 13 23-0093 EA 32" x 56" Horizontally Mounted Backdraft Damper	498.49	92.48
23 33 13 23-0094 EA 32" x 60" Horizontally Mounted Backdraft Damper	514.27	92.48
23 33 13 23-0095 EA 32" x 64" Horizontally Mounted Backdraft Damper	508.58	97.31
23 33 13 23-0096 EA 32" x 68" Horizontally Mounted Backdraft Damper	522.10	97.31
23 33 13 23-0097 EA 32" x 72" Horizontally Mounted Backdraft Damper	550.23	102.12
23 33 13 23-0098 EA 36" x 6" Horizontally Mounted Backdraft Damper	165.44	26.73
23 33 13 23-0099 EA 36" x 8" Horizontally Mounted Backdraft Damper	219.36	34.04
23 33 13 23-0100 EA 36" x 10" Horizontally Mounted Backdraft Damper	205.65	38.86
23 33 13 23-0101 EA 36" x 12" Horizontally Mounted Backdraft Damper	238.00	43.83
23 33 13 23-0102 EA 36" x 14" Horizontally Mounted Backdraft Damper	270.37	48.65
23 33 13 23-0103 EA 36" x 16" Horizontally Mounted Backdraft Damper	247.52	48.65
23 33 13 23-0104 EA 36" x 18" Horizontally Mounted Backdraft Damper	274.82	53.47
23 33 13 23-0105 EA 36" x 20" Horizontally Mounted Backdraft Damper	302.11	58.45
23 33 13 23-0106 EA 36" x 24" Horizontally Mounted Backdraft Damper	342.08	63.26
23 33 13 23-0107 EA 36" x 28" Horizontally Mounted Backdraft Damper	361.15	73.06
23 33 13 23-0108 EA 36" x 32" Horizontally Mounted Backdraft Damper	381.44	73.06
23 33 13 23-0109 EA 36" x 36" Horizontally Mounted Backdraft Damper	416.32	77.87
23 33 13 23-0110 EA 36" x 40" Horizontally Mounted Backdraft Damper	451.23	82.70
23 33 13 23-0111 EA 36" x 44" Horizontally Mounted Backdraft Damper	458.23	87.51
23 33 13 23-0112 EA 36" x 48" Horizontally Mounted Backdraft Damper	490.60	92.48
23 33 13 23-0113 EA 36" x 52" Horizontally Mounted Backdraft Damper	508.34	92.48
23 33 13 23-0114 EA 36" x 56" Horizontally Mounted Backdraft Damper	505.20	97.31
23 33 13 23-0115 EA 36" x 60" Horizontally Mounted Backdraft Damper	520.41	97.31
23 33 13 23-0116 EA 36" x 64" Horizontally Mounted Backdraft Damper	550.23	102.12
23 33 13 23-0117 EA 36" x 68" Horizontally Mounted Backdraft Damper	565.44	102.12
23 33 13 23-0118 EA 36" x 72" Horizontally Mounted Backdraft Damper	580.67	102.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0119 EA 40" x 6" Horizontally Mounted Backdraft Damper	182.22	29.22
23 33 13 23-0120 EA 40" x 8" Horizontally Mounted Backdraft Damper	239.67	36.53
23 33 13 23-0121 EA 40" x 10" Horizontally Mounted Backdraft Damper	215.50	38.86
23 33 13 23-0122 EA 40" x 12" Horizontally Mounted Backdraft Damper	249.83	43.83
23 33 13 23-0123 EA 40" x 14" Horizontally Mounted Backdraft Damper	284.16	48.65
23 33 13 23-0124 EA 40" x 16" Horizontally Mounted Backdraft Damper	273.42	53.47
23 33 13 23-0125 EA 40" x 18" Horizontally Mounted Backdraft Damper	302.11	58.45
23 33 13 23-0126 EA 40" x 20" Horizontally Mounted Backdraft Damper	330.80	63.26
23 33 13 23-0127 EA 40" x 24" Horizontally Mounted Backdraft Damper	339.79	68.09
23 33 13 23-0128 EA 40" x 28" Horizontally Mounted Backdraft Damper	376.93	73.06
23 33 13 23-0129 EA 40" x 32" Horizontally Mounted Backdraft Damper	414.08	77.87
23 33 13 23-0130 EA 40" x 36" Horizontally Mounted Backdraft Damper	451.23	82.70
23 33 13 23-0131 EA 40" x 40" Horizontally Mounted Backdraft Damper	460.21	87.51
23 33 13 23-0132 EA 40" x 44" Horizontally Mounted Backdraft Damper	494.53	92.48
23 33 13 23-0133 EA 40" x 48" Horizontally Mounted Backdraft Damper	514.27	92.48
23 33 13 23-0134 EA 40" x 50" Horizontally Mounted Backdraft Damper	503.52	97.31
23 33 13 23-0135 EA 44" x 6" Horizontally Mounted Backdraft Damper	202.29	31.56
23 33 13 23-0136 EA 44" x 8" Horizontally Mounted Backdraft Damper	203.67	38.86
23 33 13 23-0137 EA 44" x 10" Horizontally Mounted Backdraft Damper	239.97	43.83
23 33 13 23-0138 EA 44" x 12" Horizontally Mounted Backdraft Damper	276.28	48.65
23 33 13 23-0139 EA 44" x 14" Horizontally Mounted Backdraft Damper	269.18	53.47
23 33 13 23-0140 EA 44" x 16" Horizontally Mounted Backdraft Damper	299.29	58.45
23 33 13 23-0141 EA 44" x 18" Horizontally Mounted Backdraft Damper	314.79	58.45
23 33 13 23-0142 EA 44" x 20" Horizontally Mounted Backdraft Damper	344.89	63.26
23 33 13 23-0143 EA 44" x 24" Horizontally Mounted Backdraft Damper	367.92	73.06
23 33 13 23-0144 EA 44" x 28" Horizontally Mounted Backdraft Damper	407.31	77.87
23 33 13 23-0145 EA 44" x 32" Horizontally Mounted Backdraft Damper	446.72	82.70
23 33 13 23-0146 EA 44" x 36" Horizontally Mounted Backdraft Damper	458.23	87.51
23 33 13 23-0147 EA 44" x 40" Horizontally Mounted Backdraft Damper	494.53	92.48
23 33 13 23-0148 EA 44" x 44" Horizontally Mounted Backdraft Damper	516.23	92.48
23 33 13 23-0149 EA 44" x 48" Horizontally Mounted Backdraft Damper	515.35	97.31
23 33 13 23-0150 EA 44" x 50" Horizontally Mounted Backdraft Damper	524.63	97.31
23 33 13 23-0151 EA 48" x 6" Horizontally Mounted Backdraft Damper	219.36	34.04
23 33 13 23-0152 EA 48" x 8" Horizontally Mounted Backdraft Damper	211.55	38.86
23 33 13 23-0153 EA 48" x 10" Horizontally Mounted Backdraft Damper	249.83	43.83
23 33 13 23-0154 EA 48" x 12" Horizontally Mounted Backdraft Damper	247.52	48.65
23 33 13 23-0155 EA 48" x 14" Horizontally Mounted Backdraft Damper	279.04	53.47
23 33 13 23-0156 EA 48" x 16" Horizontally Mounted Backdraft Damper	310.57	58.45
23 33 13 23-0157 EA 48" x 18" Horizontally Mounted Backdraft Damper	342.08	63.26
23 33 13 23-0158 EA 48" x 20" Horizontally Mounted Backdraft Damper	339.79	68.09
23 33 13 23-0159 EA 48" x 24" Horizontally Mounted Backdraft Damper	381.44	73.06
23 33 13 23-0160 EA 48" x 28" Horizontally Mounted Backdraft Damper	437.71	82.70
23 33 13 23-0161 EA 48" x 32" Horizontally Mounted Backdraft Damper	452.33	87.51
23 33 13 23-0162 EA 48" x 36" Horizontally Mounted Backdraft Damper	490.60	92.48
23 33 13 23-0163 EA 48" x 40" Horizontally Mounted Backdraft Damper	514.27	92.48
23 33 13 23-0164 EA 48" x 44" Horizontally Mounted Backdraft Damper	515.35	97.31
23 33 13 23-0165 EA 48" x 48" Horizontally Mounted Backdraft Damper	550.23	102.12
23 33 13 23-0166 EA 48" x 50" Horizontally Mounted Backdraft Damper	560.38	102.12
23 33 13 23-0167 EA 50" x 6" Horizontally Mounted Backdraft Damper	224.23	34.04
23 33 13 23-0168 EA 50" x 8" Horizontally Mounted Backdraft Damper	230.11	43.83
23 33 13 23-0169 EA 50" x 10" Horizontally Mounted Backdraft Damper	269.38	48.65
23 33 13 23-0170 EA 50" x 12" Horizontally Mounted Backdraft Damper	266.36	53.47
23 33 13 23-0171 EA 50" x 14" Horizontally Mounted Backdraft Damper	298.59	58.45
23 33 13 23-0172 EA 50" x 16" Horizontally Mounted Backdraft Damper	330.80	63.26
23 33 13 23-0173 EA 50" x 18" Horizontally Mounted Backdraft Damper	363.02	68.09
23 33 13 23-0174 EA 50" x 20" Horizontally Mounted Backdraft Damper	360.02	73.06
23 33 13 23-0175 EA 50" x 24" Horizontally Mounted Backdraft Damper	402.80	77.87
23 33 13 23-0176 EA 50" x 28" Horizontally Mounted Backdraft Damper	445.59	82.70
23 33 13 23-0177 EA 50" x 32" Horizontally Mounted Backdraft Damper	460.21	87.51
23 33 13 23-0178 EA 50" x 36" Horizontally Mounted Backdraft Damper	499.47	92.48
23 33 13 23-0179 EA 50" x 40" Horizontally Mounted Backdraft Damper	503.52	97.31
23 33 13 23-0180 EA 50" x 44" Horizontally Mounted Backdraft Damper	524.63	97.31
23 33 13 23-0181 EA 50" x 48" Horizontally Mounted Backdraft Damper	560.38	102.12
23 33 13 23-0182 EA 50" x 50" Horizontally Mounted Backdraft Damper	570.94	102.12

23 33 13 23-0183

Vertically Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184 EA 6" x 6" Vertically Mounted Backdraft Damper	99.32	16.22
23 33 13 23-0185 EA 8" x 6" Vertically Mounted Backdraft Damper	118.42	16.95
23 33 13 23-0186 EA 10" x 6" Vertically Mounted Backdraft Damper	121.53	17.09
23 33 13 23-0187 EA 8" x 8" Vertically Mounted Backdraft Damper	126.22	17.09
23 33 13 23-0188 EA 12" x 6" Vertically Mounted Backdraft Damper	137.06	17.54
23 33 13 23-0189 EA 10" x 8" Vertically Mounted Backdraft Damper	152.30	19.44
23 33 13 23-0190 EA 14" x 6" Vertically Mounted Backdraft Damper	151.14	17.54
23 33 13 23-0191 EA 12" x 8" Vertically Mounted Backdraft Damper	171.07	19.44
23 33 13 23-0192 EA 16" x 6" Vertically Mounted Backdraft Damper	173.98	20.45
23 33 13 23-0193 EA 10" x 10" Vertically Mounted Backdraft Damper	183.06	21.92
23 33 13 23-0194 EA 18" x 6" Vertically Mounted Backdraft Damper	148.13	18.55
23 33 13 23-0195 EA 14" x 8" Vertically Mounted Backdraft Damper	157.41	20.45
23 33 13 23-0196 EA 12" x 10" Vertically Mounted Backdraft Damper	168.66	21.92

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0197 EA 20" x 6" Vertically Mounted Backdraft Damper	175.97	24.40
23 33 13 23-0198 EA 16" x 8" Vertically Mounted Backdraft Damper	190.12	26.73
23 33 13 23-0199 EA 14" x 10" Vertically Mounted Backdraft Damper	178.50	19.44
23 33 13 23-0200 EA 12" x 12" Vertically Mounted Backdraft Damper	189.24	21.92
23 33 13 23-0201 EA 18" x 8" Vertically Mounted Backdraft Damper	171.36	24.40
23 33 13 23-0202 EA 24" x 6" Vertically Mounted Backdraft Damper	171.36	24.40
23 33 13 23-0203 EA 16" x 10" Vertically Mounted Backdraft Damper	189.56	26.73
23 33 13 23-0204 EA 20" x 8" Vertically Mounted Backdraft Damper	196.87	29.22
23 33 13 23-0205 EA 14" x 12" Vertically Mounted Backdraft Damper	176.02	20.45
23 33 13 23-0206 EA 28" x 6" Vertically Mounted Backdraft Damper	180.41	21.92
23 33 13 23-0207 EA 18" x 10" Vertically Mounted Backdraft Damper	195.91	24.40
23 33 13 23-0208 EA 16" x 12" Vertically Mounted Backdraft Damper	211.40	26.73
23 33 13 23-0209 EA 24" x 8" Vertically Mounted Backdraft Damper	218.71	29.22
23 33 13 23-0210 EA 32" x 6" Vertically Mounted Backdraft Damper	226.00	31.56
23 33 13 23-0211 EA 14" x 14" Vertically Mounted Backdraft Damper	243.36	36.53
23 33 13 23-0212 EA 20" x 10" Vertically Mounted Backdraft Damper	243.91	38.86
23 33 13 23-0213 EA 18" x 12" Vertically Mounted Backdraft Damper	268.68	43.83
23 33 13 23-0214 EA 36" x 6" Vertically Mounted Backdraft Damper	202.94	21.92
23 33 13 23-0215 EA 16" x 14" Vertically Mounted Backdraft Damper	215.34	24.40
23 33 13 23-0216 EA 28" x 8" Vertically Mounted Backdraft Damper	222.64	26.73
23 33 13 23-0217 EA 20" x 12" Vertically Mounted Backdraft Damper	240.09	29.22
23 33 13 23-0218 EA 24" x 10" Vertically Mounted Backdraft Damper	247.38	31.56
23 33 13 23-0219 EA 40" x 6" Vertically Mounted Backdraft Damper	254.69	34.04
23 33 13 23-0220 EA 18" x 14" Vertically Mounted Backdraft Damper	276.94	38.86
23 33 13 23-0221 EA 16" x 16" Vertically Mounted Backdraft Damper	279.47	38.86
23 33 13 23-0222 EA 32" x 8" Vertically Mounted Backdraft Damper	294.08	43.83
23 33 13 23-0223 EA 44" x 6" Vertically Mounted Backdraft Damper	313.77	48.65
23 33 13 23-0224 EA 20" x 14" Vertically Mounted Backdraft Damper	338.56	53.47
23 33 13 23-0225 EA 28" x 10" Vertically Mounted Backdraft Damper	353.17	58.45
23 33 13 23-0226 EA 18" x 16" Vertically Mounted Backdraft Damper	255.98	24.40
23 33 13 23-0227 EA 24" x 12" Vertically Mounted Backdraft Damper	263.28	26.73
23 33 13 23-0228 EA 36" x 8" Vertically Mounted Backdraft Damper	270.59	29.22
23 33 13 23-0229 EA 48" x 6" Vertically Mounted Backdraft Damper	277.88	31.56
23 33 13 23-0230 EA 50" x 6" Vertically Mounted Backdraft Damper	300.12	36.53
23 33 13 23-0231 EA 20" x 16" Vertically Mounted Backdraft Damper	320.12	38.86
23 33 13 23-0232 EA 32" x 10" Vertically Mounted Backdraft Damper	334.73	43.83
23 33 13 23-0233 EA 40" x 8" Vertically Mounted Backdraft Damper	334.73	43.83
23 33 13 23-0234 EA 18" x 18" Vertically Mounted Backdraft Damper	308.69	48.65
23 33 13 23-0235 EA 24" x 14" Vertically Mounted Backdraft Damper	300.73	53.47
23 33 13 23-0236 EA 28" x 12" Vertically Mounted Backdraft Damper	315.34	58.45
23 33 13 23-0237 EA 44" x 8" Vertically Mounted Backdraft Damper	336.62	63.26
23 33 13 23-0238 EA 18" x 20" Vertically Mounted Backdraft Damper	354.57	68.09
23 33 13 23-0239 EA 20" x 18" Vertically Mounted Backdraft Damper	369.18	73.06
23 33 13 23-0240 EA 36" x 10" Vertically Mounted Backdraft Damper	369.18	73.06
23 33 13 23-0241 EA 24" x 16" Vertically Mounted Backdraft Damper	233.08	24.40
23 33 13 23-0242 EA 32" x 12" Vertically Mounted Backdraft Damper	240.38	26.73
23 33 13 23-0243 EA 48" x 8" Vertically Mounted Backdraft Damper	254.98	31.56
23 33 13 23-0244 EA 28" x 14" Vertically Mounted Backdraft Damper	272.93	36.53
23 33 13 23-0245 EA 20" x 20" Vertically Mounted Backdraft Damper	283.57	38.86
23 33 13 23-0246 EA 40" x 10" Vertically Mounted Backdraft Damper	298.18	43.83
23 33 13 23-0247 EA 50" x 8" Vertically Mounted Backdraft Damper	312.79	48.65
23 33 13 23-0248 EA 18" x 24" Vertically Mounted Backdraft Damper	326.12	48.65
23 33 13 23-0249 EA 24" x 18" Vertically Mounted Backdraft Damper	340.74	53.47
23 33 13 23-0250 EA 36" x 12" Vertically Mounted Backdraft Damper	355.35	58.45
23 33 13 23-0251 EA 44" x 10" Vertically Mounted Backdraft Damper	373.30	63.26
23 33 13 23-0252 EA 28" x 16" Vertically Mounted Backdraft Damper	405.85	73.06
23 33 13 23-0253 EA 32" x 14" Vertically Mounted Backdraft Damper	405.85	73.06
23 33 13 23-0254 EA 20" x 24" Vertically Mounted Backdraft Damper	435.46	77.87
23 33 13 23-0255 EA 24" x 20" Vertically Mounted Backdraft Damper	419.37	82.70
23 33 13 23-0256 EA 40" x 12" Vertically Mounted Backdraft Damper	419.37	82.70
23 33 13 23-0257 EA 48" x 10" Vertically Mounted Backdraft Damper	433.99	87.51
23 33 13 23-0258 EA 50" x 10" Vertically Mounted Backdraft Damper	441.11	87.51
23 33 13 23-0259 EA 28" x 18" Vertically Mounted Backdraft Damper	259.89	26.73
23 33 13 23-0260 EA 36" x 14" Vertically Mounted Backdraft Damper	274.49	31.56
23 33 13 23-0261 EA 32" x 16" Vertically Mounted Backdraft Damper	284.66	34.04
23 33 13 23-0262 EA 44" x 12" Vertically Mounted Backdraft Damper	304.95	38.86
23 33 13 23-0263 EA 20" x 28" Vertically Mounted Backdraft Damper	330.96	43.83
23 33 13 23-0264 EA 28" x 20" Vertically Mounted Backdraft Damper	345.57	48.65
23 33 13 23-0265 EA 40" x 14" Vertically Mounted Backdraft Damper	345.57	48.65
23 33 13 23-0266 EA 24" x 24" Vertically Mounted Backdraft Damper	365.89	53.47
23 33 13 23-0267 EA 32" x 18" Vertically Mounted Backdraft Damper	380.50	58.45
23 33 13 23-0268 EA 36" x 16" Vertically Mounted Backdraft Damper	395.11	63.26
23 33 13 23-0269 EA 48" x 12" Vertically Mounted Backdraft Damper	424.33	73.06
23 33 13 23-0270 EA 50" x 12" Vertically Mounted Backdraft Damper	432.89	73.06
23 33 13 23-0271 EA 44" x 14" Vertically Mounted Backdraft Damper	453.21	77.87
23 33 13 23-0272 EA 20" x 32" Vertically Mounted Backdraft Damper	476.36	82.70
23 33 13 23-0273 EA 32" x 20" Vertically Mounted Backdraft Damper	490.98	87.51
23 33 13 23-0274 EA 40" x 16" Vertically Mounted Backdraft Damper	490.98	87.51
23 33 13 23-0275 EA 36" x 18" Vertically Mounted Backdraft Damper	508.43	92.48
23 33 13 23-0276 EA 24" x 28" Vertically Mounted Backdraft Damper	518.41	92.48
23 33 13 23-0277 EA 28" x 24" Vertically Mounted Backdraft Damper	512.37	97.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0278 EA 48" x 14" Vertically Mounted Backdraft Damper	512.37	97.31
23 33 13 23-0279 EA 50" x 14" Vertically Mounted Backdraft Damper	536.15	102.12
23 33 13 23-0280 EA 44" x 16" Vertically Mounted Backdraft Damper	310.99	26.73
23 33 13 23-0281 EA 20" x 36" Vertically Mounted Backdraft Damper	338.15	34.04
23 33 13 23-0282 EA 36" x 20" Vertically Mounted Backdraft Damper	352.76	38.86
23 33 13 23-0283 EA 40" x 18" Vertically Mounted Backdraft Damper	367.37	43.83
23 33 13 23-0284 EA 24" x 32" Vertically Mounted Backdraft Damper	397.70	48.65
23 33 13 23-0285 EA 32" x 24" Vertically Mounted Backdraft Damper	397.70	48.65
23 33 13 23-0286 EA 48" x 16" Vertically Mounted Backdraft Damper	412.32	53.47
23 33 13 23-0287 EA 28" x 28" Vertically Mounted Backdraft Damper	432.18	58.45
23 33 13 23-0288 EA 44" x 18" Vertically Mounted Backdraft Damper	449.41	63.26
23 33 13 23-0289 EA 40" x 20" Vertically Mounted Backdraft Damper	481.24	73.06
23 33 13 23-0290 EA 50" x 16" Vertically Mounted Backdraft Damper	481.24	73.06
23 33 13 23-0291 EA 24" x 36" Vertically Mounted Backdraft Damper	516.82	77.87
23 33 13 23-0292 EA 36" x 24" Vertically Mounted Backdraft Damper	531.43	82.70
23 33 13 23-0293 EA 48" x 18" Vertically Mounted Backdraft Damper	546.05	87.51
23 33 13 23-0294 EA 44" x 20" Vertically Mounted Backdraft Damper	565.91	92.48
23 33 13 23-0295 EA 28" x 32" Vertically Mounted Backdraft Damper	571.16	92.48
23 33 13 23-0296 EA 32" x 28" Vertically Mounted Backdraft Damper	585.76	97.31
23 33 13 23-0297 EA 50" x 18" Vertically Mounted Backdraft Damper	587.05	97.31
23 33 13 23-0298 EA 24" x 40" Vertically Mounted Backdraft Damper	621.32	102.12
23 33 13 23-0299 EA 40" x 24" Vertically Mounted Backdraft Damper	621.32	102.12
23 33 13 23-0300 EA 48" x 20" Vertically Mounted Backdraft Damper	621.32	102.12
23 33 13 23-0301 EA 50" x 20" Vertically Mounted Backdraft Damper	415.28	29.22
23 33 13 23-0302 EA 28" x 36" Vertically Mounted Backdraft Damper	439.80	36.53
23 33 13 23-0303 EA 36" x 28" Vertically Mounted Backdraft Damper	447.10	38.86
23 33 13 23-0304 EA 32" x 32" Vertically Mounted Backdraft Damper	466.96	43.83
23 33 13 23-0305 EA 24" x 44" Vertically Mounted Backdraft Damper	454.65	48.65
23 33 13 23-0306 EA 44" x 24" Vertically Mounted Backdraft Damper	469.27	53.47
23 33 13 23-0307 EA 28" x 40" Vertically Mounted Backdraft Damper	502.57	58.45
23 33 13 23-0308 EA 40" x 28" Vertically Mounted Backdraft Damper	517.18	63.26
23 33 13 23-0309 EA 24" x 48" Vertically Mounted Backdraft Damper	541.15	68.09
23 33 13 23-0310 EA 32" x 36" Vertically Mounted Backdraft Damper	555.76	73.06
23 33 13 23-0311 EA 36" x 32" Vertically Mounted Backdraft Damper	570.37	77.87
23 33 13 23-0312 EA 48" x 24" Vertically Mounted Backdraft Damper	584.98	82.70
23 33 13 23-0313 EA 50" x 24" Vertically Mounted Backdraft Damper	613.62	87.51
23 33 13 23-0314 EA 28" x 44" Vertically Mounted Backdraft Damper	637.57	92.48
23 33 13 23-0315 EA 44" x 28" Vertically Mounted Backdraft Damper	637.57	92.48
23 33 13 23-0316 EA 32" x 40" Vertically Mounted Backdraft Damper	666.21	97.31
23 33 13 23-0317 EA 40" x 32" Vertically Mounted Backdraft Damper	468.96	31.56
23 33 13 23-0318 EA 36" x 36" Vertically Mounted Backdraft Damper	495.55	38.86
23 33 13 23-0319 EA 28" x 48" Vertically Mounted Backdraft Damper	524.18	43.83
23 33 13 23-0320 EA 48" x 28" Vertically Mounted Backdraft Damper	538.79	48.65
23 33 13 23-0321 EA 50" x 28" Vertically Mounted Backdraft Damper	569.77	53.47
23 33 13 23-0322 EA 32" x 44" Vertically Mounted Backdraft Damper	586.72	58.45
23 33 13 23-0323 EA 44" x 32" Vertically Mounted Backdraft Damper	586.72	58.45
23 33 13 23-0324 EA 36" x 40" Vertically Mounted Backdraft Damper	611.85	63.26
23 33 13 23-0325 EA 40" x 36" Vertically Mounted Backdraft Damper	597.83	73.06
23 33 13 23-0326 EA 28" x 52" Vertically Mounted Backdraft Damper	616.64	77.87
23 33 13 23-0327 EA 32" x 48" Vertically Mounted Backdraft Damper	652.28	82.70
23 33 13 23-0328 EA 48" x 32" Vertically Mounted Backdraft Damper	666.90	87.51
23 33 13 23-0329 EA 28" x 56" Vertically Mounted Backdraft Damper	689.93	92.48
23 33 13 23-0330 EA 36" x 44" Vertically Mounted Backdraft Damper	694.15	92.48
23 33 13 23-0331 EA 44" x 36" Vertically Mounted Backdraft Damper	708.75	97.31
23 33 13 23-0332 EA 40" x 40" Vertically Mounted Backdraft Damper	712.95	97.31
23 33 13 23-0333 EA 50" x 32" Vertically Mounted Backdraft Damper	523.01	34.04
23 33 13 23-0334 EA 32" x 52" Vertically Mounted Backdraft Damper	554.45	38.86
23 33 13 23-0335 EA 28" x 60" Vertically Mounted Backdraft Damper	573.26	43.83
23 33 13 23-0336 EA 36" x 48" Vertically Mounted Backdraft Damper	600.51	48.65
23 33 13 23-0337 EA 48" x 36" Vertically Mounted Backdraft Damper	615.13	53.47
23 33 13 23-0338 EA 40" x 44" Vertically Mounted Backdraft Damper	638.16	58.45
23 33 13 23-0339 EA 44" x 40" Vertically Mounted Backdraft Damper	652.77	63.26
23 33 13 23-0340 EA 32" x 56" Vertically Mounted Backdraft Damper	675.77	68.09
23 33 13 23-0341 EA 50" x 36" Vertically Mounted Backdraft Damper	639.90	73.06
23 33 13 23-0342 EA 36" x 52" Vertically Mounted Backdraft Damper	685.95	82.70
23 33 13 23-0343 EA 32" x 60" Vertically Mounted Backdraft Damper	711.79	87.51
23 33 13 23-0344 EA 40" x 48" Vertically Mounted Backdraft Damper	726.40	92.48
23 33 13 23-0345 EA 48" x 40" Vertically Mounted Backdraft Damper	726.40	92.48
23 33 13 23-0346 EA 44" x 44" Vertically Mounted Backdraft Damper	744.75	97.31
23 33 13 23-0347 EA 40" x 50" Vertically Mounted Backdraft Damper	774.32	102.12
23 33 13 23-0348 EA 50" x 40" Vertically Mounted Backdraft Damper	774.32	102.12
23 33 13 23-0349 EA 36" x 56" Vertically Mounted Backdraft Damper	573.49	34.04
23 33 13 23-0350 EA 32" x 64" Vertically Mounted Backdraft Damper	610.21	43.83
23 33 13 23-0351 EA 44" x 48" Vertically Mounted Backdraft Damper	639.78	48.65
23 33 13 23-0352 EA 48" x 44" Vertically Mounted Backdraft Damper	654.40	53.47
23 33 13 23-0353 EA 36" x 60" Vertically Mounted Backdraft Damper	680.22	58.45
23 33 13 23-0354 EA 32" x 68" Vertically Mounted Backdraft Damper	698.58	63.26
23 33 13 23-0355 EA 44" x 50" Vertically Mounted Backdraft Damper	654.51	68.09
23 33 13 23-0356 EA 50" x 44" Vertically Mounted Backdraft Damper	669.12	73.06
23 33 13 23-0357 EA 32" x 72" Vertically Mounted Backdraft Damper	704.99	77.87
23 33 13 23-0358 EA 36" x 64" Vertically Mounted Backdraft Damper	719.60	82.70

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0359 EA 48" x 48" Vertically Mounted Backdraft Damper	734.22	87.51
23 33 13 23-0360 EA 48" x 50" Vertically Mounted Backdraft Damper	768.47	92.48
23 33 13 23-0361 EA 50" x 48" Vertically Mounted Backdraft Damper	783.07	97.31
23 33 13 23-0362 EA 36" x 68" Vertically Mounted Backdraft Damper	792.89	97.31
23 33 13 23-0363 EA 50" x 50" Vertically Mounted Backdraft Damper	818.14	102.12
23 33 13 23-0364 EA 36" x 72" Vertically Mounted Backdraft Damper	836.95	102.12
23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)		
23 33 13 23-0366 EA For Motor Pack For Horizontally Mounted Backdraft Damper.....	224.29	37.03
23 33 13 23-0367 EA For Motor Pack For Vertically Mounted Backdraft Damper.....	362.18	37.03
23 33 13 33 Splitter Damper Hardware (23 33 13)		
23 33 13 33-0001 EA Splitter Damper, Hardware.....	48.97	10.22
23 33 13 43 Blower Check Valve (23 33 13)		
23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)		
23 33 13 43-0002 EA 2-1/2" Blower Check Valves, Silicone Seals	232.42	37.69
23 33 13 43-0003 EA 3" Blower Check Valves, Silicone Seals	260.05	42.95
23 33 13 43-0004 EA 4" Blower Check Valves, Silicone Seals	335.13	56.98
23 33 13 43-0005 EA 5" Blower Check Valves, Silicone Seals	455.05	65.75
23 33 13 43-0006 EA 6" Blower Check Valves, Silicone Seals	513.10	78.90
23 33 13 43-0007 EA 8" Blower Check Valves, Silicone Seals	753.90	99.93
23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)		
23 33 13 43-0009 EA 2-1/2" Blower Check Valves, Viton Seats	312.50	37.69
23 33 13 43-0010 EA 3" Blower Check Valves, Viton Seats.....	355.23	42.95
23 33 13 43-0011 EA 4" Blower Check Valves, Viton Seats.....	401.40	56.98
23 33 13 43-0012 EA 5" Blower Check Valves, Viton Seats.....	554.27	65.75
23 33 13 43-0013 EA 6" Blower Check Valves, Viton Seats.....	622.62	78.90
23 33 13 43-0014 EA 8" Blower Check Valves, Viton Seats.....	947.64	99.93
23 33 19 Duct Silencers (23 33)		
23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0002 EA 12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	404.80	59.83
23 33 19 00-0003 EA 12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	484.75	68.58
23 33 19 00-0004 EA 12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	621.35	78.80
23 33 19 00-0005 EA 12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	750.38	89.02
23 33 19 00-0006 EA 24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	699.09	89.02
23 33 19 00-0007 EA 24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	879.32	93.39
23 33 19 00-0008 EA 24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	968.47	99.22
23 33 19 00-0009 EA 24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,060.55	105.07
23 33 19 00-0010 EA 24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,377.10	119.66
23 33 19 00-0011 EA 36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	877.92	99.22
23 33 19 00-0012 EA 36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,174.86	119.66
23 33 19 00-0013 EA 36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,044.28	160.51
23 33 19 00-0014 EA 36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,255.21	169.27
23 33 19 00-0015 EA 48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,513.59	182.40
23 33 19 00-0016 EA 48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,818.39	198.45
23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0018 EA 12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	451.31	131.33
23 33 19 00-0019 EA 12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	542.10	151.76
23 33 19 00-0020 EA 12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	696.66	175.10
23 33 19 00-0021 EA 12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	841.39	196.99
23 33 19 00-0022 EA 24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	783.08	196.99
23 33 19 00-0023 EA 24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	989.77	208.66
23 33 19 00-0024 EA 24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,086.08	218.88
23 33 19 00-0025 EA 24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,184.58	230.55
23 33 19 00-0026 EA 24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,547.52	262.65
23 33 19 00-0027 EA 36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	983.18	218.88
23 33 19 00-0028 EA 36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,317.69	262.65
23 33 19 00-0029 EA 36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,286.25	345.83
23 33 19 00-0030 EA 36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,547.89	375.02
23 33 19 00-0031 EA 48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,823.19	398.36
23 33 19 00-0032 EA 48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	3,173.77	437.77
23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0034 EA 6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	386.96	109.44
23 33 19 00-0035 EA 6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	654.19	163.43
23 33 19 00-0036 EA 6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	916.63	239.31
23 33 19 00-0037 EA 12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	516.49	131.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 19 00-0038 EA 12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	638.14	151.76
23 33 19 00-0039 EA 12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	854.45	175.10
23 33 19 00-0040 EA 12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,002.95	188.24
23 33 19 00-0041 EA 12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,093.55	202.83
23 33 19 00-0042 EA 12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,363.93	218.88
23 33 19 00-0043 EA 12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,606.10	239.31
23 33 19 00-0044 EA 24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	949.49	202.83
23 33 19 00-0045 EA 24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,325.78	211.58
23 33 19 00-0046 EA 24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,442.83	218.88
23 33 19 00-0047 EA 24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,568.76	230.55
23 33 19 00-0048 EA 24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,953.41	248.07
23 33 19 00-0049 EA 24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,116.93	262.65

23 33 23 Turning Vanes (23 33)

23 33 23 00-0001 Duct Turning Vane Components (23 33 23)

23 33 23 00-0002 LF Duct Turning Vane Rail.....	13.54	3.65
<i>For Stainless Steel, Add</i>	7.76	
23 33 23 00-0003 LF Double Thick Factory Fabricated, Duct Turning Vane.....	12.02	1.46
<i>For Stainless Steel, Add</i>	11.69	

23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005 LF 12" High Duct Turning Vanes, Sets.....	48.13	5.47
<i>For Stainless Steel, Add</i>	53.68	
23 33 23 00-0006 LF 14" High Duct Turning Vanes, Sets.....	59.52	5.83
<i>For Stainless Steel, Add</i>	67.90	
23 33 23 00-0007 LF 16" High Duct Turning Vanes, Sets.....	80.84	6.12
<i>For Stainless Steel, Add</i>	95.06	
23 33 23 00-0008 LF 18" High Duct Turning Vanes, Sets.....	102.23	6.57
<i>For Stainless Steel, Add</i>	122.23	
23 33 23 00-0009 LF 20" High Duct Turning Vanes, Sets.....	113.21	7.00
<i>For Stainless Steel, Add</i>	135.79	
23 33 23 00-0010 LF 22" High Duct Turning Vanes, Sets.....	144.01	6.57
<i>For Stainless Steel, Add</i>	176.55	
23 33 23 00-0011 LF 24" High Duct Turning Vanes, Sets.....	176.87	7.73
<i>For Stainless Steel, Add</i>	217.28	
23 33 23 00-0012 LF 26" High Duct Turning Vanes, Sets.....	189.82	8.09
<i>For Stainless Steel, Add</i>	233.64	
23 33 23 00-0013 LF 30" High Duct Turning Vanes, Sets.....	211.80	8.41
<i>For Stainless Steel, Add</i>	261.68	

23 33 33 Duct-Mounting Access Doors (23 33)

23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication (23 33 33)

23 33 33 00-0002 EA 6" x 6" Duct Access Doors Insulated Factory Fabrication.....	115.16	20.43
<i>For Stainless Steel, Add</i>	66.16	
23 33 33 00-0003 EA 10" x 10" Duct Access Doors Insulated Factory Fabrication.....	122.11	20.43
<i>For Stainless Steel, Add</i>	80.06	
23 33 33 00-0004 EA 12" x 12" Duct Access Doors Insulated Factory Fabrication.....	125.51	20.43
<i>For Stainless Steel, Add</i>	86.86	
23 33 33 00-0005 EA 12" x 18" Duct Access Doors Insulated Factory Fabrication.....	162.25	24.81
<i>For Stainless Steel, Add</i>	122.46	
23 33 33 00-0006 EA 16" x 12" Duct Access Doors Insulated Factory Fabrication.....	163.63	24.81
<i>For Stainless Steel, Add</i>	125.22	
23 33 33 00-0007 EA 18" x 18" Duct Access Doors Insulated Factory Fabrication.....	203.39	33.56
<i>For Stainless Steel, Add</i>	144.12	
23 33 33 00-0008 EA 24" x 18" Duct Access Doors Insulated Factory Fabrication.....	241.76	40.86
<i>For Stainless Steel, Add</i>	155.20	
23 33 33 00-0009 EA 24" x 24" Duct Access Doors Insulated Factory Fabrication.....	314.16	55.44
<i>For Stainless Steel, Add</i>	190.56	

23 33 43 Flexible Connectors (23 33)

23 33 43 00-0001 LF 6-1/2" Width, Galvanized Steel, Flexible Duct Connector.....	18.15	4.37
23 33 43 00-0002 LF 5-3/4" Width, Vinyl/Steel, Flexible Duct Connector.....	18.57	3.94

23 33 46 Flexible Ducts (23 33)

23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket (23 33 46)

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

23 33 46 00-0002 LF 4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	9.65	1.46
23 33 46 00-0003 LF 5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	10.68	2.92
23 33 46 00-0004 LF 6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	12.06	2.92
23 33 46 00-0005 LF 7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	14.02	2.92
23 33 46 00-0006 LF 8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	16.53	4.37
23 33 46 00-0007 LF 10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	21.36	4.37
23 33 46 00-0008 LF 12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	28.79	5.83

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0009 LF 14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	35.84	5.83
23 33 46 00-0010 LF 16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	46.90	7.29
23 33 46 00-0011 LF 18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	57.04	9.48
23 33 46 00-0012 LF 20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	66.66	10.22
23 33 46 00-0013 Collars, Sheet Metal Spin-In Type With Damper (23 33 46)		
23 33 46 00-0014 EA Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	57.14	8.76
<i>For Stainless Steel, Add</i>	31.59	
23 33 46 00-0015 EA 5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	62.14	10.22
<i>For Stainless Steel, Add</i>	32.01	
23 33 46 00-0016 EA 6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	70.93	10.22
<i>For Stainless Steel, Add</i>	35.30	
23 33 46 00-0017 EA 7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	80.55	13.13
<i>For Stainless Steel, Add</i>	36.43	
23 33 46 00-0018 EA 8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	97.31	16.05
<i>For Stainless Steel, Add</i>	41.15	
23 33 46 00-0019 EA 10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	114.07	18.97
<i>For Stainless Steel, Add</i>	50.73	
23 33 46 00-0020 EA 12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	129.60	21.88
<i>For Stainless Steel, Add</i>	54.65	
23 33 46 00-0021 EA 14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	153.32	24.81
<i>For Stainless Steel, Add</i>	68.43	
23 33 46 00-0022 EA 16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	167.03	27.73
<i>For Stainless Steel, Add</i>	74.87	
23 33 53 Duct Liners (23 33)		
23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)		
23 33 53 00-0002 SF 1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	15.60	4.11
23 33 53 00-0003 SF 3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	17.04	4.11
23 33 53 00-0004 SF 1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	18.94	5.49
23 33 53 00-0005 SF 1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	23.22	5.49
23 33 53 00-0006 SF 2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	28.01	6.18
23 33 53 00-0007 SF 1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	14.65	4.37
23 33 53 00-0008 SF 3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	16.01	4.37
23 33 53 00-0009 SF 1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	17.85	5.83
23 33 53 00-0010 SF 1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	21.76	5.83
23 33 53 00-0011 SF 2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	26.35	6.57
23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)		
23 33 53 00-0013 SF 1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	3.28	3.50
23 33 53 00-0014 SF 1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket	3.63	3.94
23 33 53 00-0015 SF 1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	4.82	3.94
23 33 53 00-0016 SF 1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket.....	6.28	3.94
23 33 53 00-0017 SF 1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket.....	5.20	4.37
23 33 53 00-0018 SF 2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket	5.51	4.82
23 33 53 00-0019 SF 2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket	8.67	4.82
23 33 56 Duct Air Extractors (23 33)		
23 33 56 00-0001 EA 12" x 4" Duct Air Extractor.....	63.47	24.08
<i>For Stainless Steel, Add</i>	19.92	
23 33 56 00-0002 EA 8" x 6" Duct Air Extractor.....	67.85	26.27
<i>For Stainless Steel, Add</i>	19.92	
23 33 56 00-0003 EA 12" x 6" Duct Air Extractor.....	76.64	27.73
<i>For Stainless Steel, Add</i>	27.56	
23 33 56 00-0004 EA 16" x 6" Duct Air Extractor.....	85.26	29.19
<i>For Stainless Steel, Add</i>	34.96	
23 33 56 00-0005 EA 24" x 6" Duct Air Extractor.....	108.60	32.10
<i>For Stainless Steel, Add</i>	57.72	
23 33 56 00-0006 EA 12" x 8" Duct Air Extractor.....	82.14	29.19
<i>For Stainless Steel, Add</i>	30.90	
23 33 56 00-0007 EA 20" x 8" Duct Air Extractor.....	107.35	36.48
<i>For Stainless Steel, Add</i>	44.72	
23 33 56 00-0008 EA 18" x 10" Duct Air Extractor.....	116.94	41.58
<i>For Stainless Steel, Add</i>	43.90	
23 33 56 00-0009 EA 24" x 10" Duct Air Extractor.....	141.55	48.87
<i>For Stainless Steel, Add</i>	56.91	
23 33 56 00-0010 EA 24" x 12" Duct Air Extractor.....	163.64	58.37
<i>For Stainless Steel, Add</i>	60.98	
23 33 56 00-0011 EA 30" x 12" Duct Air Extractor.....	204.71	72.96
<i>For Stainless Steel, Add</i>	76.43	
23 33 59 Duct Pressure Relief Doors (23 33)		
23 33 59 00-0001 Duct Pressure Relief Doors (23 33 59)		
23 33 59 00-0002 EA 18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	1,231.32	43.78
23 33 59 00-0003 EA 24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	1,012.02	36.48



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

23 33 59 00-0004 EA 24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	1,005.49	40.13
--	----------	-------

23 34 HVAC Fans (23 30)

23 34 13 Axial HVAC Fans (23 34)

23 34 13 00-0001 Tube-Axial Fans (23 34 13)

23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans (23 34 13 00-0001)

23 34 13 00-0003 EA 12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	2,012.84	448.00
<i>For 1/4" Static Pressure, Add</i>	89.28	
<i>For 3/8" Static Pressure, Add</i>	178.55	
<i>For 1/2" Static Pressure, Add</i>	245.51	
23 34 13 00-0004 EA 12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	2,092.55	449.33
<i>For 1/4" Static Pressure, Add</i>	95.65	
<i>For 3/8" Static Pressure, Add</i>	191.31	
<i>For 1/2" Static Pressure, Add</i>	263.05	
23 34 13 00-0005 EA 16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	2,251.97	448.00
<i>For 1/4" Static Pressure, Add</i>	108.41	
<i>For 3/8" Static Pressure, Add</i>	216.81	
<i>For 1/2" Static Pressure, Add</i>	298.12	
23 34 13 00-0006 EA 20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	2,411.40	449.33
<i>For 1/4" Static Pressure, Add</i>	121.16	
<i>For 3/8" Static Pressure, Add</i>	242.32	
<i>For 1/2" Static Pressure, Add</i>	333.19	
23 34 13 00-0007 EA 22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	2,829.90	538.14
<i>For 1/4" Static Pressure, Add</i>	140.29	
<i>For 3/8" Static Pressure, Add</i>	280.58	
<i>For 1/2" Static Pressure, Add</i>	385.80	
23 34 13 00-0008 EA 24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	3,242.33	585.22
<i>For 1/4" Static Pressure, Add</i>	165.80	
<i>For 3/8" Static Pressure, Add</i>	331.60	
<i>For 1/2" Static Pressure, Add</i>	455.95	
23 34 13 00-0009 EA 24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	3,433.46	640.38
<i>For 1/4" Static Pressure, Add</i>	172.18	
<i>For 3/8" Static Pressure, Add</i>	344.35	
<i>For 1/2" Static Pressure, Add</i>	473.48	
23 34 13 00-0010 EA 30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	3,896.08	672.66
<i>For 1/4" Static Pressure, Add</i>	204.06	
<i>For 3/8" Static Pressure, Add</i>	408.12	
<i>For 1/2" Static Pressure, Add</i>	561.17	
23 34 13 00-0011 EA 30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	4,710.67	840.82
<i>For 1/4" Static Pressure, Add</i>	242.32	
<i>For 3/8" Static Pressure, Add</i>	484.64	
<i>For 1/2" Static Pressure, Add</i>	666.38	
23 34 13 00-0012 EA 36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	5,301.05	897.33
<i>For 1/4" Static Pressure, Add</i>	280.58	
<i>For 3/8" Static Pressure, Add</i>	561.16	
<i>For 1/2" Static Pressure, Add</i>	771.60	
23 34 13 00-0013 EA 36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	6,214.70	1,034.55
<i>For 1/4" Static Pressure, Add</i>	331.60	
<i>For 3/8" Static Pressure, Add</i>	663.19	
<i>For 1/2" Static Pressure, Add</i>	911.89	

23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)

23 34 13 00-0015 EA 15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,911.97	434.54
<i>For 1/4" Static Pressure, Add</i>	83.52	
<i>For 3/8" Static Pressure, Add</i>	167.04	
<i>For 1/2" Static Pressure, Add</i>	229.68	
23 34 13 00-0016 EA 15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	2,023.33	449.33
<i>For 1/4" Static Pressure, Add</i>	90.12	
<i>For 3/8" Static Pressure, Add</i>	180.23	
<i>For 1/2" Static Pressure, Add</i>	247.82	
23 34 13 00-0017 EA 18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	2,090.88	464.13
<i>For 1/4" Static Pressure, Add</i>	93.05	
<i>For 3/8" Static Pressure, Add</i>	186.09	
<i>For 1/2" Static Pressure, Add</i>	255.88	
23 34 13 00-0018 EA 18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	2,209.49	480.28
<i>For 1/4" Static Pressure, Add</i>	99.88	
<i>For 3/8" Static Pressure, Add</i>	199.77	
<i>For 1/2" Static Pressure, Add</i>	274.68	
23 34 13 00-0019 EA 18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	2,477.08	499.11
<i>For 1/4" Static Pressure, Add</i>	118.44	
<i>For 3/8" Static Pressure, Add</i>	236.89	
<i>For 1/2" Static Pressure, Add</i>	325.72	
23 34 13 00-0020 EA 24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	2,610.04	517.95
<i>For 1/4" Static Pressure, Add</i>	126.01	
<i>For 3/8" Static Pressure, Add</i>	252.03	
<i>For 1/2" Static Pressure, Add</i>	346.54	
23 34 13 00-0021 EA 24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	2,907.86	538.14
<i>For 1/4" Static Pressure, Add</i>	146.53	
<i>For 3/8" Static Pressure, Add</i>	293.06	
<i>For 1/2" Static Pressure, Add</i>	402.95	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0022 EA 24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	3,256.84	538.14
For 1/4" Static Pressure, Add	174.58	
For 3/8" Static Pressure, Add	349.17	
For 1/2" Static Pressure, Add	480.11	
23 34 13 00-0023 EA 30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	3,762.59	585.22
For 1/4" Static Pressure, Add	207.58	
For 3/8" Static Pressure, Add	415.16	
For 1/2" Static Pressure, Add	570.85	
23 34 13 00-0024 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	4,465.82	708.99
For 1/4" Static Pressure, Add	244.21	
For 3/8" Static Pressure, Add	488.43	
For 1/2" Static Pressure, Add	671.59	
23 34 13 00-0025 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	5,056.28	708.99
For 1/4" Static Pressure, Add	290.97	
For 3/8" Static Pressure, Add	581.95	
For 1/2" Static Pressure, Add	800.18	
23 34 13 00-0026 EA 36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	5,555.97	748.00
For 1/4" Static Pressure, Add	324.89	
For 3/8" Static Pressure, Add	649.79	
For 1/2" Static Pressure, Add	893.46	
23 34 13 00-0027 EA 36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	6,060.30	791.06
For 1/4" Static Pressure, Add	358.50	
For 3/8" Static Pressure, Add	717.00	
For 1/2" Static Pressure, Add	985.88	
23 34 13 00-0028 EA 36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	6,947.67	1,034.55
For 1/4" Static Pressure, Add	390.74	
For 3/8" Static Pressure, Add	781.48	
For 1/2" Static Pressure, Add	1,074.54	
23 34 13 00-0029 EA 36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	7,882.85	1,035.90
For 1/4" Static Pressure, Add	465.56	
For 3/8" Static Pressure, Add	931.11	
For 1/2" Static Pressure, Add	1,280.28	
23 34 13 00-0030 EA 42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	8,921.25	1,222.63
For 1/4" Static Pressure, Add	518.73	
For 3/8" Static Pressure, Add	1,037.45	
For 1/2" Static Pressure, Add	1,426.50	
23 34 16 Centrifugal HVAC Fans (23 34)		
23 34 16 00-0001 Centrifugal Fans (23 34 16) Note: All belt fans to be supplied with belt guard.		
23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001) Note: V-belt driven.		
23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002) Note: Under 30" diameter wheel.		
23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0005 EA 1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,253.49	295.57
23 34 16 00-0006 EA 1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,753.29	306.73
23 34 16 00-0007 EA 1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,806.97	244.45
23 34 16 00-0008 EA 1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,886.25	334.98
23 34 16 00-0009 EA 3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,937.08	355.16
23 34 16 00-0010 EA 1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,000.34	369.96
23 34 16 00-0011 EA 1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,067.59	394.19
23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0013 EA 1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,010.12	322.88
23 34 16 00-0014 EA 1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,048.86	334.98
23 34 16 00-0015 EA 1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,119.88	355.16
23 34 16 00-0016 EA 3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,162.57	369.96
23 34 16 00-0017 EA 1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,240.51	394.19
23 34 16 00-0018 EA 1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,315.63	413.02
23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0020 EA 1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,028.58	334.98
23 34 16 00-0021 EA 1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,079.33	355.16
23 34 16 00-0022 EA 1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,142.29	369.96
23 34 16 00-0023 EA 3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,199.94	394.19
23 34 16 00-0024 EA 1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,268.32	413.02
23 34 16 00-0025 EA 1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,365.93	443.95
23 34 16 00-0026 EA 2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,441.89	466.83
23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0028 EA 1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,312.53	355.16
23 34 16 00-0029 EA 1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,396.56	369.96
23 34 16 00-0030 EA 1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,492.75	394.19
23 34 16 00-0031 EA 3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,545.37	413.02



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 34 16 00-0032	EA 1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,617.12	443.95
	23 34 16 00-0033	EA 1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,677.35	466.83
	23 34 16 00-0034	EA 2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,969.00	507.19
23 34 16 00-0035		18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
	23 34 16 00-0036	EA 1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,390.71	369.96
	23 34 16 00-0037	EA 1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,453.42	394.19
	23 34 16 00-0038	EA 1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,531.94	413.02
	23 34 16 00-0039	EA 3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,599.15	443.95
	23 34 16 00-0040	EA 1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,685.24	466.83
	23 34 16 00-0041	EA 1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,816.91	507.19
	23 34 16 00-0042	EA 2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,904.07	538.14
	23 34 16 00-0043	EA 3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,036.88	591.95
23 34 16 00-0044		20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
	23 34 16 00-0045	EA 1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,423.01	394.19
	23 34 16 00-0046	EA 1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,501.51	413.02
	23 34 16 00-0047	EA 1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,599.15	443.95
	23 34 16 00-0048	EA 3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,685.24	466.83
	23 34 16 00-0049	EA 1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,847.32	507.19
	23 34 16 00-0050	EA 1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,064.84	538.14
	23 34 16 00-0051	EA 2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,228.96	591.95
	23 34 16 00-0052	EA 3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,394.42	633.65
23 34 16 00-0053		22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
	23 34 16 00-0054	EA 1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,890.19	413.02
	23 34 16 00-0055	EA 1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,952.64	443.95
	23 34 16 00-0056	EA 1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,031.67	466.83
	23 34 16 00-0057	EA 3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,134.61	507.19
	23 34 16 00-0058	EA 1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,263.15	538.14
	23 34 16 00-0059	EA 1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,321.89	591.95
	23 34 16 00-0060	EA 2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,414.69	633.65
	23 34 16 00-0061	EA 3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,580.69	710.33
23 34 16 00-0062		24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
	23 34 16 00-0063	EA 1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,457.62	443.95
	23 34 16 00-0064	EA 1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,587.50	507.19
	23 34 16 00-0065	EA 3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,705.08	538.14
	23 34 16 00-0066	EA 1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,837.32	591.95
	23 34 16 00-0067	EA 1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,952.08	633.65
	23 34 16 00-0068	EA 2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,067.39	710.33
	23 34 16 00-0069	EA 3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,211.67	772.21
	23 34 16 00-0070	EA 5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,539.24	887.92
23 34 16 00-0071		27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
	23 34 16 00-0072	EA 1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,822.55	466.83
	23 34 16 00-0073	EA 1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,958.57	538.14
	23 34 16 00-0074	EA 3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,090.80	591.95
	23 34 16 00-0075	EA 1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,205.57	633.65
	23 34 16 00-0076	EA 1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,371.56	710.33
	23 34 16 00-0077	EA 2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,515.55	772.21
	23 34 16 00-0078	EA 3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,864.66	887.92
	23 34 16 00-0079	EA 5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,942.21	986.12
23 34 16 00-0080		Large Industrial Type Utility Backward Centrifugal Fans <small>(23 34 16 00-0002)</small>		
		Note: Over 30" diameter wheel.		
23 34 16 00-0081		30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure <small>(23 34 16 00-0080)</small>		
	23 34 16 00-0082	EA 1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,332.89	591.95
	23 34 16 00-0083	EA 3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,443.66	633.65
	23 34 16 00-0084	EA 1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,618.72	710.33
	23 34 16 00-0085	EA 1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,772.83	772.21
	23 34 16 00-0086	EA 2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,009.46	887.92
	23 34 16 00-0087	EA 3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,219.77	986.12
	23 34 16 00-0088	EA 5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,579.58	1,183.88
	23 34 16 00-0089	EA 7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,910.03	1,365.51
23 34 16 00-0090		33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure <small>(23 34 16 00-0080)</small>		
	23 34 16 00-0091	EA 1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,233.46	633.65
	23 34 16 00-0092	EA 3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,450.15	710.33
	23 34 16 00-0093	EA 1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,645.14	772.21
	23 34 16 00-0094	EA 1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,922.02	887.92

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0095	EA		2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,172.90	986.12
23 34 16 00-0096	EA		3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,573.24	1,183.88
23 34 16 00-0097	EA		5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	8,006.62	1,365.51
23 34 16 00-0098	EA		7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,672.93	1,775.83
23 34 16 00-0099			36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0100	EA		1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,665.13	710.33
23 34 16 00-0101	EA		3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,866.18	772.21
23 34 16 00-0102	EA		1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,477.65	887.92
23 34 16 00-0103	EA		1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,896.85	986.12
23 34 16 00-0104	EA		2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,439.39	1,183.88
23 34 16 00-0105	EA		3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,866.39	1,365.51
23 34 16 00-0106	EA		5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,772.17	1,775.83
23 34 16 00-0107	EA		7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,565.96	2,219.79
23 34 16 00-0108			Kitchen System Fans (23 34 16 00-0001)		
23 34 16 00-0109			Upblast Kitchen Exhaust Fans (23 34 16 00-0108)		
23 34 16 00-0110			Direct Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)		
			Note: Greenheck CUE.		
23 34 16 00-0111	EA		Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan.....	1,221.12	174.89
			Note: 115V. For roof or wall installations. Includes disconnect switch.		
			For Bird Screen, Add	49.37	
			For Backdraft Damper, Add	137.99	
			For Damper Motor, Add	217.38	
23 34 16 00-0112	EA		14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,417.26	174.89
			Note: 115V. For roof or wall installations. Includes disconnect switch.		
			For Bird Screen, Add	49.37	
			For Backdraft Damper, Add	137.99	
			For Damper Motor, Add	217.38	
23 34 16 00-0113			Belt Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)		
			Note: Greenheck CUBE.		
23 34 16 00-0114	EA		10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,036.97	174.89
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	49.37	
			For Wall Mounted Fan, Add	81.48	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	143.41	
			For Backdraft Damper, Add	137.99	
			For Damper Motor, Add	217.38	
23 34 16 00-0115	EA		12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,122.09	174.89
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	49.37	
			For Wall Mounted Fan, Add	84.88	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	150.65	
			For Backdraft Damper, Add	137.99	
			For Damper Motor, Add	217.38	
23 34 16 00-0116	EA		14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,847.32	201.80
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	56.18	
			For Wall Mounted Fan, Add	73.89	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	122.72	
			For Backdraft Damper, Add	156.47	
			For Damper Motor, Add	217.38	
23 34 16 00-0117	EA		14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,969.90	201.80
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	56.18	
			For Wall Mounted Fan, Add	78.80	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	133.14	
			For Backdraft Damper, Add	156.47	
			For Damper Motor, Add	217.38	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
HVAC Air Distribution		23 30
HVAC Fans		23 34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0118	EA		16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,493.43 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		235.44
			<i>For Bird Screen, Add</i>	56.18	
			<i>For Wall Mounted Fan, Add</i>	99.74	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	171.92	
			<i>For Backdraft Damper, Add</i>	156.47	
			<i>For Damper Motor, Add</i>	217.38	
23 34 16 00-0119	EA		16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,624.52 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		235.44
			<i>For Bird Screen, Add</i>	56.18	
			<i>For Wall Mounted Fan, Add</i>	104.98	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	183.06	
			<i>For Backdraft Damper, Add</i>	156.47	
			<i>For Damper Motor, Add</i>	217.38	
23 34 16 00-0120	EA		18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,857.35 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		252.25
			<i>For Bird Screen, Add</i>	93.64	
			<i>For Wall Mounted Fan, Add</i>	114.29	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	199.99	
			<i>For Backdraft Damper, Add</i>	192.59	
			<i>For Damper Motor, Add</i>	217.38	
23 34 16 00-0121	EA		18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,061.65 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		252.25
			<i>For Bird Screen, Add</i>	93.64	
			<i>For Wall Mounted Fan, Add</i>	122.47	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	217.36	
			<i>For Backdraft Damper, Add</i>	192.59	
			<i>For Damper Motor, Add</i>	217.38	
23 34 16 00-0122	EA		20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,119.13 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		269.07
			<i>For Bird Screen, Add</i>	93.64	
			<i>For Wall Mounted Fan, Add</i>	124.77	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	219.38	
			<i>For Backdraft Damper, Add</i>	192.59	
			<i>For Damper Motor, Add</i>	217.38	
23 34 16 00-0123	EA		20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,406.85 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		269.07
			<i>For Bird Screen, Add</i>	93.64	
			<i>For Wall Mounted Fan, Add</i>	136.27	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	243.84	
			<i>For Backdraft Damper, Add</i>	192.59	
			<i>For Damper Motor, Add</i>	217.38	
23 34 16 00-0124	EA		24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,920.17 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		302.70
			<i>For Bird Screen, Add</i>	110.66	
			<i>For Wall Mounted Fan, Add</i>	156.81	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	281.76	
			<i>For Backdraft Damper, Add</i>	209.11	
			<i>For Damper Motor, Add</i>	217.38	
23 34 16 00-0125	EA		24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,184.06 Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		302.70
			<i>For Bird Screen, Add</i>	110.66	
			<i>For Wall Mounted Fan, Add</i>	167.36	
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	304.19	
			<i>For Backdraft Damper, Add</i>	209.11	
			<i>For Damper Motor, Add</i>	217.38	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0126 EA 30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	4,947.64	336.33
For Bird Screen, Add	119.18	
For Wall Mounted Fan, Add	197.91	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	363.37	
For Backdraft Damper, Add	231.50	
For Damper Motor, Add	217.38	
23 34 16 00-0127 EA 30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	5,034.46	336.33
For Bird Screen, Add	119.18	
For Wall Mounted Fan, Add	201.38	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	370.75	
For Backdraft Damper, Add	231.50	
For Damper Motor, Add	217.38	
23 34 16 00-0128 EA 30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	5,475.41	336.33
For Bird Screen, Add	119.18	
For Wall Mounted Fan, Add	219.02	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	408.23	
For Backdraft Damper, Add	231.50	
For Damper Motor, Add	217.38	
23 34 16 00-0129 EA 30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	5,688.22	336.33
For Bird Screen, Add	119.18	
For Wall Mounted Fan, Add	227.53	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	426.32	
For Backdraft Damper, Add	231.50	
For Damper Motor, Add	217.38	
23 34 16 00-0130 EA 36" Diameter Wheel, 3 HP, 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,263.10	369.96
For Bird Screen, Add	136.20	
For Wall Mounted Fan, Add	250.52	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	469.47	
For Damper Motor, Add	217.38	
For Backdraft Damper, Add	269.83	
23 34 16 00-0131 EA 36" Diameter Wheel, 5 HP, 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,507.83	369.96
For Bird Screen, Add	136.20	
For Wall Mounted Fan, Add	260.31	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	490.27	
For Damper Motor, Add	217.38	
For Backdraft Damper, Add	269.83	
23 34 16 00-0132 EA 42" Diameter Wheel, 3 HP, 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	6,581.94	403.60
For Bird Screen, Add	136.20	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	490.86	
For Damper Motor, Add	217.38	
For Backdraft Damper, Add	310.92	
23 34 16 00-0133 EA 42" Diameter Wheel, 7-1/2 HP, 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	7,119.25	403.60
For Bird Screen, Add	136.20	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	536.53	
For Damper Motor, Add	217.38	
For Backdraft Damper, Add	310.92	
23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans (23 34 16 00-0108) Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0136 EA 7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,402.18	174.89
For Extended Weatherhood, Add	245.27	
23 34 16 00-0137 EA 8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,468.82	174.89
For Extended Weatherhood, Add	255.27	
23 34 16 00-0138 EA 9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,550.59	174.89
For Extended Weatherhood, Add	267.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans <small>(23 34 16 00-0134)</small>		
23 34 16 00-0140 EA 9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	1,582.31 272.29	174.89
23 34 16 00-0141 EA 10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	1,794.34 316.24	235.44
23 34 16 00-0142 EA 12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	2,155.52 377.14	269.07
23 34 16 00-0143 EA 15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	2,511.36 443.97	336.33
23 34 16 00-0144 EA 18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	3,037.41 536.32	403.60
23 34 16 00-0145 Replacement Parts <small>(23 34 16 00-0001)</small>		
23 34 16 00-0146 Replace Belts And Accessories <small>(23 34 16 00-0145)</small>		
23 34 16 00-0147 EA Fan Shaft Bearing, Replacement	1,060.37	483.83
23 34 16 00-0148 EA Fan Belt, Replacement	168.43	65.63
23 34 16 00-0149 Corrosive Fume Resistant Plastic <small>(23 34 16 00-0001)</small>		
23 34 16 00-0150 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure <small>(23 34 16 00-0149)</small>		
23 34 16 00-0151 EA 250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,165.87 852.00	242.96
23 34 16 00-0152 EA 895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,706.25 918.39	291.84
23 34 16 00-0153 EA 1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	7,958.66 1,084.36	364.80
23 34 16 00-0154 EA 2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	8,571.27 1,139.68	486.64
23 34 16 00-0155 EA 3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	9,868.51 1,261.40	729.60
23 34 16 00-0156 EA 11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	17,081.45 2,124.46	1,459.20
23 34 16 00-0157 EA 18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	24,900.00 3,109.23	2,085.93
23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive <small>(23 34 16 00-0149)</small>		
23 34 16 00-0159 EA 1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	6,165.87 852.00	242.96
23 34 16 00-0160 EA 1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	6,337.42 863.06	291.84
23 34 16 00-0161 EA 1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	6,483.34 863.06	364.80
23 34 16 00-0162 EA 2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	6,727.12 863.06	486.64
23 34 16 00-0163 EA 3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	9,278.38 1,172.88	729.60
23 34 16 00-0164 EA 4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	9,643.19 1,172.88	912.00
23 34 16 00-0165 EA 4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	9,906.40 1,172.88	1,043.62
23 34 16 00-0166 EA 6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	10,155.53 1,195.01	1,094.40
23 34 16 00-0167 EA 7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	10,472.48 1,206.07	1,215.95
23 34 16 00-0168 In-Line Duct Fans <small>(23 34 16 00-0001)</small>		
23 34 16 00-0169 Direct Drive In-Line Duct Fans <small>(23 34 16 00-0168)</small> Note: Greenheck SQ.		
23 34 16 00-0170 EA Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan	1,424.11	174.89
23 34 16 00-0171 EA 13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan	1,801.09	188.35
23 34 16 00-0172 EA 14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan	1,972.45	201.80

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0173 Belt Drive In-Line Duct Fans (23 34 16 00-0168)		
Note: Greenheck BSQ.		
23 34 16 00-0174 EA Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan.....	2,056.02	201.80
Note: 115/208-230/60/1. Includes disconnect switch.		
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
23 34 16 00-0175 EA 13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan.....	2,364.93	235.44
Note: 115/208-230/60/1. Includes disconnect switch.		
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
23 34 16 00-0176 EA 13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan.....	2,643.81	235.44
Note: 115/208-230/60/1. Includes disconnect switch.		
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
23 34 16 00-0177 EA 13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan.....	2,880.91	235.44
Note: 115/208-230/60/1. Includes disconnect switch.		
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
23 34 16 00-0178 EA 16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan.....	2,827.37	269.07
Note: 115/208-230/60/1. Includes disconnect switch.		
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
23 34 16 00-0179 EA 16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan.....	3,228.89	269.07
Note: 115/208-230/60/1. Includes disconnect switch.		
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
23 34 16 00-0180 EA 24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan.....	4,105.59	336.33
Note: 115/208-230/60/1. Includes disconnect switch.		
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
23 34 16 00-0181 EA 24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan.....	4,327.24	336.33
Note: 230/460/60/3. Includes disconnect switch.		
For Totally Enclosed Motor, Add	85.00	
23 34 16 00-0182 EA 24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan.....	4,483.49	336.33
Note: Belt drive. 230/460/60/3. Includes disconnect switch.		
For Totally Enclosed Motor, Add	85.00	
23 34 16 00-0183 EA 30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan.....	5,193.14	403.60
Note: 230/460/60/3. Includes disconnect switch.		
For Totally Enclosed Motor, Add	85.00	
23 34 16 00-0184 EA 30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan.....	5,379.63	403.60
Note: 230/460/60/3. Includes disconnect switch.		
For Totally Enclosed Motor, Add	85.00	
23 34 16 00-0185 EA 30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan.....	5,608.82	403.60
Note: 230/460/60/3. Includes disconnect switch.		
For Totally Enclosed Motor, Add	85.00	
23 34 16 00-0186 In-Line Cabinet Fans (23 34 16 00-0001)		
23 34 16 00-0187 EA 950 CFM, 80 Watt, Direct Drive In-Line Cabinet Fan.....	472.93	117.71
23 34 16 00-0188 EA 1,050 CFM, 129 Watt, Direct Drive In-Line Cabinet Fan.....	497.93	117.71
23 34 16 00-0189 EA 1,100 CFM, 173 Watt, Direct Drive In-Line Cabinet Fan.....	531.85	117.71
23 34 16 00-0190 EA 950 CFM, 48.7 Watt, Direct Drive In-Line Cabinet Fan.....	530.07	117.71
23 34 16 00-0191 EA 1,100 CFM, 52.5 Watt, Direct Drive In-Line Cabinet Fan.....	530.07	117.71
23 34 16 00-0192 EA 1,400 CFM, 100 Watt, Direct Drive In-Line Cabinet Fan.....	583.64	117.71
23 34 16 00-0193 EA 900 CFM, 48.2 Watt, Direct Drive In-Line Cabinet Fan.....	693.51	124.44
23 34 16 00-0194 EA 1,000 CFM, 82.7 Watt, Direct Drive In-Line Cabinet Fan.....	598.87	124.44
23 34 16 00-0195 EA 1,050 CFM, 80.7 Watt, Direct Drive In-Line Cabinet Fan.....	634.59	124.44
23 34 16 00-0196 EA 1,350 CFM, 140 Watt, Direct Drive In-Line Cabinet Fan.....	657.80	124.44
23 34 16 00-0197 EA 1,000 CFM, 135 Watt, Direct Drive In-Line Cabinet Fan.....	684.58	124.44
23 34 16 00-0198 EA 1,070 CFM, 217 Watt, Direct Drive In-Line Cabinet Fan.....	684.58	124.44
23 34 16 00-0199 EA 1,100 CFM, 350 Watt, Direct Drive In-Line Cabinet Fan.....	1,085.52	131.17
23 34 16 00-0200 EA 1,080 CFM, 325 Watt, Direct Drive In-Line Cabinet Fan.....	923.02	131.17
23 34 16 00-0201 EA 1,600 CFM, 405 Watt, Direct Drive In-Line Cabinet Fan.....	923.02	131.17
23 34 16 00-0202 EA 950 CFM, 328 Watt, Direct Drive In-Line Cabinet Fan.....	1,228.37	131.17
23 34 16 00-0203 EA 1,095 CFM, 455 Watt, Direct Drive In-Line Cabinet Fan.....	1,228.37	131.17
23 34 16 00-0204 EA 1,450 CFM, 822 Watt, Direct Drive In-Line Cabinet Fan.....	1,228.37	131.17
23 34 16 00-0205 EA 1,640 CFM, 830 Watt, Direct Drive In-Line Cabinet Fan.....	1,598.95	131.17
23 34 16 00-0206 Propeller And Ceiling Fans (23 34 16)		
23 34 16 00-0207 Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0206)		
Note: Greenheck SE1.		
23 34 16 00-0208 EA 1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	676.42	143.95
Note: Includes motor side guard.		
For Backdraft Damper, Add	152.02	
For Wall Mount Collar, Add	241.27	
23 34 16 00-0209 EA 1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	720.63	160.10
Note: Includes motor side guard.		
For Backdraft Damper, Add	164.61	
For Wall Mount Collar, Add	241.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0210 EA 1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan .....798.17	798.17	177.58
Note: Includes motor side guard.		
For Backdraft Damper, Add	181.12	
For Wall Mount Collar, Add	247.72	
23 34 16 00-0211 EA 1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan .....1,133.43	1,133.43	196.41
For Backdraft Damper, Add	215.28	
For Wall Mount Collar, Add	252.48	
For Motor Side Guard, Add	204.11	
23 34 16 00-0212 EA 1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan .....1,120.59	1,120.59	217.94
For Backdraft Damper, Add	215.28	
For Wall Mount Collar, Add	258.92	
For Motor Side Guard, Add	217.37	
23 34 16 00-0213 EA 1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan .....1,257.87	1,257.87	242.16
For Backdraft Damper, Add	259.23	
For Wall Mount Collar, Add	265.37	
For Motor Side Guard, Add	230.64	
23 34 16 00-0214 EA 1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan .....1,431.18	1,431.18	269.07
For Backdraft Damper, Add	259.23	
For Wall Mount Collar, Add	270.13	
For Motor Side Guard, Add	248.99	
23 34 16 00-0215 Belt Drive Propeller Exhaust Fans (23 34 16 00-0206)		
Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0216 EA 24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter.....2,542.75	2,542.75	384.76
23 34 16 00-0217 EA 30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter.....2,914.72	2,914.72	448.00
23 34 16 00-0218 EA 36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter.....3,315.32	3,315.32	538.14
23 34 16 00-0219 EA 42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter.....4,592.95	4,592.95	672.66
23 34 16 00-0220 EA 48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter.....5,507.88	5,507.88	897.33
23 34 16 00-0221 EA 54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter.....7,680.54	7,680.54	1,345.33
23 34 16 00-0222 EA 60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter.....9,252.22	9,252.22	1,724.70
23 34 16 00-0223 Propeller Exhaust Fan Accessories (23 34 16 00-0206)		
23 34 16 00-0224 SF Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening).....131.80	131.80	
23 34 16 00-0225 SF Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening).....301.44	301.44	
23 34 16 00-0226 Reversible Ceiling Fans (23 34 16 00-0206)		
23 34 16 00-0227 4 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0228 EA 42" 4-Blade Ceiling Fan, Three Speed.....611.03	611.03	73.31
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	26.22	
23 34 16 00-0229 5 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0230 EA 42" 5-Blade Ceiling Fan, Three Speed.....667.30	667.30	181.42
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	26.30	
23 34 16 00-0231 EA 52" 5-Blade Ceiling Fan, Three Speed.....760.70	760.70	181.42
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	26.44	
23 34 16 00-0232 3 Blade Weatherproof Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0233 EA 3-Blade Ceiling Fan, Weatherproof, Three Speed .....618.40	618.40	66.60
23 34 16 00-0234 Explosion Proof Industrial Blowers (23 34 16 00-0206)		
23 34 16 00-0235 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof.....5,355.66	5,355.66	
23 34 16 00-0236 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof .....5,885.15	5,885.15	
23 34 16 00-0237 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof .....7,842.08	7,842.08	
23 34 16 00-0238 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof .....8,206.61	8,206.61	
23 34 16 00-0239 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure .....4,879.88	4,879.88	
23 34 16 00-0240 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure .....5,197.64	5,197.64	
23 34 16 00-0241 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure .....7,141.43	7,141.43	
23 34 16 00-0242 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure .....7,740.99	7,740.99	
23 34 16 00-0243 Exhaust Fans (23 34 16)		
23 34 16 00-0244 Exhaust Fans (23 34 16 00-0243)		
Note: Excludes ducting.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0245		Light Duty Exhaust Fans (23 34 16 00-0244)		
23 34 16 00-0246		Light Duty Exhaust Fans (23 34 16 00-0245)		
23 34 16 00-0247	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670).....	169.94	59.24
23 34 16 00-0248	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671).....	178.54	59.24
23 34 16 00-0249	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505).....	281.73	59.24
23 34 16 00-0250	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504).....	350.73	59.24
23 34 16 00-0251	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503).....	315.70	59.24
23 34 16 00-0252	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502).....	413.68	59.24
23 34 16 00-0253		Light Duty Exhaust Fans With Lights (23 34 16 00-0245)		
23 34 16 00-0254	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678).....	215.92	59.24
23 34 16 00-0255	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679).....	237.45	59.24
23 34 16 00-0256	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680).....	426.83	59.24
23 34 16 00-0257		Light Duty Exhaust Fans With Heaters (23 34 16 00-0245)		
23 34 16 00-0258	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162).....	220.58	59.24
23 34 16 00-0259	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658).....	338.66	59.24
23 34 16 00-0260		Light Duty Exhaust Fans With Heaters And Lights (23 34 16 00-0245)		
23 34 16 00-0261	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655).....	359.13	59.24
23 34 16 00-0262	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL).....	534.88	59.24
23 34 16 00-0263		Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0244)		
23 34 16 00-0264		Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0263) Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0265	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50).....	253.10	59.24
23 34 16 00-0266	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80).....	277.78	59.24
23 34 16 00-0267	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG).....	491.38	59.24
23 34 16 00-0268	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG).....	502.82	59.24
23 34 16 00-0269	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG).....	538.42	59.24
23 34 16 00-0270	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG).....	561.17	59.24
23 34 16 00-0271	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG).....	569.98	59.24
23 34 16 00-0272	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400).....	649.44	59.24
23 34 16 00-0273	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500).....	737.09	59.24
23 34 16 00-0274	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700).....	787.01	59.24
23 34 16 00-0275	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900).....	932.85	59.24
23 34 16 00-0276	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500).....	1,192.65	59.24
23 34 16 00-0277		Heavy Duty/Continuous Operation Kitchen Exhaust Fans (23 34 16 00-0263) Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0278	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG).....	509.48	59.24
23 34 16 00-0279	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K).....	730.53	59.24
23 34 16 00-0280	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K).....	771.47	59.24
23 34 16 00-0281		Heavy Duty/Continuous Operation Exhaust Fans With Lights (23 34 16 00-0263)		
23 34 16 00-0282	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L).....	273.31	59.24
23 34 16 00-0283	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L).....	296.49	59.24
23 34 16 00-0284		Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0263)		
23 34 16 00-0285	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF).....	283.49	59.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0286 EA 80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	298.83	59.24
23 34 16 00-0287 EA 110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF).....	306.23	59.24
23 34 16 00-0288 Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans (23 34 16 00-0244)		
23 34 16 00-0289 EA 900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	1,278.90	59.24
23 34 16 00-0290 EA 1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	1,278.90	59.24
23 34 16 00-0291 EA 1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	1,278.90	59.24
23 34 16 00-0292 EA 1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	1,401.47	59.24
23 34 16 00-0293 Room-To-Room Exhaust Fans (23 34 16 00-0244)		
23 34 16 00-0294 EA 90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	210.12	59.24
23 34 16 00-0295 EA 180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	335.45	59.24
23 34 16 00-0296 EA 380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	381.12	59.24
23 34 16 00-0297 Through-Wall Exhaust Fans (23 34 16 00-0244)		
23 34 16 00-0298 EA 250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	357.24	59.24
23 34 16 00-0299 EA 470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	420.19	59.24
23 34 16 00-0300 EA 180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	313.96	59.24
23 34 16 00-0301 EA 270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	413.68	59.24
23 34 16 00-0302 EA 360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	708.87	59.24
23 34 16 00-0303 Exhaust Fan Accessories (23 34 16 00-0244)		
23 34 16 00-0304 Exhaust Fan Controls (23 34 16 00-0303)		
23 34 16 00-0305 EA Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	197.77	37.03
23 34 16 00-0306 EA 60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59).....	142.10	37.03
23 34 16 00-0307 EA 60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	143.42	37.03
23 34 16 00-0308 Roof And Wall Caps For Exhaust Fans (23 34 16 00-0303)		
23 34 16 00-0309 Wall Caps For Exhaust Fans (23 34 16 00-0308)		
23 34 16 00-0310 EA Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	318.07	73.06
23 34 16 00-0311 EA Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643).....	322.46	73.06
23 34 16 00-0312 Roof Caps For Exhaust Fans (23 34 16 00-0308)		
Note: Includes flashing and built in bird screen.		
23 34 16 00-0313 EA Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	272.84	73.06
23 34 16 00-0314 EA Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	386.66	73.06
23 34 16 00-0315 EA CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	185.34	73.06
23 34 16 00-0316 EA CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	219.49	73.06
23 34 16 00-0317 Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0244)		
Note: Includes storage and cleaning.		
23 34 16 00-0318 EA Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	100.89	
23 34 23 HVAC Power Ventilators (23 34)		
23 34 23 00-0001 Power Roof Ventilators (23 34 23)		
23 34 23 00-0002 Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
Note: Greenheck G.		
23 34 23 00-0003 EA 1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	679.59	192.38
Note: Three speed motor.		
For 12" Roof Curb, Add	219.41	
For Backdraft Damper, Add	127.36	
For Solid State Speed Control, Add	109.89	
For Damper Motor, Add	217.38	
23 34 23 00-0004 EA 1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	742.36	217.94
Note: Three speed motor.		
For 12" Roof Curb, Add	219.41	
For Backdraft Damper, Add	127.36	
For Solid State Speed Control, Add	109.89	
For Damper Motor, Add	217.38	
23 34 23 00-0005 EA 1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,046.23	254.27
For 12" Roof Curb, Add	224.52	
For Backdraft Damper, Add	137.99	
For Solid State Speed Control, Add	109.89	
For Damper Motor, Add	217.38	
23 34 23 00-0006 EA 1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,080.78	286.55
For 12" Roof Curb, Add	224.52	
For Backdraft Damper, Add	137.99	
For Solid State Speed Control, Add	109.89	
For Damper Motor, Add	217.38	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34	23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For Solid State Speed Control, Add</i> <i>For Damper Motor, Add</i>	1,380.62 109.89 217.38	316.15
23 34	23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Solid State Speed Control, Add</i> <i>For Damper Motor, Add</i>	1,566.17 233.03 156.47 162.67 217.38	336.33
23 34 23 00-0009 Belt Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)					
Note: Greenheck GB.					
23 34	23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	1,578.03 224.52 137.99 217.38	286.55
23 34	23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	1,718.27 233.03 156.47 217.38	364.58
23 34	23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	2,310.92 233.03 156.47 217.38	434.54
23 34	23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	2,943.52 273.89 192.59 217.38	538.14
23 34	23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	3,872.80 292.62 209.11 217.38	672.66
23 34	23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	5,292.66 321.57 231.50 217.38	840.82
23 34	23 00-0016	EA	2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	5,333.52 321.57 231.50 217.38	840.82
23 34	23 00-0017	EA	3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	5,774.47 321.57 231.50 217.38	840.82
23 34	23 00-0018	EA	5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	5,555.58 321.57 231.50 217.38	840.82
23 34 23 00-0019 Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001)					
Note: Includes back draft damper and birdscreen and curb.					
23 34	23 00-0020	EA	30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure.....	8,557.11	1,034.55
23 34	23 00-0021	EA	36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure.....	13,944.38	1,344.93
23 34 23 00-0022 Belt Drive Supply Fans (23 34 23 00-0001)					
23 34	23 00-0023	EA	4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	3,409.93	537.19
23 34	23 00-0024	EA	10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	4,596.58	672.53
23 34 23 00-0025 Fan Thermostat (23 34 23 00-0001)					
23 34	23 00-0026	EA	50 To 120 Degree Line Voltage Fan Thermostat	156.12	
23 34 23 00-0027 Power Wall Ventilators (23 34 23)					
23 34 23 00-0028 Centrifugal Sidewall Exhausters (23 34 23 00-0027)					
23 34 23 00-0029 Direct Drive, Aluminum, Centrifugal Sidewall Exhauster (23 34 23 00-0028)					
Note: Greenheck CW.					
23 34	23 00-0030	EA	1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	904.23 162.67 164.90 355.27 115.58	216.59
23 34	23 00-0031	EA	1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,039.20 162.67 183.38 355.27 137.35	254.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0032 EA 1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,523.73	286.55
<i>For Solid State Speed Control, Add</i>	162.67	
<i>For Backdraft Damper, Add</i>	207.73	
<i>For Damper Motor, Add</i>	355.27	
<i>For Interior Wall Grill, Add</i>	159.13	
23 34 23 00-0033 Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028)		
Note: Greenheck CWB.		
23 34 23 00-0034 EA 1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,188.19	161.97
<i>For Solid State Speed Control, Add</i>	162.67	
<i>For Backdraft Damper, Add</i>	195.99	
<i>For Damper Motor, Add</i>	355.27	
<i>For Interior Wall Grill, Add</i>	240.48	
23 34 23 00-0035 EA 1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,317.57	182.40
<i>For Solid State Speed Control, Add</i>	162.67	
<i>For Backdraft Damper, Add</i>	195.99	
<i>For Damper Motor, Add</i>	355.27	
<i>For Interior Wall Grill, Add</i>	240.48	
23 34 23 00-0036 EA 3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,838.30	208.66
<i>For Solid State Speed Control, Add</i>	162.67	
<i>For Backdraft Damper, Add</i>	243.35	
<i>For Damper Motor, Add</i>	355.27	
<i>For Interior Wall Grill, Add</i>	279.28	
23 34 33 Air Curtains (23 34)		
23 34 33 00-0001 Unheated Air Curtains For Entrances (23 34 33)		
23 34 33 00-0002 Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)		
23 34 33 00-0003 EA Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated.....	2,535.05	986.12
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	194.38	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	529.13	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	393.07	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	604.72	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0004 EA Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated.....	2,565.64	986.12
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	194.38	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	529.13	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	393.07	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	604.72	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0005 EA Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated.....	2,598.79	986.12
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	194.38	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	529.13	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	393.07	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	604.72	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0006 EA Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated.....	3,146.95	986.12
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	194.38	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	529.13	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	393.07	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	604.72	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	
23 34 33 00-0007 EA Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	3,593.79	1,183.88
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	194.38	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	529.13	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	393.07	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	604.72	
<i>For Flat Side Extension Plates, Add</i>	148.58	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	297.16	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	356.59	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	376.40	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0008 EA Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	3,785.01	1,183.88
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	529.13	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	393.07	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	604.72	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0009 EA Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated.....	4,213.95	1,365.51
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	529.13	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	393.07	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	604.72	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0010 EA Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated.....	4,977.56	1,365.51
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	529.13	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	393.07	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	604.72	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0011 EA Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated.....	5,074.44	1,365.51
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	529.13	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	393.07	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	604.72	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0012 EA Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated.....	5,331.95	1,365.51
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	529.13	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	393.07	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	604.72	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0013 Unheated Air Curtains, High Velocity (23 34 33 00-0001)		
23 34 33 00-0014 EA High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated.....	3,042.42	986.12
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0015 EA High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated.....	3,081.94	986.12
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0016 EA High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated.....	3,098.51	986.12
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0017 EA High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated.....	3,130.38	986.12
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0018 EA High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated.....	4,756.41	1,183.88
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0019 EA High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated.....	4,952.72	1,183.88
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0020 EA High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated.....	5,309.01	1,365.51
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0021 EA High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated.....	5,988.48	1,365.51
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0022 EA High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated.....	6,059.86	1,365.51
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0023 EA High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated.....	6,337.77	1,365.51
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	297.16	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0024 Service Window Unheated Air Curtains (23 34 33 00-0001)		
Note: Normal window sizes.		
23 34 33 00-0025 EA Air Curtain For 2.5' x 5' Service Window, Unheated.....	2,324.01	777.60
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0026 Heated Air Curtains For Entrances (23 34 33)		
Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027 EA 60" Heated Air Curtain With 1- 300 MBH Heater.....	4,119.39	868.41
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0028 EA 60" Heated Air Curtain With 1- 400 MBH Heater.....	4,437.01	868.41
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0029 EA 72" Heated Air Curtain With 1- 350 MBH Heater.....	4,942.41	1,041.96
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0030 EA 72" Heated Air Curtain With 2- 250 MBH Heaters.....	5,323.55	1,041.96
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0031 EA 96" Heated Air Curtain With 1- 400 MBH Heater	6,588.73	1,389.05
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0032 EA 96" Heated Air Curtain With 2- 350 MBH Heaters.....	7,096.92	1,389.05
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0033 EA 117" Heated Air Curtain With 2- 300 MBH Heaters.....	8,028.80	1,692.42
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0034 EA 117" Heated Air Curtain With 2- 400 MBH Heaters.....	8,648.15	1,692.42
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0035 EA 147" Heated Air Curtain With 2- 350 MBH Heaters.....	10,088.22	2,126.28
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0036 EA 147" Heated Air Curtain With 3- 350 MBH Heaters.....	11,628.67	2,126.28
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0037 EA 168" Heated Air Curtain With 2- 400 MBH Heaters.....	11,530.28	2,430.33
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0038 EA 168" Heated Air Curtain With 3- 400 MBH Heaters.....	13,290.41	2,430.33
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0039 EA 192" Heated Air Curtain With 2- 400 MBH Heaters.....	13,172.87	2,777.42
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	
23 34 33 00-0040 EA 192" Heated Air Curtain With 4- 350 MBH Heaters.....	15,184.46	2,777.42
For Door Limit Switch, Combination Roller And Plunger, Add	194.38	
For Flat Side Extension Plates, Add	148.58	
For Clearance Adjustable-Angle Mounting Bracket, Add	297.16	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	356.59	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	376.40	

23 35 Special Exhaust Systems (23 30)

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems (23 35)**23 35 13 13 Sawdust Collection Systems** (23 35 13)**23 35 13 13-0001 Dust Collector System** (23 35 13 13)

23 35 13 13-0002 EA 1.5 HP Dust Collector Central Vacuum Unit.....	4,796.98	1,167.36
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0003 EA 2 HP Dust Collector Central Vacuum Unit.....	5,404.84	1,386.24
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0004 EA 2-1/2 HP Dust Collector Central Vacuum Unit	6,472.73	1,605.12
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0005 EA 3 HP Dust Collector Central Vacuum Unit.....	7,405.79	1,896.96
Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0006 EA 5 HP Dust Collector Central Vacuum Unit.....	14,815.43	2,085.10
Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0007 EA 7-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	17,945.97	2,432.62
23 35 13 13-0008 EA 10 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	20,554.59	2,780.13
23 35 13 13-0009 EA 15 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	23,133.55	3,197.15
23 35 13 13-0010 EA 20 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	25,827.49	3,614.17
23 35 13 13-0011 Vacuum Tubing And Accessories (23 35 13 13)		
23 35 13 13-0012 Vacuum Tubing (23 35 13 13-0011)		
23 35 13 13-0013 Galvanized Vacuum Tubing (23 35 13 13-0012)		
23 35 13 13-0014 LF 2-1/8" Outside Diameter Vacuum Tubing, Galvanized.....	10.75	2.42
23 35 13 13-0015 LF 2-1/2" Outside Diameter Vacuum Tubing, Galvanized.....	11.96	2.56
23 35 13 13-0016 LF 3" Outside Diameter Vacuum Tubing, Galvanized.....	14.04	2.69
23 35 13 13-0017 LF 3-1/2" Outside Diameter Vacuum Tubing, Galvanized.....	17.93	2.83
23 35 13 13-0018 LF 4" Outside Diameter Vacuum Tubing, Galvanized.....	18.45	2.96
23 35 13 13-0019 LF 5" Outside Diameter Vacuum Tubing, Galvanized.....	29.74	3.36
23 35 13 13-0020 LF 6" Outside Diameter Vacuum Tubing, Galvanized.....	33.55	3.90
23 35 13 13-0021 LF 8" Outside Diameter Vacuum Tubing, Galvanized.....	45.47	5.38
23 35 13 13-0022 LF 10" Outside Diameter Vacuum Tubing, Galvanized.....	53.49	6.73
23 35 13 13-0023 LF 12" Outside Diameter Vacuum Tubing, Galvanized.....	129.19	8.88
23 35 13 13-0024 Vacuum Fittings, Galvanized (23 35 13 13-0011)		
23 35 13 13-0025 90 Degree Elbow (23 35 13 13-0024)		
23 35 13 13-0026 EA 2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	55.70	15.47
23 35 13 13-0027 EA 2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	67.56	16.55
23 35 13 13-0028 EA 3" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	82.79	18.03
23 35 13 13-0029 EA 3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	96.78	19.51
23 35 13 13-0030 EA 4" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	114.34	21.53
23 35 13 13-0031 EA 5" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	182.70	23.94
23 35 13 13-0032 EA 6" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	239.86	26.91
23 35 13 13-0033 EA 8" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	423.77	35.92
23 35 13 13-0034 45 Degree Elbow (23 35 13 13-0024)		
23 35 13 13-0035 EA 2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	52.71	15.47
23 35 13 13-0036 EA 2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	65.09	16.55
23 35 13 13-0037 EA 3" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	74.50	18.03
23 35 13 13-0038 EA 3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	87.44	19.51
23 35 13 13-0039 EA 4" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	105.70	21.53
23 35 13 13-0040 EA 5" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	152.74	23.94
23 35 13 13-0041 EA 6" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	195.80	26.91
23 35 13 13-0042 EA 8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	349.75	35.92
23 35 13 13-0043 Wye (23 35 13 13-0024)		
23 35 13 13-0044 EA 2-1/8" Wye, Vacuum Tubing, Galvanized.....	99.78	25.56
23 35 13 13-0045 EA 2-1/2" Wye, Vacuum Tubing, Galvanized.....	118.06	27.57
23 35 13 13-0046 EA 3" Wye, Vacuum Tubing, Galvanized.....	141.94	29.60
23 35 13 13-0047 EA 3-1/2" Wye, Vacuum Tubing, Galvanized.....	170.41	32.96
23 35 13 13-0048 EA 4" Wye, Vacuum Tubing, Galvanized.....	222.83	35.65
23 35 13 13-0049 EA 5" Wye, Vacuum Tubing, Galvanized.....	364.95	39.69
23 35 13 13-0050 EA 6" Wye, Vacuum Tubing, Galvanized.....	479.13	45.07
23 35 13 13-0051 EA 8" Wye, Vacuum Tubing, Galvanized.....	924.46	49.10
23 35 13 13-0052 EA 10" Wye, Vacuum Tubing, Galvanized.....	1,272.40	53.81
23 35 13 13-0053 EA 12" Wye, Vacuum Tubing, Galvanized.....	1,603.29	60.27
23 35 13 13-0054 Reducer (23 35 13 13-0024)		
23 35 13 13-0055 EA 3" Reducer, Vacuum Tubing, Galvanized.....	58.63	18.03
23 35 13 13-0056 EA 4" Reducer, Vacuum Tubing, Galvanized.....	64.96	19.51
23 35 13 13-0057 EA 5" Reducer, Vacuum Tubing, Galvanized.....	80.30	21.53
23 35 13 13-0058 EA 6" Reducer, Vacuum Tubing, Galvanized.....	87.02	23.94
23 35 13 13-0059 EA 8" Reducer, Vacuum Tubing, Galvanized.....	101.20	26.91
23 35 13 13-0060 Flexible Hose (23 35 13 13-0011)		
23 35 13 13-0061 LF 2" Flexible Hose.....	13.27	2.42
23 35 13 13-0062 LF 3" Flexible Hose.....	15.81	2.69
23 35 13 13-0063 LF 4" Flexible Hose.....	17.17	2.96
23 35 13 13-0064 Air Gate Valve, Galvanized (23 35 13 13-0011)		
23 35 13 13-0065 EA 2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized.....	356.98	35.92
23 35 13 13-0066 EA 2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	374.37	38.34

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0067 EA 3" Air Gate Valve, Vacuum Tubing, Galvanized.....	428.77	41.30
23 35 13 13-0068 EA 3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	486.35	44.12
23 35 13 13-0069 EA 4" Air Gate Valve, Vacuum Tubing, Galvanized.....	547.08	46.82
23 35 13 13-0070 EA 5" Air Gate Valve, Vacuum Tubing, Galvanized.....	644.92	53.41
23 35 13 13-0071 EA 6" Air Gate Valve, Vacuum Tubing, Galvanized.....	741.61	59.87
23 35 16 Engine Exhaust Systems (23 35)		
23 35 16 16 Mechanical Engine Exhaust Systems (23 35 16)		
23 35 16 16-0001 Tailpipe Exhaust Equipment (23 35 16 16)		
23 35 16 16-0002 Overhead Tailpipe Exhaust System (23 35 16 16-0001)		
23 35 16 16-0003 Overhead Tailpipe Exhaust Blowers (23 35 16 16-0002)		
23 35 16 16-0004 Overhead Direct Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0005 EA 495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	3,704.29	286.55
23 35 16 16-0006 EA 1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	4,357.80	585.22
23 35 16 16-0007 EA 1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	6,035.69	708.99
23 35 16 16-0008 Overhead Belt Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0009 EA 1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,241.53	585.22
23 35 16 16-0010 EA 2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,542.12	708.99
23 35 16 16-0011 EA 2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	5,513.28	1,122.00
23 35 16 16-0012 EA 4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	6,767.75	1,447.57
23 35 16 16-0013 EA 7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	8,524.33	1,724.70
23 35 16 16-0014 Spiral Exhaust Duct Accessories (23 35 16 16-0002)		
23 35 16 16-0015 Flex Hose x Length (23 35 16 16-0014)		
Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0016 EA 3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	185.49	71.31
23 35 16 16-0017 EA 3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	165.46	71.31
23 35 16 16-0018 EA 4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	286.85	113.01
23 35 16 16-0019 EA 4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	253.38	113.01
23 35 16 16-0020 EA 5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	420.40	178.93
23 35 16 16-0021 EA 5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	408.42	178.93
23 35 16 16-0022 EA 6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	649.42	283.87
23 35 16 16-0023 EA 6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	624.22	283.87
23 35 16 16-0024 Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter (23 35 16 16-0014)		
23 35 16 16-0025 EA 4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	201.46	71.31
23 35 16 16-0026 EA 5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	298.51	113.01
23 35 16 16-0027 EA 4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	178.39	71.31
23 35 16 16-0028 EA 5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	264.28	113.01
23 35 16 16-0029 EA 6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	1,274.80	96.05
23 35 16 16-0030 EA 8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,176.21	176.23
23 35 16 16-0031 EA 10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,284.69	176.23
23 35 16 16-0032 LF 8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	64.00	13.72
23 35 16 16-0033 LF 10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	70.67	13.72
23 35 16 16-0034 Flexible Hose (23 35 16 16-0014)		
23 35 16 16-0035 LF 3" Stainless Steel Flexible Tubing.....	40.13	3.36
23 35 16 16-0036 LF 4" Stainless Steel Flexible Tubing.....	50.89	3.76
23 35 16 16-0037 LF 5" Stainless Steel Flexible Tubing.....	60.32	3.90
23 35 16 16-0038 LF 6" Stainless Steel Flexible Tubing.....	71.03	4.17
23 35 16 16-0039 LF 3" Galvanized Flexible Tubing	24.30	3.36
23 35 16 16-0040 LF 4" Galvanized Flexible Tubing	28.47	3.76
23 35 16 16-0041 LF 5" Galvanized Flexible Tubing	32.56	3.90
23 35 16 16-0042 LF 6" Galvanized Flexible Tubing	36.26	4.17
23 35 16 16-0043 Accessories (23 35 16 16-0002)		
23 35 16 16-0044 EA 3" Tail Pipe Adapter	53.29	10.09
23 35 16 16-0045 EA 4" Tail Pipe Adapter	54.61	10.09
23 35 16 16-0046 EA 5" Tail Pipe Adapter	58.63	11.44
23 35 16 16-0047 EA 3" Bullnose (Guide).....	30.37	6.73
23 35 16 16-0048 EA 4" Bullnose (Guide).....	32.46	7.40
23 35 16 16-0049 EA 5" Bullnose (Guide).....	34.77	8.07
23 35 16 16-0050 EA Flex-Hose Winch And Associated Hardware	241.66	76.28
23 35 16 16-0051 LF Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.11	
23 35 16 16-0052 Automatic Exhaust Extraction System (23 35 16 16-0001)		
Note: (Neiderman System) Includes track, hydraulic shock absorber, automatic disconnect box, flexible hose, electromagnetic ergonomic positioner, nozzle, power supply and accessories.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0053 EA Magnatrack System For One Vehicle (30" To 40" Track)	39,090.60	
23 35 16 16-0054 EA Magnatrack System For Two Vehicles (2 Each 30" Tracks)	56,464.20	
23 35 16 16-0055 EA Magnatrack System For Tandem Vehicles (2 Each 30" Tracks)	56,464.20	
23 35 16 16-0056 EA Magnarail System For One Vehicle (33" Rail)	46,329.60	
23 35 16 16-0057 EA Magnarail System For Two Vehicles in Tandem (66" Rail)	69,494.40	
23 35 16 16-0058 EA Magnastack For One Vehicle, Vertical Exhaust Stacks (30" Stack)	36,195.00	
 23 35 19 Fume Exhaust Systems (23 35)		
23 35 19 00-0001 EA Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	2,708.29	537.72
23 35 19 00-0002 EA Hose Extension Kit 5'	470.05	119.46
 23 36 Air Terminal Units (23 30)		
23 36 13 Constant-Air-Volume Units (23 36)		
23 36 13 00-0001 Vertical Units, With Electric Heating Coils (23 36 13)		
23 36 13 00-0002 EA 60 CFM Vertical Induction Unit, With Electric Heating Coils	1,752.08	191.37
23 36 13 00-0003 EA 90 CFM Vertical Induction Unit, With Electric Heating Coils	2,097.59	206.09
23 36 13 00-0004 EA 120 CFM Vertical Induction Unit, With Electric Heating Coils	2,235.14	213.45
23 36 13 00-0005 EA 150 CFM Vertical Induction Unit, With Electric Heating Coils	2,387.42	228.17
23 36 13 00-0006 EA 175 CFM Vertical Induction Unit, With Electric Heating Coils	2,683.91	235.53
 23 36 13 00-0007 Horizontal Units, With Electric Heating Coils (23 36 13)		
23 36 13 00-0008 EA 60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,499.35	191.37
23 36 13 00-0009 EA 90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,781.52	206.09
23 36 13 00-0010 EA 120 CFM Horizontal Induction Unit, With Electric Heating Coils	2,113.61	217.13
 23 36 13 00-0011 Duct Boxes, Constant Volume Control (23 36 13)		
23 36 13 00-0012 Single Duct Boxes, Constant Volume Control (23 36 13 00-0011)		
23 36 13 00-0013 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	1,337.99	55.44
For Boxes With Motor, Add	223.82	
23 36 13 00-0014 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	1,480.20	59.83
For Boxes With Motor, Add	248.28	
23 36 13 00-0015 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	1,540.76	65.66
For Boxes With Motor, Add	255.62	
23 36 13 00-0016 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	1,570.05	68.58
For Boxes With Motor, Add	259.29	
23 36 13 00-0017 EA 12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	1,598.35	75.88
For Boxes With Motor, Add	259.29	
23 36 13 00-0018 EA 14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	1,827.15	84.63
For Boxes With Motor, Add	297.21	
23 36 13 00-0019 EA 16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	1,921.73	94.85
For Boxes With Motor, Add	308.21	
23 36 13 00-0020 EA 20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	2,049.50	113.82
For Boxes With Motor, Add	319.33	
23 36 13 00-0021 EA 24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	2,176.45	131.33
For Boxes With Motor, Add	330.23	
 23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control (23 36 13 00-0011)		
23 36 13 00-0023 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	1,864.46	55.44
For Boxes With Motor, Add	329.12	
23 36 13 00-0024 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	1,995.45	59.83
For Boxes With Motor, Add	351.33	
23 36 13 00-0025 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	2,085.28	65.66
For Boxes With Motor, Add	364.53	
23 36 13 00-0026 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	2,172.61	68.58
For Boxes With Motor, Add	379.80	
23 36 13 00-0027 EA 12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	2,200.91	75.88
For Boxes With Motor, Add	379.80	
23 36 13 00-0028 EA 14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	2,528.28	86.09
For Boxes With Motor, Add	437.43	
23 36 13 00-0029 EA 16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	2,765.49	94.85
For Boxes With Motor, Add	477.01	
23 36 13 00-0030 EA 20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	2,987.18	113.82
For Boxes With Motor, Add	506.87	
23 36 13 00-0031 EA 24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	3,129.07	131.33
For Boxes With Motor, Add	520.75	
 23 36 16 Variable-Air-Volume Units (23 36)		
23 36 16 00-0001 Variable Volume Terminal Unit (23 36 16)		
Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)		
Note: Enclosure only. For mounting DDC controls.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 36 Air Terminal Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0003 EA 6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only.....	616.05	67.12
Note: For mounting DDC controls		
For Filters And Frames, Add	6.30	
23 36 16 00-0004 EA 8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only.....	690.34	75.88
Note: For mounting DDC controls		
For Filters And Frames, Add	6.30	
23 36 16 00-0005 EA 10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only.....	769.49	84.63
Note: For mounting DDC controls		
For Filters And Frames, Add	6.30	
23 36 16 00-0006 EA 12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only.....	824.54	94.85
Note: For mounting DDC controls		
For Filters And Frames, Add	6.30	
23 36 16 00-0007 EA 14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only.....	1,133.51	204.14
Note: For mounting DDC controls		
For Filters And Frames, Add	6.30	
23 36 16 00-0008 EA 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only.....	1,391.30	242.23
Note: For mounting DDC controls		
For Filters And Frames, Add	6.30	
23 36 16 00-0009 Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
Note: With pneumatic controls.		
23 36 16 00-0010 EA 6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller.....	1,231.12	67.12
For Fan Powered Variable Air Volume Box, Add	1,254.20	
For Hot Water Coils, Add	391.68	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0011 EA 8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller.....	1,334.28	75.88
For Fan Powered Variable Air Volume Box, Add	1,343.91	
For Hot Water Coils, Add	418.69	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0012 EA 10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller.....	1,402.33	84.63
For Fan Powered Variable Air Volume Box, Add	1,386.91	
For Hot Water Coils, Add	430.39	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0013 EA 12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller.....	1,468.47	94.85
For Fan Powered Variable Air Volume Box, Add	1,427.19	
For Hot Water Coils, Add	441.20	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0014 EA 14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller.....	1,717.49	204.14
For Fan Powered Variable Air Volume Box, Add	1,604.63	
For Hot Water Coils, Add	491.62	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0015 EA 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller.....	2,024.14	242.23
For Fan Powered Variable Air Volume Box, Add	1,746.95	
For Hot Water Coils, Add	524.94	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0016 Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
Note: With analog electronic controls.		
23 36 16 00-0017 EA 6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls.....	1,997.18	67.12
For Hot Water Coils, Add	702.31	
For Filters And Frames, Add	6.30	
23 36 16 00-0018 EA 8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls.....	2,082.58	75.88
For Hot Water Coils, Add	722.12	
For Filters And Frames, Add	6.30	
23 36 16 00-0019 EA 10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls.....	2,161.73	84.63
For Hot Water Coils, Add	738.33	
For Filters And Frames, Add	6.30	
23 36 16 00-0020 EA 12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls.....	2,270.07	94.85
For Hot Water Coils, Add	766.24	
For Filters And Frames, Add	6.30	
23 36 16 00-0021 EA 14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls.....	2,521.30	204.14
For Hot Water Coils, Add	817.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0022 EA 16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls.....	2,565.71	204.14
For Hot Water Coils, Add	835.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024 EA 6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct.....	1,386.65	132.64
For Filters And Frames, Add	6.30	
23 36 16 00-0025 EA 8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct.....	1,518.78	151.03
For Filters And Frames, Add	6.30	
23 36 16 00-0026 EA 10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct.....	1,629.59	170.58
For Filters And Frames, Add	6.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0027 EA 12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct.....	1,788.43	190.28
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0028 EA 14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct.....	2,012.56	218.88
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0029 EA 16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct.....	2,219.40	262.65
<i>For Filters And Frames, Add</i>	6.30	
 23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) <small>(23 36 16 00-0001)</small>		
23 36 16 00-0031 EA 0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A).....	659.32	91.20
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0032 EA 0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B).....	716.42	100.32
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0033 EA 0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C).....	774.97	109.44
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0034 EA 0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D).....	835.04	118.56
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0035 EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E).....	896.79	127.68
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0036 EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F).....	960.29	136.80
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0037 EA 0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G).....	1,030.54	145.92
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0038 EA 0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H).....	1,098.30	155.04
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0039 EA 0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J).....	1,168.26	164.16
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0040 EA 0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K).....	1,240.55	173.28
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0041 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L).....	1,315.36	182.40
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0042 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M).....	1,392.83	191.52
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0043 EA 0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N).....	1,473.18	200.64
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0044 EA 0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P).....	1,549.96	209.76
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0045 EA 0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R).....	1,636.20	218.88
<i>For Filters And Frames, Add</i>	6.30	

23 37 Air Outlets and Inlets (23 30)

23 37 13 Diffusers, Registers, and Grilles (23 37)

23 37 13 13 Diffusers, Registers, and Grilles (23 37 13)

23 37 13 13-0001 Ceiling Diffusers (23 37 13 13)

23 37 13 13-0002 Ceiling Diffusers With Perforated Face (23 37 13 13-0001)

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003 EA 6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	130.16	18.97
<i>For Steel Construction, Deduct</i>	-8.27	
<i>For Surface Mount, Deduct</i>	-6.61	
<i>For Diffuser Without Damper, Deduct</i>	-11.02	
<i>For Stainless Steel, Add</i>	137.78	
23 37 13 13-0004 EA 8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	142.41	18.97
<i>For Steel Construction, Deduct</i>	-10.10	
<i>For Surface Mount, Deduct</i>	-8.08	
<i>For Diffuser Without Damper, Deduct</i>	-13.47	
<i>For Stainless Steel, Add</i>	168.40	
23 37 13 13-0005 EA 9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	142.41	18.97
<i>For Steel Construction, Deduct</i>	-10.10	
<i>For Surface Mount, Deduct</i>	-8.08	
<i>For Diffuser Without Damper, Deduct</i>	-13.47	
<i>For Stainless Steel, Add</i>	168.40	
23 37 13 13-0006 EA 10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	171.20	23.34
<i>For Steel Construction, Deduct</i>	-12.09	
<i>For Surface Mount, Deduct</i>	-9.68	
<i>For Diffuser Without Damper, Deduct</i>	-16.13	
<i>For Stainless Steel, Add</i>	201.58	
23 37 13 13-0007 EA 12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	171.20	21.88
<i>For Steel Construction, Deduct</i>	-12.09	
<i>For Surface Mount, Deduct</i>	-9.68	
<i>For Diffuser Without Damper, Deduct</i>	-16.13	
<i>For Stainless Steel, Add</i>	201.58	
23 37 13 13-0008 EA 16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	193.65	21.88
<i>For Steel Construction, Deduct</i>	-15.46	
<i>For Surface Mount, Deduct</i>	-12.37	
<i>For Diffuser Without Damper, Deduct</i>	-20.62	
<i>For Stainless Steel, Add</i>	257.70	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0009 EA 18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	224.55	29.19
For Steel Construction, Deduct	-16.63	
For Surface Mount, Deduct	-13.30	
For Diffuser Without Damper, Deduct	-22.17	
For Stainless Steel, Add	277.10	
23 37 13 13-0010 EA 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	257.79	30.64
For Steel Construction, Deduct	-20.76	
For Surface Mount, Deduct	-16.61	
For Diffuser Without Damper, Deduct	-27.68	
For Stainless Steel, Add	346.00	
23 37 13 13-0011 EA 24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	292.88	35.02
For Steel Construction, Deduct	-23.09	
For Surface Mount, Deduct	-18.47	
For Lay-In Mount, Deduct	-18.47	
For Diffuser Without Damper, Deduct	-30.78	
For Stainless Steel, Add	384.78	
23 37 13 13-0012 Ceiling Diffusers With Louver Face (23 37 13 13-0001)		
Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 13-0013 EA 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	134.25	18.97
For Steel Construction, Deduct	-8.88	
For Flush Mount, Add	8.88	
For Stainless Steel, Add	148.00	
23 37 13 13-0014 EA 8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	150.17	18.97
For Steel Construction, Deduct	-11.27	
For Flush Mount, Add	11.27	
For Stainless Steel, Add	187.80	
23 37 13 13-0015 EA 9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	150.17	18.97
For Steel Construction, Deduct	-11.27	
For Flush Mount, Add	11.27	
For Stainless Steel, Add	187.80	
23 37 13 13-0016 EA 10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	180.39	21.88
For Steel Construction, Deduct	-13.47	
For Flush Mount, Add	13.47	
For Stainless Steel, Add	224.55	
23 37 13 13-0017 EA 12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	180.39	23.34
For Steel Construction, Deduct	-13.47	
For Flush Mount, Add	13.47	
For Stainless Steel, Add	224.55	
23 37 13 13-0018 EA 24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	231.78	29.19
For Steel Construction, Deduct	-17.64	
For Flush Mount, Add	17.64	
For Stainless Steel, Add	293.95	
23 37 13 13-0019 EA 14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	210.14	29.19
For Steel Construction, Deduct	-14.39	
For Flush Mount, Add	14.39	
For Stainless Steel, Add	239.85	
23 37 13 13-0020 EA 18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	261.33	35.02
For Steel Construction, Deduct	-18.46	
For Flush Mount, Add	18.46	
For Stainless Steel, Add	307.73	
23 37 13 13-0021 EA 21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	298.85	39.39
For Steel Construction, Deduct	-22.96	
For Flush Mount, Add	22.96	
For Stainless Steel, Add	382.73	
23 37 13 13-0022 EA 24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	325.36	77.19
For Steel Construction, Deduct	-25.63	
For Flush Mount, Add	25.63	
For Lay-In Mount, Add	34.17	
For Stainless Steel, Add	427.13	
23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern (23 37 13 13-0001)		
Note: Aluminum construction.		
23 37 13 13-0024 EA 6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	207.55	18.97
For Steel Construction, Deduct	-39.75	
For Stainless Steel, Add	331.25	
23 37 13 13-0025 EA 8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	214.35	18.97
For Steel Construction, Deduct	-41.79	
For Stainless Steel, Add	348.25	
23 37 13 13-0026 EA 10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	243.45	23.34
For Steel Construction, Deduct	-45.86	
For Stainless Steel, Add	382.20	
23 37 13 13-0027 EA 12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	260.44	21.88
For Steel Construction, Deduct	-50.96	
For Stainless Steel, Add	424.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0028 EA 14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	366.67	26.27
For Steel Construction, Deduct	-78.48	
For Stainless Steel, Add	654.00	
23 37 13 13-0029 EA 16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	386.33	27.73
For Steel Construction, Deduct	-83.07	
For Stainless Steel, Add	692.23	
23 37 13 13-0030 EA 18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	406.38	29.19
For Steel Construction, Deduct	-87.65	
For Stainless Steel, Add	730.45	
23 37 13 13-0031 EA 20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	466.68	29.19
For Steel Construction, Deduct	-104.19	
For Stainless Steel, Add	868.23	
23 37 13 13-0032 EA 24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	554.12	33.56
For Steel Construction, Deduct	-126.84	
For Stainless Steel, Add	1,056.98	
23 37 13 13-0033 EA 28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	621.43	35.02
For Steel Construction, Deduct	-144.96	
For Stainless Steel, Add	1,207.98	
23 37 13 13-0034 EA 32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	739.62	39.39
For Steel Construction, Deduct	-175.53	
For Stainless Steel, Add	1,462.78	
23 37 13 13-0035 Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 13-0001)		
Note: Aluminum construction.		
23 37 13 13-0036 EA 6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	217.74	18.97
For Steel Construction, Deduct	-14.27	
For Flush Mount, Deduct	-7.13	
For Stainless Steel, Add	356.73	
23 37 13 13-0037 EA 8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	235.30	18.97
For Steel Construction, Deduct	-16.03	
For Flush Mount, Deduct	-8.01	
For Stainless Steel, Add	400.63	
23 37 13 13-0038 EA 10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	267.99	23.34
For Steel Construction, Deduct	-17.74	
For Flush Mount, Deduct	-8.87	
For Stainless Steel, Add	443.55	
23 37 13 13-0039 EA 12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	287.62	23.34
For Steel Construction, Deduct	-19.71	
For Flush Mount, Deduct	-9.85	
For Stainless Steel, Add	492.63	
23 37 13 13-0040 EA 14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	410.84	26.27
For Steel Construction, Deduct	-30.58	
For Flush Mount, Deduct	-15.29	
For Stainless Steel, Add	764.43	
23 37 13 13-0041 EA 16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	337.66	27.73
For Steel Construction, Deduct	-32.67	
For Flush Mount, Deduct	-16.34	
For Stainless Steel, Add	816.80	
23 37 13 13-0042 EA 18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	461.87	29.19
For Steel Construction, Deduct	-34.77	
For Flush Mount, Deduct	-17.38	
For Stainless Steel, Add	869.18	
23 37 13 13-0043 EA 20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	532.74	30.64
For Steel Construction, Deduct	-41.34	
For Flush Mount, Deduct	-20.67	
For Stainless Steel, Add	1,033.38	
23 37 13 13-0044 EA 24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	600.93	33.56
For Steel Construction, Deduct	-46.96	
For Flush Mount, Deduct	-23.48	
For Stainless Steel, Add	1,174.00	
23 37 13 13-0045 EA 28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	723.35	35.02
For Steel Construction, Deduct	-58.51	
For Flush Mount, Deduct	-29.26	
For Stainless Steel, Add	1,462.78	
23 37 13 13-0046 EA 32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	868.35	39.39
For Steel Construction, Deduct	-71.38	
For Flush Mount, Deduct	-35.69	
For Stainless Steel, Add	1,784.60	
23 37 13 13-0047 EA 36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	960.30	82.16
For Steel Construction, Deduct	-175.53	
For Stainless Steel, Add	1,990.35	
23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 13-0001)		
23 37 13 13-0049 LF 4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	173.30	21.88
For Stainless Steel, Add	214.35	
23 37 13 13-0050 LF 6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection.....	184.95	21.88
For Stainless Steel, Add	243.48	
23 37 13 13-0051 LF 9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection.....	199.30	21.88
For Stainless Steel, Add	279.35	
23 37 13 13-0052 LF 12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection.....	213.27	21.88
For Stainless Steel, Add	314.28	
23 37 13 13-0053 Wall And Floor Diffusers (23 37 13 13)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13	13-0054		Slot Type Linear Diffusers <small>(23 37 13 13-0053)</small>		
			Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		
23 37 13	13-0055	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	58.95	7.29
			For 3/4" Border, Add	7.08	
			For Floor Mounted Diffusers, Add	8.49	
			For Stainless Steel, Add	36.80	
23 37 13	13-0056	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	71.29	8.76
			For 3/4" Border, Add	9.44	
			For Floor Mounted Diffusers, Add	11.33	
			For Stainless Steel, Add	49.08	
23 37 13	13-0057	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	97.42	10.22
			For 3/4" Border, Add	14.87	
			For Floor Mounted Diffusers, Add	17.84	
			For Stainless Steel, Add	77.30	
23 37 13	13-0058	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	127.24	10.22
			For 3/4" Border, Add	21.24	
			For Floor Mounted Diffusers, Add	25.48	
			For Stainless Steel, Add	110.42	
23 37 13	13-0059	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	158.61	11.68
			For 3/4" Border, Add	27.61	
			For Floor Mounted Diffusers, Add	33.13	
			For Stainless Steel, Add	143.55	
23 37 13	13-0060	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	185.64	14.59
			For 3/4" Border, Add	32.56	
			For Floor Mounted Diffusers, Add	39.07	
			For Stainless Steel, Add	169.30	
23 37 13	13-0061		Linear Bar Grilles And Registers <small>(23 37 13 13-0053)</small>		
			Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13	13-0062	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	170.38	8.76
			For Floor Mount, Add	13.68	
			For Opposed Blade Damper, Add	27.37	
			For Stainless Steel, Add	177.89	
23 37 13	13-0063	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	203.11	10.22
			For Floor Mount, Add	16.52	
			For Opposed Blade Damper, Add	33.03	
			For Stainless Steel, Add	214.70	
23 37 13	13-0064	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	221.61	10.22
			For Floor Mount, Add	17.93	
			For Opposed Blade Damper, Add	35.86	
			For Stainless Steel, Add	233.10	
23 37 13	13-0065	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	272.47	14.59
			For Floor Mount, Add	21.71	
			For Opposed Blade Damper, Add	43.41	
			For Stainless Steel, Add	282.18	
23 37 13	13-0066	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	376.39	18.97
			For Floor Mount, Add	30.20	
			For Opposed Blade Damper, Add	60.40	
			For Stainless Steel, Add	392.59	
23 37 13	13-0067	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	435.03	21.88
			For Floor Mount, Add	34.45	
			For Opposed Blade Damper, Add	68.89	
			For Stainless Steel, Add	447.80	
23 37 13	13-0068		Return/Exhaust Registers And Grilles <small>(23 37 13 13)</small>		
23 37 13	13-0069		Return/Exhaust Registers With Frame <small>(23 37 13 13-0069)</small>		
			Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13	13-0070	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	121.26	11.68
			For Steel Construction, Deduct	-15.19	
			For Grilles (No Damper), Deduct	-30.39	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	7.60	
			For Cube Core Lay In, Add	15.19	
			For Stainless Steel, Add	189.93	
23 37 13	13-0071	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	137.78	11.68
			For Steel Construction, Deduct	-18.50	
			For Grilles (No Damper), Deduct	-37.00	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	9.25	
			For Cube Core Lay In, Add	18.50	
			For Stainless Steel, Add	231.23	
23 37 13	13-0072	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	154.92	13.13
			For Steel Construction, Deduct	-20.48	
			For Grilles (No Damper), Deduct	-40.96	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	10.24	
			For Cube Core Lay In, Add	20.48	
			For Stainless Steel, Add	255.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0073 EA 10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	163.48	14.59
For Steel Construction, Deduct	-20.48	
For Grilles (No Damper), Deduct	-40.96	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	10.24	
For Cube Core Lay In, Add	20.48	
For Stainless Steel, Add	255.98	
23 37 13 13-0074 EA 12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	156.88	14.59
For Steel Construction, Deduct	-19.16	
For Grilles (No Damper), Deduct	-38.32	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	9.58	
For Cube Core Lay In, Add	19.16	
For Stainless Steel, Add	239.48	
23 37 13 13-0075 EA 12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	200.57	18.97
For Steel Construction, Deduct	-25.10	
For Grilles (No Damper), Deduct	-50.21	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	12.55	
For Cube Core Lay In, Add	25.10	
For Stainless Steel, Add	313.80	
23 37 13 13-0076 EA 16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	240.43	21.88
For Steel Construction, Deduct	-29.97	
For Grilles (No Damper), Deduct	-59.94	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	14.99	
For Cube Core Lay In, Add	29.97	
For Stainless Steel, Add	374.65	
23 37 13 13-0077 EA 18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	293.34	26.27
For Steel Construction, Deduct	-37.65	
For Grilles (No Damper), Deduct	-75.31	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	18.83	
For Cube Core Lay In, Add	37.65	
For Stainless Steel, Add	470.68	
23 37 13 13-0078 EA 20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	342.19	29.19
For Steel Construction, Deduct	-45.60	
For Grilles (No Damper), Deduct	-91.20	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	22.80	
For Cube Core Lay In, Add	45.60	
For Stainless Steel, Add	569.98	
23 37 13 13-0079 EA 24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	310.09	29.19
For Steel Construction, Deduct	-38.14	
For Grilles (No Damper), Deduct	-76.28	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	19.07	
For Cube Core Lay In, Add	38.14	
For Stainless Steel, Add	476.75	
23 37 13 13-0080 EA 24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	350.60	29.19
For Steel Construction, Deduct	-46.24	
For Grilles (No Damper), Deduct	-92.48	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	23.12	
For Cube Core Lay In, Add	46.24	
For Stainless Steel, Add	578.03	
23 37 13 13-0081 EA 24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	370.97	33.56
For Steel Construction, Deduct	-47.93	
For Grilles (No Damper), Deduct	-95.86	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	23.96	
For Cube Core Lay In, Add	47.93	
For Stainless Steel, Add	599.10	
23 37 13 13-0082 EA 30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	392.92	35.02
For Steel Construction, Deduct	-50.94	
For Grilles (No Damper), Deduct	-101.87	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	25.47	
For Cube Core Lay In, Add	50.94	
For Stainless Steel, Add	636.70	
23 37 13 13-0083 EA 30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	451.77	39.39
For Steel Construction, Deduct	-59.45	
For Grilles (No Damper), Deduct	-118.90	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	29.73	
For Cube Core Lay In, Add	59.45	
For Stainless Steel, Add	743.15	
23 37 13 13-0084 EA 30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	509.32	46.70
For Steel Construction, Deduct	-64.34	
For Grilles (No Damper), Deduct	-128.68	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	32.17	
For Cube Core Lay In, Add	64.34	
For Stainless Steel, Add	804.25	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0085 EA 30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	649.18	46.70
For Steel Construction, Deduct	-92.31	
For Grilles (No Damper), Deduct	-184.62	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	46.16	
For Cube Core Lay In, Add	92.31	
For Stainless Steel, Add	1,153.90	
23 37 13 13-0086 EA 36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	549.57	51.07
For Steel Construction, Deduct	-69.50	
For Grilles (No Damper), Deduct	-139.01	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	34.75	
For Cube Core Lay In, Add	69.50	
For Stainless Steel, Add	868.80	
23 37 13 13-0087 EA 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	536.29	49.61
For Steel Construction, Deduct	-66.85	
For Grilles (No Damper), Deduct	-133.70	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	33.42	
For Cube Core Lay In, Add	66.85	
For Stainless Steel, Add	835.60	
23 37 13 13-0088 EA 36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	608.13	55.44
For Steel Construction, Deduct	-77.85	
For Grilles (No Damper), Deduct	-155.70	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	38.93	
For Cube Core Lay In, Add	77.85	
For Stainless Steel, Add	973.13	
23 37 13 13-0089 EA 36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	811.66	59.83
For Steel Construction, Deduct	-114.58	
For Grilles (No Damper), Deduct	-229.15	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	57.29	
For Cube Core Lay In, Add	114.58	
For Stainless Steel, Add	1,432.20	
23 37 13 13-0090 EA 24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	366.44	33.71
For Steel Construction, Deduct	-46.36	
For Grilles (No Damper), Deduct	-92.71	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	23.18	
For Cube Core Lay In, Add	46.36	
For Stainless Steel, Add	579.45	
23 37 13 13-0091 EA 32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	625.45	50.51
For Steel Construction, Deduct	-84.68	
For Grilles (No Damper), Deduct	-169.36	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	42.34	
For Cube Core Lay In, Add	84.68	
For Stainless Steel, Add	1,058.50	
23 37 13 13-0092 EA 48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	725.50	59.83
For Steel Construction, Deduct	-97.17	
For Grilles (No Damper), Deduct	-194.34	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	48.59	
For Cube Core Lay In, Add	97.17	
For Stainless Steel, Add	1,214.63	
23 37 13 13-0093 Return/Exhaust Registers Removable-Reversible <small>(23 37 13 13-0068)</small>		
Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.		
23 37 13 13-0094 EA 8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	112.67	11.68
For Steel Construction, Deduct	-6.74	
For Flat Frame, Deduct	-0.67	
For Grilles (No Damper), Deduct	-13.48	
For Stainless Steel, Add	168.45	
23 37 13 13-0095 EA 8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	112.67	11.68
For Steel Construction, Deduct	-6.74	
For Flat Frame, Deduct	-0.67	
For Grilles (No Damper), Deduct	-13.48	
For Stainless Steel, Add	168.45	
23 37 13 13-0096 EA 10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	137.75	13.13
For Steel Construction, Deduct	-8.52	
For Flat Frame, Deduct	-0.85	
For Grilles (No Damper), Deduct	-17.04	
For Stainless Steel, Add	213.05	
23 37 13 13-0097 EA 10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	158.20	16.05
For Steel Construction, Deduct	-9.71	
For Flat Frame, Deduct	-0.97	
For Grilles (No Damper), Deduct	-19.42	
For Stainless Steel, Add	242.78	
23 37 13 13-0098 EA 12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	156.22	14.59
For Steel Construction, Deduct	-9.51	
For Flat Frame, Deduct	-0.95	
For Grilles (No Damper), Deduct	-19.03	
For Stainless Steel, Add	237.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0099 EA 12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	201.89	18.97
<i>For Steel Construction, Deduct</i>	-12.68	
<i>For Flat Frame, Deduct</i>	-1.27	
<i>For Grilles (No Damper), Deduct</i>	-25.37	
<i>For Stainless Steel, Add</i>	317.10	
23 37 13 13-0100 EA 16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	319.80	23.34
<i>For Steel Construction, Deduct</i>	-22.92	
<i>For Flat Frame, Deduct</i>	-2.29	
<i>For Grilles (No Damper), Deduct</i>	-45.85	
<i>For Stainless Steel, Add</i>	573.08	
23 37 13 13-0101 EA 18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	384.51	26.27
<i>For Steel Construction, Deduct</i>	-27.94	
<i>For Flat Frame, Deduct</i>	-2.79	
<i>For Grilles (No Damper), Deduct</i>	-55.89	
<i>For Stainless Steel, Add</i>	698.60	
23 37 13 13-0102 EA 20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	433.28	29.19
<i>For Steel Construction, Deduct</i>	-31.91	
<i>For Flat Frame, Deduct</i>	-3.19	
<i>For Grilles (No Damper), Deduct</i>	-63.82	
<i>For Stainless Steel, Add</i>	797.70	
23 37 13 13-0103 EA 24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	365.14	29.19
<i>For Steel Construction, Deduct</i>	-24.58	
<i>For Flat Frame, Deduct</i>	-2.46	
<i>For Grilles (No Damper), Deduct</i>	-49.15	
<i>For Stainless Steel, Add</i>	614.38	
23 37 13 13-0104 EA 24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	484.05	30.64
<i>For Steel Construction, Deduct</i>	-36.47	
<i>For Flat Frame, Deduct</i>	-3.65	
<i>For Grilles (No Damper), Deduct</i>	-72.93	
<i>For Stainless Steel, Add</i>	911.65	
23 37 13 13-0105 EA 24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	563.37	33.56
<i>For Steel Construction, Deduct</i>	-43.20	
<i>For Flat Frame, Deduct</i>	-4.32	
<i>For Grilles (No Damper), Deduct</i>	-86.41	
<i>For Stainless Steel, Add</i>	1,080.10	
23 37 13 13-0106 EA 30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	439.48	35.02
<i>For Steel Construction, Deduct</i>	-30.12	
<i>For Flat Frame, Deduct</i>	-3.01	
<i>For Grilles (No Damper), Deduct</i>	-60.25	
<i>For Stainless Steel, Add</i>	753.10	
23 37 13 13-0107 EA 30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	588.44	39.39
<i>For Steel Construction, Deduct</i>	-44.39	
<i>For Flat Frame, Deduct</i>	-4.44	
<i>For Grilles (No Damper), Deduct</i>	-88.79	
<i>For Stainless Steel, Add</i>	1,109.83	
23 37 13 13-0108 EA 30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	720.73	46.70
<i>For Steel Construction, Deduct</i>	-53.31	
<i>For Flat Frame, Deduct</i>	-5.33	
<i>For Grilles (No Damper), Deduct</i>	-106.62	
<i>For Stainless Steel, Add</i>	1,332.78	
23 37 13 13-0109 EA 30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	820.82	46.70
<i>For Steel Construction, Deduct</i>	-63.32	
<i>For Flat Frame, Deduct</i>	-6.33	
<i>For Grilles (No Damper), Deduct</i>	-126.64	
<i>For Stainless Steel, Add</i>	1,583.00	
23 37 13 13-0110 EA 36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	572.65	49.61
<i>For Steel Construction, Deduct</i>	-37.06	
<i>For Flat Frame, Deduct</i>	-3.71	
<i>For Grilles (No Damper), Deduct</i>	-74.12	
<i>For Stainless Steel, Add</i>	926.50	
23 37 13 13-0111 EA 36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	762.91	49.61
<i>For Steel Construction, Deduct</i>	-56.09	
<i>For Flat Frame, Deduct</i>	-5.61	
<i>For Grilles (No Damper), Deduct</i>	-112.17	
<i>For Stainless Steel, Add</i>	1,402.15	
23 37 13 13-0112 EA 36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	880.81	55.44
<i>For Steel Construction, Deduct</i>	-66.19	
<i>For Flat Frame, Deduct</i>	-6.62	
<i>For Grilles (No Damper), Deduct</i>	-132.39	
<i>For Stainless Steel, Add</i>	1,654.83	
23 37 13 13-0113 EA 36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,026.56	59.83
<i>For Steel Construction, Deduct</i>	-78.78	
<i>For Flat Frame, Deduct</i>	-7.88	
<i>For Grilles (No Damper), Deduct</i>	-157.56	
<i>For Stainless Steel, Add</i>	1,969.45	
23 37 13 13-0114 EA 36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,082.05	59.83
<i>For Steel Construction, Deduct</i>	-84.33	
<i>For Flat Frame, Deduct</i>	-8.43	
<i>For Grilles (No Damper), Deduct</i>	-168.65	
<i>For Stainless Steel, Add</i>	2,108.18	
23 37 13 13-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles <small>(23 37 13 13-0068)</small>		
23 37 13 13-0116 EA 6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	65.39	14.27
23 37 13 13-0117 EA 8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	65.39	14.27
23 37 13 13-0118 EA 8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	70.47	14.27

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 37 13 13-0119	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	72.50	14.27
23 37 13 13-0120	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	70.47	14.27
23 37 13 13-0121	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	72.50	14.27
23 37 13 13-0122	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	87.99	18.70
23 37 13 13-0123	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	90.02	18.70
23 37 13 13-0124	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	85.96	18.70
23 37 13 13-0125	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	90.02	18.70
23 37 13 13-0126	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	92.06	18.70
23 37 13 13-0127	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	94.09	18.70
23 37 13 13-0128	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	91.04	18.70
23 37 13 13-0129	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	95.10	18.70
23 37 13 13-0130	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	97.13	18.70
23 37 13 13-0131	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	106.27	18.70
23 37 13 13-0132	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	95.10	18.70
23 37 13 13-0133	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	102.21	18.70
23 37 13 13-0134	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	106.27	18.70
23 37 13 13-0135	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	138.25	27.57
23 37 13 13-0136	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	140.28	27.57
23 37 13 13-0137	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	136.22	27.57
23 37 13 13-0138	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	165.92	32.02
23 37 13 13-0139	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	134.19	27.57
23 37 13 13-0140	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	176.08	32.02
23 37 13 13-0141	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	93.07	18.70
23 37 13 13-0142	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	136.22	27.57
23 37 13 13-0143	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	197.66	36.46
23 37 13 13-0144	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	134.19	27.57
23 37 13 13-0145	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	138.25	27.57
23 37 13 13-0146	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	159.83	32.02
		<i>For Lay-In Installation, Deduct</i>	-67.51	
23 37 13 13-0147	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	165.92	32.02
23 37 13 13-0148	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	185.47	36.46
23 37 13 13-0149	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	191.57	36.46
23 37 13 13-0150	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	198.68	36.46
23 37 13 13-0151	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	211.88	36.46
		<i>For Lay-In Installation, Deduct</i>	-77.29	
23 37 13 13-0152	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	162.87	32.02
23 37 13 13-0153	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	258.19	39.96
23 37 13 13-0154	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	432.35	48.83
		<i>For Lay-In Installation, Deduct</i>	-111.23	

23 37 13 13-0155 Supply Registers and Grilles (23 37 13 13)**23 37 13 13-0156 Adjustable Curved Blade Register (23 37 13 13-0156)**

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0157	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	102.97	11.68
		<i>For Steel Construction, Deduct</i>	-8.66	
		<i>For Lay In Frame, Deduct</i>	-14.44	
		<i>For Three Way Pattern, Deduct</i>	-5.78	
		<i>For Two Way Pattern, Deduct</i>	-4.62	
		<i>For One Way Pattern, Deduct</i>	-4.62	
		<i>For Grille (No Damper), Deduct</i>	-8.66	
		<i>For Stainless Steel, Add</i>	144.40	
23 37 13 13-0158	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	106.36	11.68
		<i>For Steel Construction, Deduct</i>	-9.17	
		<i>For Lay In Frame, Deduct</i>	-15.29	
		<i>For Three Way Pattern, Deduct</i>	-6.12	
		<i>For Two Way Pattern, Deduct</i>	-4.89	
		<i>For One Way Pattern, Deduct</i>	-4.89	
		<i>For Grille (No Damper), Deduct</i>	-9.17	
		<i>For Stainless Steel, Add</i>	152.88	
23 37 13 13-0159	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	118.99	16.05
		<i>For Steel Construction, Deduct</i>	-8.66	
		<i>For Lay In Frame, Deduct</i>	-14.44	
		<i>For Three Way Pattern, Deduct</i>	-5.78	
		<i>For Two Way Pattern, Deduct</i>	-4.62	
		<i>For One Way Pattern, Deduct</i>	-4.62	
		<i>For Grille (No Damper), Deduct</i>	-8.66	
		<i>For Stainless Steel, Add</i>	144.40	
23 37 13 13-0160	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	131.44	14.59
		<i>For Steel Construction, Deduct</i>	-10.53	
		<i>For Lay In Frame, Deduct</i>	-17.55	
		<i>For Three Way Pattern, Deduct</i>	-7.02	
		<i>For Two Way Pattern, Deduct</i>	-5.62	
		<i>For One Way Pattern, Deduct</i>	-5.62	
		<i>For Grille (No Damper), Deduct</i>	-10.53	
		<i>For Stainless Steel, Add</i>	175.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0161 EA 12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	158.20	18.97
For Steel Construction, Deduct	-12.57	
For Lay In Frame, Deduct	-20.95	
For Three Way Pattern, Deduct	-8.38	
For Two Way Pattern, Deduct	-6.70	
For One Way Pattern, Deduct	-6.70	
For Grille (No Damper), Deduct	-12.57	
For Stainless Steel, Add	209.50	
23 37 13 13-0162 EA 14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	194.76	21.88
For Steel Construction, Deduct	-15.63	
For Lay In Frame, Deduct	-26.05	
For Three Way Pattern, Deduct	-10.42	
For Two Way Pattern, Deduct	-8.34	
For One Way Pattern, Deduct	-8.34	
For Grille (No Damper), Deduct	-15.63	
For Stainless Steel, Add	260.48	
23 37 13 13-0163 EA 16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	194.76	21.88
For Steel Construction, Deduct	-15.63	
For Lay In Frame, Deduct	-26.05	
For Three Way Pattern, Deduct	-10.42	
For Two Way Pattern, Deduct	-8.34	
For One Way Pattern, Deduct	-8.34	
For Grille (No Damper), Deduct	-15.63	
For Stainless Steel, Add	260.48	
23 37 13 13-0164 EA 18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	240.55	29.19
For Steel Construction, Deduct	-19.03	
For Lay In Frame, Deduct	-31.71	
For Three Way Pattern, Deduct	-12.68	
For Two Way Pattern, Deduct	-10.15	
For One Way Pattern, Deduct	-10.15	
For Grille (No Damper), Deduct	-19.03	
For Stainless Steel, Add	317.10	
23 37 13 13-0165 EA 24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	310.78	30.64
For Steel Construction, Deduct	-28.71	
For Lay In Frame, Deduct	-47.85	
For Three Way Pattern, Deduct	-19.14	
For Two Way Pattern, Deduct	-15.31	
For One Way Pattern, Deduct	-15.31	
For Grille (No Damper), Deduct	-28.71	
For Stainless Steel, Add	478.48	
23 37 13 13-0166 EA 30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	491.24	61.87
For Steel Construction, Deduct	-55.12	
For Lay In Frame, Deduct	-91.87	
For Three Way Pattern, Deduct	-36.75	
For Two Way Pattern, Deduct	-29.40	
For One Way Pattern, Deduct	-29.40	
For Grille (No Damper), Deduct	-55.12	
For Stainless Steel, Add	918.73	
23 37 13 13-0167 Removable-Reversible Core Registers <small>(23 37 13 13-0155)</small>		
Note: Double deflection radiused frame aluminum construction.		
23 37 13 13-0168 EA 6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	117.69	11.68
For Steel Construction, Deduct	-7.25	
For Flat Frame, Deduct	-7.25	
For Grille (No Damper), Deduct	-21.74	
For Stainless Steel, Add	181.20	
23 37 13 13-0169 EA 8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	147.13	11.68
For Steel Construction, Deduct	-10.19	
For Flat Frame, Deduct	-10.19	
For Grille (No Damper), Deduct	-30.58	
For Stainless Steel, Add	254.80	
23 37 13 13-0170 EA 12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	188.07	16.05
For Steel Construction, Deduct	-12.68	
For Flat Frame, Deduct	-12.68	
For Grille (No Damper), Deduct	-38.05	
For Stainless Steel, Add	317.10	
23 37 13 13-0171 EA 10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	190.33	16.05
For Steel Construction, Deduct	-12.91	
For Flat Frame, Deduct	-12.91	
For Grille (No Damper), Deduct	-38.73	
For Stainless Steel, Add	322.75	
23 37 13 13-0172 EA 12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	242.01	18.97
For Steel Construction, Deduct	-16.76	
For Flat Frame, Deduct	-16.76	
For Grille (No Damper), Deduct	-50.28	
For Stainless Steel, Add	419.03	
23 37 13 13-0173 EA 14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	341.98	23.34
For Steel Construction, Deduct	-25.14	
For Flat Frame, Deduct	-25.14	
For Grille (No Damper), Deduct	-75.42	
For Stainless Steel, Add	628.53	
23 37 13 13-0174 EA 16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	382.75	21.88
For Steel Construction, Deduct	-29.22	
For Flat Frame, Deduct	-29.22	
For Grille (No Damper), Deduct	-87.65	
For Stainless Steel, Add	730.45	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0175 EA 18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	462.51	29.19
For Steel Construction, Deduct	-34.88	
For Flat Frame, Deduct	-34.88	
For Grille (No Damper), Deduct	-104.64	
For Stainless Steel, Add	872.00	
23 37 13 13-0176 EA 24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	579.18	29.19
For Steel Construction, Deduct	-45.98	
For Flat Frame, Deduct	-45.98	
For Grille (No Damper), Deduct	-137.94	
For Stainless Steel, Add	1,149.48	
23 37 13 13-0177 Adjustable Shutter Blade Registers (23 37 13 13-0155)		
Note: Double deflection flat frame aluminum construction.		
23 37 13 13-0178 EA 6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	177.33	11.68
For Steel Construction, Deduct	-13.21	
For Single Deflection, Deduct	-26.42	
For Grille (No Damper), Deduct	-19.82	
For Stainless Steel, Add	330.30	
23 37 13 13-0179 EA 8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	203.76	11.68
For Steel Construction, Deduct	-15.86	
For Single Deflection, Deduct	-31.71	
For Grille (No Damper), Deduct	-23.78	
For Stainless Steel, Add	396.38	
23 37 13 13-0180 EA 12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	219.78	16.05
For Steel Construction, Deduct	-15.86	
For Single Deflection, Deduct	-31.71	
For Grille (No Damper), Deduct	-23.78	
For Stainless Steel, Add	396.38	
23 37 13 13-0181 EA 10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	227.33	14.59
For Steel Construction, Deduct	-16.61	
For Single Deflection, Deduct	-33.22	
For Grille (No Damper), Deduct	-24.92	
For Stainless Steel, Add	415.25	
23 37 13 13-0182 EA 12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	278.25	18.97
For Steel Construction, Deduct	-20.39	
For Single Deflection, Deduct	-40.77	
For Grille (No Damper), Deduct	-30.58	
For Stainless Steel, Add	509.63	
23 37 13 13-0183 EA 14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	369.91	21.88
For Steel Construction, Deduct	-27.93	
For Single Deflection, Deduct	-55.87	
For Grille (No Damper), Deduct	-41.90	
For Stainless Steel, Add	698.35	
23 37 13 13-0184 EA 16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	434.09	23.34
For Steel Construction, Deduct	-34.35	
For Single Deflection, Deduct	-68.70	
For Grille (No Damper), Deduct	-51.53	
For Stainless Steel, Add	858.80	
23 37 13 13-0185 EA 18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	536.50	29.19
For Steel Construction, Deduct	-42.28	
For Single Deflection, Deduct	-84.56	
For Grille (No Damper), Deduct	-63.42	
For Stainless Steel, Add	1,056.98	
23 37 13 13-0186 EA 24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	734.70	30.64
For Steel Construction, Deduct	-61.53	
For Single Deflection, Deduct	-123.06	
For Grille (No Damper), Deduct	-92.30	
For Stainless Steel, Add	1,538.28	
23 37 13 13-0187 Air Conditioning And Ventilation (23 37 13 13-0155)		
23 37 13 13-0188 EA 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	110.64	30.64
For Stainless Steel, Add	123.53	
23 37 13 13-0189 EA 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	190.01	45.60
For Stainless Steel, Add	247.03	
23 37 13 13-0190 EA 30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	292.37	63.84
For Stainless Steel, Add	411.73	
23 37 13 13-0191 EA 48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	718.57	87.56
For Stainless Steel, Add	1,358.68	
23 37 13 13-0192 Square Wall Return Air And Exhaust Grilles (23 37 13 13-0155)		
Note: Egg crate design aluminum construction.		
23 37 13 13-0193 EA 8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	102.75	36.53
23 37 13 13-0194 EA 12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	111.89	36.53
23 37 13 13-0195 EA 18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	166.68	54.79
23 37 13 13-0196 EA 24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	212.36	54.79
23 37 13 13-0197 EA 28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	351.67	73.06
23 37 13 13-0198 EA 36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	627.63	72.96
23 37 13 13-0199 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 13-0155)		
Note: Aluminum construction.		
23 37 13 13-0200 EA 12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction.....	261.44	26.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0201 EA 14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction.....	295.41	26.30
23 37 13 13-0202 EA 18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction.....	354.70	29.22
23 37 13 13-0203 EA 24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction.....	415.06	29.22
23 37 13 13-0204 EA 36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction.....	539.87	91.32
23 37 13 13-0205 Square Ceiling Return Air And Exhaust Grilles (23 37 13 13-0155)		
Note: Egg crate design, plastic construction.		
23 37 13 13-0206 EA 24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	53.31	17.48
23 37 13 13-0207 EA 24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	75.23	17.63
23 37 13 13-0208 Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 13-0155)		
Note: Painted steel louvers and frame.		
23 37 13 13-0209 EA 12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	148.07	26.30
23 37 13 13-0210 EA 12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	189.71	26.30
23 37 13 13-0211 EA 18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	231.24	27.76
23 37 13 13-0212 EA 24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	310.51	33.17
23 37 13 13-0213 EA 24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	346.30	60.93
23 37 13 13-0214 Stainless Steel Devices (23 37 13 13-0155)		
23 37 13 13-0215 304 Stainless Steel, Louvered Partition/Door Grilles (23 37 13 13-0214)		
23 37 13 13-0216 SF Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	187.10	22.79
For 316 Stainless Steel, Add		29.82
23 37 13 13-0217 SF >4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	159.89	22.79
For 316 Stainless Steel, Add		24.38
23 37 13 13-0218 304 Stainless Steel, Single Deflection Supply Grilles (23 37 13 13-0214)		
23 37 13 13-0219 SF Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	144.82	22.79
For 316 Stainless Steel, Add		21.37
23 37 13 13-0220 SF >4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	125.03	22.79
For 316 Stainless Steel, Add		17.41
23 37 13 13-0221 304 Stainless Steel, Double Deflection Supply Grilles (23 37 13 13-0214)		
23 37 13 13-0222 SF Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	206.02	22.79
For 316 Stainless Steel, Add		33.61
23 37 13 13-0223 SF >4 SF, 304 Stainless Steel, Double Deflection Supply Grille	177.46	22.79
For 316 Stainless Steel, Add		27.89
23 37 13 13-0224 304 Stainless Steel Return Grilles (23 37 13 13-0214)		
23 37 13 13-0225 SF Up To 4 SF, 304 Stainless Steel Return Grille.....	144.82	22.79
For 316 Stainless Steel, Add		21.37
23 37 13 13-0226 SF >4 SF, 304 Stainless Steel Return Grille.....	125.03	22.79
For 316 Stainless Steel, Add		17.41
23 37 13 13-0227 304 Stainless Steel, Louvered Supply/Return Grilles (23 37 13 13-0214)		
23 37 13 13-0228 SF Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille.....	144.82	22.79
For 316 Stainless Steel, Add		21.37
23 37 13 13-0229 SF >4 SF, 304 Stainless Steel, Louvered Supply/Return Grille.....	125.03	22.79
For 316 Stainless Steel, Add		17.41
23 37 13 13-0230 304 Stainless Steel, Perforated Return Grilles (23 37 13 13-0214)		
23 37 13 13-0231 SF Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	144.82	22.79
For 316 Stainless Steel, Add		21.37
23 37 13 13-0232 SF >4 SF, 304 Stainless Steel, Perforated Return Grille.....	119.59	22.79
For 316 Stainless Steel, Add		16.32
23 37 13 13-0233 304 Stainless Steel, Perforated Supply Grilles (23 37 13 13-0214)		
23 37 13 13-0234 SF Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille.....	172.64	22.79
For 316 Stainless Steel, Add		26.93
23 37 13 13-0235 SF >4 SF, 304 Stainless Steel, Perforated Supply Grille.....	122.49	22.79
For 316 Stainless Steel, Add		16.90
23 37 13 13-0236 304 Stainless Steel, Door Grilles (23 37 13 13-0214)		
23 37 13 13-0237 SF Up To 4 SF, 304 Stainless Steel, Door Grille.....	251.64	22.79
For 316 Stainless Steel, Add		42.73
23 37 13 13-0238 SF >4 SF, 304 Stainless Steel, Door Grille.....	212.08	22.79
For 316 Stainless Steel, Add		34.82
23 37 13 13-0239 304 Stainless Steel, Linear Bar Grilles (23 37 13 13-0214)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0240 SF Up To 4 SF, 304 Stainless Steel, Linear Bar Grille.....	318.04	22.79
<i>For 316 Stainless Steel, Add</i>	56.01	
23 37 13 13-0241 SF >4 SF, 304 Stainless Steel, Linear Bar Grille.....	274.14	22.79
<i>For 316 Stainless Steel, Add</i>	47.23	
23 37 13 13-0242 304 Stainless Steel, Hinged Filter Grilles (23 37 13 13-0214)		
23 37 13 13-0243 SF Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille.....	237.18	22.79
<i>For 316 Stainless Steel, Add</i>	39.84	
23 37 13 13-0244 SF >4 SF, 304 Stainless Steel, Hinged Filter Grille.....	167.94	22.79
<i>For 316 Stainless Steel, Add</i>	25.99	
23 37 13 13-0245 304 Stainless Steel, Opposed Blade Dampers Grilles (23 37 13 13-0214)		
23 37 13 13-0246 SF Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille.....	133.69	22.79
<i>For 316 Stainless Steel, Add</i>	19.14	
23 37 13 13-0247 SF Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF.....	104.89	22.79
<i>For 316 Stainless Steel, Add</i>	13.38	
23 37 13 13-0248 304 Stainless Steel, Plaster Frames Replacement (23 37 13 13-0214)		
Note: For frequent replacement.		
23 37 13 13-0249 SF To 4 SF, 304 Stainless Steel, Plaster Frames Replacement.....	106.98	22.79
<i>For 316 Stainless Steel, Add</i>	13.80	
23 37 13 13-0250 SF >4 SF, 304 Stainless Steel, Plaster Frames Replacement.....	62.84	22.79
<i>For 316 Stainless Steel, Add</i>	4.97	
23 37 13 13-0251 304 Stainless Steel, Modular Louvered Ceiling Diffusers (23 37 13 13-0214)		
23 37 13 13-0252 SF Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser.....	233.84	22.79
<i>For 316 Stainless Steel, Add</i>	39.17	
23 37 13 13-0253 SF >4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser.....	185.75	22.79
<i>For 316 Stainless Steel, Add</i>	29.55	
23 37 13 13-0254 304 Stainless Steel, Latticed Supply/Return Grilles (23 37 13 13-0214)		
23 37 13 13-0255 SF Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille.....	90.29	22.79
<i>For 316 Stainless Steel, Add</i>	10.46	
23 37 13 13-0256 SF >4 SF, 304 Stainless Steel, Latticed Supply/Return Grille.....	90.29	22.79
<i>For 316 Stainless Steel, Add</i>	10.46	
23 37 13 13-0257 Removal And Reinstallation Of Distribution Devices (23 37 13 13)		
Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 13-0258 EA Removal And Reinstallation Of Variable Air Volume Terminal Unit.....	273.60	
23 37 13 13-0259 EA Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit.....	301.76	
23 37 13 13-0260 EA Removal And Reinstallation Of Lay-in Diffuser/Register/Grille.....	45.23	
23 37 13 13-0261 EA Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille.....	61.26	
23 37 13 43 Security Registers and Grilles (23 37 13)		
23 37 13 43-0001 Security Supply Or Return Grille (23 37 13 43)		
Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 43-0002 EA 8" x 4" Steel Security Grille.....	281.12	21.92
<i>For Anchoring Tabs, Add</i>	23.73	
<i>For Rear Operated Opposed Blade Damper, Add</i>	87.43	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	59.32	
<i>For Stainless Steel, Add</i>	308.48	
23 37 13 43-0003 EA 8" x 6" Steel Security Grille.....	311.35	22.64
<i>For Anchoring Tabs, Add</i>	26.61	
<i>For Rear Operated Opposed Blade Damper, Add</i>	97.65	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	66.51	
<i>For Stainless Steel, Add</i>	345.87	
23 37 13 43-0004 EA 8" x 8" Steel Security Grille.....	356.74	25.57
<i>For Anchoring Tabs, Add</i>	30.56	
<i>For Rear Operated Opposed Blade Damper, Add</i>	112.07	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	76.40	
<i>For Stainless Steel, Add</i>	397.28	
23 37 13 43-0005 EA 10" x 4" Steel Security Grille.....	312.13	24.83
<i>For Anchoring Tabs, Add</i>	26.25	
<i>For Rear Operated Opposed Blade Damper, Add</i>	96.83	
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
<i>For 1" x 1" Square Holes On Face, Add</i>	65.61	
<i>For Stainless Steel, Add</i>	341.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0006 EA 10" x 6" Steel Security Grille	333.03	26.30
For Anchoring Tabs, Add	28.04	
For Rear Operated Opposed Blade Damper, Add	103.41	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	70.11	
For Stainless Steel, Add	364.56	
23 37 13 43-0007 EA 10" x 8" Steel Security Grille	380.55	28.49
For Anchoring Tabs, Add	32.36	
For Rear Operated Opposed Blade Damper, Add	118.95	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	80.89	
For Stainless Steel, Add	420.64	
23 37 13 43-0008 EA 10" x 10" Steel Security Grille	424.48	30.69
For Anchoring Tabs, Add	36.31	
For Rear Operated Opposed Blade Damper, Add	133.23	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	90.78	
For Stainless Steel, Add	472.06	
23 37 13 43-0009 EA 12" x 4" Steel Security Grille	328.76	27.76
For Anchoring Tabs, Add	27.32	
For Rear Operated Opposed Blade Damper, Add	101.19	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	68.31	
For Stainless Steel, Add	355.21	
23 37 13 43-0010 EA 12" x 6" Steel Security Grille	366.96	30.69
For Anchoring Tabs, Add	30.56	
For Rear Operated Opposed Blade Damper, Add	113.10	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	76.40	
For Stainless Steel, Add	397.28	
23 37 13 43-0011 EA 12" x 8" Steel Security Grille	418.08	32.88
For Anchoring Tabs, Add	35.23	
For Rear Operated Opposed Blade Damper, Add	129.89	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	88.08	
For Stainless Steel, Add	458.03	
23 37 13 43-0012 EA 12" x 10" Steel Security Grille	454.82	35.07
For Anchoring Tabs, Add	38.47	
For Rear Operated Opposed Blade Damper, Add	141.65	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	96.17	
For Stainless Steel, Add	500.10	
23 37 13 43-0013 EA 12" x 12" Steel Security Grille	502.34	37.26
For Anchoring Tabs, Add	42.78	
For Rear Operated Opposed Blade Damper, Add	157.19	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	106.96	
For Stainless Steel, Add	556.18	
23 37 13 43-0014 EA 14" x 4" Steel Security Grille	351.12	29.95
For Anchoring Tabs, Add	29.12	
For Rear Operated Opposed Blade Damper, Add	107.92	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	72.81	
For Stainless Steel, Add	378.59	
23 37 13 43-0015 EA 14" x 6" Steel Security Grille	395.05	32.14
For Anchoring Tabs, Add	33.08	
For Rear Operated Opposed Blade Damper, Add	122.20	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	82.69	
For Stainless Steel, Add	429.99	
23 37 13 43-0016 EA 14" x 8" Steel Security Grille	440.44	35.07
For Anchoring Tabs, Add	37.03	
For Rear Operated Opposed Blade Damper, Add	136.62	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	92.58	
For Stainless Steel, Add	481.40	
23 37 13 43-0017 EA 14" x 10" Steel Security Grille	496.61	37.99
For Anchoring Tabs, Add	42.06	
For Rear Operated Opposed Blade Damper, Add	154.82	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	105.16	
For Stainless Steel, Add	546.83	
23 37 13 43-0018 EA 14" x 12" Steel Security Grille	547.06	41.64
For Anchoring Tabs, Add	46.38	
For Rear Operated Opposed Blade Damper, Add	170.65	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	115.95	
For Stainless Steel, Add	602.93	
23 37 13 43-0019 EA 14" x 14" Steel Security Grille	588.86	44.56
For Anchoring Tabs, Add	49.97	
For Rear Operated Opposed Blade Damper, Add	183.82	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	124.94	
For Stainless Steel, Add	649.66	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0020	EA		16" x 6" Steel Security Grille	422.46	35.07
			<i>For Anchoring Tabs, Add</i>	35.23	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	130.33	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	88.08	
			<i>For Stainless Steel, Add</i>	458.03	
23 37 13 43-0021	EA		16" x 8" Steel Security Grille	482.23	37.99
			<i>For Anchoring Tabs, Add</i>	40.63	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	149.79	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	101.57	
			<i>For Stainless Steel, Add</i>	528.14	
23 37 13 43-0022	EA		16" x 10" Steel Security Grille	520.43	40.91
			<i>For Anchoring Tabs, Add</i>	43.86	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	161.70	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	109.66	
			<i>For Stainless Steel, Add</i>	570.21	
23 37 13 43-0023	EA		16" x 12" Steel Security Grille	585.94	43.10
			<i>For Anchoring Tabs, Add</i>	49.97	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	183.53	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	124.94	
			<i>For Stainless Steel, Add</i>	649.66	
23 37 13 43-0024	EA		16" x 14" Steel Security Grille	620.54	46.02
			<i>For Anchoring Tabs, Add</i>	52.85	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	194.18	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	132.13	
			<i>For Stainless Steel, Add</i>	687.05	
23 37 13 43-0025	EA		16" x 16" Steel Security Grille	673.12	48.95
			<i>For Anchoring Tabs, Add</i>	57.52	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	211.12	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	143.81	
			<i>For Stainless Steel, Add</i>	747.81	
23 37 13 43-0026	EA		18" x 6" Steel Security Grille	449.20	39.44
			<i>For Anchoring Tabs, Add</i>	37.03	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	137.50	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	92.58	
			<i>For Stainless Steel, Add</i>	481.40	
23 37 13 43-0027	EA		18" x 8" Steel Security Grille	512.57	42.37
			<i>For Anchoring Tabs, Add</i>	42.78	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	158.21	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	106.96	
			<i>For Stainless Steel, Add</i>	556.18	
23 37 13 43-0028	EA		18" x 10" Steel Security Grille	561.56	45.30
			<i>For Anchoring Tabs, Add</i>	47.10	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	173.90	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	117.75	
			<i>For Stainless Steel, Add</i>	612.27	
23 37 13 43-0029	EA		18" x 12" Steel Security Grille	617.73	48.21
			<i>For Anchoring Tabs, Add</i>	52.13	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	192.10	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	130.33	
			<i>For Stainless Steel, Add</i>	677.70	
23 37 13 43-0030	EA		18" x 14" Steel Security Grille	659.41	47.49
			<i>For Anchoring Tabs, Add</i>	56.45	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	207.05	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	141.11	
			<i>For Stainless Steel, Add</i>	733.79	
23 37 13 43-0031	EA		18" x 16" Steel Security Grille	721.33	49.68
			<i>For Anchoring Tabs, Add</i>	62.20	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	227.63	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	155.50	
			<i>For Stainless Steel, Add</i>	808.57	
23 37 13 43-0032	EA		18" x 18" Steel Security Grille	772.45	51.87
			<i>For Anchoring Tabs, Add</i>	66.87	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	244.43	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	167.18	
			<i>For Stainless Steel, Add</i>	869.34	
23 37 13 43-0033	EA		20" x 6" Steel Security Grille	481.68	43.10
			<i>For Anchoring Tabs, Add</i>	39.55	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	147.04	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	98.87	
			<i>For Stainless Steel, Add</i>	514.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0034 EA 20" x 8" Steel Security Grille	544.37	47.49
For Anchoring Tabs, Add	44.94	
For Rear Operated Opposed Blade Damper, Add	166.79	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	112.35	
For Stainless Steel, Add	584.23	
23 37 13 43-0035 EA 20" x 10" Steel Security Grille	599.09	49.68
For Anchoring Tabs, Add	49.97	
For Rear Operated Opposed Blade Damper, Add	184.64	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	124.94	
For Stainless Steel, Add	649.66	
23 37 13 43-0036 EA 20" x 12" Steel Security Grille	658.86	52.60
For Anchoring Tabs, Add	55.37	
For Rear Operated Opposed Blade Damper, Add	204.30	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	138.42	
For Stainless Steel, Add	719.77	
23 37 13 43-0037 EA 20" x 14" Steel Security Grille	724.36	54.79
For Anchoring Tabs, Add	61.48	
For Rear Operated Opposed Blade Damper, Add	226.13	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	153.70	
For Stainless Steel, Add	799.23	
23 37 13 43-0038 EA 20" x 16" Steel Security Grille	782.68	56.98
For Anchoring Tabs, Add	66.87	
For Rear Operated Opposed Blade Damper, Add	245.45	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	167.18	
For Stainless Steel, Add	869.34	
23 37 13 43-0039 EA 20" x 18" Steel Security Grille	837.39	59.17
For Anchoring Tabs, Add	71.91	
For Rear Operated Opposed Blade Damper, Add	263.50	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	179.76	
For Stainless Steel, Add	934.77	
23 37 13 43-0040 EA 20" x 20" Steel Security Grille	902.90	61.36
For Anchoring Tabs, Add	78.02	
For Rear Operated Opposed Blade Damper, Add	285.33	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	195.04	
For Stainless Steel, Add	1,014.22	
23 37 13 43-0041 EA 24" x 6" Steel Security Grille	535.04	48.21
For Anchoring Tabs, Add	43.86	
For Rear Operated Opposed Blade Damper, Add	163.16	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	109.66	
For Stainless Steel, Add	570.21	
23 37 13 43-0042 EA 24" x 8" Steel Security Grille	604.92	52.60
For Anchoring Tabs, Add	49.97	
For Rear Operated Opposed Blade Damper, Add	185.43	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	124.94	
For Stainless Steel, Add	649.66	
23 37 13 43-0043 EA 24" x 10" Steel Security Grille	661.78	54.06
For Anchoring Tabs, Add	55.37	
For Rear Operated Opposed Blade Damper, Add	204.60	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	138.42	
For Stainless Steel, Add	719.77	
23 37 13 43-0044 EA 24" x 12" Steel Security Grille	741.77	59.90
For Anchoring Tabs, Add	62.20	
For Rear Operated Opposed Blade Damper, Add	229.67	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	155.50	
For Stainless Steel, Add	808.57	
23 37 13 43-0045 EA 24" x 14" Steel Security Grille	800.08	62.10
For Anchoring Tabs, Add	67.59	
For Rear Operated Opposed Blade Damper, Add	248.99	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	168.98	
For Stainless Steel, Add	878.68	
23 37 13 43-0046 EA 24" x 16" Steel Security Grille	872.77	64.29
For Anchoring Tabs, Add	74.42	
For Rear Operated Opposed Blade Damper, Add	273.33	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	186.06	
For Stainless Steel, Add	967.49	
23 37 13 43-0047 EA 24" x 18" Steel Security Grille	956.24	66.48
For Anchoring Tabs, Add	82.33	
For Rear Operated Opposed Blade Damper, Add	301.45	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	205.83	
For Stainless Steel, Add	1,070.30	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0048 EA 24" x 20" Steel Security Grille	1,014.54	68.67
For Anchoring Tabs, Add	87.72	
For Rear Operated Opposed Blade Damper, Add	320.76	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	219.31	
For Stainless Steel, Add	1,140.41	
23 37 13 43-0049 EA 24" x 24" Steel Security Grille	1,138.36	73.06
For Anchoring Tabs, Add	99.23	
For Rear Operated Opposed Blade Damper, Add	361.91	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	248.07	
For Stainless Steel, Add	1,289.98	
23 37 13 43-0050 Security Registers And Grilles (23 37 13 43)		
23 37 13 43-0051 Maximum Security Steel Supply / Return Registers (23 37 13 43-0050)		
Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0052 EA 6" x 6" Maximum Security Supply/ Return Register	255.62	16.34
23 37 13 43-0053 EA 9" x 9" Maximum Security Supply/ Return Register	369.23	19.44
23 37 13 43-0054 EA 12" x 6" Maximum Security Supply/ Return Register	344.36	20.41
23 37 13 43-0055 EA 12" x 8" Maximum Security Supply/ Return Register	398.01	23.56
23 37 13 43-0056 EA 10" x 10" Maximum Security Supply/ Return Register	373.32	20.41
23 37 13 43-0057 EA 14" x 12" Maximum Security Supply/ Return Register	517.74	28.71
23 37 13 43-0058 EA 14" x 14" Maximum Security Supply/ Return Register	585.88	30.93
23 37 13 43-0059 EA 18" x 18" Maximum Security Supply/ Return Register	784.12	36.75
23 37 13 43-0060 EA 24" x 24" Maximum Security Supply/ Return Registers.....	1,124.93	46.98
23 37 13 43-0061 Staff Security Steel Supply Registers (23 37 13 43-0050)		
Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0062 EA 6" x 6" Staff Security Supply Register	191.92	16.34
23 37 13 43-0063 EA 9" x 9" Staff Security Supply Register	247.61	19.44
23 37 13 43-0064 EA 12" x 12" Staff Security Supply Register	312.67	26.53
23 37 13 43-0065 EA 15" x 15" Staff Security Supply Register	445.18	30.63
23 37 13 43-0066 EA 21" x 21" Staff Security Supply Register	634.22	40.85
23 37 13 43-0067 EA 24" x 24" Staff Security Supply Register	762.98	46.98
23 37 13 43-0068 Staff Security Steel Return Registers (23 37 13 43-0050)		
Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0069 EA 10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register	245.24	17.67
Note: Perforated with square holes.		
23 37 13 43-0070 EA 6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	220.88	16.34
Note: Perforated with square holes.		
23 37 13 43-0071 EA 10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	267.56	18.40
Note: Perforated with square holes.		
23 37 13 43-0072 EA 12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register	272.82	19.88
Note: Perforated with square holes.		
23 37 13 43-0073 EA 12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	340.10	23.56
Note: Perforated with square holes.		
23 37 13 43-0074 EA 16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	357.47	23.56
Note: Perforated with square holes.		
23 37 13 43-0075 EA 16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	398.35	24.45
Note: Perforated with square holes.		
23 37 13 43-0076 EA 12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	399.54	26.53
Note: Perforated with square holes.		
23 37 13 43-0077 EA 30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	521.82	29.75
Note: Perforated with square holes.		
23 37 13 43-0078 EA 14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	445.35	28.71
Note: Perforated with square holes.		
23 37 13 43-0079 EA 28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	556.92	30.63
Note: Perforated with square holes.		
23 37 13 43-0080 EA 18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	513.49	30.33
Note: Perforated with square holes.		
23 37 13 43-0081 Maximum Security Steel Grills (23 37 13 43-0050)		
Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0082 EA 10" x 4" Maximum Security Grill	210.49	17.67
23 37 13 43-0083 EA 6" x 6" Maximum Security Grill	191.92	16.34
23 37 13 43-0084 EA 10" x 6" Maximum Security Grill	227.02	18.40
23 37 13 43-0085 EA 12" x 5" Maximum Security Grill	235.18	19.88
23 37 13 43-0086 EA 12" x 8" Maximum Security Grill	279.29	23.56
23 37 13 43-0087 EA 16" x 8" Maximum Security Grill	323.06	24.45
23 37 13 43-0088 EA 12" x 12" Maximum Security Grill	324.26	26.53
23 37 13 43-0089 EA 14" x 12" Maximum Security Grill	352.69	28.71
23 37 13 43-0090 EA 30" x 6" Maximum Security Grill	434.96	29.75
23 37 13 43-0091 EA 28" x 8" Maximum Security Grill	458.47	30.63
23 37 13 43-0092 EA 18" x 12" Maximum Security Grill	417.93	30.33

23 37 23 HVAC Gravity Ventilators (23 37)



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

23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)

23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood (23 37 23 13)

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002	EA	8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	728.10	84.63
23 37 23 13-0003	EA	8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	779.17	96.89
23 37 23 13-0004	EA	8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	973.32	120.53
23 37 23 13-0005	EA	8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,036.72	128.27
23 37 23 13-0006	EA	8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,209.74	149.28
23 37 23 13-0007	EA	10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	854.84	96.31
23 37 23 13-0008	EA	12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	942.58	108.57
23 37 23 13-0009	EA	12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,082.59	116.73
23 37 23 13-0010	EA	12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,196.05	141.48
23 37 23 13-0011	EA	12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,362.49	151.76
23 37 23 13-0012	EA	12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,528.72	161.09
23 37 23 13-0013	EA	14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,013.96	109.87
23 37 23 13-0014	EA	14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,155.49	125.20
23 37 23 13-0015	EA	14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,297.02	140.52
23 37 23 13-0016	EA	14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,461.99	158.47
23 37 23 13-0017	EA	14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,650.74	178.90
23 37 23 13-0018	EA	16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,226.16	132.93
23 37 23 13-0019	EA	16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,273.38	138.04
23 37 23 13-0020	EA	16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,414.89	153.36
23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,603.49	173.79
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,792.09	194.22
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,051.51	222.38
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,217.45	131.03
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,416.61	152.49
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,615.92	173.94
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,837.25	197.72
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,036.42	219.17
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,288.60	145.34
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,457.52	164.45
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,626.57	183.42
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,880.10	212.02
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,070.16	233.48
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,640.82	195.39
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,820.87	216.84
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,081.05	247.78
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,281.12	271.56
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,501.25	297.82
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,956.89	222.38
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,156.21	245.00
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,373.76	269.66
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,591.15	294.47
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,152.81	358.23
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,370.36	382.89
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,283.28	275.94
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,504.71	302.64
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,998.84	362.32
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,339.56	403.47
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,544.13	428.27
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,816.70	461.11
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,293.83	518.74
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,696.53	308.91
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,347.88	383.48
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,817.56	437.32
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,953.82	452.93
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,408.30	504.89
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,847.60	555.22
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,612.11	445.93
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,907.37	482.41
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,202.48	518.90
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,666.30	576.09
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,905.14	583.68
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,172.54	502.69
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,680.36	563.83
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,078.46	611.84
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,407.75	651.53
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,199.81	625.85
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,474.02	667.15
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,872.56	718.37
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,547.13	721.72
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	6,486.77	844.00
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	6,562.67	778.19

23 38 Ventilation Hoods (23 30)

23 38 13 Commercial-Kitchen Hoods (23 38)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 38 Ventilation Hoods**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 38 13 13 Listed Commercial-Kitchen Hoods (23 38 13)**

23 38 13 13-0001	Universal Ventless Hood (23 38 13 13)		
23 38 13 13-0002	EA 109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96)	51,080.31	624.86

23 38 13 16 Standard Commercial-Kitchen Hoods (23 38 13)

23 38 13 16-0001	Commercial Kitchen Hood Ventilation System (23 38 13 16)		
Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.			
23 38 13 16-0002	Dry Filter Exhaust Hoods (23 38 13 16-0001)		
Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.			
23 38 13 16-0003	EA 8' Long x 60" Deep Dry Filter Exhaust Hood	12,533.20	1,172.35
23 38 13 16-0004	EA 8'-6" Long x 60" Deep Dry Filter Exhaust Hood	13,065.33	1,245.63
23 38 13 16-0005	EA 9' Long x 60" Deep Dry Filter Exhaust Hood	14,547.30	1,318.90
23 38 13 16-0006	EA 9'-6" Long x 60" Deep Dry Filter Exhaust Hood	15,000.05	1,392.17
23 38 13 16-0007	EA 10' Long x 60" Deep Dry Filter Exhaust Hood	15,545.85	1,465.44
23 38 13 16-0008	EA 10'-6" Long x 60" Deep Dry Filter Exhaust Hood	16,120.99	1,538.71
23 38 13 16-0009	EA 11' Long x 60" Deep Dry Filter Exhaust Hood	16,667.66	1,611.98
23 38 13 16-0010	EA 11'-6" Long x 60" Deep Dry Filter Exhaust Hood	17,230.41	1,685.25
23 38 13 16-0011	EA 12' Long x 60" Deep Dry Filter Exhaust Hood	17,853.41	1,758.53
23 38 13 16-0012	EA 12'-6" Long x 60" Deep Dry Filter Exhaust Hood	18,396.41	1,831.80
23 38 13 16-0013	EA 13' Long x 60" Deep Dry Filter Exhaust Hood	18,850.59	1,905.07
23 38 13 16-0014	EA 13'-6" Long x 60" Deep Dry Filter Exhaust Hood	19,598.91	1,978.34
23 38 13 16-0015	EA 14' Long x 60" Deep Dry Filter Exhaust Hood	21,873.20	2,051.61
23 38 13 16-0016	EA 14'-6" Long x 60" Deep Dry Filter Exhaust Hood	22,469.77	2,124.88
23 38 13 16-0017	EA 15' Long x 60" Deep Dry Filter Exhaust Hood	23,268.75	2,198.16
23 38 13 16-0018	EA 15'-6" Long x 60" Deep Dry Filter Exhaust Hood	23,877.62	2,271.44
23 38 13 16-0019	EA 16' Long x 60" Deep Dry Filter Exhaust Hood	24,774.80	2,344.71

23 38 13 16-0020 Dry Extractor Exhaust Hoods (23 38 13 16-0001)

Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.

23 38 13 16-0021	EA 8' Long x 60" Deep Dry Extractor Exhaust Hood	17,382.75	1,172.35
23 38 13 16-0022	EA 8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	17,945.58	1,245.63
23 38 13 16-0023	EA 9' Long x 60" Deep Dry Extractor Exhaust Hood	19,519.63	1,318.90
23 38 13 16-0024	EA 9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	20,095.15	1,392.17
23 38 13 16-0025	EA 10' Long x 60" Deep Dry Extractor Exhaust Hood	20,671.64	1,465.44
23 38 13 16-0026	EA 10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	21,216.09	1,538.71
23 38 13 16-0027	EA 11' Long x 60" Deep Dry Extractor Exhaust Hood	21,793.45	1,611.98
23 38 13 16-0028	EA 11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	22,340.86	1,685.25
23 38 13 16-0029	EA 12' Long x 60" Deep Dry Extractor Exhaust Hood	22,856.43	1,758.53
23 38 13 16-0030	EA 12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	23,583.59	1,831.80
23 38 13 16-0031	EA 13' Long x 60" Deep Dry Extractor Exhaust Hood	24,421.43	1,905.07
23 38 13 16-0032	EA 13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	25,307.87	1,978.34
23 38 13 16-0033	EA 14' Long x 60" Deep Dry Extractor Exhaust Hood	27,137.11	2,051.61
23 38 13 16-0034	EA 14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	28,040.61	2,124.88
23 38 13 16-0035	EA 15' Long x 60" Deep Dry Extractor Exhaust Hood	29,775.74	2,198.16
23 38 13 16-0036	EA 15'-6" Long x 60" Deep Dry Extractor Exhaust Hood	31,535.61	2,271.44
23 38 13 16-0037	EA 16' Long x 60" Deep Dry Extractor Exhaust Hood	33,276.86	2,344.71

23 38 13 16-0038 Single Manifold Water Wash Exhaust Hoods (23 38 13 16-0001)

Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.

23 38 13 16-0039	EA 8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	18,610.48	1,172.35
23 38 13 16-0040	EA 8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,204.00	1,245.63
23 38 13 16-0041	EA 9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	20,808.75	1,318.90
23 38 13 16-0042	EA 9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	21,399.61	1,392.17
23 38 13 16-0043	EA 10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,022.15	1,465.44
23 38 13 16-0044	EA 10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,597.29	1,538.71
23 38 13 16-0045	EA 11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,190.00	1,611.98
23 38 13 16-0046	EA 11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,783.44	1,685.25
23 38 13 16-0047	EA 12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,314.36	1,758.53
23 38 13 16-0048	EA 12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	25,102.91	1,831.80
23 38 13 16-0049	EA 13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,002.14	1,905.07
23 38 13 16-0050	EA 13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,949.97	1,978.34
23 38 13 16-0051	EA 14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	28,840.59	2,051.61
23 38 13 16-0052	EA 14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	29,805.48	2,124.88
23 38 13 16-0053	EA 15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	31,709.42	2,198.16
23 38 13 16-0054	EA 15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	32,671.26	2,271.44
23 38 13 16-0055	EA 16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	33,629.84	2,344.71
23 38 13 16-0056	EA Fan Wash Control Panel	13,261.48	586.17

Note: Includes time clock and backflow preventer.



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

23 38 13 16-0057			Utility Distribution System (UDS) <small>(23 38 13 16-0001)</small> Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.		
23 38 13 16-0058	EA		8' Long UDS.....	32,966.11	596.14
23 38 13 16-0059	EA		8'-6" Long UDS.....	33,937.59	610.65
23 38 13 16-0060	EA		9' Long UDS.....	34,898.43	624.86
23 38 13 16-0061	EA		9'-6" Long UDS.....	35,870.86	644.79
23 38 13 16-0062	EA		10' Long UDS.....	36,835.01	660.62
23 38 13 16-0063	EA		10'-6" Long UDS.....	37,790.62	677.32
23 38 13 16-0064	EA		11' Long UDS.....	38,756.35	688.90
23 38 13 16-0065	EA		11'-6" Long UDS.....	39,725.04	707.08
23 38 13 16-0066	EA		12' Long UDS.....	40,708.90	732.72
23 38 13 16-0067	EA		12'-6" Long UDS.....	41,711.11	767.59
23 38 13 16-0068	EA		13' Long UDS.....	42,688.70	790.16
23 38 13 16-0069	EA		13'-6" Long UDS.....	43,685.66	822.40
23 38 13 16-0070	EA		14' Long UDS.....	44,670.03	848.34
23 38 13 16-0071	EA		14'-6" Long UDS.....	45,657.79	876.04
23 38 13 16-0072	EA		15' Long UDS.....	46,649.30	905.64
23 38 13 16-0073	EA		15'-6" Long UDS.....	47,644.92	937.15
23 38 13 16-0074	EA		16' Long UDS.....	48,621.99	959.57

23 38 13 16-0075			Stainless Steel Exhaust Hood Material <small>(23 38 13 16)</small> Note: Welded seams.		
23 38 13 16-0076	SF		16 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	48.76	18.12
			<i>For Type 316 Stainless Steel, Add</i>	1.12	
23 38 13 16-0077	SF		14 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	60.96	24.16
			<i>For Type 316 Stainless Steel, Add</i>	1.40	
23 38 13 16-0078	SF		12 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	84.60	32.62
			<i>For Type 316 Stainless Steel, Add</i>	1.95	
23 38 13 16-0079	SF		10 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	105.67	39.86
			<i>For Type 316 Stainless Steel, Add</i>	2.51	

23 40 HVAC Air Cleaning Devices (23)

23 41 Particulate Air Filtration (23 40)

23 41 13 Panel Air Filters (23 41)

23 41 13 00-0001			Disposable Air Filters <small>(23 41 13)</small> 23 41 13 00-0002 EA Throwaway Glass Or Paper Media Filter, Residential.....	14.99	
------------------	--	--	--	-------	--

23 41 13 00-0003			Disposable Fiberglass Air Filters <small>(23 41 13)</small> Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0004	EA		8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.07	7.02
23 41 13 00-0005	EA		8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.07	7.02
23 41 13 00-0006	EA		8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.78	7.02
23 41 13 00-0007	EA		10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.75	7.34
23 41 13 00-0008	EA		10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.75	7.34
23 41 13 00-0009	EA		10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.75	7.34
23 41 13 00-0010	EA		10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.75	7.34
23 41 13 00-0011	EA		10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.98	7.34
23 41 13 00-0012	EA		12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.56	7.67
23 41 13 00-0013	EA		12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.53	7.67
23 41 13 00-0014	EA		12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.87	7.67
23 41 13 00-0015	EA		12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.87	7.67
23 41 13 00-0016	EA		12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.87	7.67
23 41 13 00-0017	EA		12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	17.47	7.67
23 41 13 00-0018	EA		12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5.....	20.45	7.67
23 41 13 00-0019	EA		14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5.....	16.72	8.10
23 41 13 00-0020	EA		14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5.....	19.21	8.10

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0021 EA 14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.77	8.10
23 41 13 00-0022 EA 14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.72	8.10
23 41 13 00-0023 EA 14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.77	8.10
23 41 13 00-0024 EA 14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.62	8.10
23 41 13 00-0025 EA 15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.97	8.33
23 41 13 00-0026 EA 15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.97	8.33
23 41 13 00-0027 EA 15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.32	8.33
23 41 13 00-0028 EA 16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.15	8.44
23 41 13 00-0029 EA 16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.77	8.44
23 41 13 00-0030 EA 16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.21	8.44
23 41 13 00-0031 EA 16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.16	8.44
23 41 13 00-0032 EA 16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.58	8.44
23 41 13 00-0033 EA 16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.48	8.44
23 41 13 00-0034 EA 16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	24.10	8.44
23 41 13 00-0035 EA 16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	23.80	8.44
23 41 13 00-0036 EA 18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.60	8.77
23 41 13 00-0037 EA 18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.23	8.77
23 41 13 00-0038 EA 18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.60	8.77
23 41 13 00-0039 EA 18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.86	8.77
23 41 13 00-0040 EA 18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.69	8.77
23 41 13 00-0041 EA 18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.79	8.77
23 41 13 00-0042 EA 19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.52	9.20
23 41 13 00-0043 EA 20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.60	9.20
23 41 13 00-0044 EA 20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.89	9.20
23 41 13 00-0045 EA 20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.12	9.20
23 41 13 00-0046 EA 20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.68	9.20
23 41 13 00-0047 EA 20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	25.13	9.20
23 41 13 00-0048 EA 20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.79	9.20
23 41 13 00-0049 EA 21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.86	9.31
23 41 13 00-0050 EA 22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.04	9.42
23 41 13 00-0051 EA 24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.18	9.53
23 41 13 00-0052 EA 24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.82	9.53
23 41 13 00-0053 EA 24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	27.31	9.53
23 41 13 00-0054 EA 25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.33	9.64
23 41 13 00-0055 EA 25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	27.85	9.64
23 41 13 00-0056 EA 10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.71	7.34
23 41 13 00-0057 EA 10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.63	7.34
23 41 13 00-0058 EA 12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.08	7.67
23 41 13 00-0059 EA 14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.66	8.10
23 41 13 00-0060 EA 14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.66	8.10
23 41 13 00-0061 EA 15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.06	8.33
23 41 13 00-0062 EA 16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.97	8.44



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various HVAC air filter specifications and their associated costs.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0135 EA 10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	33.52	7.34
23 41 13 00-0136 EA 12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	27.66	7.67
23 41 13 00-0137 EA 12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.99	7.67
23 41 13 00-0138 EA 12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	26.88	7.67
23 41 13 00-0139 EA 12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	37.91	7.67
23 41 13 00-0140 EA 14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	31.32	8.10
23 41 13 00-0141 EA 14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	27.74	8.10
23 41 13 00-0142 EA 14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	35.45	8.10
23 41 13 00-0143 EA 14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	34.70	8.10
23 41 13 00-0144 EA 14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	40.51	8.10
23 41 13 00-0145 EA 15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.71	8.33
23 41 13 00-0146 EA 16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	37.31	8.44
23 41 13 00-0147 EA 16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.06	8.44
23 41 13 00-0148 EA 16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	31.93	8.44
23 41 13 00-0149 EA 16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	29.45	8.44
23 41 13 00-0150 EA 16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	38.46	8.44
23 41 13 00-0151 EA 18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	39.37	8.77
23 41 13 00-0152 EA 18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	33.63	8.77
23 41 13 00-0153 EA 18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	30.46	8.77
23 41 13 00-0154 EA 18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	32.37	8.77
23 41 13 00-0155 EA 18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	44.32	8.77
23 41 13 00-0156 EA 20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	30.66	9.20
23 41 13 00-0157 EA 20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	33.50	9.20
23 41 13 00-0158 EA 20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	33.80	9.20
23 41 13 00-0159 EA 20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	39.09	9.20
23 41 13 00-0160 EA 22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	43.15	9.42
23 41 13 00-0161 EA 24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	36.60	9.53
23 41 13 00-0162 EA 24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	46.97	9.53
23 41 13 00-0163 EA 25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	41.01	9.64
23 41 13 00-0164 EA 10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	26.55	7.34
23 41 13 00-0165 EA 12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	27.95	7.67
23 41 13 00-0166 EA 12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	26.63	7.67
23 41 13 00-0167 EA 12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	31.05	7.67
23 41 13 00-0168 EA 14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	28.04	8.10
23 41 13 00-0169 EA 14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	29.32	8.10
23 41 13 00-0170 EA 15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	28.80	8.33
23 41 13 00-0171 EA 16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	38.06	8.44
23 41 13 00-0172 EA 16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	33.33	8.44
23 41 13 00-0173 EA 16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	32.53	8.44
23 41 13 00-0174 EA 16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	36.64	8.44
23 41 13 00-0175 EA 18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	43.69	8.77
23 41 13 00-0176 EA 18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	34.97	8.77
23 41 13 00-0177 EA 18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	39.69	8.77
23 41 13 00-0178 EA 18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	34.60	8.77
23 41 13 00-0179 EA 20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	38.28	9.20
23 41 13 00-0180 EA 20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	40.91	9.20
23 41 13 00-0181 EA 20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	41.29	9.20
23 41 13 00-0182 EA 24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	41.34	9.53
23 41 13 00-0183 EA 25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	41.87	9.64
23 41 13 00-0184 EA 12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	49.62	7.67
23 41 13 00-0185 EA 16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	50.93	8.44
23 41 13 00-0186 EA 16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	60.36	8.44
23 41 13 00-0187 EA 18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	60.34	8.77
23 41 13 00-0188 EA 20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	60.20	9.20
23 41 13 00-0189 EA 20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	66.13	9.20
23 41 13 00-0190 EA 20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	66.13	9.20
23 41 13 00-0191 EA 24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	73.66	9.53
23 41 13 00-0192 EA 8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.88	7.02
23 41 13 00-0193 EA 8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.88	7.02
23 41 13 00-0194 EA 8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.88	7.02
23 41 13 00-0195 EA 10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.32	7.34
23 41 13 00-0196 EA 10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.94	7.34
23 41 13 00-0197 EA 10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.32	7.34
23 41 13 00-0198 EA 10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.32	7.34
23 41 13 00-0199 EA 10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.32	7.34
23 41 13 00-0200 EA 12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.38	7.67
23 41 13 00-0201 EA 12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.76	7.67
23 41 13 00-0202 EA 12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.38	7.67
23 41 13 00-0203 EA 12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.38	7.67
23 41 13 00-0204 EA 12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.76	7.67
23 41 13 00-0205 EA 12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.76	7.67
23 41 13 00-0206 EA 12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.15	7.67
23 41 13 00-0207 EA 14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.96	8.10
23 41 13 00-0208 EA 14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.34	8.10
23 41 13 00-0209 EA 14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.96	8.10
23 41 13 00-0210 EA 14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.96	8.10
23 41 13 00-0211 EA 14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.96	8.10
23 41 13 00-0212 EA 14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.34	8.10
23 41 13 00-0213 EA 15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.25	8.33
23 41 13 00-0214 EA 15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.63	8.33
23 41 13 00-0215 EA 15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.63	8.33



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0216	EA	16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.40	8.44
23 41 13 00-0217	EA	16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.78	8.44
23 41 13 00-0218	EA	16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.40	8.44
23 41 13 00-0219	EA	16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.40	8.44
23 41 13 00-0220	EA	16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.40	8.44
23 41 13 00-0221	EA	16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.78	8.44
23 41 13 00-0222	EA	16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.78	8.44
23 41 13 00-0223	EA	16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	39.28	8.44
23 41 13 00-0224	EA	18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.84	8.77
23 41 13 00-0225	EA	18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	36.61	8.77
23 41 13 00-0226	EA	18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.84	8.77
23 41 13 00-0227	EA	18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	36.61	8.77
23 41 13 00-0228	EA	18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	36.61	8.77
23 41 13 00-0229	EA	18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	39.72	8.77
23 41 13 00-0230	EA	19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.20	9.20
23 41 13 00-0231	EA	20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.43	9.20
23 41 13 00-0232	EA	20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.43	9.20
23 41 13 00-0233	EA	20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.43	9.20
23 41 13 00-0234	EA	20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	35.81	9.20
23 41 13 00-0235	EA	20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	40.31	9.20
23 41 13 00-0236	EA	20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	40.31	9.20
23 41 13 00-0237	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.34	9.31
23 41 13 00-0238	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	36.10	9.42
23 41 13 00-0239	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	39.01	9.53
23 41 13 00-0240	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	39.01	9.53
23 41 13 00-0241	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	43.51	9.53
23 41 13 00-0242	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	39.16	9.64
23 41 13 00-0243	EA	25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	43.66	9.64
23 41 13 00-0244	EA	30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	43.95	9.86
23 41 13 00-0245		Carbon Vapor Trap, Disposable V-Bank Filter (23 41 13)		
23 41 13 00-0246	EA	24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter	914.92	21.92
23 41 13 00-0247		Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)		
23 41 13 00-0248	MF3	Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar	72.04	
23 41 13 00-0249	MF3	Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar	69.58	
23 41 13 00-0250	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar.....	3.00	
23 41 16		Renewable-Media Air Filters (23 41)		
23 41 16 00-0001		Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar (23 41 16)		
23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar.....	123.98	
23 41 19		Washable Air Filters (23 41)		
23 41 19 00-0001		Washable Electrostatic Air Filters With Frame, Element And Busbar (23 41 19)		
23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	47.34	
23 41 33		High-Efficiency Particulate Filtration (23 41)		
23 41 33 00-0001		High Efficiency Particulate Air (HEPA) Filters (23 41 33) Note: Includes particle board and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.		
23 41 33 00-0002		High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% (23 41 33 00-0001)		
23 41 33 00-0003	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete.....	134.80	20.45
		For Removal And Replacement In Existing Equipment, Add	4.09	
		For >10 To 25, Deduct	-3.37	
		For >25 To 50, Deduct	-6.74	
		For >50 To 100, Deduct	-10.11	
		For >100, Deduct	-13.48	
23 41 33 00-0004	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete.....	177.81	23.38
		For Removal And Replacement In Existing Equipment, Add	4.68	
		For >10 To 25, Deduct	-4.45	
		For >25 To 50, Deduct	-8.89	
		For >50 To 100, Deduct	-13.34	
		For >100, Deduct	-17.78	
23 41 33 00-0005	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete.....	207.98	27.03
		For Removal And Replacement In Existing Equipment, Add	5.41	
		For >10 To 25, Deduct	-5.20	
		For >25 To 50, Deduct	-10.40	
		For >50 To 100, Deduct	-15.60	
		For >100, Deduct	-20.80	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 40 HVAC Air Cleaning Devices

23 41 Particulate Air Filtration



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0006	EA		24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete.....	238.18	30.69
			<i>For Removal And Replacement In Existing Equipment, Add</i>	6.14	
			<i>For >10 To 25, Deduct</i>	-5.95	
			<i>For >25 To 50, Deduct</i>	-11.91	
			<i>For >50 To 100, Deduct</i>	-17.86	
			<i>For >100, Deduct</i>	-23.82	
23 41 33 00-0007	EA		12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete.....	163.12	21.92
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.38	
			<i>For >10 To 25, Deduct</i>	-4.08	
			<i>For >25 To 50, Deduct</i>	-8.16	
			<i>For >50 To 100, Deduct</i>	-12.23	
			<i>For >100, Deduct</i>	-16.31	
23 41 33 00-0008	EA		24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete.....	217.63	25.57
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.11	
			<i>For >10 To 25, Deduct</i>	-5.44	
			<i>For >25 To 50, Deduct</i>	-10.88	
			<i>For >50 To 100, Deduct</i>	-16.32	
			<i>For >100, Deduct</i>	-21.76	
23 41 33 00-0009	EA		24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete.....	259.64	29.22
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.85	
			<i>For >10 To 25, Deduct</i>	-6.49	
			<i>For >25 To 50, Deduct</i>	-12.98	
			<i>For >50 To 100, Deduct</i>	-19.47	
			<i>For >100, Deduct</i>	-25.96	
23 41 33 00-0010	EA		24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete.....	308.96	36.53
			<i>For Removal And Replacement In Existing Equipment, Add</i>	7.31	
			<i>For >10 To 25, Deduct</i>	-7.72	
			<i>For >25 To 50, Deduct</i>	-15.45	
			<i>For >50 To 100, Deduct</i>	-23.17	
			<i>For >100, Deduct</i>	-30.90	
23 41 33 00-0011			High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% <small>(23 41 33 00-0001)</small>		
23 41 33 00-0012	EA		12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	115.76	18.26
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.65	
			<i>For >10 To 25, Deduct</i>	-2.89	
			<i>For >25 To 50, Deduct</i>	-5.79	
			<i>For >50 To 100, Deduct</i>	-8.68	
			<i>For >100, Deduct</i>	-11.58	
23 41 33 00-0013	EA		24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	158.97	21.92
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.38	
			<i>For >10 To 25, Deduct</i>	-3.97	
			<i>For >25 To 50, Deduct</i>	-7.95	
			<i>For >50 To 100, Deduct</i>	-11.92	
			<i>For >100, Deduct</i>	-15.90	
23 41 33 00-0014	EA		24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	240.32	25.57
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.11	
			<i>For >10 To 25, Deduct</i>	-6.01	
			<i>For >25 To 50, Deduct</i>	-12.02	
			<i>For >50 To 100, Deduct</i>	-18.02	
			<i>For >100, Deduct</i>	-24.03	
23 41 33 00-0015	EA		36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	307.63	29.22
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.85	
			<i>For >10 To 25, Deduct</i>	-7.69	
			<i>For >25 To 50, Deduct</i>	-15.38	
			<i>For >50 To 100, Deduct</i>	-23.07	
			<i>For >100, Deduct</i>	-30.76	
23 41 33 00-0016	EA		8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	108.38	14.61
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.92	
			<i>For >10 To 25, Deduct</i>	-2.71	
			<i>For >25 To 50, Deduct</i>	-5.42	
			<i>For >50 To 100, Deduct</i>	-8.13	
			<i>For >100, Deduct</i>	-10.84	
23 41 33 00-0017	EA		12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete.....	143.77	19.73
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.94	
			<i>For >10 To 25, Deduct</i>	-3.59	
			<i>For >25 To 50, Deduct</i>	-7.19	
			<i>For >50 To 100, Deduct</i>	-10.78	
			<i>For >100, Deduct</i>	-14.38	
23 41 33 00-0018	EA		24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete.....	192.37	23.38
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.68	
			<i>For >10 To 25, Deduct</i>	-4.81	
			<i>For >25 To 50, Deduct</i>	-9.62	
			<i>For >50 To 100, Deduct</i>	-14.43	
			<i>For >100, Deduct</i>	-19.24	
23 41 33 00-0019	EA		24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete.....	225.82	27.40
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.48	
			<i>For >10 To 25, Deduct</i>	-5.65	
			<i>For >25 To 50, Deduct</i>	-11.29	
			<i>For >50 To 100, Deduct</i>	-16.94	
			<i>For >100, Deduct</i>	-22.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0020 EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	257.82	30.69
<i>For Removal And Replacement In Existing Equipment, Add</i>	6.14	
<i>For >10 To 25, Deduct</i>	-6.45	
<i>For >25 To 50, Deduct</i>	-12.89	
<i>For >50 To 100, Deduct</i>	-19.34	
<i>For >100, Deduct</i>	-25.78	
23 41 33 00-0021 EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete.....	176.37	21.92
<i>For Removal And Replacement In Existing Equipment, Add</i>	4.38	
<i>For >10 To 25, Deduct</i>	-4.41	
<i>For >25 To 50, Deduct</i>	-8.82	
<i>For >50 To 100, Deduct</i>	-13.23	
<i>For >100, Deduct</i>	-17.64	
23 41 33 00-0022 EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete.....	236.14	25.57
<i>For Removal And Replacement In Existing Equipment, Add</i>	5.11	
<i>For >10 To 25, Deduct</i>	-5.90	
<i>For >25 To 50, Deduct</i>	-11.81	
<i>For >50 To 100, Deduct</i>	-17.71	
<i>For >100, Deduct</i>	-23.61	
23 41 33 00-0023 EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	282.00	29.22
<i>For Removal And Replacement In Existing Equipment, Add</i>	5.85	
<i>For >10 To 25, Deduct</i>	-7.05	
<i>For >25 To 50, Deduct</i>	-14.10	
<i>For >50 To 100, Deduct</i>	-21.15	
<i>For >100, Deduct</i>	-28.20	
23 41 33 00-0024 EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete.....	347.63	36.53
<i>For Removal And Replacement In Existing Equipment, Add</i>	7.31	
<i>For >10 To 25, Deduct</i>	-8.69	
<i>For >25 To 50, Deduct</i>	-17.38	
<i>For >50 To 100, Deduct</i>	-26.07	
<i>For >100, Deduct</i>	-34.76	

23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal (23 41 33)

Note: Nominal sizes.

23 41 33 00-0026 EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	351.04	108.97
23 41 33 00-0027 EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	659.82	216.59
23 41 33 00-0028 EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	668.88	216.59
23 41 33 00-0029 EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	674.91	216.59
23 41 33 00-0030 EA 24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	717.16	216.59
23 41 33 00-0031 EA 24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	769.96	216.59
23 41 33 00-0032 EA 48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,283.44	434.54
23 41 33 00-0033 EA 48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,411.68	434.54
23 41 33 00-0034 EA 48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,574.62	434.54
23 41 33 00-0035 EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	376.69	108.97
23 41 33 00-0036 EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	703.58	216.59
23 41 33 00-0037 EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	714.14	216.59
23 41 33 00-0038 EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	721.68	216.59
23 41 33 00-0039 EA 24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	771.47	216.59
23 41 33 00-0040 EA 24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	837.85	216.59
23 41 33 00-0041 EA 48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,389.05	434.54
23 41 33 00-0042 EA 48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,548.97	434.54
23 41 33 00-0043 EA 48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,751.14	434.54

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency (23 41 33)

23 41 33 00-0045 EA 0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency.....	327.51	141.26
23 41 33 00-0046 EA 1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency.....	369.72	141.26

23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency (23 41 33)

23 41 33 00-0048 EA 0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency.....	322.66	141.26
23 41 33 00-0049 EA 1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency.....	353.81	141.26

23 42 Gas-Phase Air Filtration (23 40)

23 42 13 Activated-Carbon Air Filtration (23 42)

23 42 13 00-0001 EA 12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	48.58	10.96
23 42 13 00-0002 EA 16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	49.10	10.96
23 42 13 00-0003 EA 16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	49.42	10.96
23 42 13 00-0004 EA 20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	49.42	10.96
23 42 13 00-0005 EA 20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	53.38	10.96
23 42 13 00-0006 EA 24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	59.89	10.96
23 42 13 00-0007 EA 12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	61.06	12.42
23 42 13 00-0008 EA 16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	61.50	12.42
23 42 13 00-0009 EA 16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	61.88	12.42
23 42 13 00-0010 EA 20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	61.88	12.42
23 42 13 00-0011 EA 20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	66.25	12.42
23 42 13 00-0012 EA 24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	78.45	12.42
23 42 13 00-0013 EA 16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	30.47	10.96
23 42 13 00-0014 EA 16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	32.36	10.96

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 42 Gas-Phase Air Filtration**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 42 13 00-0015 EA 20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	32.42	10.96
23 42 13 00-0016 EA 20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	34.89	10.96
23 42 13 00-0017 EA 24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter.....	37.08	10.96
23 42 13 00-0018 EA 16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	35.23	12.42
23 42 13 00-0019 EA 16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	38.51	12.42
23 42 13 00-0020 EA 20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	39.20	12.42
23 42 13 00-0021 EA 20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	43.27	12.42
23 42 13 00-0022 EA 24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter.....	45.86	12.42
23 42 13 00-0023 EA 24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter.....	74.11	13.15

23 43 Electronic Air Cleaners (23 40)**23 43 23 Self-Contained Electronic Air Cleaners** (23 43)**23 43 23 00-0001 Stationary Floor, Room Air Purifier** (23 43 23)

23 43 23 00-0002 EA Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	1,087.54	
23 43 23 00-0003 EA Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,513.96	
23 43 23 00-0004 EA Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL)	3,828.76	
23 43 23 00-0005 EA Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact).....	857.60	
23 43 23 00-0006 EA Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine).....	1,542.91	
23 43 23 00-0007 EA Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial).....	6,111.61	

23 43 23 00-0008 Surface Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0009 EA Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	2,925.83	
23 43 23 00-0010 EA Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	4,027.57	
23 43 23 00-0011 EA Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S).....	4,588.84	

23 43 23 00-0012 Suspension Ceiling Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0013 EA 2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,716.42	
---	----------	--

23 50 Central Heating Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 51 Breechings, Chimneys, and Stacks (23 50)**23 51 13 Draft Control Devices** (23 51)**23 51 13 13 Draft-Induction Fans** (23 51 13)**23 51 13 13-0001 Vertical Discharge Fans** (23 51 13 13)

Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0003 EA 450 CFM Vertical Discharge Chimney Fan, Axial Vane	2,896.98	295.97
23 51 13 13-0004 EA 950 CFM Vertical Discharge Chimney Fan, Axial Vane	3,276.16	322.88
23 51 13 13-0005 EA 1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	3,912.82	356.51
23 51 13 13-0006 EA 1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	5,080.41	413.69

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0008 EA 700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	3,461.57	322.88
23 51 13 13-0009 EA 1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,197.70	356.51
23 51 13 13-0010 EA 2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	5,421.64	417.05
23 51 13 13-0011 EA 3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	6,403.86	467.50

23 51 13 13-0012 Accessories For Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0013 EA Modulating Fan Controller And Sensor	445.86	100.90
--	--------	--------

23 51 13 16 Vent Dampers (23 51 13)**23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade** (23 51 13 16)

23 51 13 16-0002 EA 3" Round Flue Shutter Draft Control Damper.....	915.36	59.74
23 51 13 16-0003 EA 4" Round Flue Shutter Draft Control Damper.....	1,001.86	63.37
23 51 13 16-0004 EA 5" Round Flue Shutter Draft Control Damper.....	1,103.80	67.26
23 51 13 16-0005 EA 6" Round Flue Shutter Draft Control Damper.....	1,179.17	71.73
23 51 13 16-0006 EA 7" Round Flue Shutter Draft Control Damper.....	1,286.16	76.85
23 51 13 16-0007 EA 8" Round Flue Shutter Draft Control Damper.....	1,367.24	82.73
23 51 13 16-0008 EA 10" Round Flue Shutter Draft Control Damper.....	1,510.13	89.71
23 51 13 16-0009 EA 12" Round Flue Shutter Draft Control Damper.....	1,657.66	97.83
23 51 13 16-0010 EA 14" Round Flue Shutter Draft Control Damper.....	1,849.73	102.58
23 51 13 16-0011 EA 16" Round Flue Shutter Draft Control Damper.....	1,984.93	107.62
23 51 13 16-0012 EA 18" Round Flue Shutter Draft Control Damper.....	2,164.75	113.01
23 51 13 16-0013 EA 20" Round Flue Shutter Draft Control Damper.....	2,600.97	178.93
23 51 13 16-0014 EA 22" Round Flue Shutter Draft Control Damper.....	2,846.92	190.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 16-0015 EA 24" Round Flue Shutter Draft Control Damper.....	3,081.32	201.80
23 51 13 16-0016 EA 26" Round Flue Shutter Draft Control Damper.....	3,136.71	208.53
23 51 13 16-0017 EA 28" Round Flue Shutter Draft Control Damper.....	3,235.64	215.26
23 51 13 16-0018 EA 30" Round Flue Shutter Draft Control Damper.....	3,332.69	228.71
23 51 13 16-0019 EA 32" Round Flue Shutter Draft Control Damper.....	3,474.93	235.28
23 51 13 16-0020 EA 34" Round Flue Shutter Draft Control Damper.....	3,629.01	248.73
23 51 13 16-0021 EA 36" Round Flue Shutter Draft Control Damper.....	3,810.75	269.07
23 51 13 16-0022 EA 38" Round Flue Shutter Draft Control Damper.....	3,999.60	278.30
23 51 13 16-0023 EA 40" Round Flue Shutter Draft Control Damper.....	4,169.92	282.52
23 51 13 16-0024 EA 42" Round Flue Shutter Draft Control Damper.....	4,374.35	295.97
23 51 13 16-0025 EA 44" Round Flue Shutter Draft Control Damper.....	4,579.89	309.43
23 51 13 16-0026 EA 46" Round Flue Shutter Draft Control Damper.....	4,785.97	322.88
23 51 13 16-0027 EA 48" Round Flue Shutter Draft Control Damper.....	4,991.23	336.33

23 51 13 19 Barometric Dampers (23 51 13)

23 51 13 19-0001 Barometric Dampers (23 51 13 19)

23 51 13 19-0002 EA 6" x 6" Barometric Damper.....	406.23	11.68
23 51 13 19-0003 EA 12" x 12" Barometric Damper.....	586.60	16.05
23 51 13 19-0004 EA 18" x 18" Barometric Damper.....	790.22	24.81
23 51 13 19-0005 EA 24" x 24" Barometric Damper.....	964.26	46.70
23 51 13 19-0006 EA 6" Diameter Barometric Damper.....	205.50	11.68
<i>For Stainless Steel, Add</i>	208.27	
23 51 13 19-0007 EA 7" Diameter Barometric Damper.....	242.86	13.13
<i>For Stainless Steel, Add</i>	247.43	
23 51 13 19-0008 EA 8" Diameter Barometric Damper.....	281.82	14.59
<i>For Stainless Steel, Add</i>	286.95	
23 51 13 19-0009 EA 9" Diameter Barometric Damper.....	343.81	14.59
<i>For Stainless Steel, Add</i>	363.49	
23 51 13 19-0010 EA 10" Diameter Barometric Damper.....	448.29	17.51
<i>For Stainless Steel, Add</i>	495.22	
23 51 13 19-0011 EA 12" Diameter Barometric Damper.....	566.35	18.97
<i>For Stainless Steel, Add</i>	638.69	
23 51 13 19-0012 EA 14" Diameter Barometric Damper.....	708.67	20.43
<i>For Stainless Steel, Add</i>	814.57	
23 51 13 19-0013 EA 15" Diameter Barometric Damper.....	843.69	21.88
<i>For Stainless Steel, Add</i>	979.06	
23 51 13 19-0014 EA 16" Diameter Barometric Damper.....	976.64	24.81
<i>For Stainless Steel, Add</i>	1,143.17	
23 51 13 19-0015 EA 18" Diameter Barometric Damper.....	1,279.93	26.27
<i>For Stainless Steel, Add</i>	1,527.32	
23 51 13 19-0016 EA 20" Diameter Barometric Damper.....	1,520.47	29.19
<i>For Stainless Steel, Add</i>	1,828.15	
23 51 13 19-0017 EA 24" Diameter Barometric Damper.....	1,828.28	29.19
<i>For Stainless Steel, Add</i>	2,221.56	
23 51 13 19-0018 EA 30" Diameter Barometric Damper.....	2,249.64	33.56
<i>For Stainless Steel, Add</i>	2,753.80	
23 51 13 19-0019 EA 36" Diameter Barometric Damper.....	2,861.78	35.02
<i>For Stainless Steel, Add</i>	3,540.60	

23 51 16 Fabricated Breechings and Accessories (23 51)

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)

23 51 16 00-0003 LF 3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	35.63	11.97
Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	0.32	
<i>For 304 Stainless Steel Liner, Add</i>	0.43	
<i>For 2" Wall Instead Of 1", Add</i>	4.72	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.57	
23 51 16 00-0004 LF 4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	37.92	12.65
Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	0.39	
<i>For 304 Stainless Steel Liner, Add</i>	0.53	
<i>For 2" Wall Instead Of 1", Add</i>	5.20	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.35	
23 51 16 00-0005 LF 5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	41.65	13.45
Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	0.46	
<i>For 304 Stainless Steel Liner, Add</i>	0.63	
<i>For 2" Wall Instead Of 1", Add</i>	5.84	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.42	
23 51 16 00-0006 LF 6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	45.19	14.40
Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
<i>For Aluminum Liner, Add</i>	0.53	
<i>For 304 Stainless Steel Liner, Add</i>	0.73	
<i>For 2" Wall Instead Of 1", Add</i>	6.46	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.47	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0007	LF		7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	51.93	15.34
			<i>For Aluminum Liner, Add</i>	0.79	
			<i>For 304 Stainless Steel Liner, Add</i>	1.07	
			<i>For 2" Wall Instead Of 1", Add</i>	8.06	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.97	
23 51 16 00-0008	LF		8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	57.71	16.55
			<i>For Aluminum Liner, Add</i>	0.88	
			<i>For 304 Stainless Steel Liner, Add</i>	1.20	
			<i>For 2" Wall Instead Of 1", Add</i>	8.96	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	15.53	
23 51 16 00-0009	LF		10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	78.83	17.76
			<i>For Aluminum Liner, Add</i>	1.85	
			<i>For 304 Stainless Steel Liner, Add</i>	2.53	
			<i>For 2" Wall Instead Of 1", Add</i>	14.62	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	24.18	
23 51 16 00-0010	LF		12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	94.15	19.64
			<i>For Aluminum Liner, Add</i>	2.48	
			<i>For 304 Stainless Steel Liner, Add</i>	3.39	
			<i>For 2" Wall Instead Of 1", Add</i>	18.45	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	30.13	
23 51 16 00-0011	LF		14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	127.13	20.45
			<i>For Aluminum Liner, Add</i>	4.17	
			<i>For 304 Stainless Steel Liner, Add</i>	5.69	
			<i>For 2" Wall Instead Of 1", Add</i>	27.89	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	44.39	
23 51 16 00-0012	LF		16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	155.87	21.53
			<i>For Aluminum Liner, Add</i>	5.63	
			<i>For 304 Stainless Steel Liner, Add</i>	7.67	
			<i>For 2" Wall Instead Of 1", Add</i>	36.05	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	56.75	
23 51 16 00-0013	LF		18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	189.23	22.61
			<i>For Aluminum Liner, Add</i>	7.27	
			<i>For 304 Stainless Steel Liner, Add</i>	9.91	
			<i>For 2" Wall Instead Of 1", Add</i>	45.35	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	70.88	
23 51 16 00-0014	LF		20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	245.49	35.92
			<i>For Aluminum Liner, Add</i>	8.63	
			<i>For 304 Stainless Steel Liner, Add</i>	11.76	
			<i>For 2" Wall Instead Of 1", Add</i>	55.92	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	88.31	
23 51 16 00-0015	LF		22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	293.52	37.94
			<i>For Aluminum Liner, Add</i>	10.88	
			<i>For 304 Stainless Steel Liner, Add</i>	14.83	
			<i>For 2" Wall Instead Of 1", Add</i>	68.91	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	108.15	
23 51 16 00-0016	LF		24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	345.53	40.36
			<i>For Aluminum Liner, Add</i>	13.41	
			<i>For 304 Stainless Steel Liner, Add</i>	18.29	
			<i>For 2" Wall Instead Of 1", Add</i>	83.32	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	130.06	
23 51 16 00-0017	LF		26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	397.39	41.71
			<i>For Aluminum Liner, Add</i>	16.13	
			<i>For 304 Stainless Steel Liner, Add</i>	21.99	
			<i>For 2" Wall Instead Of 1", Add</i>	98.39	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	152.79	
23 51 16 00-0018	LF		28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	416.20	43.05
			<i>For Aluminum Liner, Add</i>	16.97	
			<i>For 304 Stainless Steel Liner, Add</i>	23.15	
			<i>For 2" Wall Instead Of 1", Add</i>	103.34	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	160.39	
23 51 16 00-0019	LF		30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	442.54	46.15
			<i>For Aluminum Liner, Add</i>	18.00	
			<i>For 304 Stainless Steel Liner, Add</i>	24.55	
			<i>For 2" Wall Instead Of 1", Add</i>	109.73	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	170.35	
23 51 16 00-0020	LF		32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	497.98	47.90
			<i>For Aluminum Liner, Add</i>	20.82	
			<i>For 304 Stainless Steel Liner, Add</i>	28.39	
			<i>For 2" Wall Instead Of 1", Add</i>	125.50	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	194.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0021 LF 34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	555.43	49.65
<i>For Aluminum Liner, Add</i>	23.73	
<i>For 304 Stainless Steel Liner, Add</i>	32.35	
<i>For 2" Wall Instead Of 1", Add</i>	141.82	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	218.93	
23 51 16 00-0022 LF 36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	584.25	51.66
<i>For Aluminum Liner, Add</i>	25.04	
<i>For 304 Stainless Steel Liner, Add</i>	34.14	
<i>For 2" Wall Instead Of 1", Add</i>	149.47	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	230.66	
23 51 16 00-0023 LF 38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	632.23	53.81
<i>For Aluminum Liner, Add</i>	27.38	
<i>For 304 Stainless Steel Liner, Add</i>	37.34	
<i>For 2" Wall Instead Of 1", Add</i>	162.80	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	250.91	
23 51 16 00-0024 LF 40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	694.45	56.10
<i>For Aluminum Liner, Add</i>	30.48	
<i>For 304 Stainless Steel Liner, Add</i>	41.56	
<i>For 2" Wall Instead Of 1", Add</i>	180.27	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	277.42	
23 51 16 00-0025 LF 42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	726.51	58.66
<i>For Aluminum Liner, Add</i>	31.88	
<i>For 304 Stainless Steel Liner, Add</i>	43.48	
<i>For 2" Wall Instead Of 1", Add</i>	188.59	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	290.23	
23 51 16 00-0026 LF 44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	801.70	61.48
<i>For Aluminum Liner, Add</i>	35.64	
<i>For 304 Stainless Steel Liner, Add</i>	48.59	
<i>For 2" Wall Instead Of 1", Add</i>	209.75	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	322.32	
23 51 16 00-0027 LF 46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	869.04	64.58
<i>For Aluminum Liner, Add</i>	38.92	
<i>For 304 Stainless Steel Liner, Add</i>	53.07	
<i>For 2" Wall Instead Of 1", Add</i>	228.42	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	350.70	
23 51 16 00-0028 LF 48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	953.91	67.94
<i>For Aluminum Liner, Add</i>	43.14	
<i>For 304 Stainless Steel Liner, Add</i>	58.82	
<i>For 2" Wall Instead Of 1", Add</i>	252.25	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	386.86	
23 51 16 00-0029 90 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0030 EA 3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	85.72	23.94
<i>For Aluminum Liner, Add</i>	1.45	
<i>For 304 Stainless Steel Liner, Add</i>	1.98	
<i>For 2" Wall Instead Of 1", Add</i>	13.85	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.75	
23 51 16 00-0031 EA 4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	94.26	25.29
<i>For Aluminum Liner, Add</i>	1.71	
<i>For 304 Stainless Steel Liner, Add</i>	2.34	
<i>For 2" Wall Instead Of 1", Add</i>	15.66	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	26.65	
23 51 16 00-0032 EA 5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	104.19	26.91
<i>For Aluminum Liner, Add</i>	2.05	
<i>For 304 Stainless Steel Liner, Add</i>	2.79	
<i>For 2" Wall Instead Of 1", Add</i>	17.87	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	30.15	
23 51 16 00-0033 EA 6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	114.43	28.65
<i>For Aluminum Liner, Add</i>	2.38	
<i>For 304 Stainless Steel Liner, Add</i>	3.24	
<i>For 2" Wall Instead Of 1", Add</i>	20.10	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	33.70	
23 51 16 00-0034 EA 7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	134.11	30.67
<i>For Aluminum Liner, Add</i>	3.18	
<i>For 304 Stainless Steel Liner, Add</i>	4.34	
<i>For 2" Wall Instead Of 1", Add</i>	24.98	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	41.29	
23 51 16 00-0035 EA 8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	155.19	33.10
<i>For Aluminum Liner, Add</i>	3.99	
<i>For 304 Stainless Steel Liner, Add</i>	5.43	
<i>For 2" Wall Instead Of 1", Add</i>	30.01	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	49.15	
23 51 16 00-0036 EA 10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	256.61	35.92
<i>For Aluminum Liner, Add</i>	9.17	
<i>For 304 Stainless Steel Liner, Add</i>	12.50	
<i>For 2" Wall Instead Of 1", Add</i>	58.99	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	92.99	
23 51 16 00-0037 EA 12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	307.93	39.15
<i>For Aluminum Liner, Add</i>	11.56	
<i>For 304 Stainless Steel Liner, Add</i>	15.76	
<i>For 2" Wall Instead Of 1", Add</i>	72.82	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	114.12	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0038 EA 14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	393.09	41.04
For Aluminum Liner, Add	15.98	
For 304 Stainless Steel Liner, Add	21.79	
For 2" Wall Instead Of 1", Add	97.43	
For 3" To 4" Wall Instead Of 1", Add	151.26	
23 51 16 00-0039 EA 16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	478.43	43.05
For Aluminum Liner, Add	20.41	
For 304 Stainless Steel Liner, Add	27.83	
For 2" Wall Instead Of 1", Add	122.05	
For 3" To 4" Wall Instead Of 1", Add	188.44	
23 51 16 00-0040 EA 18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	611.95	45.34
For Aluminum Liner, Add	27.42	
For 304 Stainless Steel Liner, Add	37.39	
For 2" Wall Instead Of 1", Add	160.91	
For 3" To 4" Wall Instead Of 1", Add	247.03	
23 51 16 00-0041 EA 20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	867.87	71.71
For Aluminum Liner, Add	37.86	
For 304 Stainless Steel Liner, Add	51.63	
For 2" Wall Instead Of 1", Add	224.47	
For 3" To 4" Wall Instead Of 1", Add	345.67	
23 51 16 00-0042 EA 22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,132.04	76.01
For Aluminum Liner, Add	51.81	
For 304 Stainless Steel Liner, Add	70.65	
For 2" Wall Instead Of 1", Add	301.61	
For 3" To 4" Wall Instead Of 1", Add	461.91	
23 51 16 00-0043 EA 24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,274.45	80.72
For Aluminum Liner, Add	58.98	
For 304 Stainless Steel Liner, Add	80.43	
For 2" Wall Instead Of 1", Add	341.94	
For 3" To 4" Wall Instead Of 1", Add	523.00	
23 51 16 00-0044 45 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0045 EA 3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	74.95	23.94
For Aluminum Liner, Add	0.84	
For 304 Stainless Steel Liner, Add	1.14	
For 2" Wall Instead Of 1", Add	10.54	
For 3" To 4" Wall Instead Of 1", Add	18.80	
23 51 16 00-0046 EA 4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	81.29	25.29
For Aluminum Liner, Add	0.99	
For 304 Stainless Steel Liner, Add	1.34	
For 2" Wall Instead Of 1", Add	11.72	
For 3" To 4" Wall Instead Of 1", Add	20.74	
23 51 16 00-0047 EA 5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	88.38	26.91
For Aluminum Liner, Add	1.16	
For 304 Stainless Steel Liner, Add	1.58	
For 2" Wall Instead Of 1", Add	13.06	
For 3" To 4" Wall Instead Of 1", Add	22.95	
23 51 16 00-0048 EA 6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	97.00	28.65
For Aluminum Liner, Add	1.39	
For 304 Stainless Steel Liner, Add	1.90	
For 2" Wall Instead Of 1", Add	14.75	
For 3" To 4" Wall Instead Of 1", Add	25.72	
23 51 16 00-0049 EA 7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	113.07	30.67
For Aluminum Liner, Add	1.99	
For 304 Stainless Steel Liner, Add	2.72	
For 2" Wall Instead Of 1", Add	18.55	
For 3" To 4" Wall Instead Of 1", Add	31.67	
23 51 16 00-0050 EA 8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	124.40	33.10
For Aluminum Liner, Add	2.29	
For 304 Stainless Steel Liner, Add	3.13	
For 2" Wall Instead Of 1", Add	20.77	
For 3" To 4" Wall Instead Of 1", Add	35.30	
23 51 16 00-0051 EA 10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	193.89	35.92
For Aluminum Liner, Add	5.73	
For 304 Stainless Steel Liner, Add	7.81	
For 2" Wall Instead Of 1", Add	40.22	
For 3" To 4" Wall Instead Of 1", Add	64.82	
23 51 16 00-0052 EA 12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	229.16	39.15
For Aluminum Liner, Add	7.22	
For 304 Stainless Steel Liner, Add	9.85	
For 2" Wall Instead Of 1", Add	49.18	
For 3" To 4" Wall Instead Of 1", Add	78.67	
23 51 16 00-0053 EA 14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	287.32	41.04
For Aluminum Liner, Add	10.16	
For 304 Stainless Steel Liner, Add	13.86	
For 2" Wall Instead Of 1", Add	65.69	
For 3" To 4" Wall Instead Of 1", Add	103.66	
23 51 16 00-0054 EA 16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	339.47	43.05
For Aluminum Liner, Add	12.75	
For 304 Stainless Steel Liner, Add	17.39	
For 2" Wall Instead Of 1", Add	80.32	
For 3" To 4" Wall Instead Of 1", Add	125.86	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central Heating Equipment		23 50
Breechings, Chimneys, and Stacks		23 51

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0055 EA 18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	424.87	45.34
For Aluminum Liner, Add	17.14	
For 304 Stainless Steel Liner, Add	23.37	
For 2" Wall Instead Of 1", Add	104.81	
For 3" To 4" Wall Instead Of 1", Add	162.87	
23 51 16 00-0056 EA 20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	530.35	71.57
For Aluminum Liner, Add	19.33	
For 304 Stainless Steel Liner, Add	26.36	
For 2" Wall Instead Of 1", Add	123.33	
For 3" To 4" Wall Instead Of 1", Add	193.93	
23 51 16 00-0057 EA 22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	719.00	76.01
For Aluminum Liner, Add	29.09	
For 304 Stainless Steel Liner, Add	39.67	
For 2" Wall Instead Of 1", Add	177.70	
For 3" To 4" Wall Instead Of 1", Add	276.05	
23 51 16 00-0058 EA 24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	871.95	80.72
For Aluminum Liner, Add	36.87	
For 304 Stainless Steel Liner, Add	50.27	
For 2" Wall Instead Of 1", Add	221.25	
For 3" To 4" Wall Instead Of 1", Add	341.96	
23 51 16 00-0059 EA 26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,530.85	83.41
For Aluminum Liner, Add	72.73	
For 304 Stainless Steel Liner, Add	99.18	
For 2" Wall Instead Of 1", Add	417.58	
For 3" To 4" Wall Instead Of 1", Add	636.78	
23 51 16 00-0060 EA 28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,573.80	86.10
For Aluminum Liner, Add	74.73	
For 304 Stainless Steel Liner, Add	101.90	
For 2" Wall Instead Of 1", Add	429.12	
For 3" To 4" Wall Instead Of 1", Add	654.43	
23 51 16 00-0061 EA 30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,659.72	91.49
For Aluminum Liner, Add	78.71	
For 304 Stainless Steel Liner, Add	107.34	
For 2" Wall Instead Of 1", Add	452.20	
For 3" To 4" Wall Instead Of 1", Add	689.73	
23 51 16 00-0062 EA 32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,847.58	94.17
For Aluminum Liner, Add	88.68	
For 304 Stainless Steel Liner, Add	120.92	
For 2" Wall Instead Of 1", Add	507.22	
For 3" To 4" Wall Instead Of 1", Add	772.59	
23 51 16 00-0063 EA 34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,015.02	99.55
For Aluminum Liner, Add	97.15	
For 304 Stainless Steel Liner, Add	132.47	
For 2" Wall Instead Of 1", Add	554.76	
For 3" To 4" Wall Instead Of 1", Add	844.58	
23 51 16 00-0064 EA 36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,080.48	107.62
For Aluminum Liner, Add	99.64	
For 304 Stainless Steel Liner, Add	135.87	
For 2" Wall Instead Of 1", Add	570.36	
For 3" To 4" Wall Instead Of 1", Add	868.99	
23 51 16 00-0065 EA 38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,225.75	111.40
For Aluminum Liner, Add	107.11	
For 304 Stainless Steel Liner, Add	146.06	
For 2" Wall Instead Of 1", Add	612.07	
For 3" To 4" Wall Instead Of 1", Add	932.01	
23 51 16 00-0066 EA 40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,365.66	113.01
For Aluminum Liner, Add	114.58	
For 304 Stainless Steel Liner, Add	156.25	
For 2" Wall Instead Of 1", Add	653.23	
For 3" To 4" Wall Instead Of 1", Add	993.96	
23 51 16 00-0067 EA 42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,469.67	118.39
For Aluminum Liner, Add	119.56	
For 304 Stainless Steel Liner, Add	163.04	
For 2" Wall Instead Of 1", Add	681.75	
For 3" To 4" Wall Instead Of 1", Add	1,037.41	
23 51 16 00-0068 EA 44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,618.98	123.77
For Aluminum Liner, Add	127.04	
For 304 Stainless Steel Liner, Add	173.23	
For 2" Wall Instead Of 1", Add	723.85	
For 3" To 4" Wall Instead Of 1", Add	1,101.24	
23 51 16 00-0069 EA 46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,813.57	129.15
For Aluminum Liner, Add	137.00	
For 304 Stainless Steel Liner, Add	186.82	
For 2" Wall Instead Of 1", Add	779.54	
For 3" To 4" Wall Instead Of 1", Add	1,185.44	
23 51 16 00-0070 EA 48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,917.60	134.53
For Aluminum Liner, Add	141.98	
For 304 Stainless Steel Liner, Add	193.61	
For 2" Wall Instead Of 1", Add	808.06	
For 3" To 4" Wall Instead Of 1", Add	1,228.90	

23 51 16 00-0071 Tees (23 51 16 00-0001)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0072	EA		3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	116.97	31.88
			<i>For Aluminum Liner, Add</i>	2.04	
			<i>For 304 Stainless Steel Liner, Add</i>	2.79	
			<i>For 2" Wall Instead Of 1", Add</i>	19.13	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	32.68	
23 51 16 00-0073	EA		4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	121.68	33.10
			<i>For Aluminum Liner, Add</i>	2.14	
			<i>For 304 Stainless Steel Liner, Add</i>	2.92	
			<i>For 2" Wall Instead Of 1", Add</i>	19.96	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	34.07	
23 51 16 00-0074	EA		6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	126.86	34.44
			<i>For Aluminum Liner, Add</i>	2.24	
			<i>For 304 Stainless Steel Liner, Add</i>	3.06	
			<i>For 2" Wall Instead Of 1", Add</i>	20.84	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	35.56	
23 51 16 00-0075	EA		6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	135.03	35.92
			<i>For Aluminum Liner, Add</i>	2.49	
			<i>For 304 Stainless Steel Liner, Add</i>	3.40	
			<i>For 2" Wall Instead Of 1", Add</i>	22.56	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	38.33	
23 51 16 00-0076	EA		7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	156.13	37.40
			<i>For Aluminum Liner, Add</i>	3.44	
			<i>For 304 Stainless Steel Liner, Add</i>	4.69	
			<i>For 2" Wall Instead Of 1", Add</i>	28.11	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	46.85	
23 51 16 00-0077	EA		8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	166.63	39.15
			<i>For Aluminum Liner, Add</i>	3.79	
			<i>For 304 Stainless Steel Liner, Add</i>	5.16	
			<i>For 2" Wall Instead Of 1", Add</i>	30.43	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	50.54	
23 51 16 00-0078	EA		10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	289.10	41.04
			<i>For Aluminum Liner, Add</i>	10.26	
			<i>For 304 Stainless Steel Liner, Add</i>	13.99	
			<i>For 2" Wall Instead Of 1", Add</i>	66.23	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	104.47	
23 51 16 00-0079	EA		12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	332.23	43.05
			<i>For Aluminum Liner, Add</i>	12.36	
			<i>For 304 Stainless Steel Liner, Add</i>	16.85	
			<i>For 2" Wall Instead Of 1", Add</i>	78.15	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	122.61	
23 51 16 00-0080	EA		14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	485.50	47.90
			<i>For Aluminum Liner, Add</i>	20.13	
			<i>For 304 Stainless Steel Liner, Add</i>	27.45	
			<i>For 2" Wall Instead Of 1", Add</i>	121.74	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	188.59	
23 51 16 00-0081	EA		16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	652.59	53.81
			<i>For Aluminum Liner, Add</i>	28.50	
			<i>For 304 Stainless Steel Liner, Add</i>	38.86	
			<i>For 2" Wall Instead Of 1", Add</i>	168.88	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	260.05	
23 51 16 00-0082	EA		18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	805.89	61.48
			<i>For Aluminum Liner, Add</i>	35.87	
			<i>For 304 Stainless Steel Liner, Add</i>	48.91	
			<i>For 2" Wall Instead Of 1", Add</i>	211.02	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	324.22	
23 51 16 00-0083	EA		20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,068.42	76.01
			<i>For Aluminum Liner, Add</i>	48.32	
			<i>For 304 Stainless Steel Liner, Add</i>	65.90	
			<i>For 2" Wall Instead Of 1", Add</i>	282.57	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	433.34	
23 51 16 00-0084	EA		22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,344.21	99.28
			<i>For Aluminum Liner, Add</i>	60.28	
			<i>For 304 Stainless Steel Liner, Add</i>	82.20	
			<i>For 2" Wall Instead Of 1", Add</i>	353.62	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	542.84	
23 51 16 00-0085	EA		24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,539.51	104.94
			<i>For Aluminum Liner, Add</i>	70.24	
			<i>For 304 Stainless Steel Liner, Add</i>	95.79	
			<i>For 2" Wall Instead Of 1", Add</i>	409.38	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	627.19	
23 51 16 00-0086	EA		26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,094.21	113.01
			<i>For Aluminum Liner, Add</i>	99.64	
			<i>For 304 Stainless Steel Liner, Add</i>	135.87	
			<i>For 2" Wall Instead Of 1", Add</i>	571.74	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	871.74	
23 51 16 00-0087	EA		28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,331.50	117.45
			<i>For Aluminum Liner, Add</i>	112.09	
			<i>For 304 Stainless Steel Liner, Add</i>	152.85	
			<i>For 2" Wall Instead Of 1", Add</i>	640.75	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	975.81	
23 51 16 00-0088	EA		30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,528.59	123.77
			<i>For Aluminum Liner, Add</i>	122.05	
			<i>For 304 Stainless Steel Liner, Add</i>	166.44	
			<i>For 2" Wall Instead Of 1", Add</i>	696.70	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,060.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0089 EA 32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,904.28	129.15
<i>For Aluminum Liner, Add</i>	141.98	
<i>For 304 Stainless Steel Liner, Add</i>	193.61	
<i>For 2" Wall Instead Of 1", Add</i>	806.73	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,226.23	
23 51 16 00-0090 EA 34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,963.12	134.53
<i>For Aluminum Liner, Add</i>	144.47	
<i>For 304 Stainless Steel Liner, Add</i>	197.01	
<i>For 2" Wall Instead Of 1", Add</i>	821.67	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,249.32	
23 51 16 00-0091 EA 36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,438.62	143.55
<i>For Aluminum Liner, Add</i>	169.38	
<i>For 304 Stainless Steel Liner, Add</i>	230.98	
<i>For 2" Wall Instead Of 1", Add</i>	959.80	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,457.64	
23 51 16 00-0092 EA 38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,528.73	161.43
<i>For Aluminum Liner, Add</i>	171.87	
<i>For 304 Stainless Steel Liner, Add</i>	234.37	
<i>For 2" Wall Instead Of 1", Add</i>	977.87	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,486.99	
23 51 16 00-0093 EA 40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,858.07	184.58
<i>For Aluminum Liner, Add</i>	186.82	
<i>For 304 Stainless Steel Liner, Add</i>	254.75	
<i>For 2" Wall Instead Of 1", Add</i>	1,065.15	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,620.79	
23 51 16 00-0094 EA 42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,251.87	215.26
<i>For Aluminum Liner, Add</i>	204.26	
<i>For 304 Stainless Steel Liner, Add</i>	278.53	
<i>For 2" Wall Instead Of 1", Add</i>	1,167.93	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,778.81	
23 51 16 00-0095 EA 44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,635.67	242.16
<i>For Aluminum Liner, Add</i>	221.69	
<i>For 304 Stainless Steel Liner, Add</i>	302.31	
<i>For 2" Wall Instead Of 1", Add</i>	1,269.72	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,934.82	
23 51 16 00-0096 EA 46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,063.52	250.24
<i>For Aluminum Liner, Add</i>	244.11	
<i>For 304 Stainless Steel Liner, Add</i>	332.88	
<i>For 2" Wall Instead Of 1", Add</i>	1,394.02	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,122.29	
23 51 16 00-0097 EA 48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,355.65	258.30
<i>For Aluminum Liner, Add</i>	259.06	
<i>For 304 Stainless Steel Liner, Add</i>	353.26	
<i>For 2" Wall Instead Of 1", Add</i>	1,477.59	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,248.66	
23 51 16 00-0098 Vent Top Caps (23 51 16 00-0001)		
23 51 16 00-0099 EA 3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	60.84	18.70
<i>For Aluminum Liner, Add</i>	0.77	
<i>For 304 Stainless Steel Liner, Add</i>	1.05	
<i>For 2" Wall Instead Of 1", Add</i>	8.89	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	15.68	
23 51 16 00-0100 EA 4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	63.72	19.64
<i>For Aluminum Liner, Add</i>	0.81	
<i>For 304 Stainless Steel Liner, Add</i>	1.11	
<i>For 2" Wall Instead Of 1", Add</i>	9.32	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.43	
23 51 16 00-0101 EA 6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	79.44	21.53
<i>For Aluminum Liner, Add</i>	1.41	
<i>For 304 Stainless Steel Liner, Add</i>	1.92	
<i>For 2" Wall Instead Of 1", Add</i>	13.07	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.30	
23 51 16 00-0102 EA 8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	85.36	23.94
<i>For Aluminum Liner, Add</i>	1.41	
<i>For 304 Stainless Steel Liner, Add</i>	1.92	
<i>For 2" Wall Instead Of 1", Add</i>	13.66	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.48	
23 51 16 00-0103 EA 10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	101.00	25.29
<i>For Aluminum Liner, Add</i>	2.08	
<i>For 304 Stainless Steel Liner, Add</i>	2.83	
<i>For 2" Wall Instead Of 1", Add</i>	17.65	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.64	
23 51 16 00-0104 EA 12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	117.08	26.91
<i>For Aluminum Liner, Add</i>	2.74	
<i>For 304 Stainless Steel Liner, Add</i>	3.74	
<i>For 2" Wall Instead Of 1", Add</i>	21.67	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	35.87	
23 51 16 00-0105 EA 16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	251.64	30.67
<i>For Aluminum Liner, Add</i>	9.62	
<i>For 304 Stainless Steel Liner, Add</i>	13.11	
<i>For 2" Wall Instead Of 1", Add</i>	60.13	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	94.03	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0106	EA		18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	454.75	38.48
			<i>For Aluminum Liner, Add</i>	19.73	
			<i>For 304 Stainless Steel Liner, Add</i>	26.90	
			<i>For 2" Wall Instead Of 1", Add</i>	117.21	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	180.62	
23 51 16 00-0107	EA		20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	821.82	46.15
			<i>For Aluminum Liner, Add</i>	38.86	
			<i>For 304 Stainless Steel Liner, Add</i>	52.99	
			<i>For 2" Wall Instead Of 1", Add</i>	223.49	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	340.99	
23 51 16 00-0108	EA		24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,357.10	64.58
			<i>For Aluminum Liner, Add</i>	65.76	
			<i>For 304 Stainless Steel Liner, Add</i>	89.67	
			<i>For 2" Wall Instead Of 1", Add</i>	374.84	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	570.33	
23 51 16 00-0109	EA		26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,981.44	67.94
			<i>For Aluminum Liner, Add</i>	99.64	
			<i>For 304 Stainless Steel Liner, Add</i>	135.87	
			<i>For 2" Wall Instead Of 1", Add</i>	560.46	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	849.18	
23 51 16 00-0110	EA		28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,217.40	71.71
			<i>For Aluminum Liner, Add</i>	112.09	
			<i>For 304 Stainless Steel Liner, Add</i>	152.85	
			<i>For 2" Wall Instead Of 1", Add</i>	629.34	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	952.99	
23 51 16 00-0111	EA		30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,499.78	76.01
			<i>For Aluminum Liner, Add</i>	127.04	
			<i>For 304 Stainless Steel Liner, Add</i>	173.23	
			<i>For 2" Wall Instead Of 1", Add</i>	711.93	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,077.40	
23 51 16 00-0112	EA		32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,647.51	80.72
			<i>For Aluminum Liner, Add</i>	134.51	
			<i>For 304 Stainless Steel Liner, Add</i>	183.42	
			<i>For 2" Wall Instead Of 1", Add</i>	753.88	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,140.91	
23 51 16 00-0113	EA		34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,796.82	86.10
			<i>For Aluminum Liner, Add</i>	141.98	
			<i>For 304 Stainless Steel Liner, Add</i>	193.61	
			<i>For 2" Wall Instead Of 1", Add</i>	795.98	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,204.74	
23 51 16 00-0114	EA		36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,993.18	92.29
			<i>For Aluminum Liner, Add</i>	151.95	
			<i>For 304 Stainless Steel Liner, Add</i>	207.20	
			<i>For 2" Wall Instead Of 1", Add</i>	851.85	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,289.30	
23 51 16 00-0115			Wall Thimbles <small>(23 51 16 00-0001)</small>		
23 51 16 00-0116	EA		3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	26.76	10.09
			<i>For Aluminum Liner, Add</i>	0.09	
			<i>For 304 Stainless Steel Liner, Add</i>	0.12	
			<i>For 2" Wall Instead Of 1", Add</i>	3.00	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.75	
23 51 16 00-0117	EA		4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	34.06	12.92
			<i>For Aluminum Liner, Add</i>	0.09	
			<i>For 304 Stainless Steel Liner, Add</i>	0.12	
			<i>For 2" Wall Instead Of 1", Add</i>	3.74	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.22	
23 51 16 00-0118	EA		5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	45.43	17.35
			<i>For Aluminum Liner, Add</i>	0.11	
			<i>For 304 Stainless Steel Liner, Add</i>	0.15	
			<i>For 2" Wall Instead Of 1", Add</i>	4.95	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.59	
23 51 16 00-0119	EA		7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	56.70	21.53
			<i>For Aluminum Liner, Add</i>	0.16	
			<i>For 304 Stainless Steel Liner, Add</i>	0.22	
			<i>For 2" Wall Instead Of 1", Add</i>	6.25	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.06	
23 51 16 00-0120	EA		10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	80.06	29.06
			<i>For Aluminum Liner, Add</i>	0.41	
			<i>For 304 Stainless Steel Liner, Add</i>	0.56	
			<i>For 2" Wall Instead Of 1", Add</i>	9.49	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	17.87	
23 51 16 00-0121	EA		12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	100.65	36.06
			<i>For Aluminum Liner, Add</i>	0.58	
			<i>For 304 Stainless Steel Liner, Add</i>	0.79	
			<i>For 2" Wall Instead Of 1", Add</i>	12.17	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.76	
23 51 16 00-0122	EA		14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	125.43	43.05
			<i>For Aluminum Liner, Add</i>	0.98	
			<i>For 304 Stainless Steel Liner, Add</i>	1.34	
			<i>For 2" Wall Instead Of 1", Add</i>	16.11	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0123 EA 18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	159.68	51.13
For Aluminum Liner, Add	1.75	
For 304 Stainless Steel Liner, Add	2.39	
For 2" Wall Instead Of 1", Add	22.34	
For 3" To 4" Wall Instead Of 1", Add	39.91	
23 51 16 00-0124 EA 22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	205.34	56.51
For Aluminum Liner, Add	3.52	
For 304 Stainless Steel Liner, Add	4.81	
For 2" Wall Instead Of 1", Add	33.35	
For 3" To 4" Wall Instead Of 1", Add	57.09	
23 51 16 00-0125 Adjustable Roof Flashing (23 51 16 00-0001)		
23 51 16 00-0126 EA 3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	70.16	23.94
For Aluminum Liner, Add	0.57	
For 304 Stainless Steel Liner, Add	0.78	
For 2" Wall Instead Of 1", Add	9.10	
For 3" To 4" Wall Instead Of 1", Add	16.64	
23 51 16 00-0127 EA 4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	76.76	25.29
For Aluminum Liner, Add	0.74	
For 304 Stainless Steel Liner, Add	1.01	
For 2" Wall Instead Of 1", Add	10.36	
For 3" To 4" Wall Instead Of 1", Add	18.70	
23 51 16 00-0128 EA 6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	94.16	28.65
For Aluminum Liner, Add	1.24	
For 304 Stainless Steel Liner, Add	1.68	
For 2" Wall Instead Of 1", Add	13.91	
For 3" To 4" Wall Instead Of 1", Add	24.45	
23 51 16 00-0129 EA 8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	113.44	33.10
For Aluminum Liner, Add	1.69	
For 304 Stainless Steel Liner, Add	2.30	
For 2" Wall Instead Of 1", Add	17.49	
For 3" To 4" Wall Instead Of 1", Add	30.37	
23 51 16 00-0130 EA 10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	173.98	35.92
For Aluminum Liner, Add	4.63	
For 304 Stainless Steel Liner, Add	6.32	
For 2" Wall Instead Of 1", Add	34.25	
For 3" To 4" Wall Instead Of 1", Add	55.86	
23 51 16 00-0131 EA 12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	204.67	39.15
For Aluminum Liner, Add	5.88	
For 304 Stainless Steel Liner, Add	8.02	
For 2" Wall Instead Of 1", Add	41.84	
For 3" To 4" Wall Instead Of 1", Add	67.65	
23 51 16 00-0132 EA 14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	238.96	43.05
For Aluminum Liner, Add	7.22	
For 304 Stainless Steel Liner, Add	9.85	
For 2" Wall Instead Of 1", Add	50.16	
For 3" To 4" Wall Instead Of 1", Add	80.63	
23 51 16 00-0133 EA 16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	282.78	47.90
For Aluminum Liner, Add	8.97	
For 304 Stainless Steel Liner, Add	12.23	
For 2" Wall Instead Of 1", Add	60.89	
For 3" To 4" Wall Instead Of 1", Add	97.32	
23 51 16 00-0134 EA 18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	415.37	53.81
For Aluminum Liner, Add	15.44	
For 304 Stainless Steel Liner, Add	21.06	
For 2" Wall Instead Of 1", Add	97.70	
For 3" To 4" Wall Instead Of 1", Add	153.27	
23 51 16 00-0135 EA 20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	465.61	71.71
For Aluminum Liner, Add	15.74	
For 304 Stainless Steel Liner, Add	21.47	
For 2" Wall Instead Of 1", Add	103.81	
For 3" To 4" Wall Instead Of 1", Add	164.68	
23 51 16 00-0136 EA 22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	593.00	92.29
For Aluminum Liner, Add	19.93	
For 304 Stainless Steel Liner, Add	27.17	
For 2" Wall Instead Of 1", Add	131.76	
For 3" To 4" Wall Instead Of 1", Add	209.18	
23 51 16 00-0137 EA 24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	703.85	107.62
For Aluminum Liner, Add	23.91	
For 304 Stainless Steel Liner, Add	32.61	
For 2" Wall Instead Of 1", Add	157.34	
For 3" To 4" Wall Instead Of 1", Add	249.47	
23 51 16 00-0138 Galvanized Storm Collars (23 51 16 00-0001)		
23 51 16 00-0139 EA 3" Round Galvanized Storm Collar, Double Wall	28.16	10.09
For Aluminum Liner, Add	0.17	
For 304 Stainless Steel Liner, Add	0.23	
For 2" Wall Instead Of 1", Add	3.42	
For 3" To 4" Wall Instead Of 1", Add	6.38	
23 51 16 00-0140 EA 4" Round Galvanized Storm Collar, Double Wall	35.74	12.92
For Aluminum Liner, Add	0.19	
For 304 Stainless Steel Liner, Add	0.26	
For 2" Wall Instead Of 1", Add	4.26	
For 3" To 4" Wall Instead Of 1", Add	8.01	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0141 EA 5" Round Galvanized Storm Collar, Double Wall	41.97	15.07
For Aluminum Liner, Add	0.24	
For 304 Stainless Steel Liner, Add	0.32	
For 2" Wall Instead Of 1", Add	5.06	
For 3" To 4" Wall Instead Of 1", Add	9.47	
23 51 16 00-0142 EA 6" Round Galvanized Storm Collar, Double Wall	48.21	17.22
For Aluminum Liner, Add	0.28	
For 304 Stainless Steel Liner, Add	0.39	
For 2" Wall Instead Of 1", Add	5.85	
For 3" To 4" Wall Instead Of 1", Add	10.93	
23 51 16 00-0143 EA 7" Or 8" Round Galvanized Storm Collar, Double Wall	60.68	21.53
For Aluminum Liner, Add	0.38	
For 304 Stainless Steel Liner, Add	0.51	
For 2" Wall Instead Of 1", Add	7.44	
For 3" To 4" Wall Instead Of 1", Add	13.85	
23 51 16 00-0144 EA 10" Round Galvanized Storm Collar, Double Wall	83.40	29.06
For Aluminum Liner, Add	0.59	
For 304 Stainless Steel Liner, Add	0.81	
For 2" Wall Instead Of 1", Add	10.49	
For 3" To 4" Wall Instead Of 1", Add	19.37	
23 51 16 00-0145 EA 12" Round Galvanized Storm Collar, Double Wall	103.07	36.06
For Aluminum Liner, Add	0.71	
For 304 Stainless Steel Liner, Add	0.97	
For 2" Wall Instead Of 1", Add	12.89	
For 3" To 4" Wall Instead Of 1", Add	23.84	
23 51 16 00-0146 EA 14" Or 16" Round Galvanized Storm Collar, Double Wall	129.55	43.05
For Aluminum Liner, Add	1.21	
For 304 Stainless Steel Liner, Add	1.64	
For 2" Wall Instead Of 1", Add	17.34	
For 3" To 4" Wall Instead Of 1", Add	31.39	
23 51 16 00-0147 EA 18" Or 20" Round Galvanized Storm Collar, Double Wall	167.48	51.13
For Aluminum Liner, Add	2.18	
For 304 Stainless Steel Liner, Add	2.98	
For 2" Wall Instead Of 1", Add	24.68	
For 3" To 4" Wall Instead Of 1", Add	43.42	
23 51 16 00-0148 EA 22" Or 24" Round Galvanized Storm Collar, Double Wall	224.86	56.51
For Aluminum Liner, Add	4.60	
For 304 Stainless Steel Liner, Add	6.27	
For 2" Wall Instead Of 1", Add	39.21	
For 3" To 4" Wall Instead Of 1", Add	65.87	
23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)		
23 51 16 00-0151 LF 4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	44.61	12.65
For 2" Wall Instead Of 1", Add	7.06	
For 3" To 4" Wall Instead Of 1", Add	12.17	
23 51 16 00-0152 LF 5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	48.80	13.45
For 2" Wall Instead Of 1", Add	7.96	
For 3" To 4" Wall Instead Of 1", Add	13.62	
23 51 16 00-0153 LF 6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	53.79	14.40
For 2" Wall Instead Of 1", Add	8.96	
For 3" To 4" Wall Instead Of 1", Add	15.23	
23 51 16 00-0154 45 Degree Elbows (23 51 16 00-0149)		
23 51 16 00-0155 EA 4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	96.74	26.24
For 2" Wall Instead Of 1", Add	15.90	
For 3" To 4" Wall Instead Of 1", Add	27.13	
23 51 16 00-0156 EA 5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	112.92	30.67
For 2" Wall Instead Of 1", Add	18.54	
For 3" To 4" Wall Instead Of 1", Add	31.64	
23 51 16 00-0157 EA 6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	133.26	34.71
For 2" Wall Instead Of 1", Add	22.62	
For 3" To 4" Wall Instead Of 1", Add	38.27	
23 51 16 00-0158 EA 4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	98.30	26.24
For 2" Wall Instead Of 1", Add	16.37	
For 3" To 4" Wall Instead Of 1", Add	27.83	
23 51 16 00-0159 EA 5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	116.70	30.67
For 2" Wall Instead Of 1", Add	19.67	
For 3" To 4" Wall Instead Of 1", Add	33.34	
23 51 16 00-0160 EA 6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	135.70	34.71
For 2" Wall Instead Of 1", Add	23.35	
For 3" To 4" Wall Instead Of 1", Add	39.37	
23 51 16 00-0161 Tees (23 51 16 00-0149)		
23 51 16 00-0162 EA 4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	159.01	39.82
For 2" Wall Instead Of 1", Add	27.77	
For 3" To 4" Wall Instead Of 1", Add	46.64	
23 51 16 00-0163 EA 4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	161.45	39.82
For 2" Wall Instead Of 1", Add	28.50	
For 3" To 4" Wall Instead Of 1", Add	47.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0164 EA 5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	185.49	45.74
<i>For 2" Wall Instead Of 1", Add</i>	32.78	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	54.88	
23 51 16 00-0165 EA 6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	211.48	51.26
<i>For 2" Wall Instead Of 1", Add</i>	37.82	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	63.13	
23 51 16 00-0166 Tops/Caps And Adjustable Flashing <small>(23 51 16 00-0149)</small>		
23 51 16 00-0167 EA 4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	59.31	12.92
<i>For 2" Wall Instead Of 1", Add</i>	11.31	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	18.59	
23 51 16 00-0168 EA 6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	90.63	17.35
<i>For 2" Wall Instead Of 1", Add</i>	18.51	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.93	
23 51 16 00-0169 EA 4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	49.75	12.92
<i>For 2" Wall Instead Of 1", Add</i>	8.44	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	14.29	
23 51 16 00-0170 EA 6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	81.63	17.35
<i>For 2" Wall Instead Of 1", Add</i>	15.81	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.88	
23 51 16 00-0171 Storm Collars <small>(23 51 16 00-0149)</small>		
23 51 16 00-0172 EA 4" Oval Galvanized Storm Collar, Double Wall	35.74	12.92
<i>For 2" Wall Instead Of 1", Add</i>	4.26	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.01	
23 51 16 00-0173 EA 5" Oval Galvanized Storm Collar, Double Wall	41.97	15.07
<i>For 2" Wall Instead Of 1", Add</i>	5.06	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.47	
23 51 16 00-0174 EA 6" Oval Galvanized Storm Collar, Double Wall	48.21	17.22
<i>For 2" Wall Instead Of 1", Add</i>	5.85	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.93	
23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
<i>Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.</i>		
23 51 16 00-0176 Round Double Wall Flue/Vent Pipe <small>(23 51 16 00-0175)</small>		
<i>Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.</i>		
23 51 16 00-0177 LF 6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	112.65	14.40
<i>For 316 Stainless Steel, Add</i>	12.28	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	7.67	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	15.34	
23 51 16 00-0178 LF 8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	135.09	16.55
<i>For 316 Stainless Steel, Add</i>	14.98	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	9.36	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	18.73	
23 51 16 00-0179 LF 10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	149.70	17.90
<i>For 316 Stainless Steel, Add</i>	16.79	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	10.49	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	20.98	
23 51 16 00-0180 LF 12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	168.50	19.51
<i>For 316 Stainless Steel, Add</i>	19.13	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.96	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	23.92	
23 51 16 00-0181 LF 14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	188.91	20.45
<i>For 316 Stainless Steel, Add</i>	22.02	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	13.76	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	27.53	
23 51 16 00-0182 LF 16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	199.45	21.53
<i>For 316 Stainless Steel, Add</i>	23.29	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	14.55	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	29.11	
23 51 16 00-0183 LF 18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	220.30	22.74
<i>For 316 Stainless Steel, Add</i>	26.17	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	16.36	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	32.72	
23 51 16 00-0184 LF 20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	277.02	35.92
<i>For 316 Stainless Steel, Add</i>	29.96	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	18.73	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	37.46	
23 51 16 00-0185 LF 24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	342.36	40.36
<i>For 316 Stainless Steel, Add</i>	38.63	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	24.14	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	48.29	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0186	LF		28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	385.12	43.05
			<i>For 316 Stainless Steel, Add</i>	44.41	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	27.75	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	55.51	
23 51 16 00-0187	LF		32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	430.85	47.76
			<i>For 316 Stainless Steel, Add</i>	49.82	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	31.14	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	62.28	
23 51 16 00-0188	LF		36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	478.74	51.66
			<i>For 316 Stainless Steel, Add</i>	55.96	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.98	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	69.95	
23 51 16 00-0189	LF		42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	546.49	58.79
			<i>For 316 Stainless Steel, Add</i>	63.90	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	39.94	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	79.88	
23 51 16 00-0190	LF		48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	639.53	68.08
			<i>For 316 Stainless Steel, Add</i>	75.09	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	46.93	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	93.87	
23 51 16 00-0191			90 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0192	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	509.78	29.73
			<i>For 316 Stainless Steel, Add</i>	87.10	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	43.55	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	87.10	
23 51 16 00-0193	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	563.34	33.10
			<i>For 316 Stainless Steel, Add</i>	96.12	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	48.06	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	96.12	
23 51 16 00-0194	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	640.35	35.92
			<i>For 316 Stainless Steel, Add</i>	110.11	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	55.06	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	110.11	
23 51 16 00-0195	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	722.84	39.15
			<i>For 316 Stainless Steel, Add</i>	125.01	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	62.50	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	125.01	
23 51 16 00-0196	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	835.87	41.04
			<i>For 316 Stainless Steel, Add</i>	146.67	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	73.33	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	146.67	
23 51 16 00-0197	EA		16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	919.92	43.05
			<i>For 316 Stainless Steel, Add</i>	162.46	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	81.23	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	162.46	
23 51 16 00-0198	EA		18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,060.97	45.34
			<i>For 316 Stainless Steel, Add</i>	189.54	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	94.77	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	189.54	
23 51 16 00-0199	EA		20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,239.91	71.71
			<i>For 316 Stainless Steel, Add</i>	212.11	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	106.05	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	212.11	
23 51 16 00-0200	EA		24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,521.82	80.72
			<i>For 316 Stainless Steel, Add</i>	264.00	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	132.00	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	264.00	
23 51 16 00-0201	EA		28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,839.90	86.10
			<i>For 316 Stainless Steel, Add</i>	324.93	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	162.46	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	324.93	
23 51 16 00-0202	EA		32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,419.28	92.15
			<i>For 316 Stainless Steel, Add</i>	437.75	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	218.87	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	437.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0203 EA 36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,751.15	107.62
<i>For 316 Stainless Steel, Add</i>	496.42	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	248.21	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	496.42	
23 51 16 00-0204 EA 42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,016.57	117.45
<i>For 316 Stainless Steel, Add</i>	744.62	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	372.31	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	744.62	
23 51 16 00-0205 EA 48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,004.98	129.15
<i>For 316 Stainless Steel, Add</i>	936.42	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	468.21	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	936.42	
23 51 16 00-0206 45 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0207 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	344.74	28.65
<i>For 316 Stainless Steel, Add</i>	54.61	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	27.30	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	54.61	
23 51 16 00-0208 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	394.11	33.10
<i>For 316 Stainless Steel, Add</i>	62.28	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	31.14	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	62.28	
23 51 16 00-0209 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	437.24	35.92
<i>For 316 Stainless Steel, Add</i>	69.50	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.75	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	69.50	
23 51 16 00-0210 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	497.21	39.15
<i>For 316 Stainless Steel, Add</i>	79.88	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	39.94	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	79.88	
23 51 16 00-0211 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	558.32	41.04
<i>For 316 Stainless Steel, Add</i>	91.16	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	45.58	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	91.16	
23 51 16 00-0212 EA 16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	624.32	43.05
<i>For 316 Stainless Steel, Add</i>	103.34	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	51.67	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	103.34	
23 51 16 00-0213 EA 18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	697.69	45.34
<i>For 316 Stainless Steel, Add</i>	116.88	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	58.44	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	116.88	
23 51 16 00-0214 EA 20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	847.30	71.71
<i>For 316 Stainless Steel, Add</i>	133.58	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	66.79	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	133.58	
23 51 16 00-0215 EA 24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,059.26	80.72
<i>For 316 Stainless Steel, Add</i>	171.49	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	85.75	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	171.49	
23 51 16 00-0216 EA 28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,185.53	86.10
<i>For 316 Stainless Steel, Add</i>	194.05	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	97.03	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	194.05	
23 51 16 00-0217 EA 32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,527.99	92.15
<i>For 316 Stainless Steel, Add</i>	259.49	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	129.75	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	259.49	
23 51 16 00-0218 EA 36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,017.81	107.62
<i>For 316 Stainless Steel, Add</i>	349.75	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	174.87	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	349.75	
23 51 16 00-0219 EA 42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,662.71	117.45
<i>For 316 Stainless Steel, Add</i>	473.85	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	236.93	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	473.85	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0220	EA		48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,538.32	129.15
			<i>For 316 Stainless Steel, Add</i>	643.08	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	321.54	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	643.08	
23 51 16 00-0221			Tees <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	376.35	35.92
			<i>For 316 Stainless Steel, Add</i>	63.05	
			<i>For Tee Cap, Add</i>	88.74	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	28.66	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	57.31	
23 51 16 00-0223	EA		8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	427.25	39.15
			<i>For 316 Stainless Steel, Add</i>	72.48	
			<i>For Tee Cap, Add</i>	100.12	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	32.94	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	65.89	
23 51 16 00-0224	EA		10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	488.34	41.04
			<i>For 316 Stainless Steel, Add</i>	84.89	
			<i>For Tee Cap, Add</i>	113.04	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	38.59	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	77.17	
23 51 16 00-0225	EA		12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	558.88	43.05
			<i>For 316 Stainless Steel, Add</i>	99.28	
			<i>For Tee Cap, Add</i>	127.91	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	45.13	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	90.26	
23 51 16 00-0226	EA		14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	652.10	47.90
			<i>For 316 Stainless Steel, Add</i>	117.15	
			<i>For Tee Cap, Add</i>	148.36	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	53.25	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	106.50	
23 51 16 00-0227	EA		16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	732.40	53.81
			<i>For 316 Stainless Steel, Add</i>	131.55	
			<i>For Tee Cap, Add</i>	166.65	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	59.80	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	119.59	
23 51 16 00-0228	EA		18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	853.13	61.48
			<i>For 316 Stainless Steel, Add</i>	153.89	
			<i>For Tee Cap, Add</i>	193.67	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	69.95	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	139.90	
23 51 16 00-0229	EA		20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	979.67	76.01
			<i>For 316 Stainless Steel, Add</i>	173.75	
			<i>For Tee Cap, Add</i>	224.42	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	78.98	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	157.95	
23 51 16 00-0230	EA		24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,250.62	107.62
			<i>For 316 Stainless Steel, Add</i>	215.94	
			<i>For Tee Cap, Add</i>	290.48	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	98.16	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	196.31	
23 51 16 00-0231	EA		28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,511.93	117.45
			<i>For 316 Stainless Steel, Add</i>	268.07	
			<i>For Tee Cap, Add</i>	346.40	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	121.85	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	243.70	
23 51 16 00-0232	EA		32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,992.63	129.15
			<i>For 316 Stainless Steel, Add</i>	367.35	
			<i>For Tee Cap, Add</i>	446.96	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	166.98	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	333.95	
23 51 16 00-0233	EA		36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,220.50	143.55
			<i>For 316 Stainless Steel, Add</i>	409.54	
			<i>For Tee Cap, Add</i>	497.94	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	186.16	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	372.31	
23 51 16 00-0234	EA		42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,527.92	215.26
			<i>For 316 Stainless Steel, Add</i>	657.75	
			<i>For Tee Cap, Add</i>	786.31	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	298.98	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	597.96	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 51 16 00-0235 EA 48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		4,425.33	258.30
	<i>For 316 Stainless Steel, Add</i>		831.50	
	<i>For Tee Cap, Add</i>		981.94	
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		377.95	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		755.91	
23 51 16 00-0236	Bellows <small>(23 51 16 00-0175)</small>			
	23 51 16 00-0237 EA 6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		689.97	28.65
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		61.83	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		123.65	
	23 51 16 00-0238 EA 8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		752.88	33.10
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		67.02	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		134.03	
	23 51 16 00-0239 EA 10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		823.12	35.92
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		73.33	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		146.67	
	23 51 16 00-0240 EA 12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		910.13	39.15
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		81.23	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		162.46	
	23 51 16 00-0241 EA 14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		1,016.38	41.04
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		91.39	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		182.77	
	23 51 16 00-0242 EA 16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		1,123.00	43.05
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		101.54	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		203.08	
	23 51 16 00-0243 EA 18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		1,252.77	45.34
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		113.95	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		227.90	
	23 51 16 00-0244 EA 20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		1,465.54	71.71
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		128.62	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		257.23	
	23 51 16 00-0245 EA 24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		1,803.89	80.72
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		160.21	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		320.41	
	23 51 16 00-0246 EA 28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		2,020.43	86.10
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		180.52	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		361.03	
	23 51 16 00-0247 EA 32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		2,306.60	92.29
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		207.59	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		415.18	
	23 51 16 00-0248 EA 36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		2,638.35	107.62
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		236.93	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		473.85	
	23 51 16 00-0249 EA 42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		3,339.67	117.45
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		304.62	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		609.24	
	23 51 16 00-0250 EA 48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		4,046.02	129.15
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>		372.31	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>		744.62	
23 51 16 00-0251	Ventilated Roof Thimbles <small>(23 51 16 00-0175)</small>			
	23 51 16 00-0252 EA 6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		466.37	33.10
	<i>For 316 Stainless Steel, Add</i>		38.36	
	23 51 16 00-0253 EA 8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		508.48	39.15
	<i>For 316 Stainless Steel, Add</i>		41.07	
	23 51 16 00-0254 EA 10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		556.62	43.05
	<i>For 316 Stainless Steel, Add</i>		44.90	
	23 51 16 00-0255 EA 12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		602.54	47.90
	<i>For 316 Stainless Steel, Add</i>		48.29	
	23 51 16 00-0256 EA 14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket		760.71	50.72
	<i>For 316 Stainless Steel, Add</i>		63.41	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	685.07	53.81
		<i>For 316 Stainless Steel, Add</i>	55.06	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	737.01	57.44
		<i>For 316 Stainless Steel, Add</i>	59.34	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	838.14	80.72
		<i>For 316 Stainless Steel, Add</i>	63.63	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	941.16	92.15
		<i>For 316 Stainless Steel, Add</i>	71.08	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,071.81	99.28
		<i>For 316 Stainless Steel, Add</i>	82.36	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,194.04	107.49
		<i>For 316 Stainless Steel, Add</i>	92.51	
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,338.08	129.02
		<i>For 316 Stainless Steel, Add</i>	101.54	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,701.18	143.41
		<i>For 316 Stainless Steel, Add</i>	134.26	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,095.65	161.30
		<i>For 316 Stainless Steel, Add</i>	169.23	
23 51 16 00-0266		Exit Cones <small>(23 51 16 00-0175)</small>		
23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	319.88	18.70
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	337.84	20.45
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	362.93	21.53
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	379.31	22.61
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	416.93	23.28
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	454.56	23.81
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	548.84	24.62
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	695.23	46.15
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	868.78	49.65
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,031.74	51.66
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,262.76	53.81
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,432.98	58.79
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,801.00	61.48
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,293.78	64.58
23 51 16 00-0281		Vent Top Caps <small>(23 51 16 00-0175)</small>		
23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	349.10	18.70
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	403.27	20.45
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	466.70	21.53
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	534.97	22.61
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	622.21	23.28
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	705.10	23.94
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	783.55	24.62
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	950.08	46.15
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,128.28	49.65
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,223.45	51.66
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,386.78	53.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0293 EA 36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,613.34	58.66
23 51 16 00-0294 EA 42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,958.85	61.48
23 51 16 00-0295 EA 48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,271.12	64.58
23 51 16 00-0296 Roof Support Assemblies (23 51 16 00-0175)		
23 51 16 00-0297 EA 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	530.51	34.44
<i>For 316 Stainless Steel, Add</i>	88.90	
23 51 16 00-0298 EA 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	587.65	41.04
<i>For 316 Stainless Steel, Add</i>	97.03	
23 51 16 00-0299 EA 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	645.72	45.34
<i>For 316 Stainless Steel, Add</i>	106.50	
23 51 16 00-0300 EA 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	690.64	50.58
<i>For 316 Stainless Steel, Add</i>	112.82	
23 51 16 00-0301 EA 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	768.58	53.81
<i>For 316 Stainless Steel, Add</i>	126.81	
23 51 16 00-0302 EA 16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	815.95	57.44
<i>For 316 Stainless Steel, Add</i>	134.48	
23 51 16 00-0303 EA 18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	875.95	61.62
<i>For 316 Stainless Steel, Add</i>	144.41	
23 51 16 00-0304 EA 20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	982.45	86.10
<i>For 316 Stainless Steel, Add</i>	153.44	
23 51 16 00-0305 EA 24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,105.84	99.42
<i>For 316 Stainless Steel, Add</i>	171.49	
23 51 16 00-0306 EA 28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,273.19	107.62
<i>For 316 Stainless Steel, Add</i>	200.82	
23 51 16 00-0307 EA 32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,511.96	117.45
<i>For 316 Stainless Steel, Add</i>	243.70	
23 51 16 00-0308 EA 36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,757.93	143.55
<i>For 316 Stainless Steel, Add</i>	279.80	
23 51 16 00-0309 EA 42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,592.30	161.43
<i>For 316 Stainless Steel, Add</i>	437.75	
23 51 16 00-0310 EA 48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,166.57	183.51
<i>For 316 Stainless Steel, Add</i>	541.55	
23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
Note: With 1" insulation.		
23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe (23 51 16 00-0311)		
Note: With 1" insulation.		
23 51 16 00-0313 LF 6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	99.11	14.40
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	6.32	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	12.64	
23 51 16 00-0314 LF 7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	119.69	15.34
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	8.12	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	16.25	
23 51 16 00-0315 LF 8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	136.22	16.55
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	9.48	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	18.95	
23 51 16 00-0316 LF 10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	182.37	17.90
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	13.76	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	27.53	
23 51 16 00-0317 LF 12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	234.00	19.64
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	18.50	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	37.01	
23 51 16 00-0318 LF 14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	295.08	20.58
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	24.37	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	48.74	
23 51 16 00-0319 90 Degree Elbows (23 51 16 00-0311)		
23 51 16 00-0320 EA 6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	212.79	28.65
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	14.10	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	28.21	
23 51 16 00-0321 EA 7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	234.76	30.67
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	15.80	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	31.59	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0322 EA 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	263.29 18.05 36.10	33.10
23 51 16 00-0323 EA 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	324.41 23.47 46.93	35.92
23 51 16 00-0324 EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	384.40 28.66 57.31	39.15
23 51 16 00-0325 EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	445.43 34.30 68.60	41.04
23 51 16 00-0326 45 Degree Elbows <small>(23 51 16 00-0311)</small>		
23 51 16 00-0327 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	177.54 10.58 21.15	28.65
23 51 16 00-0328 EA 7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	195.27 11.85 23.69	30.67
23 51 16 00-0329 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	218.17 13.54 27.08	33.10
23 51 16 00-0330 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	265.74 17.60 35.20	35.92
23 51 16 00-0331 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	312.73 21.49 42.99	39.15
23 51 16 00-0332 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	359.75 25.72 51.45	41.04
23 51 16 00-0333 Tees With Tee Caps <small>(23 51 16 00-0311)</small>		
23 51 16 00-0334 EA 6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	337.95 26.63 53.25	28.65
23 51 16 00-0335 EA 7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	424.31 34.75 69.50	30.67
23 51 16 00-0336 EA 8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	475.35 39.26 78.52	33.10
23 51 16 00-0337 EA 10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	642.48 55.28 110.57	35.92
23 51 16 00-0338 EA 12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	876.24 77.85 155.69	39.15
23 51 16 00-0339 EA 14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	1,117.82 101.54 203.08	41.04
23 51 16 00-0340 Joist Shields <small>(23 51 16 00-0311)</small>		
23 51 16 00-0341 EA 6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	152.94	28.65
23 51 16 00-0342 EA 7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	164.82	30.67
23 51 16 00-0343 EA 8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	191.04	33.10
23 51 16 00-0344 EA 10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	235.33	35.92
23 51 16 00-0345 EA 12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	279.45	39.15
23 51 16 00-0346 EA 14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	328.09	41.04
23 51 16 00-0347 Adjustable Roof Flashing <small>(23 51 16 00-0311)</small>		
23 51 16 00-0348 EA 6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	178.88	28.65
23 51 16 00-0349 EA 7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	198.65	30.67
23 51 16 00-0350 EA 8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	215.85	33.10
23 51 16 00-0351 EA 10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	260.12	35.92
23 51 16 00-0352 EA 12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	317.89	39.15
23 51 16 00-0353 EA 14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	377.70	40.89
23 51 16 00-0354 Vent Top Caps <small>(23 51 16 00-0311)</small>		
23 51 16 00-0355 EA 6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	161.97	28.65
23 51 16 00-0356 EA 7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	199.78	30.67
23 51 16 00-0357 EA 8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	247.45	33.10
23 51 16 00-0358 EA 10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	385.39	35.92
23 51 16 00-0359 EA 12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	519.83	39.15
23 51 16 00-0360 EA 14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	657.56	41.04



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0361	Roof Support Assemblies <small>(23 51 16 00-0311)</small>			
	23 51 16 00-0362 EA 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		232.94	28.65
	23 51 16 00-0363 EA 7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		258.44	30.67
	23 51 16 00-0364 EA 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		280.15	33.10
	23 51 16 00-0365 EA 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		349.17	35.92
	23 51 16 00-0366 EA 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		411.47	39.15
	23 51 16 00-0367 EA 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		499.61	41.04
23 51 16 00-0368	Polyvinyl Chloride (PVC) Flue/Vent Accessories <small>(23 51 16)</small>			
23 51 16 00-0369	Concentric Polyvinyl Chloride (PVC) Vent Termination <small>(23 51 16 00-0368)</small>			
	23 51 16 00-0370 EA 2" Concentric Polyvinyl Chloride (PVC) Vent Termination		251.87	54.79
	23 51 16 00-0371 EA 3" Concentric Polyvinyl Chloride (PVC) Vent Termination		272.21	54.79
23 51 16 00-0372	Polypropylene (PP) Flue/Vent Pipe And Fittings <small>(23 51 16)</small>			
	Note: Centrotherm InnoFlue® Vent System			
23 51 16 00-0373	Polypropylene Flue/Vent Rigid Pipe Sections <small>(23 51 16 00-0372)</small>			
	Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.			
	23 51 16 00-0374 EA 2" x 12" Polypropylene Flue/Vent Rigid Pipe Section		49.66	16.64
	23 51 16 00-0375 EA 2" x 24" Polypropylene Flue/Vent Rigid Pipe Section		56.10	17.51
	23 51 16 00-0376 EA 2" x 36" Polypropylene Flue/Vent Rigid Pipe Section		64.13	19.47
	23 51 16 00-0377 EA 2" x 72" Polypropylene Flue/Vent Rigid Pipe Section		79.31	22.90
	23 51 16 00-0378 EA 3" x 12" Polypropylene Flue/Vent Rigid Pipe Section		59.45	19.07
	23 51 16 00-0379 EA 3" x 24" Polypropylene Flue/Vent Rigid Pipe Section		71.01	20.09
	23 51 16 00-0380 EA 3" x 36" Polypropylene Flue/Vent Rigid Pipe Section		86.53	22.32
	23 51 16 00-0381 EA 3" x 72" Polypropylene Flue/Vent Rigid Pipe Section		106.67	26.25
	23 51 16 00-0382 EA 4" x 12" Polypropylene Flue/Vent Rigid Pipe Section		96.67	25.24
	23 51 16 00-0383 EA 4" x 24" Polypropylene Flue/Vent Rigid Pipe Section		113.33	26.56
	23 51 16 00-0384 EA 4" x 36" Polypropylene Flue/Vent Rigid Pipe Section		140.04	29.52
	23 51 16 00-0385 EA 4" x 72" Polypropylene Flue/Vent Rigid Pipe Section		180.54	34.73
	23 51 16 00-0386 EA 5" x 12" Polypropylene Flue/Vent Rigid Pipe Section		143.34	37.25
	23 51 16 00-0387 EA 5" x 24" Polypropylene Flue/Vent Rigid Pipe Section		163.04	39.20
	23 51 16 00-0388 EA 5" x 36" Polypropylene Flue/Vent Rigid Pipe Section		210.10	43.56
	23 51 16 00-0389 EA 5" x 72" Polypropylene Flue/Vent Rigid Pipe Section		271.74	51.26
23 51 16 00-0390	Polypropylene Flue/Vent Elbows <small>(23 51 16 00-0372)</small>			
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
	23 51 16 00-0391 EA 2" Polypropylene Flue/Vent 15 Degree Elbow		61.30	20.22
	23 51 16 00-0392 EA 3" Polypropylene Flue/Vent 15 Degree Elbow		71.09	21.29
	23 51 16 00-0393 EA 4" Polypropylene Flue/Vent 15 Degree Elbow		87.61	22.06
	23 51 16 00-0394 EA 5" Polypropylene Flue/Vent 15 Degree Elbow		101.04	22.97
	23 51 16 00-0395 EA 2" Polypropylene Flue/Vent 30 Degree Elbow		61.30	20.22
	23 51 16 00-0396 EA 3" Polypropylene Flue/Vent 30 Degree Elbow		71.09	21.29
	23 51 16 00-0397 EA 4" Polypropylene Flue/Vent 30 Degree Elbow		87.61	22.06
	23 51 16 00-0398 EA 5" Polypropylene Flue/Vent 30 Degree Elbow		101.04	22.97
	23 51 16 00-0399 EA 2" Polypropylene Flue/Vent 45 Degree Elbow		61.30	20.22
	23 51 16 00-0400 EA 3" Polypropylene Flue/Vent 45 Degree Elbow		71.09	21.29
	23 51 16 00-0401 EA 4" Polypropylene Flue/Vent 45 Degree Elbow		87.61	22.06
	23 51 16 00-0402 EA 5" Polypropylene Flue/Vent 45 Degree Elbow		101.04	22.97
	23 51 16 00-0403 EA 2" Polypropylene Flue/Vent 87 Degree Elbow		61.30	20.22
	23 51 16 00-0404 EA 3" Polypropylene Flue/Vent 87 Degree Elbow		71.09	21.29
	23 51 16 00-0405 EA 4" Polypropylene Flue/Vent 87 Degree Elbow		86.60	22.06
	23 51 16 00-0406 EA 5" Polypropylene Flue/Vent 87 Degree Elbow		103.54	22.97
23 51 16 00-0407	Polypropylene Flue/Vent Tees <small>(23 51 16 00-0372)</small>			
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
	23 51 16 00-0408 EA 2" Polypropylene Flue/Vent Tee		182.10	30.34
	23 51 16 00-0409 EA 3" Polypropylene Flue/Vent Tee		227.18	31.94
	23 51 16 00-0410 EA 4" Polypropylene Flue/Vent Tee		265.45	33.10
	23 51 16 00-0411 EA 5" Polypropylene Flue/Vent Tee		289.98	34.44
23 51 16 00-0412	Polypropylene Flue/Vent Adaptors <small>(23 51 16 00-0372)</small>			
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
	23 51 16 00-0413 EA 2" Polypropylene Flue/Vent Adaptor With Gasket		71.14	20.22
	23 51 16 00-0414 EA 3" Polypropylene Flue/Vent Adaptor With Gasket		99.75	21.29
	23 51 16 00-0415 EA 4" Polypropylene Flue/Vent Adaptor With Gasket		115.36	22.06
	23 51 16 00-0416 EA 5" Polypropylene Flue/Vent Adaptor With Gasket		155.29	22.97
23 51 16 00-0417	Polypropylene Flue/Vent Increases <small>(23 51 16 00-0372)</small>			
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
	23 51 16 00-0418 EA 2" to 3" Polypropylene Flue/Vent Centric Increaser		78.36	20.75
	23 51 16 00-0419 EA 3" to 4" Polypropylene Flue/Vent Centric Increaser		85.52	21.67
	23 51 16 00-0420 EA 4" to 5" Polypropylene Flue/Vent Centric Increaser		149.13	22.50
	23 51 16 00-0421 EA 2" to 3" Polypropylene Flue/Vent Eccentric Increaser		103.62	20.75

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0422 EA 3" to 4" Polypropylene Flue/Vent Eccentric Increaser	83.46	21.67
23 51 16 00-0423 EA 4" to 5" Polypropylene Flue/Vent Eccentric Increaser	203.07	22.50
23 51 16 00-0424 Polypropylene Flue/Vent Reducers <small>(23 51 16 00-0372)</small>		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425 EA 3" to 2" Polypropylene Flue/Vent Reducer	78.36	20.75
23 51 16 00-0426 EA 4" to 3" Polypropylene Flue/Vent Reducer	85.52	21.67
23 51 16 00-0427 EA 5" to 4" Polypropylene Flue/Vent Reducer	182.76	22.50
23 51 16 00-0428 Polypropylene Flue/Vent Test Ports <small>(23 51 16 00-0372)</small>		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429 EA 2" Polypropylene Flue/Vent Test Port	100.53	30.34
23 51 16 00-0430 EA 3" Polypropylene Flue/Vent Test Port	112.17	31.94
23 51 16 00-0431 EA 4" Polypropylene Flue/Vent Test Port	167.20	33.10
23 51 16 00-0432 EA 5" Polypropylene Flue/Vent Test Port	178.27	34.44
23 51 16 00-0433 Polypropylene Flue/Vent Cascade Components <small>(23 51 16 00-0372)</small>		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434 EA 4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	269.98	33.10
23 51 16 00-0435 EA 4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	353.02	41.37
23 51 16 00-0436 EA 5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	224.13	34.44
23 51 16 00-0437 EA 5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	329.73	43.05
23 51 16 00-0438 EA 3" to 4" Polypropylene Flue/Vent Non-Return Valve	338.75	21.67
23 51 16 00-0439 EA 4" to 4" Polypropylene Flue/Vent Non-Return Valve	391.44	22.50
23 51 16 00-0440 Polypropylene Flue/Vent Condensate Management <small>(23 51 16 00-0372)</small>		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441 EA 2" Polypropylene Flue/Vent Horizontal Drain Tee	134.63	30.34
23 51 16 00-0442 EA 3" Polypropylene Flue/Vent Horizontal Drain Tee	161.35	31.94
23 51 16 00-0443 EA 4" Polypropylene Flue/Vent Horizontal Drain Tee	183.82	33.10
23 51 16 00-0444 EA 5" Polypropylene Flue/Vent Horizontal Drain Tee	208.79	34.44
23 51 16 00-0445 EA 4" Polypropylene Flue/Vent Horizontal Drain Fittings	229.95	33.10
23 51 16 00-0446 EA 5" Polypropylene Flue/Vent Horizontal Drain Fittings	252.94	34.44
23 51 16 00-0447 EA 2" Polypropylene Flue/Vent Tee Cap	75.48	10.12
23 51 16 00-0448 EA 3" Polypropylene Flue/Vent Tee Cap	96.22	10.64
23 51 16 00-0449 EA 4" Polypropylene Flue/Vent Tee Cap	113.89	11.04
23 51 16 00-0450 EA 5" Polypropylene Flue/Vent Tee Cap	147.91	11.48
23 51 16 00-0451 EA 2" Polypropylene Flue/Vent Tee Cap With Drain	149.39	30.34
23 51 16 00-0452 EA 3" Polypropylene Flue/Vent Tee Cap With Drain	181.82	31.94
23 51 16 00-0453 EA 4" Polypropylene Flue/Vent Tee Cap With Drain	209.20	33.10
23 51 16 00-0454 EA 5" Polypropylene Flue/Vent Tee Cap With Drain	250.51	34.44
23 51 16 00-0455 Polypropylene Flue/Vent Terminations <small>(23 51 16 00-0372)</small>		
23 51 16 00-0456 EA 2" Polypropylene-UV Black Flue/Vent Chimney Cover	188.67	20.22
23 51 16 00-0457 EA 3" Polypropylene-UV Black Flue/Vent Chimney Cover	167.42	21.29
23 51 16 00-0458 EA 4" Polypropylene-UV Black Flue/Vent Chimney Cover	208.20	22.06
23 51 16 00-0459 EA 3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	418.45	21.29
23 51 16 00-0460 EA 4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	446.62	22.06
23 51 16 00-0461 EA 5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	520.56	22.97
23 51 16 00-0462 EA 2" 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	113.80	20.22
23 51 16 00-0463 EA 2" 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	120.12	20.22
23 51 16 00-0464 EA 2" 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	126.44	20.22
23 51 16 00-0465 EA 2" 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	132.77	20.22
23 51 16 00-0466 EA 3" 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	122.78	21.29
23 51 16 00-0467 EA 3" 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	129.10	21.29
23 51 16 00-0468 EA 3" 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	135.43	21.29
23 51 16 00-0469 EA 3" 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	141.75	21.29
23 51 16 00-0470 EA 4" 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	137.37	22.06
23 51 16 00-0471 EA 4" 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	143.69	22.06
23 51 16 00-0472 EA 4" 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	150.01	22.06
23 51 16 00-0473 EA 2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	120.06	20.22
23 51 16 00-0474 EA 3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	152.50	21.29
23 51 16 00-0475 EA 2" Polypropylene-UV Black Flue/Vent Termination Tee	141.48	30.34
23 51 16 00-0476 EA 3" Polypropylene-UV Black Flue/Vent Termination Tee	184.04	31.94
23 51 16 00-0477 EA 4" Polypropylene-UV Black Flue/Vent Termination Tee	216.27	33.10
23 51 16 00-0478 EA 5" Polypropylene-UV Black Flue/Vent Termination Tee	237.71	34.44
23 51 16 00-0479 EA 2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	52.25	17.51
23 51 16 00-0480 EA 2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	62.10	19.47
23 51 16 00-0481 EA 3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	62.59	20.09
23 51 16 00-0482 EA 3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	77.42	22.32
23 51 16 00-0483 EA 4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	93.44	26.56
23 51 16 00-0484 EA 5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	129.66	39.20
23 51 16 00-0485 EA 5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	156.05	43.56
23 51 16 00-0486 EA 2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	57.32	17.51
23 51 16 00-0487 EA 3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	73.10	20.09
23 51 16 00-0488 EA 4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	118.02	26.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0489 EA 2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	63.31	20.22
23 51 16 00-0490 EA 3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	73.62	21.29
23 51 16 00-0491 EA 4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	90.85	22.06
23 51 16 00-0492 EA 2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	62.36	20.22
23 51 16 00-0493 EA 3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	72.99	21.29
23 51 16 00-0494 EA 4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	89.74	22.06
23 51 16 00-0495 EA 2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	39.86	10.12
23 51 16 00-0496 EA 3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	46.15	10.64
23 51 16 00-0497 EA 4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	51.47	11.04
23 51 16 00-0498 EA 3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	97.96	10.64
23 51 16 00-0499 EA 5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	112.38	11.48
23 51 16 00-0500 Polypropylene Flue/Vent Accessories (23 51 16 00-0372)		
23 51 16 00-0501 EA 2" Spacer For Polypropylene Flue/Vent	20.29	5.06
23 51 16 00-0502 EA 3" Spacer For Polypropylene Flue/Vent	19.46	5.33
23 51 16 00-0503 EA 4" Spacer For Polypropylene Flue/Vent	20.05	5.51
23 51 16 00-0504 EA 5" Spacer For Polypropylene Flue/Vent	30.90	5.74
23 51 16 00-0505 EA 2" Flue Clamp For Polypropylene Flue/Vent	37.81	7.59
23 51 16 00-0506 EA 3" Flue Clamp For Polypropylene Flue/Vent	44.20	7.98
23 51 16 00-0507 EA 4" Flue Clamp For Polypropylene Flue/Vent	51.03	8.27
23 51 16 00-0508 EA 2" Support Clamp For Polypropylene Flue/Vent	36.05	7.59
23 51 16 00-0509 EA 4" Support Clamp For Polypropylene Flue/Vent	36.14	8.27
23 51 16 00-0510 EA 5" Support Clamp For Polypropylene Flue/Vent	43.69	8.61
23 51 16 00-0511 EA 3" Plastic Support Clamp For Polypropylene Flue/Vent	28.06	7.98
23 51 16 00-0512 EA 2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	56.93	20.22
23 51 16 00-0513 EA 3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	62.52	21.29
23 51 16 00-0514 EA 4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	67.11	22.06
23 51 16 00-0515 EA 5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	74.54	22.97
23 51 16 00-0516 EA 2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.06	
23 51 16 00-0517 EA 3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.54	
23 51 16 00-0518 EA 4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	6.15	
23 51 16 00-0519 EA 5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	10.16	
23 51 16 00-0520 EA 2" Connector Ring For Polypropylene Flue/Vent	17.00	5.06
23 51 16 00-0521 EA 3" Connector Ring For Polypropylene Flue/Vent	19.15	5.33
23 51 16 00-0522 EA 4" Connector Ring For Polypropylene Flue/Vent	20.57	5.51
23 51 16 00-0523 EA 5" Connector Ring For Polypropylene Flue/Vent	22.66	5.74
23 51 16 00-0524 EA 2 1/4" Polypropylene Flue/Vent Air Intake, White	81.81	10.12
23 51 16 00-0525 EA 3 1/5" Polypropylene Flue/Vent Air Intake, White	83.94	10.64
23 51 16 00-0526 EA 4 1/6" Polypropylene Flue/Vent Air Intake, White	63.08	11.04
23 51 16 00-0527 EA 2" Base Support For Polypropylene Flue/Vent	70.84	7.59
23 51 16 00-0528 EA 3" Base Support For Polypropylene Flue/Vent	73.11	7.98
23 51 16 00-0529 EA 4" Base Support For Polypropylene Flue/Vent	97.58	8.27
23 51 16 00-0530 EA 5" Base Support For Polypropylene Flue/Vent	164.13	8.61
23 51 16 00-0531 Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0372)		
23 51 16 00-0532 LF 2", Up To 50', Polypropylene Flue/Vent Flex Pipe	12.88	1.78
23 51 16 00-0533 LF 2", > 50', Polypropylene Flue/Vent Flex Pipe	11.19	1.78
23 51 16 00-0534 LF 3", Up To 50', Polypropylene Flue/Vent Flex Pipe	15.81	2.10
23 51 16 00-0535 LF 3", > 50', Polypropylene Flue/Vent Flex Pipe	13.70	2.10
23 51 16 00-0536 LF 4", Up To 50', Polypropylene Flue/Vent Flex Pipe	22.70	2.59
23 51 16 00-0537 LF 4", > 50', Polypropylene Flue/Vent Flex Pipe	19.45	2.59
23 51 16 00-0538 Polypropylene Flue/Vent Couplers (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0539 EA 2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	92.46	20.22
23 51 16 00-0540 EA 2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	103.02	20.22
23 51 16 00-0541 EA 3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	205.30	21.29
23 51 16 00-0542 EA 4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	371.34	22.06
23 51 16 00-0543 EA 2" Polypropylene Flue/Vent Coupler, Flex to Flex	106.13	20.22
23 51 16 00-0544 EA 3" Polypropylene Flue/Vent Coupler, Flex to Flex	243.87	21.29
23 51 16 00-0545 EA 4" Polypropylene Flue/Vent Coupler, Flex to Flex	624.28	22.06
23 51 16 00-0546 Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0372)		
23 51 16 00-0547 EA 2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	120.14	20.22
23 51 16 00-0548 EA 3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	111.57	21.29
23 51 16 00-0549 EA 4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	137.02	22.06
23 51 16 00-0550 Aluminum Flue/Vent Fittings (23 51 16)		
23 51 16 00-0551 Aluminum Vent Top Caps (23 51 16 00-0550)		
23 51 16 00-0552 EA 3" Aluminum Vent Cap (Star-Kap® 3-SK)	114.65	20.05
23 51 16 00-0553 EA 4" Aluminum Vent Cap (Star-Kap® 4-SK)	121.88	19.64
23 51 16 00-0554 EA 5" Aluminum Vent Cap (Star-Kap® 5-SK)	132.06	20.58
23 51 16 00-0555 EA 6" Aluminum Vent Cap (Star-Kap® 6-SK)	182.96	21.53
23 51 16 00-0556 EA 8" Aluminum Vent Cap (Star-Kap® 8-SK)	204.60	23.94
23 51 16 00-0557 EA 10" Aluminum Vent Cap (Star-Kap® 10-SK)	576.58	25.29

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

Table row: 23 51 16 00-0558 EA 12" Aluminum Vent Cap (Star-Kap® 12-SK).....591.09 26.91

23 52 Heating Boilers (23 50)

23 52 13 Electric Boilers (23 52)

23 52 13 00-0001 Packaged Electric Steam Boiler (23 52 13)

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.

Table listing various electric steam boiler specifications and costs, including items like 23 52 13 00-0002 EA 12 KW, 42 MBH Electric Steam Boiler...

23 52 13 00-0036 Packaged Electric Hot Water Boiler (23 52 13)

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH output.

Table listing various electric hot water boiler specifications and costs, including items like 23 52 13 00-0037 EA 9 KW, 31 MBH, Electric Hot Boiler...



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-070	EA		1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	53,877.70	3,749.94
23 52 13 00-071	EA		1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	59,037.77	3,947.30
23 52 13 00-072	EA		1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	61,236.75	4,078.89
23 52 13 00-073	EA		1,350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	63,720.62	4,342.03
23 52 13 00-074	EA		1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	66,204.48	4,605.19
23 52 13 00-075	EA		1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	73,184.33	4,868.35
23 52 13 00-076	EA		1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	77,734.88	5,131.49
23 52 13 00-077	EA		1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	79,669.99	5,263.08
23 52 13 00-078	EA		1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	81,605.10	5,394.65
23 52 13 00-079	EA		1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	82,131.40	5,592.02
23 52 13 00-080	EA		2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	88,093.97	5,723.59
23 52 13 00-081	EA		2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	92,085.75	5,920.95
23 52 13 00-082	EA		2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	98,899.12	6,315.69
23 52 13 00-083	EA		2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	106,795.22	6,973.57
23 52 13 00-084	EA		3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	115,978.20	7,763.03
23 52 13 00-085	EA		3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	122,781.57	8,552.49

23 52 16 Condensing Boilers (23 52)

23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16)

23 52 16 13-0001

Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).

23 52 16 13-0002	EA		75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	13,014.96	542.19
23 52 16 13-0003	EA		127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	13,839.70	722.19
23 52 16 13-0004	EA		168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	14,781.46	813.14
23 52 16 13-0005	EA		187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	15,667.25	858.41
23 52 16 13-0006	EA		281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	20,606.19	993.96
23 52 16 13-0007	EA		374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	23,816.54	1,084.23
23 52 16 13-0008	EA		589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	32,669.00	1,264.91
23 52 16 13-0009	EA		785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798)	44,415.31	1,445.73
Note: Includes vent manifold.					
23 52 16 13-0010	EA		980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998)	54,217.84	1,581.27
Note: Includes vent manifold.					
23 52 16 13-0011	EA		1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	78,051.51	1,852.23
23 52 16 13-0012	EA		1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	85,984.93	1,987.78

23 52 16 13-0013

Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes Riello burners. Capacity given is IBR rating.

23 52 16 13-0014	EA		484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	38,893.49	1,174.64
23 52 16 13-0015	EA		612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	40,845.32	1,264.91
23 52 16 13-0016	EA		791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	45,410.72	1,445.73
23 52 16 13-0017	EA		1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	49,314.38	1,626.41
23 52 16 13-0018	EA		1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	54,949.97	1,761.95
23 52 16 13-0019	EA		1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	62,685.03	1,852.23
23 52 16 13-0020	EA		2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	74,529.66	1,987.78

23 52 16 13-0021

Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes Riello burners.

23 52 16 13-0022	EA		2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	80,555.07	2,168.46
23 52 16 13-0023	EA		3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	93,167.64	2,258.87
23 52 16 13-0024	EA		4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	107,865.71	2,349.28

23 52 16 13-0025

Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13)

Note: Compliant with SCAQMD. Rated by gross rated input.

23 52 16 13-0026	EA		80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	7,544.05	587.31
23 52 16 13-0027	EA		105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	8,618.57	677.72
23 52 16 13-0028	EA		150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	9,707.69	813.14
23 52 16 13-0029	EA		210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	10,809.37	903.55
23 52 16 13-0030	EA		285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	13,463.70	993.96
23 52 16 13-0031	EA		399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	17,386.99	1,084.23
23 52 16 13-0032	EA		500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	20,767.55	1,174.64
23 52 16 13-0033	EA		600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	23,017.38	1,264.91
23 52 16 13-0034	EA		750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	24,984.54	1,355.32
23 52 16 13-0035	EA		850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	27,222.79	1,536.00
23 52 16 13-0036	EA		1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	38,210.17	1,626.41
23 52 16 13-0037	EA		1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	50,546.64	1,897.50
23 52 16 13-0038	EA		150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)	16,991.26	813.14
23 52 16 13-0039	EA		199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)	19,526.91	1,084.36
23 52 16 13-0040	EA		285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)	25,456.88	1,219.91
23 52 16 13-0041	EA		399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)	31,946.60	1,491.01
23 52 16 13-0042	EA		500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)	37,674.79	1,626.55
23 52 16 13-0043	EA		600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)	42,563.44	1,762.09
23 52 16 13-0044	EA		750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)	50,981.31	1,897.64
23 52 16 13-0045	EA		850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)	56,464.62	2,033.18
23 52 16 13-0046	EA		1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)	73,998.25	2,168.73
23 52 16 13-0047	EA		1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)	99,437.20	2,846.45

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0048 AERCO Benchmark Stainless-Steel Condensing Boilers <small>(23 52 16 13)</small>		
23 52 16 13-0049 EA 1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) Note: Includes gas PRV and pump delay relay.	64,413.24	1,852.23
23 52 16 13-0050 EA 2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) Note: Includes gas PRV and pump delay relay.	76,491.91	1,987.78
23 52 16 13-0051 EA 3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)..... Note: Includes gas PRV and pump delay relay.	110,148.29	2,213.73
23 52 16 13-0052 EA 3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)..... Note: Includes gas PRV and pump delay relay.	117,397.55	2,213.73
23 52 16 13-0053 Lochinvar Knight Stainless Steel Condensing Boilers <small>(23 52 16 13)</small>		
Note: Rated by gross rated output.		
23 52 16 13-0054 EA 184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211).....	10,457.00	813.14
23 52 16 13-0055 EA 264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N).....	13,384.35	903.55
23 52 16 13-0056 Lochinvar Knight XL Stainless Steel Condensing Boilers <small>(23 52 16 13)</small>		
Note: Rated by gross rated output.		
23 52 16 13-0057 EA 387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX400N).....	15,212.92	1,039.09
23 52 16 13-0058 EA 485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N).....	18,758.11	1,084.23
23 52 16 13-0059 EA 631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N).....	22,867.36	1,174.64
23 52 16 13-0060 EA 776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N).....	27,236.19	1,219.78
23 52 16 13-0061 EA 969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N).....	33,126.92	1,310.19
23 52 16 13-0062 Lochinvar Crest Stainless Steel Condensing Boilers <small>(23 52 16 13)</small>		
Note: Rated by gross rated output.		
23 52 16 13-0063 EA 1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251).....	41,864.84	1,535.73
23 52 16 13-0064 EA 1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501).....	43,382.58	1,761.95
23 52 16 13-0065 EA 1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751).....	47,503.82	1,874.60
23 52 16 13-0066 EA 1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001).....	51,625.06	1,987.78
23 52 16 13-0067 EA 2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501).....	60,323.80	2,078.19
23 52 16 13-0068 EA 2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001).....	66,704.27	2,168.46
23 52 16 13-0069 EA 3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501).....	81,567.21	2,258.87
23 52 16 13-0070 EA 3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001).....	89,983.06	2,349.14
23 52 16 13-0071 EA 4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001).....	109,974.14	2,439.42
23 52 16 13-0072 Patterson Kelley Stainless Steel Condensing Boilers <small>(23 52 16 13)</small>		
23 52 16 13-0073 Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series <small>(23 52 16 13-0072)</small>		
23 52 16 13-0074 EA 1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL- 1500).....	49,257.36	1,852.23
23 52 16 13-0075 EA 3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL- 3000).....	75,441.74	2,213.73
23 52 16 13-0076 Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series <small>(23 52 16 13-0072)</small>		
23 52 16 13-0077 EA 650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC- 650 SCD-650).....	25,830.82	1,310.19
23 52 16 13-0078 EA 1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000).....	31,079.65	1,626.41
23 52 16 13-0079 EA 2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000).....	52,364.01	1,987.78
23 52 16 13-0080 EA 4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000).....	89,448.38	2,349.28
23 52 16 13-0081 Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series <small>(23 52 16 13-0072)</small>		
23 52 16 13-0082 EA 1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250).....	37,750.73	1,716.68
23 52 16 13-0083 EA 2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000).....	61,764.01	1,987.78
23 52 16 13-0084 EA 4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000).....	91,448.37	2,349.28
23 52 16 16 Aluminum Condensing Boilers <small>(23 52 16)</small>		
23 52 16 16-0001 Weil McLain Aluminum Condensing Boilers <small>(23 52 16 16)</small>		
23 52 16 16-0002 EA 80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)..... Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	9,088.52	587.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0003 EA 105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	10,026.66	677.72
23 52 16 16-0004 EA 155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	11,322.70	813.14
23 52 16 16-0005 EA 230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	12,705.55	903.55
23 52 16 16-0006 EA 310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	16,447.43	1,039.09
23 52 16 16-0007 Patterson Kelley Mach Series Aluminum Condensing Boilers (23 52 16 16) Note: Rated by gross rated output.		
23 52 16 16-0008 EA 300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300).....	16,901.66	993.96
23 52 16 16-0009 EA 450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450).....	18,980.16	1,129.50
23 52 16 16-0010 EA 750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750).....	21,625.19	1,355.32
23 52 16 16-0011 EA 900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900).....	31,566.10	1,536.00
23 52 16 16-0012 EA 1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050).....	32,996.67	1,626.41
23 52 16 16-0013 EA 1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500).....	50,521.94	1,852.23
23 52 16 16-0014 EA 2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000).....	54,690.75	1,987.78
23 52 16 16-0015 EA 2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500).....	77,393.04	2,168.46
23 52 16 16-0016 EA 3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000).....	89,655.86	2,213.73
23 52 16 16-0017 EA 4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000).....	101,911.82	2,349.28
23 52 16 16-0018 Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16) Note: Includes standard controls.		
23 52 16 16-0019 EA 75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24)..... Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,246.93	542.19
23 52 16 16-0020 EA 95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30)..... Note: Includes an aluminum heat exchanger and three speed circulating pump.	8,417.40	632.45
23 52 16 16-0021 EA 143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45)..... Note: Includes an aluminum heat exchanger and three speed circulating pump.	9,720.44	768.00
23 52 16 16-0022 EA 193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60)..... Note: Includes an aluminum heat exchanger and three speed circulating pump.	10,647.39	858.41
23 52 16 16-0023 EA Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46).....	395.09	135.55
23 52 16 16-0024 EA Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3).....	498.18	135.55
23 52 16 16-0025 EA Optional GB Floor Stand For GB142 (Buderus 7098265).....	994.18	135.55
23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16) Note: Includes standard controls.		
23 52 16 16-0027 EA 290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80)..... Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	12,045.24	993.96
23 52 16 16-0028 EA 333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100)..... Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	14,785.17	1,039.09
23 52 16 16-0029 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	28,235.87	1,219.78
23 52 16 16-0030 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	26,418.93	1,219.78
23 52 16 16-0031 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	33,715.72	1,310.19
23 52 16 16-0032 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	31,898.78	1,310.19
23 52 16 16-0033 EA 870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	39,203.89	1,536.00
23 52 16 16-0034 EA 999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	47,288.12	1,626.41
23 52 16 16-0035 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	48,623.93	1,716.68

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0036 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4).....	49,351.63	1,716.68
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0037 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4).....	59,177.00	1,761.95
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0038 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4).....	59,904.69	1,761.95
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0039 EA EMS Control Module For Condensing Boiler (Buderus RC35).....	800.43	135.55
23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls.		
23 52 16 16-0041 EA 305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90).....	17,074.04	993.96
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0042 EA 409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120).....	19,878.38	1,084.23
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0043 EA 544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160).....	24,836.47	1,197.14
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0044 EA 676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200).....	28,521.86	1,310.19
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0045 EA 810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240).....	34,067.82	1,445.73
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0046 EA 944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280).....	37,611.84	1,581.27
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0047 EA Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	527.72	67.77
23 52 16 16-0048 EA Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	299.89	67.77
23 52 16 16-0049 EA Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	414.93	67.77
23 52 16 16-0050 EA Optional Condensate Neutralization Tank For GB312 (Buderus 63035899).....	842.21	67.77
23 52 16 19 Copper Water-Tube Condensing Boilers (23 52 16)		
23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers (23 52 16 19)		
23 52 16 19-0002 EA 1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	47,351.02	1,716.68
23 52 16 19-0003 EA 1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	53,370.62	1,897.50
23 52 16 19-0004 EA 2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	58,359.14	1,987.78
23 52 16 19-0005 EA 2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	62,944.93	2,078.19
23 52 16 23 Cast Iron Condensing Boilers (23 52 16)		
23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers (23 52 16 23)		
Note: Rated by gross rated output.		
23 52 16 23-0002 EA 199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	16,792.61	858.41
23 52 16 23-0003 EA 399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	24,495.33	1,084.23
23 52 16 23-0004 EA 600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	40,014.75	1,264.91
23 52 16 23-0005 EA 1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	52,507.01	1,626.41
23 52 16 23-0006 EA 1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	85,955.79	1,897.50
23 52 16 23-0007 EA 1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	76,165.21	1,987.78
23 52 16 23-0008 EA 2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	119,394.19	2,168.46
23 52 16 23-0009 EA 3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	130,522.59	2,213.73
23 52 23 Cast-Iron Boilers (23 52)		
23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler (23 52 23)		
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003 EA 209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380).....	16,461.94	3,284.85
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0004 EA 297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480).....	17,970.67	3,503.84
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0005 EA 386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580).....	19,619.53	3,722.83
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0006 EA 476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680).....	21,154.71	3,941.82
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0007 EA 565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780).....	22,574.49	4,160.81
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0008 EA 654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880).....	24,508.41	4,379.80
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0009 EA 743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980).....	26,008.99	4,598.78
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0010 EA 833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080).....	27,205.69	4,817.77
Note: Includes field assembly of individual sections and testing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0011 EA 922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180).....	28,398.08	5,036.77
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0012 EA 1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280).....	29,770.91	5,255.76
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>		
23 52 23 00-0014 EA 209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380).....	11,715.35	526.30
Note: Fire tested factory assembled package unit.		
23 52 23 00-0015 EA 297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480).....	12,979.71	526.30
Note: Fire tested factory assembled package unit.		
23 52 23 00-0016 EA 386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580).....	14,912.89	657.89
Note: Fire tested factory assembled package unit.		
23 52 23 00-0017 EA 476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680).....	16,202.08	657.89
Note: Fire tested factory assembled package unit.		
23 52 23 00-0018 EA 565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780).....	17,906.44	789.46
Note: Fire tested factory assembled package unit.		
23 52 23 00-0019 EA 654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880).....	19,611.42	789.46
Note: Fire tested factory assembled package unit.		
23 52 23 00-0020 EA 743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980).....	21,394.25	921.03
Note: Fire tested factory assembled package unit.		
23 52 23 00-0021 EA 833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080).....	22,873.72	1,052.62
Note: Fire tested factory assembled package unit.		
23 52 23 00-0022 EA 922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180).....	23,824.27	1,052.62
Note: Fire tested factory assembled package unit.		
23 52 23 00-0023 EA 1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280).....	25,477.63	1,184.19
Note: Fire tested factory assembled package unit.		
23 52 23 00-0024 Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025 EA 209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380).....	17,200.68	3,284.85
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0026 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler.....	18,841.46	3,503.84
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0027 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler.....	20,410.57	3,722.83
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0028 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler.....	22,160.18	3,941.82
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0029 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler.....	23,607.41	4,160.81
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0030 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler.....	25,708.69	4,379.80
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0031 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler.....	27,039.29	4,598.78
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0032 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler.....	28,334.07	4,817.77
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0033 EA 922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler.....	29,527.76	5,036.77
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0034 EA 1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler.....	30,935.89	5,255.76
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0035 Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>		
23 52 23 00-0036 EA 209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380).....	12,454.09	526.30
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0037 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480).....	13,850.50	526.30
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0038 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580).....	15,703.92	657.89
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0039 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680).....	17,207.55	657.89
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0040 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780).....	18,939.36	789.46
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0041 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880).....	20,811.70	789.46
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0042 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980).....	22,424.56	921.03
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0043 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080).....	24,002.09	1,052.62
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0044 EA 922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180).....	24,953.95	1,052.62
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0045 EA 1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280).....	26,642.62	1,184.19
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0046 Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23)</small>		
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047 Gas Fired Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048 EA 629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488).....	26,605.85	4,927.27
Note: Includes field assembly of individual sections and testing.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0049 EA 845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588)..... Note: Includes field assembly of individual sections and testing.	29,338.01	5,228.38
23 52 23 00-0050 EA 1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688)..... Note: Includes field assembly of individual sections and testing.	32,710.92	5,529.49
23 52 23 00-0051 EA 1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788)..... Note: Includes field assembly of individual sections and testing.	35,687.19	5,830.61
23 52 23 00-0052 EA 1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888)..... Note: Includes field assembly of individual sections and testing.	38,279.91	6,131.72
23 52 23 00-0053 EA 1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988)..... Note: Includes field assembly of individual sections and testing.	42,020.43	6,432.83
23 52 23 00-0054 EA 1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088)..... Note: Includes field assembly of individual sections and testing.	44,637.14	6,733.94
23 52 23 00-0055 EA 2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188)..... Note: Includes field assembly of individual sections and testing.	46,956.44	7,035.05
23 52 23 00-0056 EA 2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288)..... Note: Includes field assembly of individual sections and testing.	50,040.23	7,336.16
23 52 23 00-0057 EA 2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388)..... Note: Includes field assembly of individual sections and testing.	52,527.91	7,637.27
23 52 23 00-0058 EA 2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488)..... Note: Includes field assembly of individual sections and testing.	56,687.98	7,938.38
23 52 23 00-0059 EA 3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588)..... Note: Includes field assembly of individual sections and testing.	59,056.82	8,239.49
23 52 23 00-0060 EA 3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688)..... Note: Includes field assembly of individual sections and testing.	61,567.02	8,540.60
23 52 23 00-0061 EA 3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788)..... Note: Includes field assembly of individual sections and testing.	64,359.82	8,841.71
23 52 23 00-0062 EA 3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888)..... Note: Includes field assembly of individual sections and testing.	66,639.04	9,142.82
23 52 23 00-0063 Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
23 52 23 00-0064 EA 629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488)..... Note: Fire tested factory assembled package unit.	21,412.55	921.03
23 52 23 00-0065 EA 845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588)..... Note: Fire tested factory assembled package unit.	24,292.35	1,052.62
23 52 23 00-0066 EA 1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688)..... Note: Fire tested factory assembled package unit.	27,828.52	1,184.19
23 52 23 00-0067 EA 1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788)..... Note: Fire tested factory assembled package unit.	30,939.76	1,315.76
23 52 23 00-0068 EA 1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888)..... Note: Fire tested factory assembled package unit.	33,152.06	1,315.76
23 52 23 00-0069 EA 1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988)..... Note: Fire tested factory assembled package unit.	37,043.85	1,447.35
23 52 23 00-0070 EA 1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088)..... Note: Fire tested factory assembled package unit.	39,283.60	1,447.35
23 52 23 00-0071 EA 2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188)..... Note: Fire tested factory assembled package unit.	41,750.25	1,578.92
23 52 23 00-0072 EA 2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288)..... Note: Fire tested factory assembled package unit.	44,458.08	1,578.92
23 52 23 00-0073 EA 2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388)..... Note: Fire tested factory assembled package unit.	47,093.42	1,710.49
23 52 23 00-0074 EA 2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488)..... Note: Fire tested factory assembled package unit.	49,648.94	1,842.08
23 52 23 00-0075 EA 3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588)..... Note: Fire tested factory assembled package unit.	51,641.57	1,842.08
23 52 23 00-0076 EA 3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688)..... Note: Fire tested factory assembled package unit.	54,300.41	1,973.65
23 52 23 00-0077 EA 3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788)..... Note: Fire tested factory assembled package unit.	56,715.36	1,973.65
23 52 23 00-0078 EA 3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888)..... Note: Fire tested factory assembled package unit.	59,170.16	2,105.23
23 52 23 00-0079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488)..... Note: Includes field assembly of individual sections and testing.	27,515.87	4,927.27
23 52 23 00-0081 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588)..... Note: Includes field assembly of individual sections and testing.	30,242.80	5,228.38
23 52 23 00-0082 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688)..... Note: Includes field assembly of individual sections and testing.	33,851.06	5,529.49
23 52 23 00-0083 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788)..... Note: Includes field assembly of individual sections and testing.	36,942.39	5,830.61
23 52 23 00-0084 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888)..... Note: Includes field assembly of individual sections and testing.	39,406.97	6,131.72
23 52 23 00-0085 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988)..... Note: Includes field assembly of individual sections and testing.	43,076.89	6,432.83
23 52 23 00-0086 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088)..... Note: Includes field assembly of individual sections and testing.	46,223.14	6,733.94
23 52 23 00-0087 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188)..... Note: Includes field assembly of individual sections and testing.	48,542.44	7,035.05
23 52 23 00-0088 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288)..... Note: Includes field assembly of individual sections and testing.	51,594.84	7,336.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0089 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388).....	54,750.66	7,637.27
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0090 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488).....	59,023.17	7,938.38
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0091 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588).....	62,177.82	8,239.49
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0092 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688).....	63,900.91	8,540.60
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0093 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788).....	66,623.11	8,841.71
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0094 EA 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888).....	68,927.16	9,142.82
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small>		
23 52 23 00-0096 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488).....	22,322.57	921.03
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0097 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588).....	25,197.14	1,052.62
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0098 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688).....	28,955.58	1,184.19
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0099 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788).....	32,194.96	1,315.76
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0100 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888).....	34,281.74	1,315.76
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0101 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988).....	38,100.31	1,447.35
Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.		
23 52 23 00-0102 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088).....	40,869.59	1,447.35
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0103 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188).....	43,336.25	1,578.92
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0104 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288).....	46,012.70	1,578.92
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0105 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388).....	49,322.71	1,710.49
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0106 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488).....	51,984.13	1,842.08
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0107 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588).....	53,455.07	1,842.08
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0108 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688).....	56,634.30	1,973.65
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0109 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788).....	58,978.64	1,973.65
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0110 EA 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888).....	61,432.14	2,105.23
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0111 Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23)</small>		
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112 Gas Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894).....	71,882.93	9,580.81
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0114 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994).....	77,895.59	10,128.28
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0115 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094).....	83,391.32	10,675.76
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0116 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194).....	88,773.20	11,223.23
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0117 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294).....	94,204.91	11,770.71
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0118 EA 2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394).....	101,214.65	12,318.19
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0119 EA 2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494).....	106,335.41	12,865.65
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0120 EA 3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594).....	111,291.96	13,413.13
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0121 EA 3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694).....	119,327.45	13,960.61
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0122 EA 3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794).....	124,281.17	14,508.09
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0123 EA 3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894).....	128,537.73	15,055.55
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0124 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994).....	136,294.90	15,603.03
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0125 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094).....	141,289.30	16,150.51
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0126 EA 4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194).....	149,223.91	16,697.98
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0127 EA 4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294).....	154,478.79	17,245.46
Note: Includes field assembly of individual sections and testing.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0128 EA 4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	160,224.12	17,792.93
23 52 23 00-0129 EA 5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	165,165.88	18,340.40
23 52 23 00-0130 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	170,248.23	18,887.88
23 52 23 00-0131 Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0132 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	64,783.89	1,710.49
23 52 23 00-0133 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	70,640.85	1,842.08
23 52 23 00-0134 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	75,977.45	1,973.65
23 52 23 00-0135 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	81,204.16	2,105.23
23 52 23 00-0136 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	85,950.38	2,105.23
23 52 23 00-0137 EA 2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	91,054.37	2,236.81
23 52 23 00-0138 EA 2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	95,490.71	2,236.81
23 52 23 00-0139 EA 3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	100,289.88	2,368.38
23 52 23 00-0140 EA 3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	107,641.95	2,368.38
23 52 23 00-0141 EA 3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	112,439.78	2,499.96
23 52 23 00-0142 EA 3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	116,011.87	2,499.96
23 52 23 00-0143 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	123,614.44	2,631.54
23 52 23 00-0144 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	127,923.96	2,631.54
23 52 23 00-0145 EA 4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	135,725.29	2,763.11
23 52 23 00-0146 EA 4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	140,271.47	2,763.11
23 52 23 00-0147 EA 4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	145,857.79	2,894.70
23 52 23 00-0148 EA 5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	150,116.32	2,894.70
23 52 23 00-0149 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	155,040.98	3,026.27
23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	67,981.35	9,580.81
23 52 23 00-0152 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	73,994.01	10,128.28
23 52 23 00-0153 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	81,296.70	10,675.76
23 52 23 00-0154 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	86,206.57	11,223.23
23 52 23 00-0155 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	91,316.64	11,770.71
23 52 23 00-0156 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	97,966.83	12,318.19
23 52 23 00-0157 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	103,330.78	12,865.65
23 52 23 00-0158 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	108,289.94	13,413.13
23 52 23 00-0159 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	117,258.98	13,960.61
23 52 23 00-0160 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	122,214.01	14,508.09
23 52 23 00-0161 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	127,167.47	15,055.55
23 52 23 00-0162 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	136,304.05	15,603.03
23 52 23 00-0163 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	141,298.45	16,150.51
23 52 23 00-0164 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	149,443.57	16,697.98
23 52 23 00-0165 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	154,697.14	17,245.46
23 52 23 00-0166 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	160,330.03	17,792.93
23 52 23 00-0167 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	165,271.79	18,340.40



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 52 23 00-0168	EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	170,361.98	18,887.88
	23 52 23 00-0169	Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
	23 52 23 00-0170	EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	60,670.50	1,710.49
	23 52 23 00-0171	EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	66,527.45	1,842.08
	23 52 23 00-0172	EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	73,671.02	1,973.65
	23 52 23 00-0173	EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	78,425.72	2,105.23
	23 52 23 00-0174	EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	82,850.30	2,105.23
	23 52 23 00-0175	EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	87,594.72	2,236.81
	23 52 23 00-0176	EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	92,274.27	2,236.81
	23 52 23 00-0177	EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	97,073.42	2,368.38
	23 52 23 00-0178	EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	105,361.67	2,368.38
	23 52 23 00-0179	EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	110,158.19	2,499.96
	23 52 23 00-0180	EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	114,429.79	2,499.96
	23 52 23 00-0181	EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	123,411.78	2,631.54
	23 52 23 00-0182	EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	127,721.30	2,631.54
	23 52 23 00-0183	EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	135,706.99	2,763.11
	23 52 23 00-0184	EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	140,278.01	2,763.11
	23 52 23 00-0185	EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	145,751.89	2,894.70
	23 52 23 00-0186	EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	150,010.41	2,894.70
	23 52 23 00-0187	EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	154,942.92	3,026.27
	23 52 23 00-0188	Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
	23 52 23 00-0189	EA 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	73,109.36	9,580.81
	23 52 23 00-0190	EA 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	79,123.33	10,128.28
	23 52 23 00-0191	EA 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	84,953.78	10,675.76
	23 52 23 00-0192	EA 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	90,467.72	11,223.23
	23 52 23 00-0193	EA 2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	95,869.36	11,770.71
	23 52 23 00-0194	EA 2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	101,829.18	12,318.19
	23 52 23 00-0195	EA 2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	108,376.42	12,865.65
	23 52 23 00-0196	EA 3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	113,654.61	13,413.13
	23 52 23 00-0197	EA 3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	121,895.37	13,960.61
	23 52 23 00-0198	EA 3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	126,849.10	14,508.09
	23 52 23 00-0199	EA 3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	131,197.19	15,055.55
	23 52 23 00-0200	EA 4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	139,043.27	15,603.03
	23 52 23 00-0201	EA 4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	145,345.16	16,150.51
	23 52 23 00-0202	EA 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	153,980.60	16,697.98
	23 52 23 00-0203	EA 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	159,196.25	17,245.46
	23 52 23 00-0204	EA 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	165,184.78	17,792.93
	23 52 23 00-0205	EA 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	170,127.85	18,340.40
	23 52 23 00-0206	EA 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	175,214.11	18,887.88
	23 52 23 00-0207	Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0208 EA 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894).....	66,105.77	1,710.49
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0209 EA 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994).....	71,964.04	1,842.08
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0210 EA 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094).....	77,639.28	1,973.65
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0211 EA 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194).....	82,995.43	2,105.23
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0212 EA 2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294).....	87,711.58	2,105.23
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0213 EA 2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394).....	91,764.34	2,236.81
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0214 EA 2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494).....	97,627.17	2,236.81
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0215 EA 3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594).....	102,746.67	2,368.38
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0216 EA 3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694).....	110,306.63	2,368.38
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0217 EA 3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794).....	115,101.85	2,499.96
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0218 EA 3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894).....	118,766.77	2,499.96
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0219 EA 4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994).....	126,458.25	2,631.54
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0220 EA 4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094).....	132,076.58	2,631.54
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0221 EA 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194).....	140,552.58	2,763.11
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0222 EA 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294).....	145,085.68	2,763.11
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0223 EA 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394).....	150,913.89	2,894.70
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0224 EA 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494).....	155,173.73	2,894.70
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0225 EA 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594).....	160,103.62	3,026.27
Note: Fire tested factory assembled package cast iron unit.		

23 52 33 Water-Tube Boilers (23 52)

23 52 33 13 Finned Water-Tube Boilers (23 52 33)

23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler

23 52 33 13-0002 EA 200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	9,607.71	805.14
23 52 33 13-0003 EA 300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	10,578.72	894.61
23 52 33 13-0004 EA 400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	12,182.92	1,073.52
23 52 33 13-0005 EA 500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	15,394.13	1,118.25
23 52 33 13-0006 EA 750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	18,103.36	1,341.90
23 52 33 13-0007 EA 1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	22,219.65	1,610.28
23 52 33 13-0008 EA 1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	25,155.55	1,699.74
23 52 33 13-0009 EA 1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	27,832.41	1,833.93
23 52 33 13-0010 EA 1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	30,299.01	1,923.39
23 52 33 13-0011 EA 2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	32,449.82	1,968.12

23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler

23 52 33 13-0013 EA 1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	32,744.15	1,610.28
23 52 33 13-0014 EA 1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	40,779.76	1,833.93
23 52 33 13-0015 EA 2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	43,463.11	1,968.12
23 52 33 13-0016 EA 2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	61,135.71	2,236.50
23 52 33 13-0017 EA 3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	64,228.93	2,504.88

23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler (23 52 33 13)

23 52 33 13-0019 EA 340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402).....	13,940.36	722.46
For High And Low Gas Pressure Switch With Manual Reset, Add	502.08	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	444.78	
23 52 33 13-0020 EA 425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502).....	16,755.56	902.74
For High And Low Gas Pressure Switch With Manual Reset, Add	502.08	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	444.78	
23 52 33 13-0021 EA 552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652).....	18,045.39	1,084.36
For High And Low Gas Pressure Switch With Manual Reset, Add	502.08	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	444.78	
23 52 33 13-0022 EA 637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752).....	18,524.28	1,084.36
For High And Low Gas Pressure Switch With Manual Reset, Add	502.08	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	444.78	
23 52 33 13-0023 EA 841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992).....	22,984.47	1,355.46
For High And Low Gas Pressure Switch With Manual Reset, Add	502.08	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	444.78	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0024	EA			1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	26,499.05 502.08 444.78	1,355.46
23 52 33 13-0025	EA			1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	28,823.90 502.08 444.78	1,355.46
23 52 33 13-0026	EA			1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	31,162.53 502.08 444.78	1,626.55
23 52 33 13-0027	EA			1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	36,842.44 502.08 444.78	1,897.64
23 52 33 13-0028				Raypak Cupro-Nickel Finned-Tube Boiler With Pump <small>(23 52 33 13)</small>		
23 52 33 13-0029	EA			385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B).....	13,603.27	993.00
23 52 33 13-0030	EA			420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B).....	14,653.70	894.61
23 52 33 13-0031	EA			546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B).....	16,256.96	1,073.52
23 52 33 13-0032	EA			630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B).....	17,266.04	1,218.69
23 52 33 13-0033	EA			756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B).....	19,179.67	1,341.90
23 52 33 13-0034	EA			832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B).....	20,622.86	1,444.38
23 52 33 13-0035	EA			1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B).....	23,550.60	1,610.28
23 52 33 13-0036	EA			1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B).....	27,284.24	1,699.74
23 52 33 13-0037	EA			1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B).....	28,964.28	1,833.93
23 52 33 13-0038	EA			1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B).....	34,476.61	1,878.67
23 52 33 13-0039	EA			1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B).....	34,612.15	1,923.39
23 52 33 13-0040	EA			1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B).....	40,366.35	1,968.12
23 52 33 16				Steel Water-Tube Boilers <small>(23 52 33)</small>		
23 52 33 16-0001				Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small> Note: Compliant with BAAQMD.		
23 52 33 16-0002	EA			1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100).....	85,382.34	2,168.73
23 52 33 16-0003	EA			1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150).....	91,952.16	2,710.92
23 52 33 16-0004	EA			2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200).....	93,712.15	2,982.00
23 52 33 16-0005	EA			2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250).....	100,957.60	3,253.09
23 52 33 16-0006	EA			3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300).....	104,513.60	3,659.73
23 52 33 16-0007	EA			3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350).....	115,380.71	4,066.37
23 52 33 16-0008	EA			4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400).....	120,222.29	4,201.91
23 52 33 16-0009				Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small> Note: Compliant with BAAQMD.		
23 52 33 16-0010	EA			1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS).....	99,636.04	2,439.82
23 52 33 16-0011	EA			1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS).....	104,714.83	2,846.45
23 52 33 16-0012	EA			2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS).....	107,694.75	3,117.55
23 52 33 16-0013	EA			2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS).....	120,423.53	3,388.64
23 52 33 16-0014	EA			3,000 MBH, 74 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS).....	124,926.24	3,659.73
23 52 33 16-0015	EA			3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS).....	133,660.60	4,066.37
23 52 33 16-0016	EA			4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS).....	141,522.41	4,337.46
23 52 33 16-0017	EA			5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS).....	235,594.65	4,608.55
23 52 33 16-0018	EA			6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS).....	255,026.68	4,879.65
23 52 33 16-0019	EA			7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS).....	268,365.43	5,150.73
23 52 33 16-0020	EA			8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS).....	275,305.89	5,421.82
23 52 33 16-0021				Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small> Note: Compliant with BAAQMD.		
23 52 33 16-0022	EA			1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS).....	107,252.13	2,439.82

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0023 EA 1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS)	113,855.84	2,846.45
23 52 33 16-0024 EA 2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS)	118,053.56	3,117.55
23 52 33 16-0025 EA 2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS)	131,087.33	3,388.64
23 52 33 16-0026 EA 3,000 MBH, 74 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS)	135,590.04	3,659.73
23 52 33 16-0027 EA 3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS)	142,801.60	4,066.37
23 52 33 16-0028 EA 4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS)	150,962.00	4,337.46
23 52 33 16-0029 EA 5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS)	244,430.68	4,608.55
23 52 33 16-0030 EA 6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS)	265,387.63	4,879.65
23 52 33 16-0031 EA 7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS)	273,850.89	5,150.73
23 52 33 16-0032 EA 8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS)	285,666.84	5,421.82
23 52 33 16-0033 EA 9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS)	317,590.45	5,692.92
23 52 33 16-0034 EA 10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS)	458,741.23	5,964.01
23 52 33 16-0035 EA 12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS)	481,982.38	6,235.09

23 52 36 Fire-Box Boiler (23 52)**23 52 36 00-0001 Package Oil Fired Firebox Boilers (23 52 36)**

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP). boiler sizes are based on HP rating and gross output.

23 52 36 00-0002 EA 40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	80,064.41	3,157.84
23 52 36 00-0003 EA 46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	83,747.31	3,421.00
23 52 36 00-0004 EA 53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	87,717.11	3,684.16
23 52 36 00-0005 EA 61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	94,843.50	3,947.30
23 52 36 00-0006 EA 69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	99,100.22	4,210.46
23 52 36 00-0007 EA 80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	103,285.39	4,473.62
23 52 36 00-0008 EA 100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	114,802.21	4,736.76
23 52 36 00-0009 EA 127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	132,771.11	5,263.08
23 52 36 00-0010 EA 151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	151,041.41	5,789.38
23 52 36 00-0011 EA 183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	165,712.57	6,381.48
23 52 36 00-0012 EA 220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	180,383.89	6,973.57
23 52 36 00-0013 EA 257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	189,926.48	8,157.76
23 52 36 00-0014 EA 294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	231,249.62	9,341.95
23 52 36 00-0015 EA 368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	273,577.10	10,526.15
23 52 36 00-0016 EA 441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	316,383.04	11,841.92
23 52 36 00-0017 EA 514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	358,100.57	12,828.74

23 52 39 Fire-Tube Boilers (23 52)**23 52 39 13 Scotch Marine Boilers (23 52 39)****23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers (23 52 39 13)**

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)

23 52 39 13-0003 EA 30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	63,943.63	1,447.35
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0004 EA 40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	68,843.77	1,578.92
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0005 EA 50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	74,771.34	1,710.49
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0006 EA 60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	78,257.21	1,973.65
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0007 EA 70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	82,027.66	2,105.23
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0008 EA 80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	85,889.50	2,236.81
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0009 EA 90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	88,538.42	2,302.60
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0010 EA 100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	93,420.82	2,368.38
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0011 EA 125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	105,592.39	2,631.54
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0012 EA 150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	119,923.02	2,894.70
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0013 EA 175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	131,547.78	3,190.74
Note: Burnham Series 3. Fire tested factory assembled unit.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0014 EA 200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	143,169.85	3,486.79
23 52 39 13-0015 EA 250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	151,300.03	4,078.89
23 52 39 13-0016 EA 300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	183,800.62	4,670.98
23 52 39 13-0017 EA 350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	199,129.71	5,263.08
23 52 39 13-0018 EA 400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	234,209.56	5,855.17
23 52 39 13-0019 EA 500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	283,984.34	6,447.27
23 52 39 13-0020 EA 600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	331,884.81	7,039.36
23 52 39 13-0021 EA 700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	377,739.14	7,631.46
23 52 39 13-0022 EA 800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	421,779.54	8,223.55
23 52 39 13-0023 EA 900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	653,860.97	8,815.65
23 52 39 13-0024 EA 1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	711,314.80	9,407.74
23 52 39 13-0025 15 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)		
23 52 39 13-0026 EA 30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	59,340.08	1,447.35
23 52 39 13-0027 EA 40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	63,893.71	1,578.92
23 52 39 13-0028 EA 50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	69,390.84	1,710.49
23 52 39 13-0029 EA 60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	75,683.18	1,973.65
23 52 39 13-0030 EA 70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	78,991.62	2,105.23
23 52 39 13-0031 EA 80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	82,293.90	2,236.81
23 52 39 13-0032 EA 90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	85,341.69	2,302.60
23 52 39 13-0033 EA 100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	91,374.79	2,368.38
23 52 39 13-0034 EA 125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	105,689.95	2,631.54
23 52 39 13-0035 EA 150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	120,029.19	2,894.70
23 52 39 13-0036 EA 175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	131,665.44	3,190.74
23 52 39 13-0037 EA 200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	143,298.98	3,486.79
23 52 39 13-0038 EA 250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	151,434.90	4,078.89
23 52 39 13-0039 EA 300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	183,967.06	4,670.98
23 52 39 13-0040 EA 350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	199,307.63	5,263.08
23 52 39 13-0041 EA 400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	234,421.91	5,855.17
23 52 39 13-0042 EA 500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	284,242.61	6,447.27
23 52 39 13-0043 EA 600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	332,188.99	7,039.36
23 52 39 13-0044 EA 700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	378,086.36	7,631.46
23 52 39 13-0045 EA 800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	422,169.81	8,223.55
23 52 39 13-0046 EA 900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	654,477.89	8,815.65
23 52 39 13-0047 EA 1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	711,989.68	9,407.74
23 52 39 13-0048 15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)		
23 52 39 13-0049 EA 30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	65,958.52	1,447.35
23 52 39 13-0050 EA 40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	71,010.32	1,578.92
23 52 39 13-0051 EA 50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	77,121.54	1,710.49
23 52 39 13-0052 EA 60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	81,178.46	1,973.65
23 52 39 13-0053 EA 70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	84,713.61	2,105.23
23 52 39 13-0054 EA 80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	88,242.58	2,236.81

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0055 EA 90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,514.20	2,302.60
23 52 39 13-0056 EA 100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	94,786.75	2,368.38
23 52 39 13-0057 EA 125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,655.74	2,631.54
23 52 39 13-0058 EA 150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,548.81	2,894.70
23 52 39 13-0059 EA 175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,621.23	3,190.74
23 52 39 13-0060 EA 200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	148,688.09	3,486.79
23 52 39 13-0061 EA 250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	157,065.06	4,078.89
23 52 39 13-0062 EA 300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	190,854.10	4,670.98
23 52 39 13-0063 EA 350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	206,734.15	5,263.08
23 52 39 13-0064 EA 400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	243,214.36	5,855.17
23 52 39 13-0065 EA 500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	295,012.22	6,447.27
23 52 39 13-0066 EA 600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	344,855.40	7,039.36
23 52 39 13-0067 EA 700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	392,569.23	7,631.46
23 52 39 13-0068 EA 800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	438,388.79	8,223.55
23 52 39 13-0069 EA 900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	680,280.87	8,815.65
23 52 39 13-0070 EA 1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	740,086.44	9,407.74
23 52 39 13-0071 125 PSI Water Scotch Marine Boilers (23 52 39 13) Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0072 125 PSI Gas Fired Water Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0073 EA 40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	75,601.68	1,578.92
23 52 39 13-0074 EA 50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	84,797.72	1,710.49
23 52 39 13-0075 EA 60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	91,196.24	1,973.65
23 52 39 13-0076 EA 70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	98,019.94	2,105.23
23 52 39 13-0077 EA 80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	104,983.82	2,236.81
23 52 39 13-0078 EA 90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	110,496.60	2,302.60
23 52 39 13-0079 EA 100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	118,891.39	2,368.38
23 52 39 13-0080 EA 125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	127,616.57	2,631.54
23 52 39 13-0081 EA 150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	139,146.47	2,894.70
23 52 39 13-0082 EA 175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	148,093.90	3,190.74
23 52 39 13-0083 EA 200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	153,460.23	3,486.79
23 52 39 13-0084 EA 250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	185,672.10	4,078.89
23 52 39 13-0085 EA 300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	216,123.80	4,670.98
23 52 39 13-0086 EA 350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	233,117.25	5,263.08
23 52 39 13-0087 EA 400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	260,079.00	5,855.17
23 52 39 13-0088 EA 500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	314,677.58	6,447.27
23 52 39 13-0089 EA 600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	367,981.51	7,039.36
23 52 39 13-0090 EA 700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	419,009.73	7,631.46
23 52 39 13-0091 EA 800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	468,003.06	8,223.55
23 52 39 13-0092 EA 900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	727,390.34	8,815.65
23 52 39 13-0093 EA 1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	791,385.99	9,407.74



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0094				125 PSI Oil Fired Water Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		
			EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	70,115.01	1,578.92
			EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	78,622.34	1,710.49
			EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	88,145.85	1,973.65
			EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	94,326.77	2,105.23
			EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,498.64	2,236.81
			EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	106,413.16	2,302.60
			EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,222.66	2,368.38
			EA	125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	127,734.22	2,631.54
			EA	150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	139,272.73	2,894.70
			EA	175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	148,228.77	3,190.74
			EA	200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	153,600.84	3,486.79
			EA	250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	185,841.41	4,078.89
			EA	300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	216,321.80	4,670.98
			EA	350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	233,329.60	5,263.08
			EA	400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	260,317.18	5,855.17
			EA	500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	314,967.41	6,447.27
			EA	600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	368,322.99	7,039.36
			EA	700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	419,399.99	7,631.46
			EA	800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	468,439.24	8,223.55
			EA	900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	728,081.78	8,815.65
			EA	1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	792,139.54	9,407.74
23 52 39 13-0116				125 PSI Gas/Oil Fired Water Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		
			EA	40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	78,000.67	1,578.92
			EA	50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	87,495.15	1,710.49
			EA	60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	94,654.11	1,973.65
			EA	70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	101,291.28	2,105.23
			EA	80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,922.29	2,236.81
			EA	90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	114,295.95	2,302.60
			EA	100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	120,670.54	2,368.38
			EA	125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	132,618.28	2,631.54
			EA	150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	144,592.97	2,894.70
			EA	175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	153,873.27	3,190.74
			EA	200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	159,420.39	3,486.79
			EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	192,906.36	4,078.89
			EA	300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	224,557.55	4,670.98
			EA	350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	242,173.71	5,263.08
			EA	400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	270,188.60	5,855.17
			EA	500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	327,019.73	6,447.27
			EA	600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	382,495.94	7,039.36
			EA	700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	435,604.62	7,631.46

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0135 EA 800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	486,586.59	8,223.55
23 52 39 13-0136 EA 900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	756,952.79	8,815.65
23 52 39 13-0137 EA 1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	823,573.46	9,407.74
23 52 39 13-0138 150 PSI Steam Scotch Marine Boilers <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0139 150 PSI Gas Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0140 EA 40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	87,602.35	1,578.92
23 52 39 13-0141 EA 50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,148.37	1,710.49
23 52 39 13-0142 EA 60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,365.99	1,973.65
23 52 39 13-0143 EA 70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,109.23	2,105.23
23 52 39 13-0144 EA 80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	108,972.57	2,236.81
23 52 39 13-0145 EA 90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,338.88	2,302.60
23 52 39 13-0146 EA 100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	118,607.30	2,368.38
23 52 39 13-0147 EA 125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	134,116.21	2,631.54
23 52 39 13-0148 EA 150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	152,424.11	2,894.70
23 52 39 13-0149 EA 175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	167,182.47	3,190.74
23 52 39 13-0150 EA 200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	181,938.14	3,486.79
23 52 39 13-0151 EA 250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	191,795.83	4,078.89
23 52 39 13-0152 EA 300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	233,338.53	4,670.98
23 52 39 13-0153 EA 350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	252,528.58	5,263.08
23 52 39 13-0154 EA 400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	297,452.67	5,855.17
23 52 39 13-0155 EA 500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	361,454.93	6,447.27
23 52 39 13-0156 EA 600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	422,991.74	7,039.36
23 52 39 13-0157 EA 700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	481,905.62	7,631.46
23 52 39 13-0158 EA 800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	538,446.00	8,223.55
23 52 39 13-0159 EA 900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	839,446.12	8,815.65
23 52 39 13-0160 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	913,395.30	9,407.74
23 52 39 13-0161 150 PSI Oil Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0162 EA 40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	81,165.84	1,578.92
23 52 39 13-0163 EA 50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	88,155.16	1,710.49
23 52 39 13-0164 EA 60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	96,017.17	1,973.65
23 52 39 13-0165 EA 70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	100,163.53	2,105.23
23 52 39 13-0166 EA 80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	104,300.86	2,236.81
23 52 39 13-0167 EA 90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	108,180.83	2,302.60
23 52 39 13-0168 EA 100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	115,944.31	2,368.38
23 52 39 13-0169 EA 125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	134,239.60	2,631.54
23 52 39 13-0170 EA 150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	152,564.72	2,894.70
23 52 39 13-0171 EA 175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	167,337.43	3,190.74
23 52 39 13-0172 EA 200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	182,107.45	3,486.79
23 52 39 13-0173 EA 250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	191,970.87	4,078.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0174 EA 300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	233,553.75	4,670.98
23 52 39 13-0175 EA 350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	252,761.02	5,263.08
23 52 39 13-0176 EA 400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	297,728.15	5,855.17
23 52 39 13-0177 EA 500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	361,790.68	6,447.27
23 52 39 13-0178 EA 600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	423,387.74	7,039.36
23 52 39 13-0179 EA 700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	482,356.15	7,631.46
23 52 39 13-0180 EA 800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	538,951.05	8,223.55
23 52 39 13-0181 EA 900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	840,249.36	8,815.65
23 52 39 13-0182 EA 1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	914,273.06	9,407.74
23 52 39 13-0183 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0184 EA 40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	90,417.43	1,578.92
23 52 39 13-0185 EA 50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	98,204.50	1,710.49
23 52 39 13-0186 EA 60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	103,162.47	1,973.65
23 52 39 13-0187 EA 70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	107,601.54	2,105.23
23 52 39 13-0188 EA 80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	112,031.56	2,236.81
23 52 39 13-0189 EA 90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	116,207.11	2,302.60
23 52 39 13-0190 EA 100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	120,380.71	2,368.38
23 52 39 13-0191 EA 125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	139,396.28	2,631.54
23 52 39 13-0192 EA 150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	158,438.79	2,894.70
23 52 39 13-0193 EA 175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	173,776.82	3,190.74
23 52 39 13-0194 EA 200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	189,115.01	3,486.79
23 52 39 13-0195 EA 250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	199,291.22	4,078.89
23 52 39 13-0196 EA 300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	242,506.90	4,670.98
23 52 39 13-0197 EA 350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	262,414.36	5,263.08
23 52 39 13-0198 EA 400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	309,157.77	5,855.17
23 52 39 13-0199 EA 500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	375,794.33	6,447.27
23 52 39 13-0200 EA 600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	439,853.51	7,039.36
23 52 39 13-0201 EA 700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	501,183.59	7,631.46
23 52 39 13-0202 EA 800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	560,036.87	8,223.55
23 52 39 13-0203 EA 900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	873,790.74	8,815.65
23 52 39 13-0204 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	950,795.53	9,407.74

23 53 Heating Boiler Feedwater Equipment (23 50)

23 53 13 Boiler Feedwater Pumps (23 53)
See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators (23 53)

23 53 16 00-0001 Boiler Feed System (23 53 16)

23 53 16 00-0002 Low Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	7,433.86	1,694.35
23 53 16 00-0004 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	8,110.17	1,996.12
23 53 16 00-0005 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	8,671.95	2,066.05
23 53 16 00-0006 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	8,954.52	2,141.86
23 53 16 00-0007 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	9,486.62	2,289.07
23 53 16 00-0008 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	14,576.14	2,480.44
23 53 16 00-0009 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	16,371.73	2,649.73
23 53 16 00-0010 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	18,756.79	3,017.74

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 53 Heating Boiler Feedwater Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0011 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	20,600.30	3,238.55
23 53 16 00-0012 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	22,178.73	3,459.37
23 53 16 00-0013 High Pressure Boiler Feed System (23 53 16 00-0001) Note: With deaerator includes pumps and accessories.		
23 53 16 00-0014 EA 10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	9,857.30	1,444.54
23 53 16 00-0015 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,363.32	1,694.35
23 53 16 00-0016 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	11,593.97	1,996.12
23 53 16 00-0017 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	12,482.67	2,066.05
23 53 16 00-0018 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	12,718.84	2,141.86
23 53 16 00-0019 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	15,209.44	2,289.07
23 53 16 00-0020 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	19,535.62	2,480.44
23 53 16 00-0021 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	20,098.24	2,649.73
23 53 16 00-0022 EA 183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	22,061.99	2,837.57
23 53 16 00-0023 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	23,721.24	3,017.74
23 53 16 00-0024 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	25,376.53	3,238.55
23 53 16 00-0025 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	27,371.54	3,459.37
23 53 16 00-0026 Boiler Feedwater System (23 53 16) Note: With deaerator includes pumps and accessories.		
23 53 16 00-0027 EA 1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	12,412.69	1,996.12
23 53 16 00-0028 EA 2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	16,026.67	2,286.86
23 53 16 00-0029 EA 4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	20,955.73	2,617.34
23 53 16 00-0030 EA 6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	25,146.93	3,019.21
23 53 16 00-0031 EA 8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	26,704.74	3,238.55
23 53 16 00-0032 EA 11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	28,198.95	3,459.37
23 53 16 00-0033 EA 13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	31,446.96	3,974.74
23 53 16 00-0034 EA 17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	40,389.62	4,563.71
23 53 16 00-0035 EA 20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	52,117.62	5,273.26
23 53 16 00-0036 EA 27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	65,717.88	6,053.16
23 53 16 00-0037 EA 34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	83,791.77	6,964.37
23 53 16 00-0038 Duplex Vacuum Condensate Pumps (23 53 16)		
23 53 16 00-0039 EA 7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	32,402.15	1,177.66
Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.		
23 53 16 00-0040 EA 9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	33,152.49	1,251.26
Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.		
23 53 16 00-0041 EA 12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump.....	34,012.49	1,324.86
Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.		
23 53 16 00-0042 EA 18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump.....	32,922.34	1,398.47
Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.		
23 53 16 00-0043 EA 28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump.....	44,505.29	1,472.07
Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.		
23 53 16 00-0044 EA 42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump.....	46,845.68	1,545.68
Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.		
23 54 Furnaces (23 50) Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.		
23 54 13 Electric-Resistance Furnaces (23 54)		
23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)		
23 54 13 00-0002 EA Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace.....	1,438.15	134.53
Note: Excludes cooling equipment.		
23 54 13 00-0003 EA >2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace.....	1,900.14	168.16
Note: Excludes cooling equipment.		
23 54 13 00-0004 EA >3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace.....	2,458.57	201.80
Note: Excludes cooling equipment.		
23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)		
23 54 13 00-0006 EA Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace.....	1,438.15	134.53
Note: Excludes cooling equipment.		
23 54 13 00-0007 EA >2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,720.37	151.34
Note: Excludes cooling equipment.		
23 54 13 00-0008 EA >2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,880.05	168.16
Note: Excludes cooling equipment.		
23 54 13 00-0009 EA >3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,967.41	184.99
Note: Excludes cooling equipment.		
23 54 13 00-0010 EA >3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	2,458.57	201.80
Note: Excludes cooling equipment.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace <small>(23 54 13)</small>		
23 54 13 00-0012 EA 5 KW Heating Coil For Air Handler/Electric Furnace.....	258.58	37.03
23 54 13 00-0013 EA 7 KW Heating Coil For Air Handler/Electric Furnace.....	295.48	40.73
23 54 13 00-0014 EA 10 KW Heating Coil For Air Handler/Electric Furnace.....	320.34	44.43
23 54 13 00-0015 EA 15 KW Heating Coil For Air Handler/Electric Furnace.....	435.61	48.13
23 54 13 00-0016 EA 20 KW Heating Coil For Air Handler/Electric Furnace.....	470.50	51.83
 23 54 16 Fuel-Fired Furnaces <small>(23 54)</small>		
23 54 16 13 Gas-Fired Furnaces <small>(23 54 16)</small>		
23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces <small>(23 54 16 13)</small>		
<small>Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.</small>		
23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0003 EA 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	2,262.89	117.71
<small>Note: Blower cooling capacity up to 3 tons.</small>		
23 54 16 13-0004 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	2,410.51	134.53
<small>Note: Blower cooling capacity up to 3 tons.</small>		
23 54 16 13-0005 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace.....	2,781.13	151.34
<small>Note: Blower cooling capacity up to 4 tons.</small>		
23 54 16 13-0006 EA 100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	3,251.16	184.99
<small>Note: Blower cooling capacity up to 5 tons.</small>		
23 54 16 13-0007 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	3,469.09	201.80
<small>Note: Blower cooling capacity up to 5 tons.</small>		
 23 54 16 13-0008 Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0009 EA 40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	2,520.02	117.71
<small>Note: Blower cooling capacity up to 3 tons.</small>		
23 54 16 13-0010 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	2,760.07	134.53
<small>Note: Blower cooling capacity up to 3 tons.</small>		
23 54 16 13-0011 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	2,927.32	151.34
<small>Note: Blower cooling capacity up to 3 tons.</small>		
23 54 16 13-0012 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	3,077.11	168.16
<small>Note: Blower cooling capacity up to 3.5 tons.</small>		
23 54 16 13-0013 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	3,454.07	184.99
<small>Note: Blower cooling capacity up to 5 tons.</small>		
23 54 16 13-0014 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	3,641.87	201.80
<small>Note: Blower cooling capacity up to 5 tons.</small>		
 23 54 16 13-0015 Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0016 EA 45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace	2,218.59	117.71
<small>Note: Blower cooling capacity up to 4 tons.</small>		
23 54 16 13-0017 EA 70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace	2,547.04	134.53
<small>Note: Blower cooling capacity up to 4 tons.</small>		
23 54 16 13-0018 EA 90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace	2,761.92	168.16
<small>Note: Blower cooling capacity up to 4 tons.</small>		
23 54 16 13-0019 EA 90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace	2,949.73	184.99
<small>Note: Blower cooling capacity up to 5 tons.</small>		
 23 54 16 13-0020 Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0021 EA 40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	2,913.78	117.71
<small>Note: Blower cooling capacity up to 4 tons.</small>		
23 54 16 13-0022 EA 60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	3,069.46	134.53
<small>Note: Blower cooling capacity up to 3 tons.</small>		
23 54 16 13-0023 EA 80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	3,417.98	151.34
<small>Note: Blower cooling capacity up to 4 tons.</small>		
23 54 16 13-0024 EA 100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	3,733.32	184.99
<small>Note: Blower cooling capacity up to 4 tons.</small>		
23 54 16 13-0025 EA 120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace.....	4,001.48	201.80
<small>Note: Blower cooling capacity up to 5 tons.</small>		
 23 54 16 13-0026 Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0027 EA 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,017.77	117.71
<small>Note: Blower cooling capacity up to 3 tons.</small>		
23 54 16 13-0028 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,127.24	134.53
<small>Note: Blower cooling capacity up to 3 tons.</small>		
23 54 16 13-0029 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,373.30	151.34
<small>Note: Blower cooling capacity up to 3 tons.</small>		
23 54 16 13-0030 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,393.39	151.34
<small>Note: Blower cooling capacity up to 4 tons.</small>		
23 54 16 13-0031 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,611.32	168.16
<small>Note: Blower cooling capacity up to 5 tons.</small>		
23 54 16 13-0032 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	2,752.93	184.99
<small>Note: Blower cooling capacity up to 5 tons.</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0033 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,918.63	201.80
23 54 16 13-0034 Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0035 EA 40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,401.01	117.71
23 54 16 13-0036 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,532.57	134.53
23 54 16 13-0037 EA 60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,752.52	151.34
23 54 16 13-0038 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,754.53	151.34
23 54 16 13-0039 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,926.26	168.16
23 54 16 13-0040 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,977.45	184.99
23 54 16 13-0041 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,197.40	201.80
23 54 16 13-0042 Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0043 EA 40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,421.10	117.71
23 54 16 13-0044 EA 60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,538.60	134.53
23 54 16 13-0045 EA 80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,842.92	151.34
23 54 16 13-0046 EA 100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,028.71	168.16
23 54 16 13-0047 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)		
23 54 16 13-0048 EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	2,414.51	100.90
23 54 16 13-0049 EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	2,786.61	126.19
23 54 16 13-0050 EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,183.47	100.90
23 54 16 13-0051 EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,333.63	109.37
23 54 16 13-0052 EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,313.01	117.71
23 54 16 13-0053 EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,382.91	126.19
23 54 16 13-0054 EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,467.43	126.19
23 54 16 13-0055 Gas Fired Indoor Duct Furnace (23 54 16 13-0001) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056 Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)		
23 54 16 13-0057 EA 100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	2,719.41	262.34
23 54 16 13-0058 EA 150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,032.51	322.88
23 54 16 13-0059 EA 200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,452.73	464.13
23 54 16 13-0060 EA 250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,894.42	524.67
23 54 16 13-0061 EA 300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,538.51	605.40
23 54 16 13-0062 EA 350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,994.04	726.48
23 54 16 13-0063 EA 400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	5,712.24	968.64
23 54 16 13-0064 Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065 EA 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,042.46	262.34
23 54 16 13-0066 EA 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,350.74	322.88
23 54 16 13-0067 EA 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	3,889.89	464.13
23 54 16 13-0068 EA 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	4,410.33	524.67
23 54 16 13-0069 EA 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	5,428.90	605.40
23 54 16 13-0070 EA 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	5,959.97	726.48
23 54 16 13-0071 EA 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace.....	6,625.12	968.64
23 54 16 16 Oil-Fired Furnaces (23 54 16)		
23 54 16 16-0001 Oil Fired Forced Air Furnaces (23 54 16 16) Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0003 EA 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace..... Note: Blower cooling capacity up to 3 tons.	3,897.17	134.53
23 54 16 16-0004 EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 4 tons.	4,143.16	184.99
23 54 16 16-0005 EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	4,781.94	218.62
23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 16-0007 EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	4,516.83	184.99
Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0008 EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	4,554.93	218.62
Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0009 Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0010 EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace.....	3,906.09	184.99
Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0011 EA 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace.....	4,637.30	218.62
Note: Blower cooling capacity up to 5 tons.		
23 54 19 Furnace Accessories (23 54)		
23 54 19 00-0001 EA LP Gas Furnace Conversion Kit.....	221.42	33.63
23 54 19 00-0002 EA 1" Furnace External Filter Rack.....	66.44	
23 54 19 00-0003 EA Removal And Reinstallation Of Forced Air Furnace.....	622.83	
Note: Includes storage and cleaning. Excludes ductwork.		
23 55 Fuel-Fired Heaters (23 50)		
23 55 23 Gas-Fired Radiant Heaters (23 55)		
23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)		
23 55 23 13-0001 Infrared Heaters-Radiant Energy (23 55 23 13)		
Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002 Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001)		
Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003 EA 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,001.88	147.21
23 55 23 13-0004 EA 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,122.82	161.93
23 55 23 13-0005 EA 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,191.23	161.93
23 55 23 13-0006 EA 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,486.49	194.32
23 55 23 13-0007 EA 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,498.02	194.32
23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001)		
Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009 EA 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,101.27	147.98
For Stainless Steel Housing, Add	163.21	
23 55 23 13-0010 EA 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,171.58	147.98
For Stainless Steel Housing, Add	180.79	
23 55 23 13-0011 EA 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,251.93	147.98
For Stainless Steel Housing, Add	200.87	
23 55 23 13-0012 EA 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,348.53	147.98
For Stainless Steel Housing, Add	225.02	
23 55 23 13-0013 EA 10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,467.11	161.43
For Stainless Steel Housing, Add	250.74	
23 55 23 13-0014 EA 13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,564.87	174.89
For Stainless Steel Housing, Add	270.03	
23 55 23 13-0015 EA 24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	2,467.41	188.35
For Stainless Steel Housing, Add	482.19	
23 55 23 13-0016 Gas Fired Tubular Infrared Heater (23 55 23 13-0001)		
Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017 "U" Package (23 55 23 13-0016)		
23 55 23 13-0018 LF Up To 75 MBH Input Radiant Heater.....	82.49	7.36
23 55 23 13-0019 LF 76 To 105 MBH Input Radiant Heater.....	95.52	8.83
23 55 23 13-0020 LF 106 To 130 MBH Input Radiant Heater.....	115.72	10.31
23 55 23 13-0021 "S" Straight Package (23 55 23 13-0016)		
23 55 23 13-0022 LF Up To 75 MBH Input Radiant Heater.....	67.46	5.88
23 55 23 13-0023 LF 76 To 105 MBH Input Radiant Heater.....	85.07	7.36
23 55 23 13-0024 LF 106 To 130 MBH Input Radiant Heater.....	102.67	8.83
23 55 33 Fuel-Fired Unit Heaters (23 55)		
23 55 33 13 Oil-Fired Unit Heaters (23 55 33)		
23 55 33 13-0001 Oil Fired Unit Heater (23 55 33 13)		
23 55 33 13-0002 Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt (23 55 33 13-0001)		
23 55 33 13-0003 EA 97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	7,047.48	677.72
23 55 33 13-0004 EA 142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	7,573.20	745.50
23 55 33 13-0005 EA 188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	8,143.64	813.27

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 55 Fuel-Fired Heaters**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 55 33 16 Gas-Fired Unit Heaters (23 55 33)****23 55 33 16-0001 Gas Fired Unit Heaters (23 55 33 16)****23 55 33 16-0002 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt (23 55 33 16-0001)**

23 55 33 16-0003	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,823.79	254.15
23 55 33 16-0004	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,015.83	304.98
23 55 33 16-0005	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,043.38	304.98
23 55 33 16-0006	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,248.73	355.81
23 55 33 16-0007	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,484.87	406.64
23 55 33 16-0008	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,663.58	432.05
23 55 33 16-0009	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,733.06	432.05
23 55 33 16-0010	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,673.52	432.05
23 55 33 16-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,137.86	457.47
23 55 33 16-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,409.12	457.47
23 55 33 16-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,634.06	457.47
23 55 33 16-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,315.90	508.30
23 55 33 16-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,825.34	508.30
23 55 33 16-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	5,187.13	559.13

23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters (23 55 33 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater.....	846.44	
23 55 33 16-0019	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	1,140.85	

23 57 Heat Exchangers for HVAC (23 50)**23 57 13 Steam-To-Steam Heat Exchangers (23 57)****23 57 13 00-0001 Steam Generator Heat Exchanger (23 57 13)**

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA	75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	22,202.32	2,355.31
23 57 13 00-0003	EA	300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	29,701.37	2,502.52
23 57 13 00-0004	EA	525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	39,749.37	2,997.06

23 57 16 Steam-To-Water Heat Exchangers (23 57)**23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI (23 57 16)**

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,573.79	368.02
		<i>For Bronze Head And Tube Sheet, Add</i>	937.40	
		<i>For Copper Nickel Tubes, Add</i>	208.31	
		<i>For Double Wall Tube Bundles, Add</i>	312.47	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,743.23	368.02
		<i>For Bronze Head And Tube Sheet, Add</i>	1,419.48	
		<i>For Copper Nickel Tubes, Add</i>	315.44	
		<i>For Double Wall Tube Bundles, Add</i>	473.16	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,616.42	515.23
		<i>For Bronze Head And Tube Sheet, Add</i>	2,196.18	
		<i>For Copper Nickel Tubes, Add</i>	488.04	
		<i>For Double Wall Tube Bundles, Add</i>	732.06	
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	8,911.69	515.23
		<i>For Bronze Head And Tube Sheet, Add</i>	3,347.83	
		<i>For Copper Nickel Tubes, Add</i>	743.96	
		<i>For Double Wall Tube Bundles, Add</i>	1,115.94	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	11,719.90	606.50
		<i>For Bronze Head And Tube Sheet, Add</i>	4,445.92	
		<i>For Copper Nickel Tubes, Add</i>	987.98	
		<i>For Double Wall Tube Bundles, Add</i>	1,481.97	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	15,333.76	742.99
		<i>For Bronze Head And Tube Sheet, Add</i>	5,838.62	
		<i>For Copper Nickel Tubes, Add</i>	1,297.47	
		<i>For Double Wall Tube Bundles, Add</i>	1,946.21	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	18,957.80	1,115.18
		<i>For Bronze Head And Tube Sheet, Add</i>	7,150.97	
		<i>For Copper Nickel Tubes, Add</i>	1,589.10	
		<i>For Double Wall Tube Bundles, Add</i>	2,383.66	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	28,592.51	1,115.18
		<i>For Bronze Head And Tube Sheet, Add</i>	11,141.58	
		<i>For Copper Nickel Tubes, Add</i>	2,475.91	
		<i>For Double Wall Tube Bundles, Add</i>	3,713.86	

23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)**23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)****23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)**

23 57 19 13-0002	EA	8" W x 18-7/8" H Plate And Frame Heat Exchanger.....	4,051.83	368.02
------------------	----	--	----------	--------



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 13-0003 EA 8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	5,345.80	368.02
23 57 19 13-0004 EA 11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	7,110.40	441.62
23 57 19 13-0005 EA 16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	9,610.30	478.43
23 57 19 13-0006 EA 16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	10,499.91	478.43
23 57 19 13-0007 EA 24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	13,646.77	515.23
23 57 19 13-0008 EA 26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	14,374.63	515.23
23 57 19 13-0009 EA 24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	17,756.65	588.83
23 57 19 13-0010 EA 24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	21,704.78	662.43
23 57 19 13-0011 EA 26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	22,513.51	662.43
23 57 19 13-0012 EA 24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	27,817.14	752.75
23 57 19 13-0013 EA 26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	33,550.51	827.89
23 57 19 13-0014 EA 40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	38,717.60	903.02

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger (23 57 19)

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002 EA 7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,049.92	368.02
For Copper Nickel Tubes, Add	255.92	
For Double Wall Tube Bundles, Add	383.88	
23 57 19 19-0003 EA 16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	4,219.37	368.02
For Copper Nickel Tubes, Add	363.05	
For Double Wall Tube Bundles, Add	544.58	
23 57 19 19-0004 EA 34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	6,271.11	515.23
For Copper Nickel Tubes, Add	553.51	
For Double Wall Tube Bundles, Add	830.26	
23 57 19 19-0005 EA 55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	8,956.66	515.23
For Copper Nickel Tubes, Add	797.53	
For Double Wall Tube Bundles, Add	1,196.29	
23 57 19 19-0006 EA 74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	11,100.36	588.83
For Copper Nickel Tubes, Add	982.03	
For Double Wall Tube Bundles, Add	1,473.05	
23 57 19 19-0007 EA 86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	14,762.32	588.83
For Copper Nickel Tubes, Add	1,321.28	
For Double Wall Tube Bundles, Add	1,981.92	
23 57 19 19-0008 EA 112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	18,230.67	557.60
For Copper Nickel Tubes, Add	1,642.67	
For Double Wall Tube Bundles, Add	2,464.00	
23 57 19 19-0009 EA 126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	22,664.39	557.60
For Copper Nickel Tubes, Add	2,047.39	
For Double Wall Tube Bundles, Add	3,071.08	
23 57 19 19-0010 EA 152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	28,975.44	557.60
For Copper Nickel Tubes, Add	2,618.75	
For Double Wall Tube Bundles, Add	3,928.12	

23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)

23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)

23 57 19 23-0002 EA 10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	3,453.61	294.42
For Copper Nickel Tubes, Add	286.48	
For Double Wall Tube Bundles, Add	429.72	
23 57 19 23-0003 EA 53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	9,083.47	490.65
For Copper Nickel Tubes, Add	810.21	
For Double Wall Tube Bundles, Add	1,215.31	
23 57 19 23-0004 EA 70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	12,230.76	640.06
For Copper Nickel Tubes, Add	1,095.29	
For Double Wall Tube Bundles, Add	1,642.94	
23 57 19 23-0005 EA 87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	13,155.62	774.75
For Copper Nickel Tubes, Add	1,160.93	
For Double Wall Tube Bundles, Add	1,741.40	
23 57 19 23-0006 EA 105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	15,806.74	885.60
For Copper Nickel Tubes, Add	1,400.70	
For Double Wall Tube Bundles, Add	2,101.05	

23 60 Central Cooling Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 61 Refrigerant Compressors (23 60)

23 61 16 Reciprocating Refrigerant Compressors (23 61)

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors (23 61 16)

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002 EA 1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	664.39	139.55
23 61 16 00-0003 EA 1/3 Ton Refrigerant Compressor, Reciprocating Open Type.....	770.67	139.55
23 61 16 00-0004 EA 1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,035.31	174.37
23 61 16 00-0005 EA 3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,254.53	174.37
23 61 16 00-0006 EA 1 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,387.39	174.37

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 61 Refrigerant Compressors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0007	EA		1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,409.08	181.42
23 61 16 00-0008	EA		1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,416.83	181.42
23 61 16 00-0009	EA		1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,553.25	195.37
23 61 16 00-0010	EA		2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,669.74	209.33
23 61 16 00-0011	EA		2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,817.21	223.28
23 61 16 00-0012	EA		3 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,045.28	223.28
23 61 16 00-0013	EA		3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,285.75	237.23
23 61 16 00-0014	EA		4 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,340.26	251.19
23 61 16 00-0015	EA		4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,380.75	258.11
23 61 16 00-0016	EA		5 Ton Refrigerant Compressor, Reciprocating Open Type.....	3,966.26	1,351.15
23 61 16 00-0017	EA		7.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	5,731.81	1,544.10
23 61 16 00-0018	EA		10 Ton Refrigerant Compressor, Reciprocating Open Type.....	7,497.56	1,737.19
23 61 16 00-0019	EA		12.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	9,698.73	1,881.83
23 61 16 00-0020	EA		15 Ton Refrigerant Compressor, Reciprocating Open Type.....	11,900.32	2,026.72
23 61 16 00-0021	EA		20 Ton Refrigerant Compressor, Reciprocating Open Type.....	14,280.39	2,432.07
23 61 16 00-0022	EA		25 Ton Refrigerant Compressor, Reciprocating Open Type.....	17,026.93	2,614.00
23 61 16 00-0023	EA		30 Ton Refrigerant Compressor, Reciprocating Open Type.....	19,649.81	2,763.72
23 61 16 00-0024	EA		50 Ton Refrigerant Compressor, Reciprocating Open Type.....	25,496.15	3,118.08
23 61 16 00-0025	EA		60 Ton Refrigerant Compressor, Reciprocating Open Type.....	29,826.52	3,199.85
23 61 16 00-0026	EA		70 Ton Refrigerant Compressor, Reciprocating Open Type.....	36,961.53	3,281.49
23 61 16 00-0027	EA		75 Ton Refrigerant Compressor, Reciprocating Open Type.....	38,754.59	3,322.44
23 61 16 00-0028	EA		80 Ton Refrigerant Compressor, Reciprocating Open Type.....	40,473.80	3,363.26
23 61 16 00-0029	EA		90 Ton Refrigerant Compressor, Reciprocating Open Type.....	43,693.91	3,444.91
23 61 16 00-0030	EA		100 Ton Refrigerant Compressor, Reciprocating Open Type.....	46,623.16	3,526.81
23 61 16 00-0031	EA		110 Ton Refrigerant Compressor, Reciprocating Open Type.....	49,557.24	3,639.28
23 61 16 00-0032	EA		120 Ton Refrigerant Compressor, Reciprocating Open Type.....	51,893.55	3,720.73
23 61 16 00-0033	EA		130 Ton Refrigerant Compressor, Reciprocating Open Type.....	53,887.12	3,768.10
23 61 16 00-0034	EA		140 Ton Refrigerant Compressor, Reciprocating Open Type.....	55,691.11	3,884.68
23 61 16 00-0035	EA		150 Ton Refrigerant Compressor, Reciprocating Open Type.....	57,148.20	3,966.12
23 61 16 00-0036	EA		175 Ton Refrigerant Compressor, Reciprocating Open Type.....	58,645.22	4,074.81
23 61 16 00-0037	EA		185 Ton Refrigerant Compressor, Reciprocating Open Type.....	60,043.77	4,118.62
23 61 16 00-0038	EA		200 Ton Refrigerant Compressor, Reciprocating Open Type.....	61,480.19	4,186.78
23 61 16 00-0039	EA		225 Ton Refrigerant Compressor, Reciprocating Open Type.....	63,253.61	4,469.14
23 61 16 00-0040	EA		250 Ton Refrigerant Compressor, Reciprocating Open Type.....	64,959.71	4,710.06

23 61 16 00-0041**Reciprocating Hermetic Type Refrigerant Compressors (23 61 16)**

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042**Reciprocating Hermetic Type Refrigerant Compressors <5 Tons (23 61 16 00-0041)**

23 61 16 00-0043	EA		1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,105.84	139.55
23 61 16 00-0044	EA		1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,141.03	139.55
23 61 16 00-0045	EA		1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,245.99	174.37
23 61 16 00-0046	EA		3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,281.16	174.37
23 61 16 00-0047	EA		1 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,298.75	174.37
23 61 16 00-0048	EA		1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,340.84	181.42
23 61 16 00-0049	EA		1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,379.54	181.42
23 61 16 00-0050	EA		1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,481.33	195.37
23 61 16 00-0051	EA		2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,579.62	209.33
23 61 16 00-0052	EA		2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,713.05	223.28
23 61 16 00-0053	EA		3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,783.42	223.28
23 61 16 00-0054	EA		3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,916.85	237.23
23 61 16 00-0055	EA		4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,261.41	251.19
23 61 16 00-0056	EA		4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,468.83	258.11

23 61 16 00-0057**Reciprocating Hermetic Type Refrigerant Compressors (23 61 16 00-0041)**

23 61 16 00-0058	EA		5 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	3,200.56	694.88
23 61 16 00-0059	EA		10 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	5,926.78	868.59
23 61 16 00-0060	EA		15 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	9,755.27	1,057.44
23 61 16 00-0061	EA		20 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	12,379.50	1,216.03
23 61 16 00-0062	EA		25 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	13,674.90	1,351.15
23 61 16 00-0063	EA		30 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	15,169.39	1,520.04
23 61 16 00-0064	EA		35 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	19,538.03	1,737.19
23 61 16 00-0065	EA		40 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	24,949.93	1,737.19
23 61 16 00-0066	EA		50 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	30,772.73	2,026.72
23 61 16 00-0067	EA		60 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	34,604.93	2,171.49
23 61 16 00-0068	EA		70 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	36,556.18	2,275.69
23 61 16 00-0069	EA		75 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	37,598.48	2,388.11
23 61 16 00-0070	EA		80 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	38,644.95	2,397.37
23 61 16 00-0071	EA		90 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	40,591.02	2,510.19
23 61 16 00-0072	EA		100 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	42,552.92	2,614.00

23 61 19 Scroll Refrigerant Compressors (23 61)**23 61 19 00-0001 Scroll Refrigerant Compressors (23 61 19)**

23 61 19 00-0002	EA		Up To 3 Ton Scroll Refrigerant Compressor.....	1,366.75	223.02
23 61 19 00-0003	EA		3.5 Ton Scroll Refrigerant Compressor.....	1,435.50	237.37
23 61 19 00-0004	EA		4 Ton Scroll Refrigerant Compressor.....	1,475.44	251.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 19 00-0005 EA 4.5 Ton Scroll Refrigerant Compressor.....	1,505.72	258.23
23 61 19 00-0006 EA 5 Ton Scroll Refrigerant Compressor.....	1,869.35	326.04
23 61 19 00-0007 EA 7.5 Ton Scroll Refrigerant Compressor.....	3,475.92	489.08
23 61 19 00-0008 EA 8.75 Ton Scroll Refrigerant Compressor.....	3,984.01	570.59
23 61 19 00-0009 EA 10 Ton Scroll Refrigerant Compressor.....	4,471.79	652.10
23 61 19 00-0010 EA 12 Ton Scroll Refrigerant Compressor.....	5,400.82	782.52
23 61 19 00-0011 EA 13.5 Ton Scroll Refrigerant Compressor.....	6,341.22	880.33
23 61 19 00-0012 EA 15 Ton Scroll Refrigerant Compressor.....	7,403.22	978.15
23 61 19 00-0013 EA 20 Ton Scroll Refrigerant Compressor.....	10,386.44	1,304.20
23 61 19 00-0014 EA 25 Ton Scroll Refrigerant Compressor.....	11,810.98	1,630.24
23 61 19 00-0015 EA 30 Ton Scroll Refrigerant Compressor.....	12,763.73	1,956.29

23 61 23 Rotary-Screw Refrigerant Compressors (23 61)

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)		
23 61 23 00-0002 EA 75 Ton Refrigerant Compressor, Rotary Screw Type.....	44,124.91	3,322.44
23 61 23 00-0003 EA 80 Ton Refrigerant Compressor, Rotary Screw Type.....	45,448.05	3,363.26
23 61 23 00-0004 EA 90 Ton Refrigerant Compressor, Rotary Screw Type.....	48,313.98	3,444.91
23 61 23 00-0005 EA 100 Ton Refrigerant Compressor, Rotary Screw Type.....	51,151.53	3,526.81
23 61 23 00-0006 EA 110 Ton Refrigerant Compressor, Rotary Screw Type.....	54,767.20	3,639.28
23 61 23 00-0007 EA 120 Ton Refrigerant Compressor, Rotary Screw Type.....	58,079.14	3,720.73
23 61 23 00-0008 EA 130 Ton Refrigerant Compressor, Rotary Screw Type.....	61,311.25	3,768.10
23 61 23 00-0009 EA 140 Ton Refrigerant Compressor, Rotary Screw Type.....	64,674.80	3,884.68
23 61 23 00-0010 EA 150 Ton Refrigerant Compressor, Rotary Screw Type.....	67,990.36	3,966.12
23 61 23 00-0011 EA 170 Ton Refrigerant Compressor, Rotary Screw Type.....	72,645.61	4,074.81
23 61 23 00-0012 EA 185 Ton Refrigerant Compressor, Rotary Screw Type.....	75,906.14	4,118.62
23 61 23 00-0013 EA 200 Ton Refrigerant Compressor, Rotary Screw Type.....	77,433.86	4,186.78
23 61 23 00-0014 EA 215 Ton Refrigerant Compressor, Rotary Screw Type.....	86,867.62	4,469.14
23 61 23 00-0015 EA 225 Ton Refrigerant Compressor, Rotary Screw Type.....	96,154.87	4,710.06

23 62 Packaged Compressor and Condenser Units (23 60)

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)		
Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.		
23 62 13 00-0002 EA 1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	7,285.60	1,205.08
23 62 13 00-0003 EA 5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	15,656.62	1,291.15
23 62 13 00-0004 EA 10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	27,171.83	1,377.23
23 62 13 00-0005 EA 15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	32,126.31	1,463.31
23 62 13 00-0006 EA 20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	38,045.62	1,549.39
23 62 13 00-0007 EA 25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	42,165.69	1,721.54
23 62 13 00-0008 EA 30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	43,294.74	1,829.93
23 62 13 00-0009 EA 40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	46,599.13	2,083.87
23 62 13 00-0010 EA 50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	49,731.49	2,257.53
23 62 13 00-0011 EA 60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	56,957.28	2,431.18
23 62 13 00-0012 EA 75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	64,379.06	2,691.66
23 62 13 00-0013 EA 80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	68,028.97	2,796.62
23 62 13 00-0014 EA 90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	76,760.32	2,971.40
23 62 13 00-0015 EA 100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	83,874.90	3,146.19

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)		
Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.		
23 62 13 00-0017 EA 1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	6,974.02	1,205.08
23 62 13 00-0018 EA 5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	13,883.21	1,291.15
23 62 13 00-0019 EA 10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	21,434.59	1,377.23
23 62 13 00-0020 EA 15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	23,141.51	1,463.31
23 62 13 00-0021 EA 20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	24,848.43	1,549.39
23 62 13 00-0022 EA 25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	29,408.79	1,721.54
23 62 13 00-0023 EA 30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	33,155.96	1,829.93
23 62 13 00-0024 EA 40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	42,426.42	2,083.87
23 62 13 00-0025 EA 50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	47,562.34	2,257.53
23 62 13 00-0026 EA 60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	51,431.91	2,431.18
23 62 13 00-0027 EA 75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	59,167.67	2,691.66
23 62 13 00-0028 EA 80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	62,652.28	2,796.62
23 62 13 00-0029 EA 90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	68,702.01	2,971.40
23 62 13 00-0030 EA 100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	78,282.48	3,146.19

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 62 Packaged Compressor and Condenser Units



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 62 13 00-0031		Packaged Chiller With Remote Air Cooled Condenser ^(23 62 13)		
Note: With remote air cooled condenser rated by cooling capacity. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.				
23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air Cooled Condensers	38,245.13	10,124.93
		<i>For Gas Fired Engine Driven, Add</i>	6,131.06	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air Cooled Condensers	42,742.77	10,672.20
		<i>For Gas Fired Engine Driven, Add</i>	6,948.53	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air Cooled Condensers	49,168.77	11,613.76
		<i>For Gas Fired Engine Driven, Add</i>	8,092.55	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air Cooled Condensers	54,602.68	12,339.70
		<i>For Gas Fired Engine Driven, Add</i>	9,070.51	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air Cooled Condensers	67,213.51	13,616.19
		<i>For Gas Fired Engine Driven, Add</i>	11,401.29	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air Cooled Condensers	73,625.37	14,102.44
		<i>For Gas Fired Engine Driven, Add</i>	12,610.76	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air Cooled Condensers	79,931.71	15,187.25
		<i>For Gas Fired Engine Driven, Add</i>	13,709.39	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air Cooled Condensers	96,036.14	16,249.85
		<i>For Gas Fired Engine Driven, Add</i>	16,740.53	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air Cooled Condensers	97,116.29	16,560.14
		<i>For Gas Fired Engine Driven, Add</i>	16,940.47	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air Cooled Condensers	99,115.04	17,280.22
		<i>For Gas Fired Engine Driven, Add</i>	17,232.27	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air Cooled Condensers	109,355.39	18,065.70
		<i>For Gas Fired Engine Driven, Add</i>	19,162.58	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air Cooled Condensers	120,395.03	18,926.00
		<i>For Gas Fired Engine Driven, Add</i>	21,241.53	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air Cooled Condensers	132,863.63	19,872.25
		<i>For Gas Fired Engine Driven, Add</i>	23,593.38	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air Cooled Condensers	143,345.89	20,918.19
		<i>For Gas Fired Engine Driven, Add</i>	25,533.02	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air Cooled Condensers	157,623.76	22,080.28
		<i>For Gas Fired Engine Driven, Add</i>	28,214.37	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units ^(23 62)

23 62 23 00-0001		Water Cooled Condensing Units ^(23 62 23)		
Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.				
23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,154.71	942.04
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	12,354.22	1,375.78
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	14,121.45	1,491.01
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	17,494.61	1,789.20
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	18,945.27	2,105.03
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	39,592.82	2,987.74
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	49,115.36	3,605.94
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	67,694.52	3,945.46

23 63 Refrigerant Condensers ^(23 60)

23 63 13 Air-Cooled Refrigerant Condensers ^(23 63)

23 63 13 00-0001		Air Cooled Condensing Units ^(23 63 13)		
Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.				
23 63 13 00-0002	EA	6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	5,340.46	942.04
		<i>For >10 To 25, Deduct</i>	-117.41	
		<i>For >25 To 50, Deduct</i>	-195.68	
		<i>For >50, Deduct</i>	-313.09	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	865.48	
		<i>For Winter Start Control, Add</i>	299.23	
23 63 13 00-0003	EA	7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	6,390.71	1,118.25
		<i>For >10 To 25, Deduct</i>	-140.89	
		<i>For >25 To 50, Deduct</i>	-234.82	
		<i>For >50, Deduct</i>	-375.71	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	799.29	
		<i>For Winter Start Control, Add</i>	263.36	
23 63 13 00-0004	EA	10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	8,263.11	1,375.78
		<i>For >10 To 25, Deduct</i>	-185.33	
		<i>For >25 To 50, Deduct</i>	-308.89	
		<i>For >50, Deduct</i>	-494.22	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	953.77	
		<i>For Winter Start Control, Add</i>	332.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0005 EA 12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	10,064.34	1,431.36
<i>For >10 To 25, Deduct</i>	-236.87	
<i>For >25 To 50, Deduct</i>	-394.78	
<i>For >50, Deduct</i>	-631.65	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,094.88	
<i>For Winter Start Control, Add</i>	374.79	
23 63 13 00-0006 EA 15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	11,872.51	1,491.01
<i>For >10 To 25, Deduct</i>	-288.40	
<i>For >25 To 50, Deduct</i>	-480.67	
<i>For >50, Deduct</i>	-769.07	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,141.58	
<i>For Winter Start Control, Add</i>	322.04	
23 63 13 00-0007 EA 20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	15,224.12	1,789.20
<i>For >10 To 25, Deduct</i>	-375.40	
<i>For >25 To 50, Deduct</i>	-625.66	
<i>For >50, Deduct</i>	-1,001.06	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,428.52	
<i>For Winter Start Control, Add</i>	396.22	
23 63 13 00-0008 EA 25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	17,255.04	1,924.75
<i>For >10 To 25, Deduct</i>	-430.24	
<i>For >25 To 50, Deduct</i>	-717.07	
<i>For >50, Deduct</i>	-1,147.31	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,517.20	
<i>For Winter Start Control, Add</i>	434.78	
23 63 13 00-0009 EA 30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	19,726.52	2,100.96
<i>For >10 To 25, Deduct</i>	-496.43	
<i>For >25 To 50, Deduct</i>	-827.38	
<i>For >50, Deduct</i>	-1,323.81	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,622.09	
<i>For Winter Start Control, Add</i>	483.36	
23 63 13 00-0010 EA 40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	26,753.19	2,376.61
<i>For >10 To 25, Deduct</i>	-692.64	
<i>For >25 To 50, Deduct</i>	-1,154.40	
<i>For >50, Deduct</i>	-1,847.04	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,070.71	
<i>For Winter Start Control, Add</i>	597.40	
23 63 13 00-0011 EA 50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	32,541.78	2,987.74
<i>For >10 To 25, Deduct</i>	-838.02	
<i>For >25 To 50, Deduct</i>	-1,396.70	
<i>For >50, Deduct</i>	-2,234.73	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,269.29	
<i>For Winter Start Control, Add</i>	600.44	
23 63 13 00-0012 EA 60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	37,365.80	3,297.55
<i>For >10 To 25, Deduct</i>	-972.44	
<i>For >25 To 50, Deduct</i>	-1,620.73	
<i>For >50, Deduct</i>	-2,593.16	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,534.39	
<i>For Winter Start Control, Add</i>	657.20	
23 63 13 00-0013 EA 80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	48,112.22	3,605.94
<i>For >10 To 25, Deduct</i>	-1,276.54	
<i>For >25 To 50, Deduct</i>	-2,127.56	
<i>For >50, Deduct</i>	-3,404.10	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	3,092.31	
<i>For Winter Start Control, Add</i>	768.86	
23 63 13 00-0014 EA 100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	66,023.50	3,246.77
<i>For >10 To 25, Deduct</i>	-1,782.42	
<i>For >25 To 50, Deduct</i>	-2,970.70	
<i>For >50, Deduct</i>	-4,753.13	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	3,434.78	
<i>For Winter Start Control, Add</i>	958.01	
23 63 13 00-0015 EA 120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	80,904.07	3,356.83
<i>For >10 To 25, Deduct</i>	-2,222.12	
<i>For >25 To 50, Deduct</i>	-3,703.53	
<i>For >50, Deduct</i>	-5,925.65	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	3,930.49	
23 63 13 00-0016 Air Cooled Condensing Units <small>(23 63 13)</small>		
Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.		
23 63 13 00-0017 EA 1.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,115.99	437.77
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-43.78	
<i>For >25 To 50, Deduct</i>	-72.97	
<i>For >50, Deduct</i>	-116.75	
<i>For 15 SEER, Add</i>	350.24	
<i>For 16 SEER, Add</i>	598.33	
<i>For 18 SEER, Add</i>	1,255.04	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 63 Refrigerant Condensers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0018 EA 2 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,281.93	486.64
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-46.57	
For >25 To 50, Deduct	-77.62	
For >50, Deduct	-124.19	
For 15 SEER, Add	372.56	
For 16 SEER, Add	636.46	
For 18 SEER, Add	1,335.00	
23 63 13 00-0019 EA 2.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,428.96	535.31
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-48.79	
For >25 To 50, Deduct	-81.32	
For >50, Deduct	-130.11	
For 15 SEER, Add	390.34	
For 16 SEER, Add	666.82	
For 18 SEER, Add	1,398.70	
23 63 13 00-0020 EA 3 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,777.72	583.68
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-57.07	
For >25 To 50, Deduct	-95.11	
For >50, Deduct	-152.18	
For 15 SEER, Add	456.53	
For 16 SEER, Add	779.90	
For 18 SEER, Add	1,635.89	
23 63 13 00-0021 EA 3.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,946.81	632.63
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-59.95	
For >25 To 50, Deduct	-99.92	
For >50, Deduct	-159.87	
For 15 SEER, Add	479.60	
For 16 SEER, Add	819.32	
For 18 SEER, Add	1,718.56	
23 63 13 00-0022 EA 4 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,275.08	681.30
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-67.61	
For >25 To 50, Deduct	-112.68	
For >50, Deduct	-180.29	
For 15 SEER, Add	540.87	
For 16 SEER, Add	923.99	
For 18 SEER, Add	1,938.13	
23 63 13 00-0023 EA 5 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,681.28	729.60
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-77.61	
For >25 To 50, Deduct	-129.34	
For >50, Deduct	-206.95	
For 15 SEER, Add	620.85	
For 16 SEER, Add	1,060.62	
For 18 SEER, Add	2,224.72	
23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit (23 63 13)		
Note: Includes storage and cleaning.		
23 63 13 00-0025 EA Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit.....	448.44	
23 63 13 00-0026 EA Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit.....	1,681.66	
23 63 13 00-0027 EA Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit.....	2,847.60	

23 64 Packaged Water Chillers (23 60)**23 64 13 Absorption Water Chillers (23 64)****23 64 13 16 Indirect-Fired Absorption Water Chillers (23 64 13)****23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers (23 64 13 16)**

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002 EA 50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	199,734.54	13,813.53
For Two Stage Unit, Add	128,763.35	
23 64 13 16-0003 EA 100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	251,549.78	15,889.85
For Two Stage Unit, Add	163,372.97	
23 64 13 16-0004 EA 150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	317,652.17	17,081.59
For Two Stage Unit, Add	208,691.25	
23 64 13 16-0005 EA 200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	352,545.84	18,273.33
For Two Stage Unit, Add	232,163.43	
23 64 13 16-0006 EA 250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	393,050.89	18,802.99
For Two Stage Unit, Add	260,093.23	
23 64 13 16-0007 EA 300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	442,056.68	19,465.06
For Two Stage Unit, Add	293,867.62	
23 64 13 16-0008 EA 350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	473,723.69	20,127.14
For Two Stage Unit, Add	315,504.87	
23 64 13 16-0009 EA 400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	562,536.22	21,186.47
For Two Stage Unit, Add	376,826.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 13 16-0010 EA 500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	628,880.79 422,737.71	21,848.54
23 64 13 16-0011 EA 650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	760,245.77 514,163.54	22,510.62
23 64 13 16-0012 EA 750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	824,109.44 557,596.92	24,099.60
23 64 13 16-0013 EA 850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	883,373.61 597,916.58	25,556.18
23 64 13 16-0014 EA 950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	946,089.27 641,005.57	26,571.15
23 64 13 16-0015 EA 1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	1,081,890.57 735,496.16	27,219.23
23 64 13 16-0016 EA 1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	1,184,569.66 806,179.07	28,774.63
23 64 13 16-0017 EA 1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	1,382,223.23 943,499.64	30,070.76
23 64 13 16-0018 EA 1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	1,614,210.06 1,105,164.59	30,978.08

23 64 16 Centrifugal Water Chillers (23 64)

23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16)

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002 EA 180 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	150,565.11 5,537.17	7,554.96
23 64 16 16-0003 EA 200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	164,446.36 6,079.97	7,746.30
23 64 16 16-0004 EA 225 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	181,212.39 6,738.11	7,943.20
23 64 16 16-0005 EA 250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	197,611.86 7,373.63	8,261.66
23 64 16 16-0006 EA 275 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	213,683.56 7,986.52	8,728.16
23 64 16 16-0007 EA 300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	229,168.92 8,576.79	9,181.95
23 64 16 16-0008 EA 325 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	244,166.82 9,144.35	9,685.39
23 64 16 16-0009 EA 350 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	258,559.25 9,689.36	10,163.02
23 64 16 16-0010 EA 375 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	272,316.72 10,211.68	10,598.53
23 64 16 16-0011 EA 400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	285,361.27 10,711.36	10,942.41
23 64 16 16-0012 EA 425 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	298,158.40 11,188.42	11,484.53
23 64 16 16-0013 EA 450 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	310,230.96 11,642.85	11,927.59
23 64 16 16-0014 EA 475 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	321,728.52 12,074.65	12,364.96
23 64 16 16-0015 EA 500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	332,502.05 12,483.82	12,703.67
23 64 16 16-0016 EA 550 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	351,985.62 13,234.22	13,154.15
23 64 16 16-0017 EA 600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	368,942.14 13,894.11	13,440.17
23 64 16 16-0018 EA 650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	384,242.02 14,463.42	14,104.50
23 64 16 16-0019 EA 700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	397,295.15 14,942.21	14,778.89

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 64 Packaged Water Chillers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0020 EA 750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	408,197.63 15,330.63	15,520.80
23 64 16 16-0021 EA 800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	433,519.44 16,295.39	16,269.61
23 64 16 16-0022 EA 850 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	458,663.19 17,253.19	17,016.04
23 64 16 16-0023 EA 900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	483,744.80 18,203.89	17,834.11
23 64 16 16-0024 EA 950 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	508,780.07 19,147.43	18,734.80
23 64 16 16-0025 EA 1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	532,626.63 20,083.80	19,211.85
23 64 16 16-0026 EA 1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	578,206.05 21,719.09	22,167.60
23 64 16 16-0027 EA 1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	622,105.38 23,286.63	25,131.78
23 64 16 16-0028 EA 1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	663,412.71 24,786.29	27,532.90
23 64 16 16-0029 EA 1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	701,556.36 26,218.06	29,011.30
23 64 16 16-0030 EA 1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	737,921.38 27,581.75	30,441.34
23 64 16 16-0031 EA 1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	771,735.54 28,878.23	31,323.77
23 64 16 16-0032 EA 1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	805,918.34 30,106.62	33,509.08
23 64 16 16-0033 EA 1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	837,528.77 31,267.13	35,143.66
23 64 16 16-0034 EA 1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	868,214.70 32,359.75	37,264.42
23 64 16 16-0035 EA 2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	895,951.64 33,384.63	38,595.32
23 64 16 16-0036 EA 2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	953,701.48 35,650.02	40,779.98
23 64 16 16-0037 EA 2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	1,005,982.00 37,491.43	43,226.73

23 64 23 Scroll Water Chillers (23 64)

23 64 23 13 Air-Cooled Scroll Water Chillers (23 64 23)

23 64 23 13-0001 Packaged Air Cooled Scroll Water Chillers (23 64 23 13)

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment.

23 64 23 13-0002 EA 10 Ton Packaged Air Cooled Scroll Water Chiller.....	23,895.72	2,138.42
23 64 23 13-0003 EA 15 Ton Packaged Air Cooled Scroll Water Chiller.....	34,657.86	2,165.84
23 64 23 13-0004 EA 18 Ton Packaged Air Cooled Scroll Water Chiller.....	37,801.76	2,316.63
23 64 23 13-0005 EA 22 Ton Packaged Air Cooled Scroll Water Chiller.....	41,550.88	2,481.11
23 64 23 13-0006 EA 25 Ton Packaged Air Cooled Scroll Water Chiller.....	42,291.90	2,645.61
23 64 23 13-0007 EA 30 Ton Packaged Air Cooled Scroll Water Chiller.....	44,654.10	2,837.52
23 64 23 13-0008 EA 40 Ton Packaged Air Cooled Scroll Water Chiller.....	50,966.43	3,070.55
23 64 23 13-0009 EA 45 Ton Packaged Air Cooled Scroll Water Chiller.....	54,745.41	3,331.01
23 64 23 13-0010 EA 50 Ton Packaged Air Cooled Scroll Water Chiller.....	57,766.41	3,426.96
23 64 23 13-0011 EA 55 Ton Packaged Air Cooled Scroll Water Chiller.....	60,331.01	3,577.74
23 64 23 13-0012 EA 60 Ton Packaged Air Cooled Scroll Water Chiller.....	62,359.12	3,701.11
23 64 23 13-0013 EA 70 Ton Packaged Air Cooled Scroll Water Chiller.....	71,888.83	4,167.18
23 64 23 13-0014 EA 80 Ton Packaged Air Cooled Scroll Water Chiller.....	77,428.02	4,564.71
23 64 23 13-0015 EA 90 Ton Packaged Air Cooled Scroll Water Chiller.....	78,797.70	4,578.42
23 64 23 13-0016 EA 100 Ton Packaged Air Cooled Scroll Water Chiller.....	83,237.55	4,592.12
23 64 23 13-0017 EA 110 Ton Packaged Air Cooled Scroll Water Chiller.....	87,555.75	4,605.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 23 13-0018 EA 120 Ton Packaged Air Cooled Scroll Water Chiller.....	91,927.59	4,619.54
23 64 23 13-0019 EA 130 Ton Packaged Air Cooled Scroll Water Chiller.....	96,528.23	4,633.24
 23 64 23 16 Water-Cooled Scroll Water Chillers (23 64 23)		
23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers (23 64 23 16)		
Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 23 16-0002 EA 20 Ton Packaged Water Cooled Scroll Water Chiller	27,048.72	2,528.13
23 64 23 16-0003 EA 25 Ton Packaged Water Cooled Scroll Water Chiller	30,958.86	2,604.49
23 64 23 16-0004 EA 30 Ton Packaged Water Cooled Scroll Water Chiller	34,328.87	2,859.20
23 64 23 16-0005 EA 40 Ton Packaged Water Cooled Scroll Water Chiller	42,111.59	3,525.61
23 64 23 16-0006 EA 50 Ton Packaged Water Cooled Scroll Water Chiller	46,567.53	3,863.71
23 64 23 16-0007 EA 60 Ton Packaged Water Cooled Scroll Water Chiller	49,040.49	4,268.91
 23 64 26 Rotary-Screw Water Chillers (23 64)		
23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)		
23 64 26 13-0001 Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13)		
Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment.		
23 64 26 13-0002 EA 70 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	101,883.64	5,250.10
For Aluminum Fins Instead Of Copper, Deduct		-1,410.23
For 208/230 Voltage Motor Rating, Add		3,760.61
23 64 26 13-0003 EA 80 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	109,516.81	5,702.45
For Aluminum Fins Instead Of Copper, Deduct		-1,514.65
For 208/230 Voltage Motor Rating, Add		4,039.07
23 64 26 13-0004 EA 90 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	115,190.06	5,949.20
For Aluminum Fins Instead Of Copper, Deduct		-1,593.99
For 208/230 Voltage Motor Rating, Add		4,250.65
23 64 26 13-0005 EA 100 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	119,521.12	6,401.56
For Aluminum Fins Instead Of Copper, Deduct		-1,648.88
For 208/230 Voltage Motor Rating, Add		4,397.03
23 64 26 13-0006 EA 110 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	128,221.48	6,716.83
For Aluminum Fins Instead Of Copper, Deduct		-1,772.40
For 208/230 Voltage Motor Rating, Add		4,726.40
23 64 26 13-0007 EA 120 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	136,168.87	6,853.91
For Aluminum Fins Instead Of Copper, Deduct		-1,888.32
For 208/230 Voltage Motor Rating, Add		5,035.52
23 64 26 13-0008 EA 130 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	143,691.45	7,086.94
For Aluminum Fins Instead Of Copper, Deduct		-1,996.02
For 208/230 Voltage Motor Rating, Add		5,322.72
23 64 26 13-0009 EA 140 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	148,263.65	7,237.73
For Aluminum Fins Instead Of Copper, Deduct		-2,061.11
For 208/230 Voltage Motor Rating, Add		5,496.28
23 64 26 13-0010 EA 160 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	156,477.14	7,388.52
For Aluminum Fins Instead Of Copper, Deduct		-2,180.81
For 208/230 Voltage Motor Rating, Add		5,815.50
23 64 26 13-0011 EA 170 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	163,303.28	7,621.55
For Aluminum Fins Instead Of Copper, Deduct		-2,278.06
For 208/230 Voltage Motor Rating, Add		6,074.84
23 64 26 13-0012 EA 180 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	172,166.39	7,923.12
For Aluminum Fins Instead Of Copper, Deduct		-2,404.23
For 208/230 Voltage Motor Rating, Add		6,411.27
23 64 26 13-0013 EA 200 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	179,898.97	8,087.62
For Aluminum Fins Instead Of Copper, Deduct		-2,516.72
For 208/230 Voltage Motor Rating, Add		6,711.25
23 64 26 13-0014 EA 215 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	192,701.87	8,224.70
For Aluminum Fins Instead Of Copper, Deduct		-2,705.47
For 208/230 Voltage Motor Rating, Add		7,214.59
23 64 26 13-0015 EA 225 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	201,200.61	8,306.94
For Aluminum Fins Instead Of Copper, Deduct		-2,831.31
For 208/230 Voltage Motor Rating, Add		7,550.16
23 64 26 13-0016 EA 240 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	209,699.32	8,375.49
For Aluminum Fins Instead Of Copper, Deduct		-2,957.14
For 208/230 Voltage Motor Rating, Add		7,885.72
23 64 26 13-0017 EA 260 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	235,113.25	8,539.98
For Aluminum Fins Instead Of Copper, Deduct		-3,334.65
For 208/230 Voltage Motor Rating, Add		8,892.41
23 64 26 13-0018 EA 280 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	247,929.88	8,704.47
For Aluminum Fins Instead Of Copper, Deduct		-3,523.41
For 208/230 Voltage Motor Rating, Add		9,395.75
23 64 26 13-0019 EA 300 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	264,927.33	8,841.55
For Aluminum Fins Instead Of Copper, Deduct		-3,775.08
For 208/230 Voltage Motor Rating, Add		10,066.87

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 64 Packaged Water Chillers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0020 EA 325 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	290,313.84 -4,152.59 11,073.56	8,992.34
23 64 26 13-0021 EA 350 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	316,269.35 -4,539.25 12,104.65	9,101.99

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002 EA 70 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	75,123.33	5,958.69
23 64 26 16-0003 EA 80 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	81,492.57	6,190.43
23 64 26 16-0004 EA 90 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	87,028.28	6,355.94
23 64 26 16-0005 EA 100 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	91,861.25	6,624.08
23 64 26 16-0006 EA 110 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	96,650.84	6,806.15
23 64 26 16-0007 EA 125 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	102,482.34	6,997.23
23 64 26 16-0008 EA 130 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	123,275.87	7,192.81
23 64 26 16-0009 EA 150 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	113,759.92	7,387.45
23 64 26 16-0010 EA 175 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	122,158.18	7,570.32
23 64 26 16-0011 EA 190 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	126,366.54	7,948.89
23 64 26 16-0012 EA 200 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	137,759.36	8,332.24
23 64 26 16-0013 EA 210 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	139,645.41	8,510.61
23 64 26 16-0014 EA 235 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	151,614.99	8,696.78
23 64 26 16-0015 EA 255 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	161,041.01	9,094.82
23 64 26 16-0016 EA 275 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	169,956.47	9,462.93
23 64 26 16-0017 EA 300 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	180,319.39	9,837.81
23 64 26 16-0018 EA 350 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	197,956.93	10,709.76
23 64 26 16-0019 EA 400 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	212,473.05	11,779.68
23 64 26 16-0020 EA 450 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	223,886.10	12,958.17

23 65 Cooling Towers (23 60)

23 65 13 Forced-Draft Cooling Towers (23 65)

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13 16)

23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers (23 65 13 16-0001)

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003 EA 50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	19,625.53 9,727.37	2,275.50
23 65 13 16-0004 EA 75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	26,923.53 13,662.04	2,782.69
23 65 13 16-0005 EA 100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	33,855.08 16,940.92	3,495.49
23 65 13 16-0006 EA 125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	38,997.67 19,631.69	3,906.73
23 65 13 16-0007 EA 150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	44,546.25 22,483.81	4,400.21
23 65 13 16-0008 EA 175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	50,080.25 25,294.28	4,934.82
23 65 13 16-0009 EA 200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	56,189.56 28,417.03	5,496.83
23 65 13 16-0010 EA 225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	61,477.27 30,915.23	6,195.94
23 65 13 16-0011 EA 250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	67,028.85 33,579.98	6,881.33
23 65 13 16-0012 EA 275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	73,623.93 36,328.00	8,142.45
23 65 13 16-0013 EA 300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	80,080.64 39,346.66	9,019.75
23 65 13 16-0014 EA 325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	84,400.25 41,428.49	9,595.48
23 65 13 16-0015 EA 350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	89,450.44 43,874.65	10,157.50
23 65 13 16-0016 EA 375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	94,322.41 46,320.80	10,650.98
23 65 13 16-0017 EA 400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	99,874.62 49,183.32	11,144.47
23 65 13 16-0018 EA 425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	105,792.24 52,149.94	11,747.61
23 65 13 16-0019 EA 450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	112,476.82 55,584.96	12,350.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0020 EA 475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	118,951.30 58,967.94	12,871.65
23 65 13 16-0021 EA 500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	125,439.49 62,350.92	13,392.55
23 65 13 16-0022 EA 550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	137,607.10 69,116.88	13,954.56
23 65 13 16-0023 EA 600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	150,815.62 76,507.39	14,502.88
23 65 13 16-0024 EA 650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	156,129.87 79,630.14	14,804.46
23 65 13 16-0025 EA 700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	162,485.03 83,377.44	14,996.37
23 65 13 16-0026 EA 750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	170,110.32 87,228.83	15,764.01
23 65 13 16-0027 EA 800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	178,950.00 91,808.87	16,531.64
23 65 13 16-0028 EA 850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	187,899.34 96,388.90	17,367.82
23 65 13 16-0029 EA 900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	198,236.57 101,801.67	18,204.00
23 65 13 16-0030 EA 950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	208,939.19 107,318.53	19,163.55
23 65 13 16-0031 EA 1,000 Ton Centrifugal Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	221,015.98 113,668.12	20,123.10

23 65 14 Induced-Draft Cooling Towers (23 65)

23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)

23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers

(23 65 14 13)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002 EA 10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	10,135.82 1,174.94 2,349.87	1,535.28
23 65 14 13-0003 EA 20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	11,967.16 1,420.85 2,841.70	1,658.64
23 65 14 13-0004 EA 30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	14,272.51 1,721.42 3,442.83	1,864.26
23 65 14 13-0005 EA 40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	15,835.49 1,912.68 3,825.37	2,056.17
23 65 14 13-0006 EA 50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	18,714.73 2,295.22 4,590.44	2,275.50
23 65 14 13-0007 EA 60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	21,715.88 2,706.33 5,412.66	2,453.70
23 65 14 13-0008 EA 75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	24,919.76 3,114.94 6,229.89	2,782.69
23 65 14 13-0009 EA 100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	31,122.67 3,825.37 7,650.74	3,495.49
23 65 14 13-0010 EA 125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	33,966.57 4,153.26 8,306.52	3,906.73
23 65 14 13-0011 EA 150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	51,376.68 6,645.52 13,291.03	4,400.21
23 65 14 13-0012 EA 200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	62,222.54 8,009.21 16,018.41	5,496.83
23 65 14 13-0013 EA 300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	81,110.80 9,991.19 19,982.38	9,019.75

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers

(23 65 14 13)

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015 EA 100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	31,122.67 3,825.37 7,650.74	3,495.49
23 65 14 13-0016 EA 150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	41,380.12 5,146.03 10,292.06	4,400.21

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 65 Cooling Towers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0017 EA 200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	52,546.35 6,557.78 13,115.55	5,496.83
23 65 14 13-0018 EA 250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	62,466.16 7,710.59 15,421.18	6,881.33
23 65 14 13-0019 EA 300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	74,503.06 9,000.03 18,000.05	9,019.75
23 65 14 13-0020 EA 350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	83,074.82 10,012.32 20,024.64	10,157.50
23 65 14 13-0021 EA 400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	92,588.20 11,202.87 22,405.73	11,144.47
23 65 14 13-0022 EA 450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	104,843.43 12,751.23 25,502.46	12,350.76
23 65 14 13-0023 EA 500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	118,066.33 14,481.76 28,963.51	13,392.55
23 65 14 13-0024 EA 550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	126,330.50 15,587.73 31,175.46	14,119.06
23 65 14 13-0025 EA 600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	135,248.71 16,791.81 33,583.62	14,502.88
23 65 14 13-0026 EA 700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	152,856.55 19,400.09 38,800.18	14,996.37
23 65 14 13-0027 EA 800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	167,673.40 21,260.73 42,521.45	16,531.64
23 65 14 13-0028 EA 900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	185,225.10 23,498.70 46,997.39	18,204.00

23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers (23 65 14)

23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers (23 65 14 14)

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment.

23 65 14 14-0002 EA 10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	8,682.90 957.00 1,913.99	1,535.28
23 65 14 14-0003 EA 15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	9,340.10 1,051.47 2,102.93	1,562.69
23 65 14 14-0004 EA 20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	10,161.83 1,141.83 2,283.65	1,699.77
23 65 14 14-0005 EA 25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	11,818.57 1,371.83 2,743.67	1,782.02
23 65 14 14-0006 EA 30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	13,338.43 1,581.30 3,162.61	1,864.26
23 65 14 14-0007 EA 35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	14,830.93 1,782.56 3,565.12	1,960.22
23 65 14 14-0008 EA 40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	16,200.19 1,967.39 3,934.78	2,056.17
23 65 14 14-0009 EA 45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	17,720.08 2,172.75 4,345.51	2,165.84
23 65 14 14-0010 EA 50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	19,212.61 2,369.90 4,739.81	2,275.50
23 65 14 14-0011 EA 60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	22,129.09 2,768.31 5,536.62	2,453.70
23 65 14 14-0012 EA 70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	25,292.06 3,199.58 6,399.15	2,645.61
23 65 14 14-0013 EA 75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	26,770.92 3,392.62 6,785.24	2,782.69
23 65 14 14-0014 EA 80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	28,414.28 3,585.66 7,171.32	3,015.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0015 EA 90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	29,646.90 3,717.09 7,434.19	3,248.75
23 65 14 14-0016 EA 100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	31,961.60 3,951.21 7,902.42	3,495.49
23 65 14 14-0017 EA 125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	33,358.88 4,062.11 8,124.21	3,906.73
23 65 14 14-0018 EA 150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	38,699.33 4,743.91 9,487.83	4,400.21
23 65 14 14-0019 EA 175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	42,780.28 5,228.57 10,457.15	4,934.82
23 65 14 14-0020 EA 200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	45,136.24 5,446.26 10,892.52	5,496.83
23 65 14 14-0021 EA 225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	52,120.02 6,325.22 12,650.44	6,195.94
23 65 14 14-0022 EA 250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	57,173.34 6,916.67 13,833.34	6,881.33
23 65 14 14-0023 EA 275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	61,406.32 7,249.36 14,498.72	8,142.45
23 65 14 14-0024 EA 300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	66,336.82 7,775.09 15,550.18	9,019.75
23 65 14 14-0025 EA 350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	75,772.13 8,916.92 17,833.83	10,157.50
23 65 14 14-0026 EA 400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	83,509.45 9,841.05 19,682.11	11,144.47
23 65 14 14-0027 EA 450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	92,315.11 10,871.98 21,743.97	12,350.76
23 65 14 14-0028 EA 500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	100,572.84 11,857.73 23,715.47	13,392.55
23 65 14 14-0029 EA 600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	114,676.71 13,706.01 27,412.02	14,502.88
23 65 14 14-0030 EA 700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	128,066.72 15,681.61 31,363.23	14,996.37
23 65 14 14-0031 EA 800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	143,074.99 17,570.97 35,141.93	16,531.64
23 65 14 14-0032 EA 900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	157,700.16 19,369.96 38,739.91	18,204.00
23 65 14 14-0033 EA 1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	172,120.40 21,082.69 42,165.39	20,123.10
23 65 14 14-0034 EA 1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	188,072.24 23,247.23 46,494.47	21,096.35
23 65 14 14-0035 EA 1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	203,448.97 25,337.84 50,675.68	22,001.07
23 65 14 14-0036 EA 1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	216,568.53 26,861.64 53,723.29	23,892.74
23 65 14 14-0037 EA 1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	229,332.42 28,299.19 56,598.39	25,921.50
23 65 14 14-0038 EA 1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	241,699.50 29,650.49 59,300.98	28,059.91
23 65 14 14-0039 EA 1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	253,094.08 30,907.32 61,814.64	29,992.73
23 65 14 14-0040 EA 1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	264,338.61 32,073.79 64,147.58	32,199.68
23 65 14 14-0041 EA 1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	275,556.40 33,154.01 66,308.01	34,749.35
23 65 14 14-0042 EA 1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	286,130.78 34,139.75 68,279.51	37,299.00

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 65 Cooling Towers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0043 EA 2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	297,583.16 35,039.25 70,078.50	40,780.79
23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers ^(23 65 14 14)		
Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment.		
23 65 14 14-0045 EA 100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	83,645.62 3,901.27	3,495.49
23 65 14 14-0046 EA 125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	94,785.96 4,425.39	3,879.31
23 65 14 14-0047 EA 150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	103,636.83 4,828.18	4,400.21
23 65 14 14-0048 EA 200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	115,420.35 5,329.63	5,496.83
23 65 14 14-0049 EA 250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	130,968.08 5,995.29	6,881.33
23 65 14 14-0050 EA 300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	150,761.39 6,812.93	9,019.75
23 65 14 14-0051 EA 350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	164,365.97 7,402.00	10,157.50
23 65 14 14-0052 EA 400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	177,723.79 7,991.07	11,144.47
23 65 14 14-0053 EA 500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	205,318.11 9,189.84	13,392.55
23 65 14 14-0054 EA 600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	231,692.09 10,419.44	14,502.88
23 65 14 14-0055 EA 750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	286,319.91 13,013.75	15,764.01
23 65 14 14-0056 EA 1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	371,150.01 16,979.05	20,123.10
23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers ^(23 65 14)		
23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers ^(23 65 14 16)		
Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.		
23 65 14 16-0002 Draw-Thru Stainless Steel Propeller Type Cooling Towers ^(23 65 14 16-0001)		
Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment.		
23 65 14 16-0003 EA 50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	35,383.24	2,275.50
23 65 14 16-0004 EA 75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	50,135.36	2,782.69
23 65 14 16-0005 EA 100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	59,249.40	3,495.49
23 65 14 16-0006 EA 125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	67,146.17	3,906.73
23 65 14 16-0007 EA 150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	73,701.22	4,400.21
23 65 14 16-0008 EA 200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	88,454.61	5,496.83
23 65 14 16-0009 EA 250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	104,251.52	6,881.33
23 65 14 16-0010 EA 300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	123,893.69	9,019.75
23 65 14 16-0011 EA 350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	135,733.50	10,157.50
23 65 14 16-0012 EA 400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	153,752.42	11,144.47
23 65 14 16-0013 EA 500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	178,401.39	13,392.55
23 65 14 16-0014 EA 600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	201,176.73	14,502.88
23 65 14 16-0015 EA 750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	248,204.85	15,764.01
23 65 14 16-0016 EA 1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	315,789.94	19,903.76
23 65 14 16-0017 Belt Driven Stainless Steel Propeller Type Cooling Towers ^(23 65 14 16-0001)		
Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment.		
23 65 14 16-0018 EA 100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	61,663.70	3,495.49
23 65 14 16-0019 EA 125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	66,770.34	3,906.73
23 65 14 16-0020 EA 150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	72,018.16	4,400.21
23 65 14 16-0021 EA 200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	85,272.32	5,496.83
23 65 14 16-0022 EA 250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	94,287.96	6,881.33
23 65 14 16-0023 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers ^(23 65 14 16)		
Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.		
23 65 14 16-0024 EA 5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,576.71	1,425.61
23 65 14 16-0025 EA 8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,816.76	1,494.15
23 65 14 16-0026 EA 10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,510.51	1,535.28
23 65 14 16-0027 EA 15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,150.76	1,562.69
23 65 14 16-0028 EA 20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,908.69	1,699.77
23 65 14 16-0029 EA 25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,358.02	1,782.02
23 65 14 16-0030 EA 30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,381.10	1,864.26
23 65 14 16-0031 EA 40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	10,777.27	2,056.17
23 65 14 16-0032 EA 50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	12,018.99	2,275.50
23 65 14 16-0033 EA 60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,426.86	2,453.70
23 65 14 16-0034 EA 70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	15,409.80	2,645.61



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 16-0035	EA		80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	16,831.74	3,015.72
23 65 14 16-0036	EA		100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	20,420.08	3,495.49
23 65 14 16-0037	EA		125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	25,054.34	3,906.73
23 65 14 16-0038	EA		150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	28,144.26	4,400.21
23 65 14 16-0039	EA		175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	33,988.08	4,934.82
23 65 14 16-0040	EA		200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	37,904.81	5,496.83
23 65 14 16-0041	EA		225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	41,949.60	6,195.94
23 65 14 16-0042	EA		250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	45,824.19	6,881.33
23 65 14 16-0043	EA		300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	55,249.76	9,019.75
23 65 14 16-0044	EA		350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	62,744.87	10,157.50
23 65 14 16-0045	EA		400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	69,667.25	11,144.47
23 65 14 16-0046	EA		500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	84,630.05	13,118.40
23 65 14 16-0047	EA		600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	96,321.71	14,502.88
23 65 14 16-0048	EA		700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	100,189.88	11,144.47
23 65 14 16-0049	EA		800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	116,112.94	16,531.64
23 65 14 16-0050	EA		1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	130,622.28	13,776.37

23 65 43 Cooling Tower Basins and Accessories (23 65)

23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins (23 65 43)

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment.

23 65 43 00-0002	EA		30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,491.70	
			<i>For Anti-Flotation Flanges, Add</i>	115.00	
			<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0003	EA		30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,690.39	
			<i>For Anti-Flotation Flanges, Add</i>	115.00	
			<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0004	EA		36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,649.87	
			<i>For Anti-Flotation Flanges, Add</i>	253.00	
			<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0005	EA		36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,939.50	
			<i>For Anti-Flotation Flanges, Add</i>	253.00	
			<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0006	EA		42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,110.19	
			<i>For Anti-Flotation Flanges, Add</i>	276.00	
			<i>For Perforated Basins, Add</i>	100.00	
23 65 43 00-0007	EA		42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,339.71	
			<i>For Anti-Flotation Flanges, Add</i>	276.00	
			<i>For Perforated Basins, Add</i>	100.00	
23 65 43 00-0008	EA		42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,569.20	
			<i>For Anti-Flotation Flanges, Add</i>	276.00	
			<i>For Perforated Basins, Add</i>	100.00	
23 65 43 00-0009	EA		48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,581.89	
			<i>For Anti-Flotation Flanges, Add</i>	294.00	
			<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0010	EA		48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,847.80	
			<i>For Anti-Flotation Flanges, Add</i>	294.00	
			<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0011	EA		48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	3,253.60	
			<i>For Anti-Flotation Flanges, Add</i>	294.00	
			<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0012	EA		48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	3,662.19	
			<i>For Anti-Flotation Flanges, Add</i>	294.00	
			<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0013	EA		48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	3,922.51	
			<i>For Anti-Flotation Flanges, Add</i>	294.00	
			<i>For Perforated Basins, Add</i>	140.00	

23 70 Central HVAC Equipment (23)

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 71 Thermal Storage (23 70)

23 71 13 Thermal Heat Storage (23 71)

23 71 13 23 Pressurized-Water Thermal Storage Tanks (23 71 13)

23 71 13 23-0001 Nickelshield Storage Tanks (23 71 13 23)

23 71 13 23-0002	EA		325 Gallon Nickelshield Storage Tank.....	28,946.66	260.58
23 71 13 23-0003	EA		490 Gallon Nickelshield Storage Tank.....	40,389.49	345.49
23 71 13 23-0004	EA		605 Gallon Nickelshield Storage Tank.....	46,246.67	417.87
23 71 13 23-0005	EA		740 Gallon Nickelshield Storage Tank.....	54,764.94	522.33
23 71 13 23-0006	EA		940 Gallon Nickelshield Storage Tank.....	63,741.19	694.36
23 71 13 23-0007	EA		1,505 Gallon Nickelshield Storage Tank.....	82,400.18	1,044.80
23 71 13 23-0008	EA		1,615 Gallon Nickelshield Storage Tank.....	93,050.22	1,176.78
23 71 13 23-0009	EA		2,275 Gallon Nickelshield Storage Tank.....	127,767.33	1,563.08
23 71 13 23-0010	EA		3,815 Gallon Nickelshield Storage Tank.....	165,259.84	1,817.14

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 72 Air-To-Air Energy Recovery Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 72 Air-To-Air Energy Recovery Equipment** (23 70)**23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment** (23 72)**23 72 13 00-0001 Enthalpy Recovery Wheel** (23 72 13)

23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	10,659.24	981.13
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	11,871.78	1,177.66
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	14,854.55	1,472.07
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	17,353.97	1,681.84
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	19,160.30	1,766.49
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	23,206.94	1,963.00
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	30,588.70	2,060.90
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	37,943.56	2,208.10
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel	45,883.91	2,523.13
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel	51,600.08	3,238.55
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel	68,865.93	3,680.18
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel	81,926.25	4,416.21

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment (23 72)**23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient** (23 72 16)

23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	18,765.77	736.03
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	29,429.22	981.43
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	43,635.20	1,472.07

23 73 Indoor Central-Station Air-Handling Units (23 70)**23 73 13 Modular Indoor Central-Station Air-Handling Units** (23 73)

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001 Single Zone Units (23 73 13)

Note: Horizontal/vertical draw-thru fan, motor and cabinet.

23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,550.01	696.27
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	205.27	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	380.70	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	566.07	
		<i>For Manual Roll Filter, Add</i>	954.91	
		<i>For Automatic Roll Filter, Add</i>	1,032.68	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	488.30	
		<i>For Electric Heating Coil, Add</i>	799.37	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	799.37	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	721.61	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	643.84	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	516.34	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	954.91	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	877.14	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	643.84	
		<i>For Variable Air Volume, Add</i>	217.75	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,336.26	
		<i>For 2 Coils, Independent Circuits, Add</i>	286.11	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,944.42	835.52
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	334.81	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	633.84	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	944.80	
		<i>For Manual Roll Filter, Add</i>	1,632.74	
		<i>For Automatic Roll Filter, Add</i>	1,770.33	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	807.21	
		<i>For Electric Heating Coil, Add</i>	1,357.56	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,357.56	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,219.97	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,082.38	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	885.16	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,632.74	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,495.15	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,082.38	
		<i>For Variable Air Volume, Add</i>	385.25	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,474.86	
		<i>For 2 Coils, Independent Circuits, Add</i>	449.48	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0004 EA 800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,444.22	897.31
For Flat Filter Box And Throwaway Filters, Add	380.33	
For Medium Capacity Filter Box And Throwaway Filters, Add	722.21	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,076.91	
For Manual Roll Filter, Add	1,867.52	
For Automatic Roll Filter, Add	2,025.64	
For Hot Water Heating Coil, Aluminum Fins, Add	918.79	
For Electric Heating Coil, Add	1,551.27	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,551.27	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,393.15	
For Steam Heating Coil, Aluminum Fins, Add	1,235.03	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,012.82	
For Chilled Water Cooling Coil, Copper Fins, Add	1,867.52	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,709.39	
For Hot Water Heating Coil, Copper Fins, Add	1,235.03	
For Variable Air Volume, Add	442.74	
For Economizer, Panel, Controls And Damper(s), Add	1,537.25	
For 2 Coils, Independent Circuits, Add	507.67	
23 73 13 00-0005 EA 1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,999.26	964.21
For Flat Filter Box And Throwaway Filters, Add	431.04	
For Medium Capacity Filter Box And Throwaway Filters, Add	820.76	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,224.25	
For Manual Roll Filter, Add	2,129.65	
For Automatic Roll Filter, Add	2,310.73	
For Hot Water Heating Coil, Aluminum Fins, Add	1,043.17	
For Electric Heating Coil, Add	1,767.49	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,767.49	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,586.41	
For Steam Heating Coil, Aluminum Fins, Add	1,405.33	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,155.36	
For Chilled Water Cooling Coil, Copper Fins, Add	2,129.65	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,948.57	
For Hot Water Heating Coil, Copper Fins, Add	1,405.33	
For Variable Air Volume, Add	507.02	
For Economizer, Panel, Controls And Damper(s), Add	1,604.36	
For 2 Coils, Independent Circuits, Add	572.36	
23 73 13 00-0006 EA 1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,651.47	1,037.31
For Flat Filter Box And Throwaway Filters, Add	491.14	
For Medium Capacity Filter Box And Throwaway Filters, Add	937.87	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,399.41	
For Manual Roll Filter, Add	2,442.24	
For Automatic Roll Filter, Add	2,650.80	
For Hot Water Heating Coil, Aluminum Fins, Add	1,190.84	
For Electric Heating Coil, Add	2,025.11	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,025.11	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,816.54	
For Steam Heating Coil, Aluminum Fins, Add	1,607.97	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,325.40	
For Chilled Water Cooling Coil, Copper Fins, Add	2,442.24	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,233.67	
For Hot Water Heating Coil, Copper Fins, Add	1,607.97	
For Variable Air Volume, Add	583.98	
For Economizer, Panel, Controls And Damper(s), Add	1,676.11	
For 2 Coils, Independent Circuits, Add	648.57	
23 73 13 00-0007 EA 1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,410.50	1,114.77
For Flat Filter Box And Throwaway Filters, Add	561.43	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,075.08	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,604.65	
For Manual Roll Filter, Add	2,809.16	
For Automatic Roll Filter, Add	3,050.06	
For Hot Water Heating Coil, Aluminum Fins, Add	1,363.75	
For Electric Heating Coil, Add	2,327.36	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,327.36	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,086.46	
For Steam Heating Coil, Aluminum Fins, Add	1,845.56	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,525.03	
For Chilled Water Cooling Coil, Copper Fins, Add	2,809.16	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,568.26	
For Hot Water Heating Coil, Copper Fins, Add	1,845.56	
For Variable Air Volume, Add	674.52	
For Economizer, Panel, Controls And Damper(s), Add	1,754.74	
For 2 Coils, Independent Circuits, Add	737.41	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0008	EA		1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,011.51	1,198.45
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	615.73	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,180.20	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,761.76	
			<i>For Manual Roll Filter, Add</i>	3,087.52	
			<i>For Automatic Roll Filter, Add</i>	3,352.68	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,496.61	
			<i>For Electric Heating Coil, Add</i>	2,557.22	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,557.22	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,292.07	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,026.91	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,676.34	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,087.52	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,822.37	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,026.91	
			<i>For Variable Air Volume, Add</i>	742.43	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,835.92	
			<i>For 2 Coils, Independent Circuits, Add</i>	807.21	
23 73 13 00-0009	EA		1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,665.14	1,291.57
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	674.28	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,293.22	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,930.60	
			<i>For Manual Roll Filter, Add</i>	3,385.71	
			<i>For Automatic Roll Filter, Add</i>	3,676.73	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,639.58	
			<i>For Electric Heating Coil, Add</i>	2,803.66	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,803.66	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,512.64	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,221.62	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,838.36	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,385.71	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,094.69	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,221.62	
			<i>For Variable Air Volume, Add</i>	814.86	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,764.59	
			<i>For 2 Coils, Independent Circuits, Add</i>	882.92	
23 73 13 00-0010	EA		2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,380.73	1,384.70
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	739.16	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,418.97	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,118.57	
			<i>For Manual Roll Filter, Add</i>	3,719.18	
			<i>For Automatic Roll Filter, Add</i>	4,039.31	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,798.44	
			<i>For Electric Heating Coil, Add</i>	3,078.94	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,078.94	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,758.81	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,438.69	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,019.65	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,719.18	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,399.06	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,438.69	
			<i>For Variable Air Volume, Add</i>	896.35	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,838.04	
			<i>For 2 Coils, Independent Circuits, Add</i>	966.12	
23 73 13 00-0011	EA		2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,046.10	1,488.39
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	798.30	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,532.81	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,288.58	
			<i>For Manual Roll Filter, Add</i>	4,018.54	
			<i>For Automatic Roll Filter, Add</i>	4,364.53	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,942.59	
			<i>For Electric Heating Coil, Add</i>	3,326.55	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,326.55	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,980.56	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,634.57	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,182.27	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,018.54	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,672.55	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,634.57	
			<i>For Variable Air Volume, Add</i>	968.78	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,919.44	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,043.01	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0012 EA 2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,757.20	1,601.53
For Flat Filter Box And Throwaway Filters, Add	861.34	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,654.05	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,469.63	
For Manual Roll Filter, Add	4,337.02	
For Automatic Roll Filter, Add	4,710.50	
For Hot Water Heating Coil, Aluminum Fins, Add	2,096.15	
For Electric Heating Coil, Add	3,590.06	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,590.06	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,216.59	
For Steam Heating Coil, Aluminum Fins, Add	2,843.11	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,355.25	
For Chilled Water Cooling Coil, Copper Fins, Add	4,337.02	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,963.54	
For Hot Water Heating Coil, Copper Fins, Add	2,843.11	
For Variable Air Volume, Add	1,045.74	
For Economizer, Panel, Controls And Damper(s), Add	2,008.21	
For 2 Coils, Independent Circuits, Add	1,125.11	
23 73 13 00-0013 EA 3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,346.51	1,853.81
For Flat Filter Box And Throwaway Filters, Add	1,002.24	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,925.03	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,874.31	
For Manual Roll Filter, Add	5,048.89	
For Automatic Roll Filter, Add	5,483.80	
For Hot Water Heating Coil, Aluminum Fins, Add	2,439.40	
For Electric Heating Coil, Add	4,179.06	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,179.06	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,744.14	
For Steam Heating Coil, Aluminum Fins, Add	3,309.23	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,741.90	
For Chilled Water Cooling Coil, Copper Fins, Add	5,048.89	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,613.97	
For Hot Water Heating Coil, Copper Fins, Add	3,309.23	
For Variable Air Volume, Add	1,217.76	
For Economizer, Panel, Controls And Damper(s), Add	2,206.52	
For 2 Coils, Independent Circuits, Add	1,308.62	
23 73 13 00-0014 EA 3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,900.79	1,992.20
For Flat Filter Box And Throwaway Filters, Add	1,047.74	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,010.08	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,000.88	
For Manual Roll Filter, Add	5,264.38	
For Automatic Roll Filter, Add	5,717.08	
For Hot Water Heating Coil, Aluminum Fins, Add	2,548.18	
For Electric Heating Coil, Add	4,358.98	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,358.98	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,906.28	
For Steam Heating Coil, Aluminum Fins, Add	3,453.58	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,858.54	
For Chilled Water Cooling Coil, Copper Fins, Add	5,264.38	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,811.68	
For Hot Water Heating Coil, Copper Fins, Add	3,453.58	
For Variable Air Volume, Add	1,267.56	
For Economizer, Panel, Controls And Damper(s), Add	2,315.73	
For 2 Coils, Independent Circuits, Add	1,371.16	
23 73 13 00-0015 EA 3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,468.32	2,141.03
For Flat Filter Box And Throwaway Filters, Add	1,093.90	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,096.04	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,128.77	
For Manual Roll Filter, Add	5,481.19	
For Automatic Roll Filter, Add	5,951.68	
For Hot Water Heating Coil, Aluminum Fins, Add	2,658.29	
For Electric Heating Coil, Add	4,540.22	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,540.22	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,069.74	
For Steam Heating Coil, Aluminum Fins, Add	3,599.25	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,975.84	
For Chilled Water Cooling Coil, Copper Fins, Add	5,481.19	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,010.71	
For Hot Water Heating Coil, Copper Fins, Add	3,599.25	
For Variable Air Volume, Add	1,317.36	
For Economizer, Panel, Controls And Damper(s), Add	2,432.25	
For 2 Coils, Independent Circuits, Add	1,435.03	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0016	EA		4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,717.94	2,471.75
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,195.18	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,284.40	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	3,408.94	
			<i>For Manual Roll Filter, Add</i>	5,955.38	
			<i>For Automatic Roll Filter, Add</i>	6,464.66	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,899.66	
			<i>For Electric Heating Coil, Add</i>	4,936.80	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,936.80	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	4,427.52	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	3,918.23	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,232.33	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	5,955.38	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	5,446.09	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	3,918.23	
			<i>For Variable Air Volume, Add</i>	1,426.00	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,352.88	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,575.51	
23 73 13 00-0017	EA		4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,717.94	2,471.75
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,195.18	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,284.40	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	3,408.94	
			<i>For Manual Roll Filter, Add</i>	5,955.38	
			<i>For Automatic Roll Filter, Add</i>	6,464.66	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,899.66	
			<i>For Electric Heating Coil, Add</i>	4,936.80	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,936.80	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	4,427.52	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	3,918.23	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,232.33	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	5,955.38	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	5,446.09	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	3,918.23	
			<i>For Variable Air Volume, Add</i>	1,426.00	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,352.88	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,575.51	
23 73 13 00-0018	EA		5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,083.02	2,839.03
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,305.47	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,489.25	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	3,713.60	
			<i>For Manual Roll Filter, Add</i>	6,470.21	
			<i>For Automatic Roll Filter, Add</i>	7,021.54	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	3,162.27	
			<i>For Electric Heating Coil, Add</i>	5,367.57	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	5,367.57	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	4,816.24	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	4,264.92	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,510.77	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	6,470.21	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	5,918.89	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	4,264.92	
			<i>For Variable Air Volume, Add</i>	1,543.71	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,562.62	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,728.83	
23 73 13 00-0019	EA		5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,880.35	3,080.11
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,367.98	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,603.92	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	3,883.87	
			<i>For Manual Roll Filter, Add</i>	6,753.66	
			<i>For Automatic Roll Filter, Add</i>	7,327.62	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	3,309.91	
			<i>For Electric Heating Coil, Add</i>	5,605.74	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	5,605.74	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	5,031.79	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	4,457.83	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,663.81	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	6,753.66	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	6,179.70	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	4,457.83	
			<i>For Variable Air Volume, Add</i>	1,607.08	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,700.47	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,817.62	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	16,659.38 1,429.56 2,717.30 4,052.31 7,035.28 7,631.87 3,455.72 5,842.09 5,842.09 5,245.50 4,648.91 3,815.94 7,035.28 6,438.69 4,648.91 1,670.46 2,831.00 1,904.58	3,309.00
23 73	13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	17,443.92 1,491.42 2,831.07 4,221.31 7,317.45 7,936.68 3,602.08 6,078.99 6,078.99 5,459.76 4,840.53 3,968.34 7,317.45 6,698.22 4,840.53 1,733.84 2,963.74 1,992.08	3,542.25
23 73	13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	18,349.19 1,562.56 2,961.70 4,415.31 7,640.79 8,285.89 3,770.21 6,350.60 6,350.60 5,705.50 5,060.40 4,142.94 7,640.79 6,995.70 5,060.40 1,806.27 3,118.90 2,092.96	3,812.93
23 73	13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	19,270.29 1,634.48 3,093.43 4,610.89 7,965.72 8,636.68 3,939.93 6,623.79 6,623.79 5,952.82 5,281.86 4,318.34 7,965.72 7,294.75 5,281.86 1,878.70 2,935.29 2,195.42	4,085.34

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0024 EA 8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,224.09	4,399.42
For Flat Filter Box And Throwaway Filters, Add	1,708.04	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,227.46	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,809.75	
For Manual Roll Filter, Add	8,293.92	
For Automatic Roll Filter, Add	8,990.75	
For Hot Water Heating Coil, Aluminum Fins, Add	4,112.91	
For Electric Heating Coil, Add	6,900.25	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,900.25	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,203.42	
For Steam Heating Coil, Aluminum Fins, Add	5,506.58	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,495.38	
For Chilled Water Cooling Coil, Copper Fins, Add	8,293.92	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,597.09	
For Hot Water Heating Coil, Copper Fins, Add	5,506.58	
For Variable Air Volume, Add	1,951.14	
For Economizer, Panel, Controls And Damper(s), Add	3,066.22	
For 2 Coils, Independent Circuits, Add	2,301.14	
23 73 13 00-0025 EA 9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,312.91	4,765.94
For Flat Filter Box And Throwaway Filters, Add	1,791.58	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,379.34	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,035.04	
For Manual Roll Filter, Add	8,664.72	
For Automatic Roll Filter, Add	9,390.66	
For Hot Water Heating Coil, Aluminum Fins, Add	4,309.10	
For Electric Heating Coil, Add	7,212.85	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,212.85	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,486.91	
For Steam Heating Coil, Aluminum Fins, Add	5,760.97	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,695.33	
For Chilled Water Cooling Coil, Copper Fins, Add	8,664.72	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,938.78	
For Hot Water Heating Coil, Copper Fins, Add	5,760.97	
For Variable Air Volume, Add	2,032.62	
For Economizer, Panel, Controls And Damper(s), Add	3,218.25	
For 2 Coils, Independent Circuits, Add	2,421.67	
23 73 13 00-0026 EA 10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	22,371.73	5,088.47
For Flat Filter Box And Throwaway Filters, Add	1,873.63	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,529.12	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,257.33	
For Manual Roll Filter, Add	9,032.52	
For Automatic Roll Filter, Add	9,787.56	
For Hot Water Heating Coil, Aluminum Fins, Add	4,502.29	
For Electric Heating Coil, Add	7,522.44	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,522.44	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,767.40	
For Steam Heating Coil, Aluminum Fins, Add	6,012.37	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,893.78	
For Chilled Water Cooling Coil, Copper Fins, Add	9,032.52	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,277.48	
For Hot Water Heating Coil, Copper Fins, Add	6,012.37	
For Variable Air Volume, Add	2,114.11	
For Economizer, Panel, Controls And Damper(s), Add	3,361.29	
For 2 Coils, Independent Circuits, Add	2,539.19	
23 73 13 00-0027 EA 11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	22,406.37	4,926.96
For Flat Filter Box And Throwaway Filters, Add	1,889.91	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,569.38	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,319.00	
For Manual Roll Filter, Add	9,166.94	
For Automatic Roll Filter, Add	9,936.53	
For Hot Water Heating Coil, Aluminum Fins, Add	4,549.41	
For Electric Heating Coil, Add	7,627.76	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,627.76	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,858.17	
For Steam Heating Coil, Aluminum Fins, Add	6,088.58	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,968.27	
For Chilled Water Cooling Coil, Copper Fins, Add	9,166.94	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,397.35	
For Hot Water Heating Coil, Copper Fins, Add	6,088.58	
For Variable Air Volume, Add	2,154.85	
For Economizer, Panel, Controls And Damper(s), Add	3,284.37	
For 2 Coils, Independent Circuits, Add	2,548.47	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0028 EA 12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....23,490.24	23,490.24	5,466.32
For Flat Filter Box And Throwaway Filters, Add	1,958.65	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,683.08	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,485.59	
For Manual Roll Filter, Add	9,406.29	
For Automatic Roll Filter, Add	10,190.43	
For Hot Water Heating Coil, Aluminum Fins, Add	4,701.45	
For Electric Heating Coil, Add	7,838.01	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,838.01	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,053.87	
For Steam Heating Coil, Aluminum Fins, Add	6,269.73	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,095.21	
For Chilled Water Cooling Coil, Copper Fins, Add	9,406.29	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,622.15	
For Hot Water Heating Coil, Copper Fins, Add	6,269.73	
For Variable Air Volume, Add	2,195.59	
For Economizer, Panel, Controls And Damper(s), Add	3,522.23	
For 2 Coils, Independent Circuits, Add	2,662.68	
23 73 13 00-0029 EA 13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....24,707.28	24,707.28	5,685.89
For Flat Filter Box And Throwaway Filters, Add	2,066.39	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,890.18	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,794.84	
For Manual Roll Filter, Add	9,949.98	
For Automatic Roll Filter, Add	10,781.00	
For Hot Water Heating Coil, Aluminum Fins, Add	4,963.81	
For Electric Heating Coil, Add	8,287.92	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,287.92	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,456.89	
For Steam Heating Coil, Aluminum Fins, Add	6,625.87	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,390.50	
For Chilled Water Cooling Coil, Copper Fins, Add	9,949.98	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,118.95	
For Hot Water Heating Coil, Copper Fins, Add	6,625.87	
For Variable Air Volume, Add	2,326.88	
For Economizer, Panel, Controls And Damper(s), Add	3,017.35	
For 2 Coils, Independent Circuits, Add	2,803.14	
23 73 13 00-0030 EA 15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....26,001.97	26,001.97	5,906.09
For Flat Filter Box And Throwaway Filters, Add	2,178.01	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,102.71	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,111.85	
For Manual Roll Filter, Add	10,501.42	
For Automatic Roll Filter, Add	11,379.34	
For Hot Water Heating Coil, Aluminum Fins, Add	5,233.94	
For Electric Heating Coil, Add	8,745.60	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,745.60	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,867.68	
For Steam Heating Coil, Aluminum Fins, Add	6,989.77	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,689.67	
For Chilled Water Cooling Coil, Copper Fins, Add	10,501.42	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,623.51	
For Hot Water Heating Coil, Copper Fins, Add	6,989.77	
For Variable Air Volume, Add	2,458.16	
For Economizer, Panel, Controls And Damper(s), Add	3,088.74	
For 2 Coils, Independent Circuits, Add	2,951.36	
23 73 13 00-0031 EA 16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....27,353.91	27,353.91	6,133.24
For Flat Filter Box And Throwaway Filters, Add	2,298.96	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,336.07	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,460.46	
For Manual Roll Filter, Add	11,116.80	
For Automatic Roll Filter, Add	12,048.07	
For Hot Water Heating Coil, Aluminum Fins, Add	5,529.20	
For Electric Heating Coil, Add	9,254.27	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,254.27	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,323.00	
For Steam Heating Coil, Aluminum Fins, Add	7,391.73	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,024.04	
For Chilled Water Cooling Coil, Copper Fins, Add	11,116.80	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,185.54	
For Hot Water Heating Coil, Copper Fins, Add	7,391.73	
For Variable Air Volume, Add	2,607.55	
For Economizer, Panel, Controls And Damper(s), Add	3,145.71	
For 2 Coils, Independent Circuits, Add	3,107.90	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0032	EA		17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 28,775.23		6,360.64
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,423.38	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	4,574.28	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	6,816.01	
			<i>For Manual Roll Filter, Add</i>	11,739.12	
			<i>For Automatic Roll Filter, Add</i>	12,723.74	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	5,831.39	
			<i>For Electric Heating Coil, Add</i>	9,769.88	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	9,769.88	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	8,785.26	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	7,800.63	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	6,361.87	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	11,739.12	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	10,754.50	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	7,800.63	
			<i>For Variable Air Volume, Add</i>	2,756.94	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,216.56	
			<i>For 2 Coils, Independent Circuits, Add</i>	3,271.37	
23 73 13 00-0033	EA		20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 31,994.35		6,819.06
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,712.07	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	5,131.71	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	8,761.18	
			<i>For Manual Roll Filter, Add</i>	12,543.16	
			<i>For Automatic Roll Filter, Add</i>	13,210.57	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	5,424.13	
			<i>For Electric Heating Coil, Add</i>	5,869.07	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	9,873.52	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	8,761.18	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	7,648.83	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	6,049.11	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	12,098.22	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	10,985.87	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	8,761.18	
			<i>For Variable Air Volume, Add</i>	3,114.57	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,440.79	
			<i>For 2 Coils, Independent Circuits, Add</i>	3,644.37	
23 73 13 00-0034	EA		22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 35,435.23		7,349.10
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	3,016.69	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	5,717.27	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	9,768.15	
			<i>For Manual Roll Filter, Add</i>	14,000.89	
			<i>For Automatic Roll Filter, Add</i>	14,747.84	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	6,033.37	
			<i>For Electric Heating Coil, Add</i>	6,531.34	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	11,013.07	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	9,768.15	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	8,523.22	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	6,751.46	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	13,502.92	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	12,257.99	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	9,768.15	
			<i>For Variable Air Volume, Add</i>	3,485.79	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,578.93	
			<i>For 2 Coils, Independent Circuits, Add</i>	4,041.49	
23 73 13 00-0035	EA		25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 39,163.27		7,874.41
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	3,353.45	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	6,369.17	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	10,892.75	
			<i>For Manual Roll Filter, Add</i>	15,636.73	
			<i>For Automatic Roll Filter, Add</i>	16,473.90	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	6,706.90	
			<i>For Electric Heating Coil, Add</i>	7,265.01	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	12,288.04	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	10,892.75	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	9,497.47	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	7,539.31	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	15,078.61	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	13,683.33	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	10,892.75	
			<i>For Variable Air Volume, Add</i>	3,906.80	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,705.07	
			<i>For 2 Coils, Independent Circuits, Add</i>	4,474.44	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0036 EA 27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	47,809.01 4,175.38 7,987.45 13,705.55 19,774.32 20,845.28 8,350.76 9,064.73 15,490.48 13,705.55 11,920.62 9,530.17 19,060.35 17,275.41 13,705.55 4,997.81 3,854.32 5,494.87	8,480.54
23 73 13 00-0037 EA 30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	53,276.42 4,681.57 8,975.49 15,416.38 22,276.72 23,487.37 9,363.14 10,170.24 17,434.13 15,416.38 13,398.63 10,734.81 21,469.62 19,451.87 15,416.38 5,649.69 3,703.22 6,134.74	9,051.72
23 73 13 00-0038 EA 32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	58,314.79 5,135.99 9,853.63 16,930.71 24,478.18 25,810.09 10,271.17 11,159.11 19,150.55 16,930.71 14,710.86 11,795.12 23,590.24 21,370.40 16,930.71 6,215.57 3,852.68 6,719.42	9,747.37
23 73 13 00-0039 EA 35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	63,948.57 5,638.77 10,823.90 18,601.58 26,902.16 28,366.96 11,277.55 12,254.09 21,042.93 18,601.58 16,160.24 12,962.81 25,925.62 23,484.27 18,601.58 6,835.77 4,033.25 7,371.40	11,147.31

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0040	EA		37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 68,771.07	68,771.07	11,227.43
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	6,075.53	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	11,670.11	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	20,061.99	
			<i>For Manual Roll Filter, Add</i>	29,027.71	
			<i>For Automatic Roll Filter, Add</i>	30,609.89	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	12,151.06	
			<i>For Electric Heating Coil, Add</i>	13,205.85	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	22,698.96	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	20,061.99	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	17,425.01	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	13,986.46	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	27,972.92	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	25,335.94	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	20,061.99	
			<i>For Variable Air Volume, Add</i>	7,383.53	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,169.73	
			<i>For 2 Coils, Independent Circuits, Add</i>	7,931.90	
23 73 13 00-0041	EA		40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 74,158.62	74,158.62	12,010.61
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	6,555.09	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	12,593.71	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	21,651.65	
			<i>For Manual Roll Filter, Add</i>	31,331.99	
			<i>For Automatic Roll Filter, Add</i>	33,040.28	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	13,110.18	
			<i>For Electric Heating Coil, Add</i>	14,249.04	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	24,498.81	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	21,651.65	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	18,804.49	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	15,096.56	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	30,193.13	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	27,345.97	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	21,651.65	
			<i>For Variable Air Volume, Add</i>	7,972.04	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,981.93	
			<i>For 2 Coils, Independent Circuits, Add</i>	8,554.73	
23 73 13 00-0042	EA		45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 80,029.05	80,029.05	12,968.10
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	7,076.58	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	13,597.36	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	23,378.53	
			<i>For Manual Roll Filter, Add</i>	33,833.96	
			<i>For Automatic Roll Filter, Add</i>	35,679.03	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	14,153.16	
			<i>For Electric Heating Coil, Add</i>	15,383.21	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	26,453.66	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	23,378.53	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	20,303.41	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	16,301.95	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	32,603.91	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	29,528.78	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	23,378.53	
			<i>For Variable Air Volume, Add</i>	8,610.35	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,145.82	
			<i>For 2 Coils, Independent Circuits, Add</i>	9,232.96	
23 73 13 00-0043	EA		47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 83,384.51	83,384.51	13,577.21
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	7,370.46	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	14,160.12	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	24,344.62	
			<i>For Manual Roll Filter, Add</i>	35,228.82	
			<i>For Automatic Roll Filter, Add</i>	37,149.56	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	14,740.92	
			<i>For Electric Heating Coil, Add</i>	16,021.41	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	27,545.86	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	24,344.62	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	21,143.39	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	16,974.16	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	33,948.32	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	30,747.09	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	24,344.62	
			<i>For Variable Air Volume, Add</i>	8,963.46	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,249.98	
			<i>For 2 Coils, Independent Circuits, Add</i>	9,618.94	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	86,543.49 7,648.05 14,692.32 25,258.73 36,549.71 38,542.23 15,296.10 16,624.45 28,579.61 25,258.73 21,937.85 17,610.68 35,221.36 31,900.48 25,258.73 9,298.45 4,345.75 9,982.70	14,099.41
23 73	13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	93,272.16 8,251.25 15,856.93 27,265.44 39,463.44 41,616.03 16,502.51 17,937.57 30,853.09 27,265.44 23,677.80 19,014.19 38,028.38 34,440.73 27,265.44 10,045.41 4,519.91 10,762.27	15,056.77
23 73	13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	101,923.79 9,041.14 17,391.55 29,917.15 43,330.00 45,696.97 18,082.29 19,660.27 33,862.11 29,917.15 25,972.20 20,876.01 41,752.02 37,807.06 29,917.15 11,045.87 4,202.47 11,770.36	16,101.18
23 73	13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	111,655.69 9,922.24 19,098.47 32,862.82 47,616.95 50,220.62 19,844.47 21,580.25 37,202.27 32,862.82 28,523.37 22,940.59 45,881.17 41,541.72 32,862.82 12,150.46 4,386.67 12,901.35	17,406.67

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0048	EA		70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	122,516.27 10,900.18 20,989.49 36,123.46 52,356.30 55,220.92 21,800.36 23,710.11 40,897.82 36,123.46 31,349.09 25,223.28 50,446.56 45,672.19 36,123.46 13,368.22 4,602.90 14,161.37	18,886.24
23 73 13 00-0049 Multi-Zone Units <small>(23 73 13)</small>					
Note: Horizontal/vertical blow-thru fan, motor and cabinet.					
23 73 13 00-0050	EA		1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	7,410.93 2,206.05 629.23 1,191.35 1,517.15 3,069.26 3,069.26 741.09 844.57 2,551.89 2,551.89 3,069.26 3,069.26 844.57	1,566.35
23 73 13 00-0051	EA		1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	9,238.26 2,602.42 783.65 1,483.20 1,889.05 3,819.49 3,819.49 923.83 1,052.52 3,176.01 3,176.01 3,819.49 3,819.49 1,052.52	1,962.36
23 73 13 00-0052	EA		1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	11,326.01 2,728.38 983.43 1,877.36 2,383.99 4,886.78 4,886.78 1,132.60 1,299.45 4,052.51 4,052.51 4,886.78 4,886.78 1,299.45	2,088.55
23 73 13 00-0053	EA		2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	11,795.48 2,875.93 1,019.84 1,943.85 2,469.74 5,050.13 5,050.13 1,179.55 1,351.57 4,190.00 4,190.00 5,050.13 5,050.13 1,351.57	2,236.51



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0054 EA 2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,740.25	2,397.52
For Economizer, Panel, Controls And Damper(s), Add	3,037.61	
For Flat Filter Box And Throwaway Filters, Add	1,202.77	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,302.78	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,921.29	
For Manual Roll Filter, Add	6,015.82	
For Automatic Roll Filter, Add	6,015.82	
For Hot Water Heating Coil, Aluminum Fins, Add	1,374.03	
For Electric Heating Coil, Add	1,580.33	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,984.31	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,984.31	
For Chilled Water Cooling Coil, Copper Fins, Add	6,015.82	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,015.82	
For 2 Coils, Independent Circuits, Add	1,580.33	
23 73 13 00-0055 EA 3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	14,500.11	2,567.48
For Economizer, Panel, Controls And Damper(s), Add	3,207.36	
For Flat Filter Box And Throwaway Filters, Add	1,266.63	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,423.23	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,074.88	
For Manual Roll Filter, Add	6,324.62	
For Automatic Roll Filter, Add	6,324.62	
For Hot Water Heating Coil, Aluminum Fins, Add	1,450.01	
For Electric Heating Coil, Add	1,666.66	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,241.37	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,241.37	
For Chilled Water Cooling Coil, Copper Fins, Add	6,324.62	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,324.62	
For 2 Coils, Independent Circuits, Add	1,666.66	
23 73 13 00-0056 EA 3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,298.19	2,741.43
For Economizer, Panel, Controls And Damper(s), Add	3,381.21	
For Flat Filter Box And Throwaway Filters, Add	1,334.02	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,550.56	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,237.14	
For Manual Roll Filter, Add	6,651.80	
For Automatic Roll Filter, Add	6,651.80	
For Hot Water Heating Coil, Aluminum Fins, Add	1,529.82	
For Electric Heating Coil, Add	1,757.46	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,513.58	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,513.58	
For Chilled Water Cooling Coil, Copper Fins, Add	6,651.80	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,651.80	
For 2 Coils, Independent Circuits, Add	1,757.46	
23 73 13 00-0057 EA 4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,030.64	2,941.73
For Economizer, Panel, Controls And Damper(s), Add	3,056.35	
For Flat Filter Box And Throwaway Filters, Add	1,493.40	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,860.99	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,628.65	
For Manual Roll Filter, Add	7,479.84	
For Automatic Roll Filter, Add	7,479.84	
For Hot Water Heating Coil, Aluminum Fins, Add	1,703.06	
For Electric Heating Coil, Add	1,959.81	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,196.11	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,196.11	
For Chilled Water Cooling Coil, Copper Fins, Add	7,479.84	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,479.84	
For 2 Coils, Independent Circuits, Add	1,959.81	
23 73 13 00-0058 EA 4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	18,599.12	3,150.36
For Economizer, Panel, Controls And Damper(s), Add	3,225.42	
For Flat Filter Box And Throwaway Filters, Add	1,634.87	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,134.73	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,974.67	
For Manual Roll Filter, Add	8,204.17	
For Automatic Roll Filter, Add	8,204.17	
For Hot Water Heating Coil, Aluminum Fins, Add	1,859.91	
For Electric Heating Coil, Add	2,141.88	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,794.34	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,794.34	
For Chilled Water Cooling Coil, Copper Fins, Add	8,204.17	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,204.17	
For 2 Coils, Independent Circuits, Add	2,141.88	
23 73 13 00-0059 EA 5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,670.30	3,364.71
For Economizer, Panel, Controls And Damper(s), Add	3,387.73	
For Flat Filter Box And Throwaway Filters, Add	1,727.24	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,310.60	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,198.19	
For Manual Roll Filter, Add	8,660.52	
For Automatic Roll Filter, Add	8,660.52	
For Hot Water Heating Coil, Aluminum Fins, Add	1,967.03	
For Electric Heating Coil, Add	2,264.52	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,173.08	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,173.08	
For Chilled Water Cooling Coil, Copper Fins, Add	8,660.52	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,660.52	
For 2 Coils, Independent Circuits, Add	2,264.52	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0060 EA 5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,661.28	3,594.73
For Economizer, Panel, Controls And Damper(s), Add	3,575.76	
For Flat Filter Box And Throwaway Filters, Add	1,909.24	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,664.35	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,644.66	
For Manual Roll Filter, Add	9,601.72	
For Automatic Roll Filter, Add	9,601.72	
For Hot Water Heating Coil, Aluminum Fins, Add	2,166.13	
For Electric Heating Coil, Add	2,496.60	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,949.37	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,949.37	
For Chilled Water Cooling Coil, Copper Fins, Add	9,601.72	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,601.72	
For 2 Coils, Independent Circuits, Add	2,496.60	
23 73 13 00-0061 EA 6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,053.68	3,847.13
For Economizer, Panel, Controls And Damper(s), Add	3,772.47	
For Flat Filter Box And Throwaway Filters, Add	2,030.60	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,896.33	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,939.11	
For Manual Roll Filter, Add	10,206.59	
For Automatic Roll Filter, Add	10,206.59	
For Hot Water Heating Coil, Aluminum Fins, Add	2,305.37	
For Electric Heating Coil, Add	2,656.53	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,450.77	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,450.77	
For Chilled Water Cooling Coil, Copper Fins, Add	10,206.59	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,206.59	
For 2 Coils, Independent Circuits, Add	2,656.53	
23 73 13 00-0062 EA 6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	25,267.64	4,177.60
For Economizer, Panel, Controls And Damper(s), Add	4,029.78	
For Flat Filter Box And Throwaway Filters, Add	2,228.60	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,278.31	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,422.43	
For Manual Roll Filter, Add	11,213.75	
For Automatic Roll Filter, Add	11,213.75	
For Hot Water Heating Coil, Aluminum Fins, Add	2,526.76	
For Electric Heating Coil, Add	2,912.85	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,283.31	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,283.31	
For Chilled Water Cooling Coil, Copper Fins, Add	11,213.75	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,213.75	
For 2 Coils, Independent Circuits, Add	2,912.85	
23 73 13 00-0063 EA 7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	27,152.67	4,499.75
For Economizer, Panel, Controls And Damper(s), Add	4,284.02	
For Flat Filter Box And Throwaway Filters, Add	2,393.99	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,595.22	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,824.34	
For Manual Roll Filter, Add	12,042.50	
For Automatic Roll Filter, Add	12,042.50	
For Hot Water Heating Coil, Aluminum Fins, Add	2,715.27	
For Electric Heating Coil, Add	3,129.81	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,969.78	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,969.78	
For Chilled Water Cooling Coil, Copper Fins, Add	12,042.50	
For Direct Expansion Cooling Coil, Copper Fins, Add	12,042.50	
For 2 Coils, Independent Circuits, Add	3,129.81	
23 73 13 00-0064 EA 7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	28,536.56	4,865.17
For Economizer, Panel, Controls And Damper(s), Add	3,714.52	
For Flat Filter Box And Throwaway Filters, Add	2,506.84	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,805.59	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,093.69	
For Manual Roll Filter, Add	12,573.77	
For Automatic Roll Filter, Add	12,573.77	
For Hot Water Heating Coil, Aluminum Fins, Add	2,853.66	
For Electric Heating Coil, Add	3,285.66	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,413.74	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,413.74	
For Chilled Water Cooling Coil, Copper Fins, Add	12,573.77	
For Direct Expansion Cooling Coil, Copper Fins, Add	12,573.77	
For 2 Coils, Independent Circuits, Add	3,285.66	
23 73 13 00-0065 EA 8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	31,623.69	5,247.86
For Economizer, Panel, Controls And Damper(s), Add	3,940.50	
For Flat Filter Box And Throwaway Filters, Add	2,787.31	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,349.57	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,780.73	
For Manual Roll Filter, Add	14,017.46	
For Automatic Roll Filter, Add	14,017.46	
For Hot Water Heating Coil, Aluminum Fins, Add	3,162.37	
For Electric Heating Coil, Add	3,644.82	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,605.22	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,605.22	
For Chilled Water Cooling Coil, Copper Fins, Add	14,017.46	
For Direct Expansion Cooling Coil, Copper Fins, Add	14,017.46	
For 2 Coils, Independent Circuits, Add	3,644.82	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0066 EA 8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	33,340.91	5,656.92
For Economizer, Panel, Controls And Damper(s), Add	4,174.69	
For Flat Filter Box And Throwaway Filters, Add	2,929.75	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,616.91	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,122.22	
For Manual Roll Filter, Add	14,698.47	
For Automatic Roll Filter, Add	14,698.47	
For Hot Water Heating Coil, Aluminum Fins, Add	3,334.09	
For Electric Heating Coil, Add	3,839.17	
For Chilled Water Cooling Coil, Aluminum Fins, Add	12,173.05	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,173.05	
For Chilled Water Cooling Coil, Copper Fins, Add	14,698.47	
For Direct Expansion Cooling Coil, Copper Fins, Add	14,698.47	
For 2 Coils, Independent Circuits, Add	3,839.17	
23 73 13 00-0067 EA 9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	35,240.42	6,127.15
For Economizer, Panel, Controls And Damper(s), Add	4,430.06	
For Flat Filter Box And Throwaway Filters, Add	3,087.78	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,913.81	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,501.33	
For Manual Roll Filter, Add	15,455.91	
For Automatic Roll Filter, Add	15,455.91	
For Hot Water Heating Coil, Aluminum Fins, Add	3,524.04	
For Electric Heating Coil, Add	4,054.35	
For Chilled Water Cooling Coil, Aluminum Fins, Add	12,804.39	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,804.39	
For Chilled Water Cooling Coil, Copper Fins, Add	15,455.91	
For Direct Expansion Cooling Coil, Copper Fins, Add	15,455.91	
For 2 Coils, Independent Circuits, Add	4,054.35	
23 73 13 00-0068 EA 10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	37,296.05	6,614.16
For Economizer, Panel, Controls And Damper(s), Add	4,016.50	
For Flat Filter Box And Throwaway Filters, Add	3,256.85	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,230.06	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,905.76	
For Manual Roll Filter, Add	16,258.07	
For Automatic Roll Filter, Add	16,258.07	
For Hot Water Heating Coil, Aluminum Fins, Add	3,729.61	
For Electric Heating Coil, Add	4,286.43	
For Chilled Water Cooling Coil, Aluminum Fins, Add	13,473.97	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,473.97	
For Chilled Water Cooling Coil, Copper Fins, Add	16,258.07	
For Direct Expansion Cooling Coil, Copper Fins, Add	16,258.07	
For 2 Coils, Independent Circuits, Add	4,286.43	
23 73 13 00-0069 EA 11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	38,369.29	6,866.93
For Economizer, Panel, Controls And Damper(s), Add	4,129.91	
For Flat Filter Box And Throwaway Filters, Add	3,345.28	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,395.56	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,117.37	
For Manual Roll Filter, Add	16,678.24	
For Automatic Roll Filter, Add	16,678.24	
For Hot Water Heating Coil, Aluminum Fins, Add	3,836.93	
For Electric Heating Coil, Add	4,407.65	
For Chilled Water Cooling Coil, Aluminum Fins, Add	13,824.62	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,824.62	
For Chilled Water Cooling Coil, Copper Fins, Add	16,678.24	
For Direct Expansion Cooling Coil, Copper Fins, Add	16,678.24	
For 2 Coils, Independent Circuits, Add	4,407.65	
23 73 13 00-0070 EA 12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	39,385.74	7,111.99
For Economizer, Panel, Controls And Damper(s), Add	4,226.28	
For Flat Filter Box And Throwaway Filters, Add	3,430.86	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,557.09	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,323.29	
For Manual Roll Filter, Add	17,092.74	
For Automatic Roll Filter, Add	17,092.74	
For Hot Water Heating Coil, Aluminum Fins, Add	3,938.57	
For Electric Heating Coil, Add	4,523.20	
For Chilled Water Cooling Coil, Aluminum Fins, Add	14,169.59	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,169.59	
For Chilled Water Cooling Coil, Copper Fins, Add	17,092.74	
For Direct Expansion Cooling Coil, Copper Fins, Add	17,092.74	
For 2 Coils, Independent Circuits, Add	4,523.20	
23 73 13 00-0071 EA 13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	44,355.07	7,397.83
For Economizer, Panel, Controls And Damper(s), Add	3,519.32	
For Flat Filter Box And Throwaway Filters, Add	3,905.68	
For Medium Capacity Filter Box And Throwaway Filters, Add	7,493.46	
For Combination Filter Mixing Box And Throwaway Filters, Add	9,499.28	
For Manual Roll Filter, Add	19,626.82	
For Automatic Roll Filter, Add	19,626.82	
For Hot Water Heating Coil, Aluminum Fins, Add	4,435.51	
For Electric Heating Coil, Add	5,110.68	
For Chilled Water Cooling Coil, Aluminum Fins, Add	16,250.97	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,250.97	
For Chilled Water Cooling Coil, Copper Fins, Add	19,626.82	
For Direct Expansion Cooling Coil, Copper Fins, Add	19,626.82	
For 2 Coils, Independent Circuits, Add	5,110.68	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0072 EA 15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	49,277.61	7,690.90
For Economizer, Panel, Controls And Damper(s), Add	3,658.62	
For Flat Filter Box And Throwaway Filters, Add	4,378.15	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,426.54	
For Combination Filter Mixing Box And Throwaway Filters, Add	10,670.58	
For Manual Roll Filter, Add	22,156.22	
For Automatic Roll Filter, Add	22,156.22	
For Hot Water Heating Coil, Aluminum Fins, Add	4,927.76	
For Electric Heating Coil, Add	5,693.47	
For Chilled Water Cooling Coil, Aluminum Fins, Add	18,327.68	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,327.68	
For Chilled Water Cooling Coil, Copper Fins, Add	22,156.22	
For Direct Expansion Cooling Coil, Copper Fins, Add	22,156.22	
For 2 Coils, Independent Circuits, Add	5,693.47	
23 73 13 00-0073 EA 16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	56,422.58	7,980.96
For Economizer, Panel, Controls And Damper(s), Add	3,729.15	
For Flat Filter Box And Throwaway Filters, Add	5,072.50	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,803.15	
For Combination Filter Mixing Box And Throwaway Filters, Add	12,396.38	
For Manual Roll Filter, Add	25,904.62	
For Automatic Roll Filter, Add	25,904.62	
For Hot Water Heating Coil, Aluminum Fins, Add	5,642.26	
For Electric Heating Coil, Add	6,542.81	
For Chilled Water Cooling Coil, Aluminum Fins, Add	21,401.87	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,401.87	
For Chilled Water Cooling Coil, Copper Fins, Add	25,904.62	
For Direct Expansion Cooling Coil, Copper Fins, Add	25,904.62	
For 2 Coils, Independent Circuits, Add	6,542.81	
23 73 13 00-0074 EA 17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	63,573.25	8,268.17
For Economizer, Panel, Controls And Damper(s), Add	3,800.67	
For Flat Filter Box And Throwaway Filters, Add	5,767.14	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,180.16	
For Combination Filter Mixing Box And Throwaway Filters, Add	14,122.74	
For Manual Roll Filter, Add	29,653.58	
For Automatic Roll Filter, Add	29,653.58	
For Hot Water Heating Coil, Aluminum Fins, Add	6,357.33	
For Electric Heating Coil, Add	7,392.71	
For Chilled Water Cooling Coil, Aluminum Fins, Add	24,476.63	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	24,476.63	
For Chilled Water Cooling Coil, Copper Fins, Add	29,653.58	
For Direct Expansion Cooling Coil, Copper Fins, Add	29,653.58	
For 2 Coils, Independent Circuits, Add	7,392.71	
23 73 13 00-0075 EA 20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	71,298.51	8,964.44
For Economizer, Panel, Controls And Damper(s), Add	3,975.57	
For Flat Filter Box And Throwaway Filters, Add	6,489.69	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,670.52	
For Combination Filter Mixing Box And Throwaway Filters, Add	15,904.14	
For Manual Roll Filter, Add	24,678.44	
For Automatic Roll Filter, Add	30,527.96	
For Hot Water Heating Coil, Aluminum Fins, Add	7,129.85	
For Electric Heating Coil, Add	8,299.76	
For Chilled Water Cooling Coil, Aluminum Fins, Add	24,678.44	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	24,678.44	
For Steam Heating Coil, Aluminum Fins, Add	12,979.38	
For Chilled Water Cooling Coil, Copper Fins, Add	30,527.96	
For Direct Expansion Cooling Coil, Copper Fins, Add	30,527.96	
For 2 Coils, Independent Circuits, Add	8,299.76	
23 73 13 00-0076 EA 22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	76,903.61	9,747.74
For Economizer, Panel, Controls And Damper(s), Add	3,842.35	
For Flat Filter Box And Throwaway Filters, Add	6,997.91	
For Medium Capacity Filter Box And Throwaway Filters, Add	10,427.62	
For Combination Filter Mixing Box And Throwaway Filters, Add	17,148.55	
For Manual Roll Filter, Add	26,606.74	
For Automatic Roll Filter, Add	32,912.21	
For Hot Water Heating Coil, Aluminum Fins, Add	7,690.36	
For Electric Heating Coil, Add	8,951.45	
For Chilled Water Cooling Coil, Aluminum Fins, Add	26,606.74	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	26,606.74	
For Steam Heating Coil, Aluminum Fins, Add	13,995.82	
For Chilled Water Cooling Coil, Copper Fins, Add	32,912.21	
For Direct Expansion Cooling Coil, Copper Fins, Add	32,912.21	
For 2 Coils, Independent Circuits, Add	8,951.45	
23 73 13 00-0077 EA 25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	91,481.95	10,530.66
For Economizer, Panel, Controls And Damper(s), Add	4,021.05	
For Flat Filter Box And Throwaway Filters, Add	8,396.18	
For Medium Capacity Filter Box And Throwaway Filters, Add	12,519.06	
For Combination Filter Mixing Box And Throwaway Filters, Add	20,614.43	
For Manual Roll Filter, Add	32,080.67	
For Automatic Roll Filter, Add	39,724.83	
For Hot Water Heating Coil, Aluminum Fins, Add	9,148.20	
For Electric Heating Coil, Add	10,677.03	
For Chilled Water Cooling Coil, Aluminum Fins, Add	32,080.67	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	32,080.67	
For Steam Heating Coil, Aluminum Fins, Add	16,792.35	
For Chilled Water Cooling Coil, Copper Fins, Add	39,724.83	
For Direct Expansion Cooling Coil, Copper Fins, Add	39,724.83	
For 2 Coils, Independent Circuits, Add	10,677.03	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0078 EA 27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	103,279.91	11,401.38
For Economizer, Panel, Controls And Damper(s), Add	4,204.68	
For Flat Filter Box And Throwaway Filters, Add	9,514.76	
For Medium Capacity Filter Box And Throwaway Filters, Add	14,190.82	
For Combination Filter Mixing Box And Throwaway Filters, Add	23,380.30	
For Manual Roll Filter, Add	36,432.60	
For Automatic Roll Filter, Add	45,134.14	
For Hot Water Heating Coil, Aluminum Fins, Add	10,327.99	
For Electric Heating Coil, Add	12,068.30	
For Chilled Water Cooling Coil, Aluminum Fins, Add	36,432.60	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	36,432.60	
For Steam Heating Coil, Aluminum Fins, Add	19,029.53	
For Chilled Water Cooling Coil, Copper Fins, Add	45,134.14	
For Direct Expansion Cooling Coil, Copper Fins, Add	45,134.14	
For 2 Coils, Independent Circuits, Add	12,068.30	
23 73 13 00-0079 EA 30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	111,927.11	12,272.08
For Economizer, Panel, Controls And Damper(s), Add	4,395.88	
For Flat Filter Box And Throwaway Filters, Add	10,315.75	
For Medium Capacity Filter Box And Throwaway Filters, Add	15,385.93	
For Combination Filter Mixing Box And Throwaway Filters, Add	25,350.90	
For Manual Roll Filter, Add	39,509.08	
For Automatic Roll Filter, Add	48,947.87	
For Hot Water Heating Coil, Aluminum Fins, Add	11,192.71	
For Electric Heating Coil, Add	13,080.47	
For Chilled Water Cooling Coil, Aluminum Fins, Add	39,509.08	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	39,509.08	
For Steam Heating Coil, Aluminum Fins, Add	20,631.50	
For Chilled Water Cooling Coil, Copper Fins, Add	48,947.87	
For Direct Expansion Cooling Coil, Copper Fins, Add	48,947.87	
For 2 Coils, Independent Circuits, Add	13,080.47	
23 73 13 00-0080 EA 32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	125,262.16	14,360.14
For Economizer, Panel, Controls And Damper(s), Add	4,391.81	
For Flat Filter Box And Throwaway Filters, Add	11,501.49	
For Medium Capacity Filter Box And Throwaway Filters, Add	17,149.76	
For Combination Filter Mixing Box And Throwaway Filters, Add	28,241.37	
For Manual Roll Filter, Add	43,956.51	
For Automatic Roll Filter, Add	54,433.28	
For Hot Water Heating Coil, Aluminum Fins, Add	12,526.22	
For Electric Heating Coil, Add	14,621.57	
For Chilled Water Cooling Coil, Aluminum Fins, Add	43,956.51	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	43,956.51	
For Steam Heating Coil, Aluminum Fins, Add	23,002.98	
For Chilled Water Cooling Coil, Copper Fins, Add	54,433.28	
For Direct Expansion Cooling Coil, Copper Fins, Add	54,433.28	
For 2 Coils, Independent Circuits, Add	14,621.57	
23 73 13 00-0081 EA 35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	126,028.67	14,882.70
For Economizer, Panel, Controls And Damper(s), Add	4,487.63	
For Flat Filter Box And Throwaway Filters, Add	11,539.82	
For Medium Capacity Filter Box And Throwaway Filters, Add	17,203.42	
For Combination Filter Mixing Box And Throwaway Filters, Add	28,318.02	
For Manual Roll Filter, Add	44,033.17	
For Automatic Roll Filter, Add	54,509.93	
For Hot Water Heating Coil, Aluminum Fins, Add	12,602.87	
For Electric Heating Coil, Add	14,698.22	
For Chilled Water Cooling Coil, Aluminum Fins, Add	44,033.17	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	44,033.17	
For Steam Heating Coil, Aluminum Fins, Add	23,079.63	
For Chilled Water Cooling Coil, Copper Fins, Add	54,509.93	
For Direct Expansion Cooling Coil, Copper Fins, Add	54,509.93	
For 2 Coils, Independent Circuits, Add	14,698.22	
23 73 13 00-0082 EA 37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	131,774.89	15,404.42
For Economizer, Panel, Controls And Damper(s), Add	4,583.44	
For Flat Filter Box And Throwaway Filters, Add	12,076.11	
For Medium Capacity Filter Box And Throwaway Filters, Add	18,004.03	
For Combination Filter Mixing Box And Throwaway Filters, Add	29,639.59	
For Manual Roll Filter, Add	46,101.70	
For Automatic Roll Filter, Add	57,076.43	
For Hot Water Heating Coil, Aluminum Fins, Add	13,177.49	
For Electric Heating Coil, Add	15,372.44	
For Chilled Water Cooling Coil, Aluminum Fins, Add	46,101.70	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	46,101.70	
For Steam Heating Coil, Aluminum Fins, Add	24,152.23	
For Chilled Water Cooling Coil, Copper Fins, Add	57,076.43	
For Direct Expansion Cooling Coil, Copper Fins, Add	57,076.43	
For 2 Coils, Independent Circuits, Add	15,372.44	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0083	EA		40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	137,978.92	16,536.34
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,780.95	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	12,617.51	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	18,808.23	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	30,953.60	
			<i>For Manual Roll Filter, Add</i>	48,109.30	
			<i>For Automatic Roll Filter, Add</i>	59,546.44	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	13,797.89	
			<i>For Electric Heating Coil, Add</i>	16,085.32	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	48,109.30	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	48,109.30	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	25,235.03	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	59,546.44	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	59,546.44	
			<i>For 2 Coils, Independent Circuits, Add</i>	16,085.32	
23 73 13 00-0084	EA		45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	148,570.04	17,406.67
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,924.58	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	13,619.17	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	20,304.97	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	33,429.01	
			<i>For Manual Roll Filter, Add</i>	52,001.02	
			<i>For Automatic Roll Filter, Add</i>	64,382.36	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	14,857.00	
			<i>For Electric Heating Coil, Add</i>	17,333.27	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	52,001.02	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	52,001.02	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	27,238.34	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	64,382.36	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	64,382.36	
			<i>For 2 Coils, Independent Circuits, Add</i>	17,333.27	
23 73 13 00-0085	EA		50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	159,652.41	18,364.05
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,526.77	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	14,651.86	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	21,846.45	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	35,972.95	
			<i>For Manual Roll Filter, Add</i>	55,980.67	
			<i>For Automatic Roll Filter, Add</i>	69,319.14	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	15,965.24	
			<i>For Electric Heating Coil, Add</i>	18,632.94	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	55,980.67	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	55,980.67	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	29,303.72	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	69,319.14	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	69,319.14	
			<i>For 2 Coils, Independent Circuits, Add</i>	18,632.94	
23 73 13 00-0086	EA		55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	171,891.42	19,495.48
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,683.59	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	15,797.35	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	23,556.84	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	38,797.47	
			<i>For Manual Roll Filter, Add</i>	60,405.80	
			<i>For Automatic Roll Filter, Add</i>	74,811.36	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	17,189.14	
			<i>For Electric Heating Coil, Add</i>	20,070.25	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	60,405.80	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	60,405.80	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	31,594.70	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	74,811.36	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	74,811.36	
			<i>For 2 Coils, Independent Circuits, Add</i>	20,070.25	
23 73 13 00-0087	EA		60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	184,145.34	20,017.68
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,754.60	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	16,987.24	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	25,338.12	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	41,754.44	
			<i>For Manual Roll Filter, Add</i>	65,094.35	
			<i>For Automatic Roll Filter, Add</i>	80,654.29	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	18,414.53	
			<i>For Electric Heating Coil, Add</i>	21,526.52	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	65,094.35	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	65,094.35	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	33,974.47	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	80,654.29	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	80,654.29	
			<i>For 2 Coils, Independent Circuits, Add</i>	21,526.52	
23 73 13 00-0088			Return/Supply Air Fan <small>(23 73 13)</small>		
			Note: Includes vibration mounts.		
23 73 13 00-0089	EA		300 CFM Return Air Fan.....	3,361.29	696.14
23 73 13 00-0090	EA		500 CFM Return Air Fan.....	4,346.84	835.39
23 73 13 00-0091	EA		750 CFM Return Air Fan.....	4,539.98	870.21
23 73 13 00-0092	EA		1,000 CFM Return Air Fan.....	5,169.68	922.43
23 73 13 00-0093	EA		1,250 CFM Return Air Fan.....	5,329.76	965.95
23 73 13 00-0094	EA		1,500 CFM Return Air Fan.....	5,457.07	1,009.47
23 73 13 00-0095	EA		1,750 CFM Return Air Fan.....	5,727.69	1,061.68
23 73 13 00-0096	EA		2,000 CFM Return Air Fan.....	6,357.37	1,113.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0097 EA 2,250 CFM Return Air Fan.....	6,660.51	1,166.13
23 73 13 00-0098 EA 2,500 CFM Return Air Fan.....	6,833.09	1,218.34
23 73 13 00-0099 EA 3,000 CFM Return Air Fan.....	7,247.74	1,348.89
23 73 13 00-0100 EA 3,500 CFM Return Air Fan.....	7,445.38	1,418.52
23 73 13 00-0101 EA 4,000 CFM Return Air Fan.....	7,630.30	1,479.44
23 73 13 00-0102 EA 4,500 CFM Return Air Fan.....	7,860.59	1,549.19
23 73 13 00-0103 EA 5,000 CFM Return Air Fan.....	8,070.28	1,627.52
23 73 13 00-0104 EA 5,500 CFM Return Air Fan.....	8,474.17	1,819.00
23 73 13 00-0105 EA 6,000 CFM Return Air Fan.....	9,644.56	2,158.43
23 73 13 00-0106 EA 6,500 CFM Return Air Fan.....	9,890.92	2,193.24
23 73 13 00-0107 EA 7,000 CFM Return Air Fan.....	10,000.74	2,201.95
23 73 13 00-0108 EA 8,000 CFM Return Air Fan.....	10,508.30	2,236.75
23 73 13 00-0109 EA 9,000 CFM Return Air Fan.....	10,737.37	2,262.87
23 73 13 00-0110 EA 10,000 CFM Return Air Fan.....	11,290.38	2,350.27
23 73 13 00-0111 EA 12,500 CFM Return Air Fan.....	12,003.25	2,393.29
23 73 13 00-0112 EA 15,000 CFM Return Air Fan.....	13,506.02	2,461.31
23 73 13 00-0113 EA 17,500 CFM Return Air Fan.....	14,706.66	2,593.47
23 73 13 00-0114 EA 20,000 CFM Return Air Fan.....	17,414.20	2,706.37
23 73 13 00-0115 EA 22,500 CFM Return Air Fan.....	18,243.18	2,800.73
23 73 13 00-0116 EA 25,000 CFM Return Air Fan.....	19,060.76	2,880.80
23 73 13 00-0117 EA 27,500 CFM Return Air Fan.....	20,226.69	3,168.02
23 73 13 00-0118 EA 30,000 CFM Return Air Fan.....	21,616.75	3,341.84
23 73 13 00-0119 EA 35,000 CFM Return Air Fan.....	24,330.72	3,480.96
23 73 13 00-0120 EA 40,000 CFM Return Air Fan.....	28,615.21	3,829.10
23 73 13 00-0121 EA 45,000 CFM Return Air Fan.....	35,138.51	4,351.29
23 73 13 00-0122 EA 50,000 CFM Return Air Fan.....	42,610.76	4,508.33
23 73 13 00-0123 EA 55,000 CFM Return Air Fan.....	44,586.27	4,638.51
23 73 13 00-0124 EA 60,000 CFM Return Air Fan.....	45,616.19	4,760.35
23 73 13 00-0125 EA 65,000 CFM Return Air Fan.....	47,833.29	4,969.11
23 73 13 00-0126 EA 70,000 CFM Return Air Fan.....	50,240.29	5,213.80
23 73 13 00-0127 EA 75,000 CFM Return Air Fan.....	54,009.78	5,469.55
23 73 13 00-0128 EA 80,000 CFM Return Air Fan.....	56,415.30	5,759.50
23 73 13 00-0129 EA 90,000 CFM Return Air Fan.....	58,279.61	6,087.49
23 73 13 00-0130 EA 100,000 CFM Return Air Fan.....	62,626.80	6,366.12
23 73 13 00-0131 EA 115,000 CFM Return Air Fan.....	67,338.49	6,670.62
23 73 13 00-0132 EA 130,000 CFM Return Air Fan.....	72,453.07	7,006.69
23 73 13 00-0133 EA 150,000 CFM Return Air Fan.....	79,217.94	7,379.94

23 73 13 00-0134	Removal And Reinstallation Of Air Handling Unit <small>(23 73 13)</small>	
	<small>Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.</small>	
23 73 13 00-0135 EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	3,188.03
23 73 13 00-0136 EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit.....	4,324.64
23 73 13 00-0137 EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit.....	5,379.81
23 73 13 00-0138 EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit.....	9,815.80

23 74 Packaged Outdoor HVAC Equipment (23 70)

23 74 16 Packaged Rooftop Air-Conditioning Units (23 74)

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units (23 74 16)

23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16 13)

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002 EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	5,645.56	2,261.79
	<i>For Unit Without Heat, Deduct</i>	-433.06	
	<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,061.81	
	<i>For Unit Without Roof Curb, Deduct</i>	-724.01	
23 74 16 13-0003 EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	7,097.03	2,364.60
	<i>For Unit Without Heat, Deduct</i>	-512.49	
	<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,061.81	
	<i>For Unit Without Roof Curb, Deduct</i>	-724.01	
23 74 16 13-0004 EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	8,173.09	2,467.41
	<i>For Unit Without Heat, Deduct</i>	-573.15	
	<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,061.81	
	<i>For Unit Without Roof Curb, Deduct</i>	-724.01	
23 74 16 13-0005 EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	9,599.52	2,621.62
	<i>For Unit Without Heat, Deduct</i>	-654.75	
	<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,061.81	
	<i>For Unit Without Roof Curb, Deduct</i>	-724.01	
23 74 16 13-0006 EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	10,423.61	2,775.83
	<i>For Unit Without Heat, Deduct</i>	-706.24	
	<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,061.81	
	<i>For Unit Without Roof Curb, Deduct</i>	-724.01	
23 74 16 13-0007 EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	11,625.47	2,981.45
	<i>For Unit Without Heat, Deduct</i>	-780.04	
	<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,083.77	
	<i>For Unit Without Roof Curb, Deduct</i>	-868.83	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0008 EA 8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	12,449.57	3,135.67
<i>For Unit Without Heat, Deduct</i>	-831.52	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,083.77	
<i>For Unit Without Roof Curb, Deduct</i>	-868.83	
23 74 16 13-0009 EA 10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	13,651.42	3,341.28
<i>For Unit Without Heat, Deduct</i>	-905.32	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,108.32	
<i>For Unit Without Roof Curb, Deduct</i>	-868.83	
23 74 16 13-0010 EA 12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	16,350.69	3,610.64
<i>For Unit Without Heat, Deduct</i>	-1,058.28	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,196.96	
<i>For Unit Without Roof Curb, Deduct</i>	-868.83	
23 74 16 13-0011 EA 15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	19,049.94	3,881.03
<i>For Unit Without Heat, Deduct</i>	-1,211.23	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-868.83	
23 74 16 13-0012 EA 17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	21,668.54	4,150.73
<i>For Unit Without Heat, Deduct</i>	-1,360.15	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-868.83	
23 74 16 13-0013 EA 20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	24,287.12	4,420.78
<i>For Unit Without Heat, Deduct</i>	-1,509.07	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-868.83	
23 74 16 13-0014 EA 22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	27,199.39	4,870.39
<i>For Unit Without Heat, Deduct</i>	-1,684.67	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-868.83	
23 74 16 13-0015 EA 25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	30,111.64	5,320.35
<i>For Unit Without Heat, Deduct</i>	-1,860.27	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-868.83	
23 74 16 13-0016 EA 27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	33,146.21	5,821.72
<i>For Unit Without Heat, Deduct</i>	-2,045.41	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-1,427.88	
23 74 16 13-0017 EA 30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	36,180.79	6,322.73
<i>For Unit Without Heat, Deduct</i>	-2,230.56	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-1,427.88	
23 74 16 13-0018 EA 35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	42,157.14	7,376.52
<i>For Unit Without Heat, Deduct</i>	-2,599.63	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-1,427.88	
23 74 16 13-0019 EA 40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	48,133.50	8,430.31
<i>For Unit Without Heat, Deduct</i>	-2,968.70	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-2,118.28	
23 74 16 13-0020 EA 45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	53,014.74	9,509.81
<i>For Unit Without Heat, Deduct</i>	-3,284.72	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-2,118.28	
23 74 16 13-0021 EA 50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	57,895.98	10,589.29
<i>For Unit Without Heat, Deduct</i>	-3,600.75	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-2,118.28	
23 74 16 13-0022 EA 55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	63,730.51	11,617.38
<i>For Unit Without Heat, Deduct</i>	-3,961.02	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-2,614.47	
23 74 16 13-0023 EA 60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	69,565.03	12,645.48
<i>For Unit Without Heat, Deduct</i>	-4,321.28	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-2,614.47	
23 74 16 13-0024 EA 65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	75,238.21	13,673.56
<i>For Unit Without Heat, Deduct</i>	-4,673.48	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-2,410.38	
23 74 16 13-0025 EA 70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	80,911.40	14,701.65
<i>For Unit Without Heat, Deduct</i>	-5,025.68	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-2,410.38	
23 74 16 13-0026 EA 75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	86,721.65	15,832.54
<i>For Unit Without Heat, Deduct</i>	-5,391.59	
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,262.66	
<i>For Unit Without Roof Curb, Deduct</i>	-2,677.68	
23 74 16 13-0027 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units <small>(23 74 16 13)</small>		
Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.		
23 74 16 13-0028 EA 2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,490.24	2,056.17
<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,061.81	
<i>For Unit Without Roof Curb, Deduct</i>	-724.01	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Packaged Outdoor HVAC Equipment		23 74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0029	EA		3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	6,266.53 -1,061.81 -724.01	2,364.60
23 74 16 13-0030	EA		4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	7,658.95 -1,061.81 -724.01	2,724.43
23 74 16 13-0031	EA		5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	8,711.54 -1,061.81 -724.01	2,930.05
23 74 16 13-0032	EA		6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	9,717.87 -1,061.81 -724.01	3,161.37
23 74 16 13-0033	EA		7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	10,567.71 -1,083.77 -868.83	3,315.58
23 74 16 13-0034	EA		8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	12,494.11 -1,083.77 -868.83	2,750.14
23 74 16 13-0035	EA		10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	15,322.87 -1,108.32 -868.83	3,701.11
23 74 16 13-0036	EA		12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	16,727.28 -1,196.96 -868.83	4,009.53
23 74 16 13-0037	EA		15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	20,037.50 -2,262.66 -868.83	4,317.97
23 74 16 13-0038	EA		17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	21,200.32 -2,262.66 -868.83	4,626.40
23 74 16 13-0039	EA		20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	31,704.34 -2,262.66 -868.83	4,934.82
23 74 16 13-0040	EA		22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	38,509.82 -2,262.66 -868.83	5,448.86
23 74 16 13-0041	EA		25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	45,315.30 -2,262.66 -868.83	5,894.36
23 74 16 13-0042	EA		27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	46,805.97 -2,262.66 -1,427.88	6,476.95
23 74 16 13-0043	EA		30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	50,245.40 -2,262.66 -1,427.88	6,990.99
23 74 16 13-0044	EA		35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	54,221.52 -2,262.66 -1,427.88	8,173.30
23 74 16 13-0045	EA		40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	60,146.40 -2,262.66 -2,118.28	9,355.59
23 74 16 13-0046	EA		45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	64,997.58 -2,262.66 -2,118.28	10,537.89
23 74 16 13-0047	EA		50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	69,848.77 -2,262.66 -2,118.28	11,720.19
23 74 16 13-0048	EA		55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	76,525.25 -2,262.66 -2,614.47	12,902.49
23 74 16 13-0049	EA		60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	83,201.72 -2,262.66 -2,614.47	14,084.80
23 74 16 13-0050	EA		65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	88,955.78 -2,262.66 -2,410.38	14,675.94
23 74 16 13-0051	EA		70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	94,675.57 -2,262.66 -2,410.38	15,241.39
23 74 16 13-0052	EA		75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	100,429.64 -2,262.66 -2,677.68	15,832.54
23 74 16 13-0053	EA		80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	106,217.97 -2,262.66 -2,677.68	16,449.39
23 74 16 13-0054	EA		90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	143,340.87 -2,262.66 -2,677.68	19,328.03
23 74 16 13-0055	EA		100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	165,603.43 -2,262.66 -2,677.68	23,543.19

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 74 16 13-0056	AAON Rooftop Units <small>(23 74 16 13)</small> Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0057	AAON RQ Rooftop Units <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment.		
23 74 16 13-0058	EA 2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002)..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	11,636.61 1,126.32 1,221.98 962.06 1,101.05 5,613.55 1,310.43	2,056.17
23 74 16 13-0059	EA 3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003)..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	12,751.79 1,207.54 1,310.43 1,030.66 1,180.47 5,613.55 1,310.43	2,364.60
23 74 16 13-0060	EA 4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004)..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	13,392.21 1,207.54 1,310.43 1,030.66 1,180.47 5,613.55 1,310.43	2,724.43
23 74 16 13-0061	EA 5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005)..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	13,808.96 1,207.54 1,310.43 1,030.66 1,180.47 5,613.55 1,310.43	2,930.05
23 74 16 13-0062	EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006)..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	15,083.06 1,207.54 1,310.43 1,030.66 1,180.47 5,613.55 1,310.43	3,572.67
23 74 16 13-0063	AAON RNA Rooftop Units <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment.		
23 74 16 13-0064	EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006)..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	17,900.67 1,175.06 1,805.00 1,203.94 1,111.88 2,998.10 1,021.63	3,161.43
23 74 16 13-0065	EA 7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007)..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	19,079.18 1,175.06 1,805.00 1,203.94 1,111.88 2,998.10 1,021.63	3,315.65
23 74 16 13-0066	EA 8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008)..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	21,782.81 1,175.06 1,805.00 1,203.94 1,111.88 2,998.10 1,021.63	3,572.67
23 74 16 13-0067	EA 10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010)..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	22,049.83 1,175.06 1,805.00 1,203.94 1,111.88 2,998.10 1,021.63	3,701.11



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0068				AAON RNB Rooftop Units <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment.		
23 74 16 13-0069	EA			9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009) 25,795.20		3,701.11
				For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add 1,731.00		
				For Factory Authorized Start Up, 4 Hour, One Trip, Add 1,353.75		
				For Factory Installed Non-Fused Disconnect, Add 1,073.98		
				For Factory Installed Exhaust Fan, Add 2,859.12		
				For Hot Water Coil In Lieu Of Gas Heat, Add 1,027.04		
23 74 16 13-0070	EA			11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011) 25,923.46		3,598.30
				For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add 1,731.00		
				For Factory Authorized Start Up, 4 Hour, One Trip, Add 1,353.75		
				For Factory Installed Non-Fused Disconnect, Add 1,073.98		
				For Factory Installed Exhaust Fan, Add 2,859.12		
				For Hot Water Coil In Lieu Of Gas Heat, Add 1,027.04		
23 74 16 13-0071	EA			13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013) 28,309.27		4,009.53
				For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add 1,731.00		
				For Factory Authorized Start Up, 4 Hour, One Trip, Add 1,353.75		
				For Factory Installed Non-Fused Disconnect, Add 1,073.98		
				For Factory Installed Exhaust Fan, Add 2,859.12		
				For Hot Water Coil In Lieu Of Gas Heat, Add 1,027.04		
23 74 16 13-0072	EA			15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015) 29,139.26		4,317.97
				For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add 1,731.00		
				For Factory Authorized Start Up, 4 Hour, One Trip, Add 1,353.75		
				For Factory Installed Non-Fused Disconnect, Add 1,073.98		
				For Factory Installed Exhaust Fan, Add 2,859.12		
				For Hot Water Coil In Lieu Of Gas Heat, Add 1,027.04		
23 74 16 13-0073				AAON RNC Rooftop Units <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0074	EA			16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016) 36,886.32		4,317.97
				For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add 2,555.88		
				For Factory Authorized Start Up, 4 Hour, One Trip, Add 1,805.00		
				For Factory Installed Non-Fused Disconnect, Add 1,073.98		
				For Factory Installed Exhaust Fan, Add 5,243.52		
				For Hot Water Coil In Lieu Of Gas Heat, Add 467.50		
23 74 16 13-0075	EA			18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018) 39,828.16		4,626.40
				For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add 2,555.88		
				For Factory Authorized Start Up, 4 Hour, One Trip, Add 1,805.00		
				For Factory Installed Non-Fused Disconnect, Add 1,073.98		
				For Factory Installed Exhaust Fan, Add 5,243.52		
				For Hot Water Coil In Lieu Of Gas Heat, Add 467.50		
23 74 16 13-0076	EA			20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020) 42,219.48		4,934.82
				For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add 2,555.88		
				For Factory Authorized Start Up, 4 Hour, One Trip, Add 1,805.00		
				For Factory Installed Non-Fused Disconnect, Add 1,073.98		
				For Factory Installed Exhaust Fan, Add 5,243.52		
				For Hot Water Coil In Lieu Of Gas Heat, Add 467.50		
23 74 16 13-0077	EA			25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025) 46,003.55		5,962.91
				For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add 2,555.88		
				For Factory Authorized Start Up, 4 Hour, One Trip, Add 1,805.00		
				For Factory Installed Non-Fused Disconnect, Add 1,073.98		
				For Factory Installed Exhaust Fan, Add 5,243.52		
				For Hot Water Coil In Lieu Of Gas Heat, Add 467.50		
23 74 16 13-0078	EA			30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030) 52,292.96		6,990.99
				For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add 2,555.88		
				For Factory Authorized Start Up, 4 Hour, One Trip, Add 1,805.00		
				For Factory Installed Non-Fused Disconnect, Add 1,073.98		
				For Factory Installed Exhaust Fan, Add 5,243.52		
				For Hot Water Coil In Lieu Of Gas Heat, Add 467.50		
23 74 16 13-0079				AAON RND Rooftop Units <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0080	EA			26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026) 68,253.78		5,962.91
				For Factory Authorized Start Up, 4 Hour, One Trip, Add 2,256.25		
				For Factory Installed Non-Fused Disconnect, Add 2,443.97		
				For Hot Water Coil In Lieu Of Gas Heat, Add 3,429.50		
23 74 16 13-0081	EA			31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031) 77,875.22		6,990.99
				For Factory Authorized Start Up, 4 Hour, One Trip, Add 2,256.25		
				For Factory Installed Non-Fused Disconnect, Add 2,443.97		
				For Hot Water Coil In Lieu Of Gas Heat, Add 3,429.50		
23 74 16 13-0082	EA			40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040) 92,343.56		9,355.59
				For Factory Authorized Start Up, 4 Hour, One Trip, Add 2,256.25		
				For Factory Installed Non-Fused Disconnect, Add 2,443.97		
				For Hot Water Coil In Lieu Of Gas Heat, Add 3,429.50		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0083 EA 50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050)	108,690.92	11,720.19
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,256.25	
For Factory Installed Non-Fused Disconnect, Add	2,443.97	
For Hot Water Coil In Lieu Of Gas Heat, Add	3,429.50	
23 74 16 13-0084 EA 60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060)	120,029.39	14,084.80
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,256.25	
For Factory Installed Non-Fused Disconnect, Add	2,443.97	
For Hot Water Coil In Lieu Of Gas Heat, Add	3,429.50	
23 74 16 13-0085 EA 70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070)	126,529.85	15,241.46
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,256.25	
For Factory Installed Non-Fused Disconnect, Add	2,443.97	
For Hot Water Coil In Lieu Of Gas Heat, Add	3,429.50	
23 74 16 13-0086 AAON RNE Rooftop Units <small>(23 74 16 13-0056)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0087 EA 55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055)	116,222.02	12,902.49
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,548.66	
For Factory Installed Non-Fused Disconnect, Add	3,660.54	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,873.50	
23 74 16 13-0088 EA 65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065)	128,270.44	14,676.01
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,548.66	
For Factory Installed Non-Fused Disconnect, Add	3,660.54	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,873.50	
23 74 16 13-0089 EA 75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075)	136,507.31	15,832.54
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,548.66	
For Factory Installed Non-Fused Disconnect, Add	3,660.54	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,873.50	
23 74 16 13-0090 EA 95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090)	166,421.45	21,435.61
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,548.66	
For Factory Installed Non-Fused Disconnect, Add	3,660.54	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,873.50	
23 74 16 13-0091 EA 105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105)	180,928.85	24,468.47
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,548.66	
For Factory Installed Non-Fused Disconnect, Add	3,660.54	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,873.50	
23 74 16 13-0092 EA 120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120)	210,127.67	26,935.88
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,548.66	
For Factory Installed Non-Fused Disconnect, Add	3,660.54	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,873.50	
23 74 16 13-0093 EA 130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130)	215,799.16	28,580.82
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,548.66	
For Factory Installed Non-Fused Disconnect, Add	3,660.54	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,873.50	
23 74 16 13-0094 EA 140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140)	227,252.14	31,973.52
For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,548.66	
For Factory Installed Non-Fused Disconnect, Add	3,660.54	
For Hot Water Coil In Lieu Of Gas Heat, Add	4,873.50	
23 74 16 13-0095 Heat Pump, Packaged Rooftop Heat Pump Units <small>(23 74 16 13)</small>		
See CSI section 01 22 23 00-0853 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0096 Packaged Rooftop Heat Pump Units <small>(23 74 16 13-0095)</small>		
Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 16 13-0097 EA 2 Ton Packaged Rooftop Heat Pump	6,770.68	1,850.55
For Economizer With Outside Air Control, Add	2,137.39	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	215.16	
For Unit Without Roof Curb, Deduct	-724.01	
23 74 16 13-0098 EA 2.5 Ton Packaged Rooftop Heat Pump	7,144.89	1,989.42
For Economizer With Outside Air Control, Add	2,269.64	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	224.62	
For Unit Without Roof Curb, Deduct	-724.01	
23 74 16 13-0099 EA 3 Ton Packaged Rooftop Heat Pump	7,566.39	2,128.14
For Economizer With Outside Air Control, Add	2,411.82	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	236.44	
For Unit Without Roof Curb, Deduct	-724.01	
23 74 16 13-0100 EA 3.5 Ton Packaged Rooftop Heat Pump	8,121.98	2,290.03
For Economizer With Outside Air Control, Add	2,388.36	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	253.43	
For Unit Without Roof Curb, Deduct	-724.01	
23 74 16 13-0101 EA 4 Ton Packaged Rooftop Heat Pump	8,677.80	2,452.06
For Economizer With Outside Air Control, Add	2,554.10	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	270.42	
For Unit Without Roof Curb, Deduct	-724.01	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Packaged Outdoor HVAC Equipment		23 74

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0102	EA		5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	9,304.40 2,742.05 231.53 -724.01	2,637.11
23 74 16 13-0103	EA		6 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	10,420.58 3,023.40 198.81 -724.01	2,845.20
23 74 16 13-0104	EA		7.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	13,136.89 3,088.33 274.75 -868.83	2,984.05
23 74 16 13-0105	EA		8.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	14,646.18 3,283.06 310.77 -868.83	3,215.30
23 74 16 13-0106	EA		10 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	15,698.23 3,346.36 225.14 -868.83	3,331.01
23 74 16 13-0107	EA		12.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	18,111.39 3,735.72 266.00 -868.83	3,608.59
23 74 16 13-0108	EA		15 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	20,524.54 4,125.08 306.86 -868.83	3,886.17
23 74 16 13-0109	EA		17.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	22,913.46 4,512.01 347.24 -868.83	4,163.75
23 74 16 13-0110	EA		20 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	25,302.39 4,898.96 387.61 -868.83	4,441.33
23 74 16 13-0111	Heating Only Packaged Rooftop Units <small>(23 74 16 13-0095)</small>				
<p>Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment, 26 28 16 16-0001 for disconnects.</p>					
23 74 16 13-0112	EA		24 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	7,088.73 446.86 -724.01	1,850.55
23 74 16 13-0113	EA		32 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	8,313.08 525.17 -724.01	2,128.14
23 74 16 13-0114	EA		45 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	11,223.59 720.26 -724.01	2,452.06
23 74 16 13-0115	EA		60 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	12,618.66 812.99 -724.01	2,637.11
23 74 16 13-0116	EA		95 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	14,789.79 955.71 -868.83	2,984.05
23 74 16 13-0117	EA		112 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	16,610.65 1,077.00 -868.83	3,215.30
23 74 16 13-0118	EA		140 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	19,498.43 1,276.06 -868.83	3,331.01
23 74 16 13-0119	EA		170 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	25,179.27 1,658.92 -868.83	3,886.17
23 74 16 13-0120	EA		200 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	32,929.49 2,194.03 -868.83	4,163.75
23 74 16 13-0121	EA		230 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	38,299.04 2,562.50 -868.83	4,441.33
23 74 16 13-0122	EA		270 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	49,508.51 3,334.82 -868.83	4,903.98
23 74 16 13-0123	EA		330 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	61,813.78 4,171.52 -1,427.88	6,240.49
23 74 16 13-0124	EA		360 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	75,762.43 5,135.59 -1,427.88	6,291.89
23 74 16 13-0125	EA		450 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	92,179.48 6,256.40 -1,427.88	7,356.03

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0126 EA 540 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	119,538.01 8,114.75 -2,118.28	9,484.18
23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units (23 74)		
23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units (23 74 23)		
23 74 23 13-0001 Make-Up Air Units (23 74 23 13) Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0853 for crane lifting equipment.		
23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units (23 74 23 13-0001) Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0854 for crane lifting equipment.		
23 74 23 13-0003 EA 100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	7,858.51 2,049.13 951.47	616.85
23 74 23 13-0004 EA 300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	10,127.83 2,685.37 1,230.68	699.09
23 74 23 13-0005 EA 500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	14,040.98 3,801.06 1,714.00	822.47
23 74 23 13-0006 EA 670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	14,174.53 3,810.28 1,727.61	877.30
23 74 23 13-0007 EA 800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	19,299.45 5,296.35 2,363.08	986.96
23 74 23 13-0008 EA 1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	29,178.48 8,136.69 3,585.62	1,233.70
23 74 23 13-0009 Electric Make-Up Air Units (23 74 23 13-0001) Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0854 for crane lifting equipment.		
23 74 23 13-0010 EA 33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	16,015.92 4,496.35 1,971.15	616.85
23 74 23 13-0011 EA 100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	22,858.84 6,504.67 2,822.06	699.09
23 74 23 13-0012 EA 150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	28,308.66 8,081.36 3,497.46	822.47
23 74 23 13-0013 EA 250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	36,603.99 10,487.71 4,526.15	986.96
23 74 23 13-0014 EA 400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	59,098.37 17,112.66 7,325.61	1,233.70
23 76 Evaporative Air-Cooling Equipment (23 70)		
23 76 13 Direct Evaporative Air Coolers (23 76)		
23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit (23 76 13) Note: Includes motor, belt and pads.		
23 76 13 00-0002 EA 3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0003 EA 4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0004 EA 4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0005 EA 5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0006 EA 6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0007 EA 7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,569.50 1,852.27 2,377.72 2,593.70 2,972.57 3,204.83	403.60 470.86 538.14 605.40 672.66 739.93
23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers (23 76 13) Note: Excludes motor starter, piping, power wiring and equipment rigging.		
23 76 13 00-0009 EA 7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0010 EA 8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0011 EA 9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0012 EA 11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0013 EA 13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0014 EA 16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0015 EA 15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0016 EA 19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0017 EA 17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0018 EA 22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0019 EA 24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit 23 76 13 00-0020 EA 30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,918.48 3,011.92 3,618.28 7,531.23 8,250.56 9,422.07 8,738.64 10,394.33 10,607.98 11,738.32 12,406.78 16,832.86	410.30 423.58 588.27 694.40 1,016.59 1,084.36 1,219.91 1,524.89 1,993.33 2,033.18 2,259.14 3,529.88



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Evaporative Air-Cooling Equipment	23 76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 76	13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	18,768.66	3,683.31
23 76	13 00-0022	EA	40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	20,732.38	3,850.72

23 80 Decentralized Unitary HVAC Equipment ⁽²³⁾

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment ^(23 80)

23 81 13 Packaged Terminal Air-Conditioners ^(23 81)

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units ^(23 81 13)

23 81 13 11-0001 Packaged Terminal Air-Conditioners ^(23 81 13 11)

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners ^(23 81 13 11-0001)

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,051.73	252.25
		For >35 To 70, Deduct	-46.42	
		For >70 To 100, Deduct	-77.36	
		For >100, Deduct	-108.31	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,200.01	313.55
		For >35 To 70, Deduct	-47.21	
		For >70 To 100, Deduct	-78.68	
		For >100, Deduct	-110.15	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,329.92	334.16
		For >35 To 70, Deduct	-49.82	
		For >70 To 100, Deduct	-83.04	
		For >100, Deduct	-116.26	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,516.78	359.19
		For >35 To 70, Deduct	-53.96	
		For >70 To 100, Deduct	-89.94	
		For >100, Deduct	-125.91	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners ^(23 81 13 11-0001)

23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,210.04	278.23
		For >35 To 70, Deduct	-49.64	
		For >70 To 100, Deduct	-82.73	
		For >100, Deduct	-115.82	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,339.94	313.55
		For >35 To 70, Deduct	-51.41	
		For >70 To 100, Deduct	-85.68	
		For >100, Deduct	-119.95	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,431.31	334.16
		For >35 To 70, Deduct	-52.87	
		For >70 To 100, Deduct	-88.11	
		For >100, Deduct	-123.35	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,650.62	359.19
		For >35 To 70, Deduct	-57.98	
		For >70 To 100, Deduct	-96.63	
		For >100, Deduct	-135.28	

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve ^(23 81 13 11)

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	106.99	
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	120.34	
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	133.69	

23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units ^(23 81 13 11)

Note: Includes storage and cleaning.

23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	269.07	
------------------	----	--	--------	--

23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units ^(23 81 13)

23 81 13 13-0001 Single Package Vertical Wall Cooling Unit ^(23 81 13 13)

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0854 for crane lifting equipment.

23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	4,956.27	306.43
------------------	----	---	----------	--------

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 13-0003	EA		1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	6,773.53	321.02
23 81 13 13-0004	EA		1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,813.59	335.62
23 81 13 13-0005	EA		2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	10,124.62	364.80
23 81 13 13-0006	EA		2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	12,680.77	423.17
23 81 13 13-0007	EA		3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	13,643.25	525.31
23 81 13 13-0008	EA		3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	15,109.66	583.68
23 81 13 13-0009	EA		4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	16,642.01	656.64
23 81 13 13-0010	EA		5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	18,750.70	787.97
23 81 13 13-0011	EA		7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	24,221.30	977.66
23 81 13 13-0012	EA		10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	28,965.60	1,313.29
23 81 13 13-0013	EA		15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	40,491.77	1,605.12
23 81 13 13-0014	EA		20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	46,677.60	1,911.55
23 81 13 13-0015	EA		25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	55,715.46	2,145.03

23 81 16 Room Air-Conditioners (23 81)

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 16 00-0001			Window Unit, Room Air-Conditioners (23 81 16)		
23 81 16 00-0002			Cooling Only, Window Unit, Room Air-Conditioners (23 81 16 00-0001)		
23 81 16 00-0003			Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0002)		
23 81 16 00-0004	EA		5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	561.38	141.26
			For >10 To 50, Deduct	-13.94	
			For >50 To 75, Deduct	-19.52	
			For >75 To 100, Deduct	-27.89	
			For >100, Deduct	-33.46	
23 81 16 00-0005	EA		6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	589.40	141.26
			For >10 To 50, Deduct	-15.34	
			For >50 To 75, Deduct	-21.48	
			For >75 To 100, Deduct	-30.69	
			For >100, Deduct	-36.83	
23 81 16 00-0006	EA		8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	659.47	141.26
			For >10 To 50, Deduct	-18.85	
			For >50 To 75, Deduct	-26.39	
			For >75 To 100, Deduct	-37.70	
			For >100, Deduct	-45.23	
23 81 16 00-0007	EA		10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	722.44	141.26
			For >10 To 50, Deduct	-22.00	
			For >50 To 75, Deduct	-30.79	
			For >75 To 100, Deduct	-43.99	
			For >100, Deduct	-52.79	
23 81 16 00-0008	EA		12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	883.68	141.26
			For >10 To 50, Deduct	-30.06	
			For >50 To 75, Deduct	-42.08	
			For >75 To 100, Deduct	-60.12	
			For >100, Deduct	-72.14	
23 81 16 00-0009	EA		15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	1,023.81	141.26
			For >10 To 50, Deduct	-37.06	
			For >50 To 75, Deduct	-51.89	
			For >75 To 100, Deduct	-74.13	
			For >100, Deduct	-88.95	
23 81 16 00-0010	EA		8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	967.76	141.26
			For >10 To 50, Deduct	-34.26	
			For >50 To 75, Deduct	-47.97	
			For >75 To 100, Deduct	-68.52	
			For >100, Deduct	-82.23	
23 81 16 00-0011	EA		10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	1,037.82	141.26
			For >10 To 50, Deduct	-37.77	
			For >50 To 75, Deduct	-52.87	
			For >75 To 100, Deduct	-75.53	
			For >100, Deduct	-90.64	
23 81 16 00-0012	EA		12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,093.87	141.26
			For >10 To 50, Deduct	-40.57	
			For >50 To 75, Deduct	-56.79	
			For >75 To 100, Deduct	-81.14	
			For >100, Deduct	-97.36	
23 81 16 00-0013	EA		18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,149.92	141.26
			For >10 To 50, Deduct	-43.37	
			For >50 To 75, Deduct	-60.72	
			For >75 To 100, Deduct	-86.74	
			For >100, Deduct	-104.09	
23 81 16 00-0014	EA		22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,262.03	141.26
			For >10 To 50, Deduct	-48.98	
			For >50 To 75, Deduct	-68.57	
			For >75 To 100, Deduct	-97.95	
			For >100, Deduct	-117.54	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Decentralized Unitary HVAC Equipment	23 81



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0015	EA		25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2).....	1,276.04	141.26
			<i>For >10 To 50, Deduct</i>	-49.68	
			<i>For >50 To 75, Deduct</i>	-69.55	
			<i>For >75 To 100, Deduct</i>	-99.35	
			<i>For >100, Deduct</i>	-119.22	
23 81 16 00-0016	EA		28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2).....	1,895.51	141.26
			<i>For >10 To 50, Deduct</i>	-80.65	
			<i>For >50 To 75, Deduct</i>	-112.91	
			<i>For >75 To 100, Deduct</i>	-161.30	
			<i>For >100, Deduct</i>	-193.56	
23 81 16 00-0017			Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) <small>(23 81 16 00-0002)</small>		
23 81 16 00-0018	EA		8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	2,009.71	141.26
23 81 16 00-0019	EA		10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	2,201.81	141.26
23 81 16 00-0020	EA		11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	2,289.13	141.26
23 81 16 00-0021	EA		12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	2,324.06	141.26
23 81 16 00-0022	EA		20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	2,638.41	141.26
23 81 16 00-0023	EA		24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	3,424.29	141.26
23 81 16 00-0024	EA		28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C)	3,686.25	141.26
23 81 16 00-0025	EA		36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	4,035.53	141.26
23 81 16 00-0026			Heating And Cooling, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81 16 00-0027			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0026)</small>		
23 81 16 00-0028	EA		8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	1,093.87	141.26
			<i>For >10 To 50, Deduct</i>	-40.57	
			<i>For >50 To 75, Deduct</i>	-56.79	
			<i>For >75 To 100, Deduct</i>	-81.14	
			<i>For >100, Deduct</i>	-97.36	
23 81 16 00-0029	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	1,248.02	141.26
			<i>For >10 To 50, Deduct</i>	-48.28	
			<i>For >50 To 75, Deduct</i>	-67.59	
			<i>For >75 To 100, Deduct</i>	-96.55	
			<i>For >100, Deduct</i>	-115.86	
23 81 16 00-0030	EA		18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	1,332.09	141.26
			<i>For >10 To 50, Deduct</i>	-52.48	
			<i>For >50 To 75, Deduct</i>	-73.47	
			<i>For >75 To 100, Deduct</i>	-104.96	
			<i>For >100, Deduct</i>	-125.95	
23 81 16 00-0031	EA		25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	1,640.38	141.26
			<i>For >10 To 50, Deduct</i>	-67.89	
			<i>For >50 To 75, Deduct</i>	-95.05	
			<i>For >75 To 100, Deduct</i>	-135.79	
			<i>For >100, Deduct</i>	-162.94	
23 81 16 00-0032			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0026)</small>		
23 81 16 00-0033	EA		12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B).....	2,411.38	141.26
23 81 16 00-0034			Accessories <small>(23 81 16 00-0001)</small>		
23 81 16 00-0035	SET		Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	621.14	80.96
23 81 16 00-0036			Removal And Reinstallation Of Room Air-Conditioners <small>(23 81 16)</small>		
			Note: Includes storage and cleaning.		
23 81 16 00-0037	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	168.16	
23 81 16 00-0038	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	358.53	
23 81 16 00-0039			Through-The-Wall, Room Air-Conditioners <small>(23 81 16)</small>		
			Note: Base unit excludes wall sleeve.		
23 81 16 00-0040			Cooling Only, Through-The-Wall, Room Air-Conditioners <small>(23 81 16 00-0039)</small>		
23 81 16 00-0041			Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0040)</small>		
23 81 16 00-0042	EA		8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A).....	1,509.85	100.90
			<i>For >10 To 50, Deduct</i>	-65.40	
			<i>For >50 To 75, Deduct</i>	-91.56	
			<i>For >75 To 100, Deduct</i>	-130.81	
			<i>For >100, Deduct</i>	-156.97	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.25	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0043	EA		9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B).....	1,632.10	100.90
			<i>For >10 To 50, Deduct</i>	-71.52	
			<i>For >50 To 75, Deduct</i>	-100.12	
			<i>For >75 To 100, Deduct</i>	-143.03	
			<i>For >100, Deduct</i>	-171.64	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.25	
23 81 16 00-0044	EA		12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A).....	1,859.13	100.90
			<i>For >10 To 50, Deduct</i>	-82.87	
			<i>For >50 To 75, Deduct</i>	-116.01	
			<i>For >75 To 100, Deduct</i>	-165.73	
			<i>For >100, Deduct</i>	-198.88	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.25	
23 81 16 00-0045	EA		10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A).....	1,632.10	100.90
			<i>For >10 To 50, Deduct</i>	-71.52	
			<i>For >50 To 75, Deduct</i>	-100.12	
			<i>For >75 To 100, Deduct</i>	-143.03	
			<i>For >100, Deduct</i>	-171.64	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.25	
23 81 16 00-0046	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A).....	1,859.13	100.90
			<i>For >10 To 50, Deduct</i>	-82.87	
			<i>For >50 To 75, Deduct</i>	-116.01	
			<i>For >75 To 100, Deduct</i>	-165.73	
			<i>For >100, Deduct</i>	-198.88	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.25	
23 81 16 00-0047			Heating And Cooling, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)		
23 81 16 00-0048			Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0047)		
23 81 16 00-0049	EA		10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	1,911.53	100.90
			<i>For >10 To 50, Deduct</i>	-85.49	
			<i>For >50 To 75, Deduct</i>	-119.68	
			<i>For >75 To 100, Deduct</i>	-170.97	
			<i>For >100, Deduct</i>	-205.17	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.25	
23 81 16 00-0050	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....	2,051.24	100.90
			<i>For >10 To 50, Deduct</i>	-92.47	
			<i>For >50 To 75, Deduct</i>	-129.46	
			<i>For >75 To 100, Deduct</i>	-184.94	
			<i>For >100, Deduct</i>	-221.93	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.25	
23 81 23			Computer-Room Air-Conditioners (23 81)		
			Note: Includes equipment rigging. Indoor units include filters.		
23 81 23 12			Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units (23 81 23)		
23 81 23 12-0001			Floor Mounted Air Cooled Direct Expansion Type (23 81 23 12)		
			Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 12-0002	EA		3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	37,085.56	2,871.47
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	4,096.70	
23 81 23 12-0003	EA		5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	40,928.64	3,140.66
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	4,523.95	
23 81 23 12-0004	EA		6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	56,489.20	3,589.33
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	6,393.83	
23 81 23 12-0005	EA		8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	61,809.27	3,813.67
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	7,017.13	
23 81 23 12-0006	EA		10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	67,129.34	4,038.00
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	7,640.43	
23 81 23 12-0007	EA		16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	75,290.99	4,845.59
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	8,497.43	
23 81 23 12-0008	EA		20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	85,035.46	5,384.00
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	9,628.45	
23 81 23 12-0009	EA		22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	88,959.79	5,561.58
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	10,080.71	
23 81 23 12-0010	EA		24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	96,797.36	5,742.93
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	11,021.68	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Decentralized Unitary HVAC Equipment	23 81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0011 EA 30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping. <i>For Liebert Unit, Add</i>	104,733.29 11,890.48	6,460.79
23 81 23 12-0012 Floor Mounted Chilled Water Type <small>(23 81 23 12)</small> Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.		
23 81 23 12-0013 EA 3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	22,176.91 2,444.19	1,967.54
23 81 23 12-0014 EA 5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	23,851.86 2,618.25	2,179.43
23 81 23 12-0015 EA 12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	29,693.23 3,158.39	3,319.59
23 81 23 12-0016 EA 16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	31,011.21 3,315.91	3,363.32
23 81 23 12-0017 EA 20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	32,209.13 3,440.92	3,497.85
23 81 23 12-0018 EA 22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	33,039.69 3,490.93	3,834.18
23 81 23 12-0019 EA 31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	35,077.10 3,690.95	4,170.51
23 81 23 12-0020 Floor Mounted Water Source <small>(23 81 23 12)</small> Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.		
23 81 23 12-0021 EA 3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	17,324.02 1,830.25	1,794.66
23 81 23 12-0022 EA 5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	19,035.64 2,027.35	1,884.40
23 81 23 12-0023 EA 6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	24,519.02 2,696.09	1,974.14
23 81 23 12-0024 EA 8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	26,435.83 2,900.24	2,153.60
23 81 23 12-0025 EA 10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	29,183.20 3,209.97	2,333.06
23 81 23 12-0026 EA 12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	30,359.81 3,322.60	2,512.53
23 81 23 12-0027 EA 15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	31,711.04 3,463.39	2,691.99
23 81 23 12-0028 EA 20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	32,640.25 3,547.86	2,871.47
23 81 23 12-0029 EA 25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	37,383.34 4,035.93	3,409.86
23 81 23 12-0030 Floor Mounted Glycol System Type <small>(23 81 23 12)</small> Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0031 EA 3 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	44,546.62 5,240.41	1,967.54
23 81 23 12-0032 EA 5 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	47,948.59 5,630.34	2,179.43
23 81 23 12-0033 EA 6 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	74,011.29 8,844.45	2,441.77
23 81 23 12-0034 EA 9 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	76,362.56 9,094.64	2,704.11
23 81 23 12-0035 EA 10 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	81,725.12 9,721.23	2,966.44
23 81 23 12-0036 EA 16 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	97,819.85 11,664.13	3,363.32
23 81 23 12-0037 EA 20 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	107,262.94 12,822.65	3,497.85
23 81 23 12-0038 EA 22 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	111,227.65 13,264.42	3,834.18
23 81 23 12-0039 EA 30 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	135,502.50 16,244.13	4,170.51
23 81 23 12-0040 Removal And Reinstallation Of Computer Room Unit <small>(23 81 23 12)</small> Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81 23 12-0041 EA Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit.....	2,690.66	
23 81 23 12-0042 EA Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	2,242.21	

23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units (23 81 23)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner ^(23 81 23 13) Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.		
23 81 23 13-0002 EA 1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	14,632.36 1,669.19	852.94
23 81 23 13-0003 EA 1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	16,201.34 1,833.20	1,024.33
23 81 23 13-0004 EA 2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	18,535.39 2,076.69	1,281.96
23 81 23 13-0005 EA 3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	22,751.59 2,563.67	1,495.60
23 81 23 13-0006 EA 5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	30,738.31 3,537.64	1,625.56
23 81 26 Split-System Air-Conditioners ^(23 81)		
23 81 26 13 Small-Capacity Split-System Air-Conditioners ^(23 81 26)		
23 81 26 13-0001 Split System A/C Unit ^(23 81 26 13) See CSI section 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.		
23 81 26 13-0002 Ductless Split System Air Conditioners ^(23 81 26 13-0001) Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.		
23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners ^(23 81 26 13-0002)		
23 81 26 13-0004 EA 9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,340.88	443.95
23 81 26 13-0005 EA 11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,539.63	484.31
23 81 26 13-0006 EA 17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,150.85	538.14
23 81 26 13-0007 EA 24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,501.74	591.95
23 81 26 13-0008 EA 25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,281.52	645.76
23 81 26 13-0009 EA 29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,115.75	672.66
23 81 26 13-0010 EA 31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,701.42	717.05
23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners ^(23 81 26 13-0002) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 13-0012 EA 7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	1,018.06	215.26
23 81 26 13-0013 EA 9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	1,077.73	228.71
23 81 26 13-0014 EA 11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	1,138.29	242.16
23 81 26 13-0015 EA 17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	1,280.57	255.61
23 81 26 13-0016 EA 24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit and wireless thermostat.	1,368.96	269.07
23 81 26 13-0017 EA 19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,717.22	322.88
23 81 26 13-0018 EA 25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	3,004.43	349.78
23 81 26 13-0019 EA 30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	4,674.14	376.69
23 81 26 13-0020 Suspended Ceiling Mounted Ductless Split System Air Conditioners ^(23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0021 EA 24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,634.63	645.76
23 81 26 13-0022 EA 31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,867.59	770.88
23 81 26 13-0023 EA 39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,322.96	807.19
23 81 26 13-0024 Recessed Ceiling Mounted Ductless Split System Air Conditioners ^(23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0025 EA 11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,514.43	538.14
23 81 26 13-0026 EA 17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,086.17	591.95
23 81 26 13-0027 EA 24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,634.50	699.57



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	23 81 26	13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,508.50	770.88	
	23 81 26	13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,143.41	807.19	
23 81 26	13-0030	Ductless Split System Accessories <small>(23 81 26 13-0002)</small>					
	23 81 26	13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	14.52	1.93	
	23 81 26	13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	18.58	2.12	
	23 81 26	13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	23.05	2.33	
	23 81 26	13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.49	3.62	
	23 81 26	13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	41.40	3.98	
	23 81 26	13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	47.12	4.37	
	23 81 26	13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	60.30	7.23	
	23 81 26	13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	98.63	7.95	
	23 81 26	13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	110.07	8.75	
	23 81 26	13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	79.83	7.71	
	23 81 26	13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	93.47	8.49	
	23 81 26	13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	143.47	9.33	
	23 81 26	13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	60.30	7.23	
	23 81 26	13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	98.63	7.95	
	23 81 26	13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	110.07	8.75	
	23 81 26	13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	79.43	12.06	
	23 81 26	13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	114.70	13.26	
	23 81 26	13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	136.80	14.59	
	23 81 26	13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	43.43	2.41	
	23 81 26	13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	49.01	7.23	
	23 81 26	13-0051	EA	4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	78.30	7.95	
	23 81 26	13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	44.49	7.23	
	23 81 26	13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	60.23	7.95	
	23 81 26	13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	64.89	8.75	
	23 81 26	13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	207.66	9.64	
	23 81 26	13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	235.43	10.61	
	23 81 26	13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	141.18	36.17	
	23 81 26	13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	155.26	38.57	
	23 81 26	13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	207.75	40.98	
	23 81 26	13-0060	EA	End Cap, Set of 4.....	22.57		
	23 81 26	13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity	298.32	72.32	
	23 81 26	13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity	316.80	77.15	
	23 81 26	13-0063	LF	5/8" ID Condensate Drain Line	3.09	0.19	
	23 81 26	13-0064	LF	3/4" ID Condensate Drain Line	3.20	0.19	
23 81 26	13-0065	Cased A/C Evaporator Coils <small>(23 81 26 13-0001)</small>					
23 81 26	13-0066	Vertical Cased A/C Evaporator Coils <small>(23 81 26 13-0065)</small>					
	23 81 26	13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil.....	750.98	147.21	
	23 81 26	13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	785.83	158.25	
	23 81 26	13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil.....	924.78	169.28	
	23 81 26	13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil.....	1,047.34	180.33	
	23 81 26	13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil.....	1,200.85	187.69	
	23 81 26	13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	1,332.44	195.05	
	23 81 26	13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil.....	1,431.29	209.77	
	23 81 26	13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil.....	1,446.09	220.81	
23 81 26	13-0075	"A" Style Horizontal Cased A/C Evaporator Coils <small>(23 81 26 13-0065)</small>					
	23 81 26	13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	904.44	150.89	
	23 81 26	13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,032.69	159.35	
	23 81 26	13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,175.35	169.28	
	23 81 26	13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,218.27	175.40	
	23 81 26	13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,275.67	184.01	
	23 81 26	13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,295.00	193.57	
	23 81 26	13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,313.95	203.14	
23 81 26	13-0083	Slab Style Horizontal Cased A/C Evaporator Coils <small>(23 81 26 13-0065)</small>					
	23 81 26	13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	800.34	150.89	
	23 81 26	13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	954.37	169.28	
	23 81 26	13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	1,096.70	184.01	
	23 81 26	13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	1,312.13	203.14	
23 81 26	16	Large-Capacity Split-System Air-Conditioners <small>(23 81 26)</small>					
23 81 26	16-0001	Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) <small>(23 81 26 16)</small>					
23 81 26	16-0002	Outdoor Units <small>(23 81 26 16-0001)</small>					
	23 81 26	16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A).....	15,143.92	706.30	
	23 81 26	16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A).....	16,455.53	840.82	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0005	EA		10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A).....	18,556.17	1,009.00
23 81 26 16-0006	EA		12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A).....	22,749.08	1,042.63
23 81 26 16-0007	EA		12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A).....	30,114.17	1,076.26
23 81 26 16-0008	EA		14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YKMU-A).....	31,223.99	1,109.89
23 81 26 16-0009	EA		16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YKMU-A).....	32,333.80	1,143.52
23 81 26 16-0010	EA		18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YKMU-A).....	34,232.65	1,210.79
23 81 26 16-0011	EA		20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YKMU-A).....	36,131.49	1,278.06
23 81 26 16-0012	EA		22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YKMU-A).....	40,391.66	1,345.33
23 81 26 16-0013	EA		24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YKMU-A).....	44,651.82	1,412.59
23 81 26 16-0014 Indoor Units <small>(23 81 26 16-0001)</small>					
23 81 26 16-0015	EA		6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2).....	1,640.17	218.62
23 81 26 16-0016	EA		8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NBMU-E2).....	1,727.26	235.44
23 81 26 16-0017	EA		12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NBMU-E2).....	1,805.45	252.25
23 81 26 16-0018	EA		15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NBMU-E2).....	1,897.02	269.07
23 81 26 16-0019	EA		18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NBMU-E2).....	2,069.19	319.52
23 81 26 16-0020	EA		24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NBMU-E2).....	2,325.80	386.78
23 81 26 16-0021	EA		30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NBMU-E2).....	2,520.48	420.41
23 81 26 16-0022	EA		6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3).....	2,338.82	240.48
23 81 26 16-0023	EA		8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3).....	2,424.83	258.98
23 81 26 16-0024	EA		12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3).....	2,559.85	277.48
23 81 26 16-0025	EA		15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3).....	2,775.06	295.97
23 81 26 16-0026	EA		18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3).....	2,948.42	351.47
23 81 26 16-0027	EA		24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3).....	3,256.79	425.46
23 81 26 16-0028	EA		27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3).....	3,423.00	443.95
23 81 26 16-0029	EA		30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3).....	3,607.03	462.45
23 81 26 16-0030	EA		36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3).....	3,998.02	508.70
23 81 26 16-0031	EA		48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3).....	4,429.46	559.57
23 81 26 16-0032	EA		54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3).....	4,799.78	615.53
23 81 26 16-0033	EA		72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....	6,032.26	677.08
23 81 26 16-0034	EA		96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E).....	6,835.99	744.79
23 81 26 16-0035	EA		12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E).....	2,660.54	277.48
23 81 26 16-0036	EA		15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E).....	2,807.14	295.97
23 81 26 16-0037	EA		18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E).....	2,983.17	351.47
23 81 26 16-0038	EA		24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E).....	3,360.15	425.46
23 81 26 16-0039	EA		30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E).....	3,622.18	462.45
23 81 26 16-0040	EA		36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E).....	4,403.45	508.71
23 81 26 16-0041	EA		6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	2,387.83	240.48
23 81 26 16-0042	EA		8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	2,513.94	258.98
23 81 26 16-0043	EA		12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5).....	2,702.42	277.48
23 81 26 16-0044	EA		15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5).....	2,846.35	295.97
23 81 26 16-0045	EA		8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4).....	2,228.80	258.98
23 81 26 16-0046	EA		12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4).....	2,345.99	277.48
23 81 26 16-0047	EA		15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4).....	2,467.64	295.97
23 81 26 16-0048 Controllers For Outdoor Units <small>(23 81 26 16-0001)</small>					
23 81 26 16-0049	EA		8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1).....	8,111.32	201.80
23 81 26 16-0050	EA		10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1).....	9,381.52	235.44
23 81 26 16-0051	EA		13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA).....	10,371.05	269.07
23 81 26 16-0052	EA		16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA).....	12,300.64	302.70
23 81 26 16-0053	EA		4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB).....	4,532.82	134.53
23 81 26 16-0054	EA		8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB).....	6,979.67	201.80
23 81 26 16-0055	EA		16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB).....	10,665.54	302.70
23 81 26 16-0056 Energy Recovery Units <small>(23 81 26 16-0001)</small>					
23 81 26 16-0057	EA		36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU).....	5,767.82	201.80
23 81 26 16-0058	EA		39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU).....	10,829.07	201.80
23 81 26 16-0059	EA		112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR).....	10,998.80	235.44
23 81 26 16-0060	EA		Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E).....	2,341.23	168.16
23 81 26 16-0061	EA		Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E).....	2,965.06	174.89
23 81 26 16-0062	EA		Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E).....	3,522.07	181.62
23 81 26 16-0063	EA		Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1).....	6,360.38	201.80



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0064				Piping Specialties (23 81 26 16-0001)		
			EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	793.05	
			EA	Branch Joint (Mitsubishi CMY-Y102SS-G2)	244.03	55.92
			EA	Branch Joint (Mitsubishi CMY-Y102LS-G2)	244.03	55.92
			EA	Branch Joint (Mitsubishi CMY-Y202S-G2)	269.20	58.87
			EA	Branch Joint (Mitsubishi CMY-Y302S-G2)	332.93	66.23
			EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	440.81	95.65
			EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	765.78	191.31
			EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	131.74	23.55
			EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	152.07	32.37
23 81 26 16-0074				Split System Air Conditioners (Daikin VRV) (23 81 26 16 16)		
23 81 26 16-0075				Heat Pump Outdoor Units (23 81 26 16-0074)		
			EA	6 Ton Heat Pump Outdoor Unit (Daikin RXYQ72PBTJ)	24,730.36	706.30
			EA	8 Ton Heat Pump Outdoor Unit (Daikin RXYQ96PBTJ)	27,658.47	840.82
			EA	10 Ton Heat Pump Outdoor Unit (Daikin RXYQ120PBTJ)	30,858.39	1,009.00
			EA	12 Ton Heat Pump Outdoor Unit (Daikin RXYQ144PBTJ)	38,493.71	1,042.63
			EA	14 Ton Heat Pump Outdoor Unit (Daikin RXYQ168PBTJ)	51,514.37	1,109.89
			EA	16 Ton Heat Pump Outdoor Unit (Daikin RXYQ192PBTJ)	54,445.22	1,143.52
			EA	18 Ton Heat Pump Outdoor Unit (Daikin RXYQ216PBTJ)	57,238.80	1,210.79
			EA	20 Ton Heat Pump Outdoor Unit (Daikin RXYQ240PBTJ)	60,236.92	1,278.06
			EA	22 Ton Heat Pump Outdoor Unit (Daikin RXYQ264PBTJ)	77,962.06	1,345.33
			EA	24 Ton Heat Pump Outdoor Unit (Daikin RXYQ288PBTJ)	80,960.16	1,412.59
			EA	26 Ton Heat Pump Outdoor Unit (Daikin RXYQ312PBTJ)	83,958.28	1,479.86
			EA	28 Ton Heat Pump Outdoor Unit (Daikin RXYQ336PBTJ)	86,751.86	1,547.12
			EA	30 Ton Heat Pump Outdoor Unit (Daikin RXYQ360PBTJ)	89,749.98	1,614.40
23 81 26 16-0089				Heat Recovery Heat Pump Outdoor Units (23 81 26 16-0074)		
			EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ72PBTJ)	31,674.39	918.19
			EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ96PBTJ)	34,569.37	1,093.08
			EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ120PBTJ)	38,009.12	1,311.70
			EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ144PBTJ)	47,710.04	1,355.42
			EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ168PBTJ)	64,452.81	1,442.86
			EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ192PBTJ)	69,449.27	1,486.58
			EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ216PBTJ)	72,078.66	1,574.03
			EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ240PBTJ)	74,708.05	1,661.48
			EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ264PBTJ)	98,302.99	1,748.92
			EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ288PBTJ)	100,932.38	1,836.37
			EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ312PBTJ)	106,016.28	1,923.81
			EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ336PBTJ)	108,645.67	2,011.27
23 81 26 16-0102				Indoor Units (23 81 26 16-0074)		
			EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ07PVJU)	2,863.61	235.44
			EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ09PVJU)	2,990.91	242.16
			EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ12PVJU)	3,379.65	252.25
			EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ18PVJU)	3,795.92	319.52
			EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ24PVJU)	4,173.59	386.78
			EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ07PVJU)	4,176.55	258.98
			EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ09PVJU)	4,316.77	266.37
			EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ12PVJU)	4,533.87	147.98
			EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ18PVJU)	4,826.57	351.47
			EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ24PVJU)	5,721.32	425.46
			EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ30PVJU)	6,538.24	462.45
			EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ36PVJU)	6,989.64	508.70
			EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ48PVJU)	7,236.11	559.57
			EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ07M7VJU)	4,666.68	258.98
			EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ09M7VJU)	4,777.96	266.37
			EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ12M7VJU)	5,079.96	277.48
			EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ18M7VJU)	5,430.55	351.47
23 81 26 16-0120				Branch Selector Boxes (23 81 26 16-0074)		
			EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin BSV4Q36PVJU)	14,105.16	302.70
			EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin BSV6Q36PVJU)	20,852.29	403.60
			EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin BSVQ36PVJU)	2,796.90	134.53
			EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ60PVJU)	3,774.68	201.80
			EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ96PVJU)	4,696.24	302.70
23 81 26 16-0126				Controllers (23 81 26 16-0074)		
			EA	Up To 16 Units, Navigation Controller (Daikin BRC1E71)	896.20	26.91
			EA	Individual Zone Controller (Daikin BRC2A71)	656.93	26.91
			EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin DCS301C71)	1,241.61	26.91
			EA	Up To 64 Units, Multizone Controller (Daikin DCS302C71)	1,725.95	26.91
			EA	I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin DCM601A71)	16,157.37	322.88
			EA	I-Touch Manager D3net Plus Adapter (Daikin DCM601A72)	2,970.57	26.91

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0133	EA		24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin DACA-TS1-1)	657.56	47.49
23 81 26 16-0134			Energy Recovery Units <small>(23 81 26 16-0074)</small>		
23 81 26 16-0135	EA		300 CFM Energy Recovery Unit (Daikin VAM300GVJU)	4,888.35	168.16
23 81 26 16-0136	EA		470 CFM Energy Recovery Unit (Daikin VAM470GVJU)	6,333.59	174.89
23 81 26 16-0137	EA		600 CFM Energy Recovery Unit (Daikin VAM600GVJU)	7,574.30	181.62
23 81 26 16-0138	EA		1,200 CFM Energy Recovery Unit (Daikin VAM1200GVJU)	14,107.90	201.80
23 81 43			Air-Source Unitary Heat Pumps <small>(23 81)</small>		
23 81 43 00-0001			Single Package Thru-Wall Heat Pumps <small>(23 81 43)</small>		
<p>Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0854 for crane lifting equipment.</p>					
23 81 43 00-0002	EA		1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,082.00	218.88
			<i>For Unit Economizer, Add</i>	274.55	
			<i>For >35 To 70, Deduct</i>	-49.76	
			<i>For >70 To 100, Deduct</i>	-82.94	
			<i>For >100, Deduct</i>	-116.12	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	255.09	
23 81 43 00-0003	EA		1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,295.50	233.48
			<i>For Unit Economizer, Add</i>	303.28	
			<i>For >35 To 70, Deduct</i>	-55.29	
			<i>For >70 To 100, Deduct</i>	-92.16	
			<i>For >100, Deduct</i>	-129.02	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	278.97	
23 81 43 00-0004	EA		1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	3,843.74	233.48
			<i>For Unit Economizer, Add</i>	520.03	
			<i>For >35 To 70, Deduct</i>	-101.74	
			<i>For >70 To 100, Deduct</i>	-169.57	
			<i>For >100, Deduct</i>	-237.40	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	418.31	
23 81 43 00-0005	EA		2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,204.69	233.48
			<i>For Unit Economizer, Add</i>	569.40	
			<i>For >35 To 70, Deduct</i>	-111.69	
			<i>For >70 To 100, Deduct</i>	-186.16	
			<i>For >100, Deduct</i>	-260.62	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	232.08	
23 81 43 00-0006	EA		2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,749.96	248.07
			<i>For Unit Economizer, Add</i>	644.57	
			<i>For >35 To 70, Deduct</i>	-127.18	
			<i>For >70 To 100, Deduct</i>	-211.96	
			<i>For >100, Deduct</i>	-296.75	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	254.86	
23 81 43 00-0007	EA		3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,971.14	262.65
			<i>For Unit Economizer, Add</i>	675.53	
			<i>For >35 To 70, Deduct</i>	-133.81	
			<i>For >70 To 100, Deduct</i>	-223.02	
			<i>For >100, Deduct</i>	-312.23	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	707.53	
23 81 43 00-0008	EA		3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,590.14	262.65
			<i>For Unit Economizer, Add</i>	761.02	
			<i>For >35 To 70, Deduct</i>	-151.51	
			<i>For >70 To 100, Deduct</i>	-252.51	
			<i>For >100, Deduct</i>	-353.52	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	791.51	
23 81 43 00-0009	EA		4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,157.67	277.24
			<i>For Unit Economizer, Add</i>	839.89	
			<i>For >35 To 70, Deduct</i>	-168.10	
			<i>For >70 To 100, Deduct</i>	-280.16	
			<i>For >100, Deduct</i>	-392.22	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	867.04	
23 81 43 00-0010	EA		5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	7,093.06	321.02
			<i>For Unit Economizer, Add</i>	967.35	
			<i>For >35 To 70, Deduct</i>	-193.53	
			<i>For >70 To 100, Deduct</i>	-322.55	
			<i>For >100, Deduct</i>	-451.57	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	999.14	
23 81 43 00-0011	EA		7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	12,901.29	379.39
			<i>For Unit Economizer, Add</i>	1,775.25	
			<i>For >35 To 70, Deduct</i>	-363.84	
			<i>For >70 To 100, Deduct</i>	-606.40	
			<i>For >100, Deduct</i>	-848.95	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,769.97	
23 81 43 00-0012	EA		10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	16,607.55	481.53
			<i>For Unit Economizer, Add</i>	2,285.95	
			<i>For >35 To 70, Deduct</i>	-468.90	
			<i>For >70 To 100, Deduct</i>	-781.49	
			<i>For >100, Deduct</i>	-1,094.09	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	400.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0013 EA 12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	20,248.55	539.91
For Unit Economizer, Add	2,791.60	
For >35 To 70, Deduct	-575.06	
For >70 To 100, Deduct	-958.44	
For >100, Deduct	-1,341.81	
For Low Ambient Protection, 0 Degree F, Add	461.64	
23 81 43 00-0014 EA 15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	24,950.89	612.87
For Unit Economizer, Add	3,444.68	
For >35 To 70, Deduct	-712.19	
For >70 To 100, Deduct	-1,186.99	
For >100, Deduct	-1,661.78	
For Low Ambient Protection, 0 Degree F, Add	540.18	
23 81 43 00-0015 EA 20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	33,162.89	656.64
For Unit Economizer, Add	4,590.27	
For >35 To 70, Deduct	-955.49	
For >70 To 100, Deduct	-1,592.48	
For >100, Deduct	-2,229.47	
For Low Ambient Protection, 0 Degree F, Add	646.82	
23 81 43 00-0016 EA 25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	39,914.95	715.01
For Unit Economizer, Add	5,530.89	
For >35 To 70, Deduct	-1,154.55	
For >70 To 100, Deduct	-1,924.25	
For >100, Deduct	-2,693.95	
For Low Ambient Protection, 0 Degree F, Add	742.35	
23 81 43 00-0017 Single Package Vertical Wall Heat Pumps (23 81 43)		
Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0854 for crane lifting equipment.		
23 81 43 00-0018 EA 1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,190.04	291.84
23 81 43 00-0019 EA 1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,846.09	321.02
23 81 43 00-0020 EA 1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	4,934.01	335.62
23 81 43 00-0021 EA 2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	5,647.12	364.80
23 81 43 00-0022 EA 2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	7,045.47	423.17
23 81 43 00-0023 EA 3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	7,537.68	481.53
23 81 43 00-0024 EA 3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	8,198.37	539.91
23 81 43 00-0025 EA 4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	9,220.59	598.28
23 81 43 00-0026 EA 5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	10,415.29	715.01
23 81 43 00-0027 Heat Pump, Room Air-Conditioners (23 81 43)		
Note: Includes throwaway filters and supplemental heat.		
23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners (23 81 43 00-0027)		
23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) (23 81 43 00-0028)		
23 81 43 00-0030 EA 10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C).....	2,463.77	141.26
For >10 To 50, Deduct	-109.06	
For >50 To 75, Deduct	-152.69	
For >75 To 100, Deduct	-218.13	
For >100, Deduct	-261.75	
23 81 43 00-0031 EA 12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C).....	2,778.13	141.26
For >10 To 50, Deduct	-124.78	
For >50 To 75, Deduct	-174.69	
For >75 To 100, Deduct	-249.56	
For >100, Deduct	-299.47	
23 81 43 00-0032 EA 17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A).....	3,249.65	141.26
For >10 To 50, Deduct	-148.36	
For >50 To 75, Deduct	-207.70	
For >75 To 100, Deduct	-296.71	
For >100, Deduct	-356.06	
23 81 43 00-0033 EA 24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D).....	3,773.57	141.26
For >10 To 50, Deduct	-174.55	
For >50 To 75, Deduct	-244.37	
For >75 To 100, Deduct	-349.11	
For >100, Deduct	-418.93	
23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners (23 81 43 00-0027)		
Note: Base unit excludes wall sleeve.		
23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 43 00-0034)		
23 81 43 00-0036 EA 9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D).....	2,470.37	100.90
For >10 To 50, Deduct	-113.43	
For >50 To 75, Deduct	-158.80	
For >75 To 100, Deduct	-226.86	
For >100, Deduct	-272.23	
For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	305.25	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0037	EA		11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A)	2,470.37	100.90
			<i>For >10 To 50, Deduct</i>	-113.43	
			<i>For >50 To 75, Deduct</i>	-158.80	
			<i>For >75 To 100, Deduct</i>	-226.86	
			<i>For >100, Deduct</i>	-272.23	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	305.25	
23 81 46 Water-Source Unitary Heat Pumps (23 81)					
23 81 46 00-0001			Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps (23 81 46)		
			Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		
23 81 46 00-0002	EA		7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,462.64	294.42
23 81 46 00-0003	EA		9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,568.21	294.42
23 81 46 00-0004	EA		12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	4,117.40	323.86
23 81 46 00-0005	EA		19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	4,342.85	353.29
23 81 46 00-0006	EA		24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	4,659.79	382.74
23 81 46 00-0007	EA		30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,469.38	412.18
23 81 46 00-0008	EA		36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,598.64	441.62
23 81 46 00-0009	EA		42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,103.26	471.06
23 81 46 00-0010	EA		48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,514.03	500.50
23 81 46 00-0011	EA		60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,631.57	529.95
23 81 49 Split System Heat Pumps (23 81)					
23 81 49 00-0001			Air Cooled, Outdoor Section (23 81 49)		
			Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.		
23 81 49 00-0002	EA		1.5 Ton, 14 SEER, Outdoor Heat Pump Unit	4,180.80	433.38
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	763.27	
			<i>For Winterstart Control, Add</i>	206.63	
			<i>For 15 SEER, Add</i>	634.35	
			<i>For 16 SEER, Add</i>	1,022.01	
			<i>For 18 SEER, Add</i>	1,550.63	
23 81 49 00-0003	EA		2 Ton, 14 SEER, Outdoor Heat Pump Unit	4,322.44	481.53
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	793.18	
			<i>For Winterstart Control, Add</i>	216.67	
			<i>For 15 SEER, Add</i>	646.71	
			<i>For 16 SEER, Add</i>	1,041.92	
			<i>For 18 SEER, Add</i>	1,580.85	
23 81 49 00-0004	EA		2.5 Ton, 14 SEER, Outdoor Heat Pump Unit	4,732.85	558.87
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	872.29	
			<i>For Winterstart Control, Add</i>	240.09	
			<i>For 15 SEER, Add</i>	699.57	
			<i>For 16 SEER, Add</i>	1,127.09	
			<i>For 18 SEER, Add</i>	1,710.07	
23 81 49 00-0005	EA		3 Ton, 14 SEER, Outdoor Heat Pump Unit	5,176.74	642.04
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	747.68	
			<i>For Winterstart Control, Add</i>	265.44	
			<i>For 15 SEER, Add</i>	756.70	
			<i>For 16 SEER, Add</i>	1,219.13	
			<i>For 18 SEER, Add</i>	1,849.71	
23 81 49 00-0006	EA		3.5 Ton, 14 SEER, Outdoor Heat Pump Unit	5,341.97	666.86
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	772.36	
			<i>For Winterstart Control, Add</i>	274.29	
			<i>For 15 SEER, Add</i>	779.72	
			<i>For 16 SEER, Add</i>	1,256.22	
			<i>For 18 SEER, Add</i>	1,905.98	
23 81 49 00-0007	EA		4 Ton, 14 SEER, Outdoor Heat Pump Unit	5,928.28	766.08
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	853.67	
			<i>For Winterstart Control, Add</i>	302.80	
			<i>For 15 SEER, Add</i>	870.10	
			<i>For 16 SEER, Add</i>	1,401.83	
			<i>For 18 SEER, Add</i>	2,126.91	
23 81 49 00-0008	EA		5 Ton, 14 SEER, Outdoor Heat Pump Unit	6,741.14	842.68
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	577.83	
			<i>For Winterstart Control, Add</i>	175.76	
			<i>For 15 SEER, Add</i>	996.71	
			<i>For 16 SEER, Add</i>	1,605.82	
			<i>For 18 SEER, Add</i>	2,436.41	
23 81 49 00-0009	EA		7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit	7,050.22	941.73
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	621.58	
			<i>For Winterstart Control, Add</i>	191.58	
23 81 49 00-0010	EA		10 Ton, 11.1 EER, Outdoor Heat Pump Unit	9,693.17	1,130.07
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	484.85	
			<i>For Winterstart Control, Add</i>	242.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0011 EA 15 Ton, 10.9 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	12,689.40 550.34 296.00	1,318.42
23 81 49 00-0012 EA 20 Ton, 10.3 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	22,471.05 585.00 406.29	1,412.59
23 81 49 00-0013 Indoor Section, Horizontal Upflow (23 81 49) Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0014 EA 2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,233.37 108.87	143.95
23 81 49 00-0015 EA 2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,369.53 119.02	179.33
23 81 49 00-0016 EA 3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,444.75 122.78	216.59
23 81 49 00-0017 EA 3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,928.02 167.42	253.60
23 81 49 00-0018 EA 4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,992.83 170.66	285.88
23 81 49 00-0019 EA 5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat For Additional 5 KW Electric Heat, Add	2,215.83 188.77	328.26
23 81 49 00-0020 EA 7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat For Additional 5 KW Electric Heat, Add	4,647.37 410.92	538.14
23 81 49 00-0021 EA 10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat For Additional 5 KW Electric Heat, Add	6,757.97 615.26	605.40
23 81 49 00-0022 EA 15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15kW Electric Heat For Additional 5 KW Electric Heat, Add	9,392.64 872.00	672.66
23 81 49 00-0023 EA 20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	10,696.73 988.94	807.19
23 81 49 00-0024 Ductless Split System Heat Pumps (23 81 49) Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0024)		
23 81 49 00-0026 EA 9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,520.43	443.95
23 81 49 00-0027 EA 11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,785.61	484.31
23 81 49 00-0028 EA 17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,380.67	538.14
23 81 49 00-0029 EA 24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,883.28	591.95
23 81 49 00-0030 EA 25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,424.56	645.76
23 81 49 00-0031 EA 29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,252.21	672.66
23 81 49 00-0032 EA 31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,849.55	717.05
23 81 49 00-0033 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0024) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034 EA 7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,057.56	215.26
23 81 49 00-0035 EA 9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,118.13	228.71
23 81 49 00-0036 EA 11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,179.59	242.16
23 81 49 00-0037 EA 17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,335.33	255.61
23 81 49 00-0038 EA 24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,422.82	269.07
23 81 49 00-0039 EA 19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,049.38	322.88
23 81 49 00-0040 EA 23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,601.42	349.78
23 81 49 00-0041 EA 30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	5,757.70	376.69
23 81 49 00-0042 Suspended Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0024) Note: Excludes hangers.		
23 81 49 00-0043 EA 24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,778.27	645.76
23 81 49 00-0044 EA 31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,015.72	770.88

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0045 EA 39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	8,412.73	807.19
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0046 Recessed Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0024)		
Note: Excludes hangers.		
23 81 49 00-0047 EA 11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	3,873.53	538.14
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0048 EA 17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	4,388.70	591.95
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0049 EA 24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	5,778.14	699.57
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0050 EA 32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	6,656.63	770.88
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0051 EA 39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	8,233.19	807.19
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 82 Convection Heating and Cooling Units (23 80)		
23 82 16 Air Coils (23 82)		
23 82 16 11 Hydronic Air Coils (23 82 16)		
23 82 16 11-0001 Chilled Water Cooling Coils (23 82 16 11)		
Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 11-0002 2 Row Chilled Water Cooling Coils (23 82 16 11-0001)		
23 82 16 11-0003 EA 12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,835.61	73.60
23 82 16 11-0004 EA 12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,037.86	100.10
23 82 16 11-0005 EA 24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,098.70	157.51
23 82 16 11-0006 EA 24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,967.38	225.22
23 82 16 11-0007 EA 30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,289.05	276.75
23 82 16 11-0008 EA 30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,929.84	335.63
23 82 16 11-0009 EA 30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,366.84	388.62
23 82 16 11-0010 EA 30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,902.84	686.57
23 82 16 11-0011 EA 34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,221.53	261.00
23 82 16 11-0012 EA 34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,456.81	444.42
23 82 16 11-0013 EA 34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,109.93	552.03
23 82 16 11-0014 EA 34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,738.05	666.70
23 82 16 11-0015 EA 34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,374.65	776.37
23 82 16 11-0016 4 Row Chilled Water Cooling Coils (23 82 16 11-0001)		
23 82 16 11-0017 EA 12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,283.31	153.09
23 82 16 11-0018 EA 12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,667.92	220.81
23 82 16 11-0019 EA 24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,018.73	368.02
23 82 16 11-0020 EA 24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,163.78	546.14
23 82 16 11-0021 EA 30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,136.37	669.80
23 82 16 11-0022 EA 30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,487.96	818.47
23 82 16 11-0023 EA 30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,473.96	981.87
23 82 16 11-0024 EA 30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,311.51	1,142.91
23 82 16 11-0025 EA 34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,796.04	493.29
23 82 16 11-0026 EA 34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,422.21	741.93
23 82 16 11-0027 EA 34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,246.39	920.04
23 82 16 11-0028 EA 34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,243.05	1,108.47
23 82 16 11-0029 EA 34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,160.05	1,295.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0030 6 Row Chilled Water Cooling Coils <small>(23 82 16 11-0001)</small>		
23 82 16 11-0031 EA 12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,220.56	194.32
23 82 16 11-0032 EA 12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,805.78	288.52
23 82 16 11-0033 EA 24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,198.20	491.67
23 82 16 11-0034 EA 24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,072.53	736.03
23 82 16 11-0035 EA 30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,285.40	920.04
23 82 16 11-0036 EA 30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,566.58	1,132.02
23 82 16 11-0037 EA 30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	12,296.10	1,338.11
23 82 16 11-0038 EA 30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	11,765.84	1,559.36
23 82 16 11-0039 EA 34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,267.27	674.06
23 82 16 11-0040 EA 34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,330.65	1,011.02
23 82 16 11-0041 EA 34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,529.50	1,265.98
23 82 16 11-0042 EA 34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	11,688.91	1,520.80
23 82 16 11-0043 EA 34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	12,853.50	1,769.28
23 82 16 11-0044 8 Row Chilled Water Cooling Coils <small>(23 82 16 11-0001)</small>		
23 82 16 11-0045 EA 12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,025.26	234.06
23 82 16 11-0046 EA 12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,934.90	359.19
23 82 16 11-0047 EA 24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,374.68	640.35
23 82 16 11-0048 EA 24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,803.40	981.87
23 82 16 11-0049 EA 30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	11,776.57	1,227.71
23 82 16 11-0050 EA 30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	13,683.86	1,472.07
23 82 16 11-0051 EA 30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	15,724.06	1,635.47
23 82 16 11-0052 EA 30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	13,521.92	1,897.06
23 82 16 11-0053 EA 34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,302.10	821.42
23 82 16 11-0054 EA 34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,692.08	1,234.92
23 82 16 11-0055 EA 34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	12,082.64	1,538.31
23 82 16 11-0056 EA 34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	13,408.55	1,840.08
23 82 16 11-0057 EA 34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	14,808.93	2,164.82
23 82 16 11-0058 Hot Water Heating Coils <small>(23 82 16 11)</small>		
Note: Flanged construction.		
23 82 16 11-0059 1 Row Hot Water Heating Coils <small>(23 82 16 11-0058)</small>		
23 82 16 11-0060 EA 12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,490.13	198.73
<i>For 10 Fins Per Inch, Add</i>	21.85	
<i>For 12 Fins Per Inch, Add</i>	54.61	
<i>For 230 PSIG Heavy Duty, Add</i>	337.81	
23 82 16 11-0061 EA 12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,195.66	254.67
<i>For 10 Fins Per Inch, Add</i>	33.76	
<i>For 12 Fins Per Inch, Add</i>	84.40	
<i>For 230 PSIG Heavy Duty, Add</i>	489.89	
23 82 16 11-0062 EA 24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,686.92	350.36
<i>For 10 Fins Per Inch, Add</i>	39.72	
<i>For 12 Fins Per Inch, Add</i>	99.30	
<i>For 230 PSIG Heavy Duty, Add</i>	607.48	
23 82 16 11-0063 EA 24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,215.57	491.67
<i>For 10 Fins Per Inch, Add</i>	44.68	
<i>For 12 Fins Per Inch, Add</i>	111.71	
<i>For 230 PSIG Heavy Duty, Add</i>	741.25	
23 82 16 11-0064 EA 30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,660.09	588.83
<i>For 10 Fins Per Inch, Add</i>	49.65	
<i>For 12 Fins Per Inch, Add</i>	124.12	
<i>For 230 PSIG Heavy Duty, Add</i>	849.78	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0065	EA		30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction.....	4,302.04	736.03
			<i>For 10 Fins Per Inch, Add</i>	56.60	
			<i>For 12 Fins Per Inch, Add</i>	141.50	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,007.62	
23 82 16 11-0066	EA		30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	4,813.14	817.00
			<i>For 10 Fins Per Inch, Add</i>	63.55	
			<i>For 12 Fins Per Inch, Add</i>	158.88	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,126.19	
23 82 16 11-0067	EA		30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	5,934.46	949.92
			<i>For 10 Fins Per Inch, Add</i>	80.55	
			<i>For 12 Fins Per Inch, Add</i>	201.38	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,377.57	
23 82 16 11-0068	EA		34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,562.24	411.60
			<i>For 10 Fins Per Inch, Add</i>	34.78	
			<i>For 12 Fins Per Inch, Add</i>	86.95	
			<i>For 230 PSIG Heavy Duty, Add</i>	594.78	
23 82 16 11-0069	EA		34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,843.34	617.54
			<i>For 10 Fins Per Inch, Add</i>	52.17	
			<i>For 12 Fins Per Inch, Add</i>	130.42	
			<i>For 230 PSIG Heavy Duty, Add</i>	892.16	
23 82 16 11-0070	EA		34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	5,780.71	934.03
			<i>For 10 Fins Per Inch, Add</i>	78.25	
			<i>For 12 Fins Per Inch, Add</i>	195.63	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,342.95	
23 82 16 11-0071	EA		34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	6,729.47	1,082.42
			<i>For 10 Fins Per Inch, Add</i>	91.29	
			<i>For 12 Fins Per Inch, Add</i>	228.23	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,562.38	
23 82 16 11-0072	SF		>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction.....	308.82	54.47
			<i>For 10 Fins Per Inch, Add</i>	4.00	
			<i>For 12 Fins Per Inch, Add</i>	9.99	
			<i>For 230 PSIG Heavy Duty, Add</i>	72.66	
23 82 16 11-0073			2 Row Hot Water Heating Coils (23 82 16 11-0058)		
23 82 16 11-0074	EA		12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,377.34	245.84
			<i>For 10 Fins Per Inch, Add</i>	37.73	
			<i>For 12 Fins Per Inch, Add</i>	94.33	
			<i>For 230 PSIG Heavy Duty, Add</i>	524.54	
23 82 16 11-0075	EA		12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,590.56	326.80
			<i>For 10 Fins Per Inch, Add</i>	38.73	
			<i>For 12 Fins Per Inch, Add</i>	96.82	
			<i>For 230 PSIG Heavy Duty, Add</i>	583.54	
23 82 16 11-0076	EA		24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,513.46	491.67
			<i>For 10 Fins Per Inch, Add</i>	50.64	
			<i>For 12 Fins Per Inch, Add</i>	126.60	
			<i>For 230 PSIG Heavy Duty, Add</i>	800.83	
23 82 16 11-0077	EA		24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,281.59	700.70
			<i>For 10 Fins Per Inch, Add</i>	57.59	
			<i>For 12 Fins Per Inch, Add</i>	143.98	
			<i>For 230 PSIG Heavy Duty, Add</i>	996.52	
23 82 16 11-0078	EA		30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,959.01	865.58
			<i>For 10 Fins Per Inch, Add</i>	64.54	
			<i>For 12 Fins Per Inch, Add</i>	161.36	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,164.99	
23 82 16 11-0079	EA		30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,330.12	1,051.06
			<i>For 10 Fins Per Inch, Add</i>	64.54	
			<i>For 12 Fins Per Inch, Add</i>	161.36	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,276.32	
23 82 16 11-0080	EA		30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	6,028.15	1,227.71
			<i>For 10 Fins Per Inch, Add</i>	71.49	
			<i>For 12 Fins Per Inch, Add</i>	178.74	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,450.98	
23 82 16 11-0081	EA		30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	7,383.97	1,426.44
			<i>For 10 Fins Per Inch, Add</i>	90.62	
			<i>For 12 Fins Per Inch, Add</i>	226.56	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,762.08	
23 82 16 11-0082	EA		34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,187.10	615.48
			<i>For 10 Fins Per Inch, Add</i>	39.13	
			<i>For 12 Fins Per Inch, Add</i>	97.81	
			<i>For 230 PSIG Heavy Duty, Add</i>	760.50	
23 82 16 11-0083	EA		34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,783.75	924.61
			<i>For 10 Fins Per Inch, Add</i>	58.69	
			<i>For 12 Fins Per Inch, Add</i>	146.72	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,141.68	
23 82 16 11-0084	EA		34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	7,189.64	1,394.05
			<i>For 10 Fins Per Inch, Add</i>	88.03	
			<i>For 12 Fins Per Inch, Add</i>	220.08	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,716.73	
23 82 16 11-0085	EA		34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	8,392.07	1,628.41
			<i>For 10 Fins Per Inch, Add</i>	102.71	
			<i>For 12 Fins Per Inch, Add</i>	256.76	
			<i>For 230 PSIG Heavy Duty, Add</i>	2,004.09	



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

23 82 16 11-0086 Hot Water Preheat Coils For Multi-Zone Air Handling Units (23 82 16 11)

Note: 2 Row coils. Coils are sized by air handling unit capacity.

23 82 16 11-0087	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,926.67	186.96
23 82 16 11-0088	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,443.02	185.48
23 82 16 11-0089	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,984.55	198.73
23 82 16 11-0090	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,461.53	216.39
23 82 16 11-0091	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,481.50	226.70
23 82 16 11-0092	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,198.51	238.48
23 82 16 11-0093	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,358.24	267.92
23 82 16 11-0094	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,820.97	300.30
23 82 16 11-0095	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,434.70	359.19
23 82 16 11-0096	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,918.36	376.85
23 82 16 11-0097	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	7,547.92	398.93
23 82 16 11-0098	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	9,629.98	546.14
23 82 16 11-0099	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	12,092.14	669.80
23 82 16 11-0100	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	14,052.74	700.70
23 82 16 11-0101	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	16,505.38	817.00

23 82 16 12 Steam Air Coils (23 82 16)

23 82 16 12-0001 Steam Heating Coils (23 82 16 12)

Note: Flanged construction.

23 82 16 12-0002	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction	2,243.72	138.38
		For 2 Row Coil, Add	728.15	
		For 4 Row Coil, Add	1,913.29	
23 82 16 12-0003	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction	2,491.53	191.37
		For 2 Row Coil, Add	823.93	
		For 4 Row Coil, Add	2,157.64	
23 82 16 12-0004	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction	3,285.99	342.99
		For 2 Row Coil, Add	1,122.73	
		For 4 Row Coil, Add	2,923.20	
23 82 16 12-0005	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,145.14	491.67
		For 2 Row Coil, Add	1,439.82	
		For 4 Row Coil, Add	3,738.11	
23 82 16 12-0006	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,622.64	588.83
		For 2 Row Coil, Add	1,622.32	
		For 4 Row Coil, Add	4,204.51	
23 82 16 12-0007	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction	5,198.27	736.03
		For 2 Row Coil, Add	1,853.90	
		For 4 Row Coil, Add	4,791.61	
23 82 16 12-0008	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction	5,713.36	817.00
		For 2 Row Coil, Add	2,041.13	
		For 4 Row Coil, Add	5,274.01	
23 82 16 12-0009	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction	7,075.50	953.46
		For 2 Row Coil, Add	2,504.01	
		For 4 Row Coil, Add	6,480.33	
23 82 16 12-0010	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction	3,054.88	411.60
		For 2 Row Coil, Add	1,081.12	
		For 4 Row Coil, Add	2,797.92	
23 82 16 12-0011	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,582.33	617.54
		For 2 Row Coil, Add	1,621.69	
		For 4 Row Coil, Add	4,196.90	
23 82 16 12-0012	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction	6,870.35	924.61
		For 2 Row Coil, Add	2,430.97	
		For 4 Row Coil, Add	6,291.50	
23 82 16 12-0013	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction	8,022.68	1,082.42
		For 2 Row Coil, Add	2,839.77	
		For 4 Row Coil, Add	7,349.01	

23 82 16 13 Refrigerant Air Coils (23 82 16)

23 82 16 13-0001 Direct Expansion Cooling Coils (23 82 16 13)

Note: Flanged construction 16 gauge galvanized steel casing.

23 82 16 13-0002 2 Row Direct Expansion Cooling Coils (23 82 16 13-0001)

23 82 16 13-0003	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,763.62	110.41
		For 10 Fins Per Inch, Add	30.85	
		For 12 Fins Per Inch, Add	77.11	
23 82 16 13-0004	EA	12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,388.04	151.62
		For 10 Fins Per Inch, Add	61.69	
		For 12 Fins Per Inch, Add	154.23	
23 82 16 13-0005	EA	24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,674.09	238.48
		For 10 Fins Per Inch, Add	83.98	
		For 12 Fins Per Inch, Add	209.96	
23 82 16 13-0006	EA	24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,647.40	342.99
		For 10 Fins Per Inch, Add	99.25	
		For 12 Fins Per Inch, Add	248.14	
23 82 16 13-0007	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,567.39	419.54
		For 10 Fins Per Inch, Add	114.52	
		For 12 Fins Per Inch, Add	286.31	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0008	EA		30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,352.23	507.86
			<i>For 10 Fins Per Inch, Add</i>	126.74	
			<i>For 12 Fins Per Inch, Add</i>	316.85	
23 82 16 13-0009	EA		30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,430.86	588.83
			<i>For 10 Fins Per Inch, Add</i>	145.06	
			<i>For 12 Fins Per Inch, Add</i>	362.66	
23 82 16 13-0010	EA		30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,566.97	686.57
			<i>For 10 Fins Per Inch, Add</i>	183.88	
			<i>For 12 Fins Per Inch, Add</i>	459.69	
23 82 16 13-0011	EA		34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,056.63	261.00
			<i>For 10 Fins Per Inch, Add</i>	70.69	
			<i>For 12 Fins Per Inch, Add</i>	176.73	
23 82 16 13-0012	EA		34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,253.18	444.42
			<i>For 10 Fins Per Inch, Add</i>	87.29	
			<i>For 12 Fins Per Inch, Add</i>	218.21	
23 82 16 13-0013	EA		34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,497.15	666.70
			<i>For 10 Fins Per Inch, Add</i>	103.28	
			<i>For 12 Fins Per Inch, Add</i>	258.19	
23 82 16 13-0014	EA		34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,114.98	776.37
			<i>For 10 Fins Per Inch, Add</i>	111.24	
			<i>For 12 Fins Per Inch, Add</i>	278.11	
23 82 16 13-0015			4 Row Direct Expansion Cooling Coils <small>(23 82 16 13-0001)</small>		
23 82 16 13-0016	EA		12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,925.47	153.09
			<i>For 10 Fins Per Inch, Add</i>	52.38	
			<i>For 12 Fins Per Inch, Add</i>	130.94	
23 82 16 13-0017	EA		12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,180.55	220.81
			<i>For 10 Fins Per Inch, Add</i>	74.82	
			<i>For 12 Fins Per Inch, Add</i>	187.06	
23 82 16 13-0018	EA		24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,698.75	368.02
			<i>For 10 Fins Per Inch, Add</i>	99.25	
			<i>For 12 Fins Per Inch, Add</i>	248.14	
23 82 16 13-0019	EA		24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,969.33	546.14
			<i>For 10 Fins Per Inch, Add</i>	117.58	
			<i>For 12 Fins Per Inch, Add</i>	293.95	
23 82 16 13-0020	EA		30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,057.01	669.80
			<i>For 10 Fins Per Inch, Add</i>	134.38	
			<i>For 12 Fins Per Inch, Add</i>	335.94	
23 82 16 13-0021	EA		30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,575.98	818.47
			<i>For 10 Fins Per Inch, Add</i>	158.81	
			<i>For 12 Fins Per Inch, Add</i>	397.02	
23 82 16 13-0022	EA		30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,666.60	981.87
			<i>For 10 Fins Per Inch, Add</i>	174.08	
			<i>For 12 Fins Per Inch, Add</i>	435.19	
23 82 16 13-0023	EA		30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,427.06	1,142.91
			<i>For 10 Fins Per Inch, Add</i>	162.82	
			<i>For 12 Fins Per Inch, Add</i>	407.06	
23 82 16 13-0024	EA		34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,559.68	493.29
			<i>For 10 Fins Per Inch, Add</i>	111.46	
			<i>For 12 Fins Per Inch, Add</i>	278.65	
23 82 16 13-0025	EA		34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,365.10	741.93
			<i>For 10 Fins Per Inch, Add</i>	137.62	
			<i>For 12 Fins Per Inch, Add</i>	344.06	
23 82 16 13-0026	EA		34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,637.25	1,305.00
			<i>For 10 Fins Per Inch, Add</i>	200.54	
			<i>For 12 Fins Per Inch, Add</i>	501.36	
23 82 16 13-0027	EA		34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	14,469.96	1,520.80
			<i>For 10 Fins Per Inch, Add</i>	228.57	
			<i>For 12 Fins Per Inch, Add</i>	571.42	
23 82 16 13-0028			6 Row Direct Expansion Cooling Coils <small>(23 82 16 13-0001)</small>		
23 82 16 13-0029	EA		12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,746.77	192.84
			<i>For 10 Fins Per Inch, Add</i>	67.19	
			<i>For 12 Fins Per Inch, Add</i>	167.97	
23 82 16 13-0030	EA		12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,318.41	288.52
			<i>For 10 Fins Per Inch, Add</i>	74.82	
			<i>For 12 Fins Per Inch, Add</i>	187.06	
23 82 16 13-0031	EA		24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,249.50	491.67
			<i>For 10 Fins Per Inch, Add</i>	105.36	
			<i>For 12 Fins Per Inch, Add</i>	263.41	
23 82 16 13-0032	EA		24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,961.78	736.03
			<i>For 10 Fins Per Inch, Add</i>	129.79	
			<i>For 12 Fins Per Inch, Add</i>	324.49	
23 82 16 13-0033	EA		30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,467.57	920.04
			<i>For 10 Fins Per Inch, Add</i>	172.55	
			<i>For 12 Fins Per Inch, Add</i>	431.37	
23 82 16 13-0034	EA		30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,884.76	1,132.02
			<i>For 10 Fins Per Inch, Add</i>	192.40	
			<i>For 12 Fins Per Inch, Add</i>	481.00	
23 82 16 13-0035	EA		30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,823.52	1,338.11
			<i>For 10 Fins Per Inch, Add</i>	222.94	
			<i>For 12 Fins Per Inch, Add</i>	557.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0036 EA 30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,138.83	1,559.36
For 10 Fins Per Inch, Add	200.40	
For 12 Fins Per Inch, Add	501.00	
23 82 16 13-0037 EA 34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,207.13	674.06
For 10 Fins Per Inch, Add	137.18	
For 12 Fins Per Inch, Add	342.95	
23 82 16 13-0038 EA 34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,491.12	1,011.02
For 10 Fins Per Inch, Add	169.38	
For 12 Fins Per Inch, Add	423.45	
23 82 16 13-0039 EA 34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,037.03	1,508.28
For 10 Fins Per Inch, Add	200.41	
For 12 Fins Per Inch, Add	501.02	
23 82 16 13-0040 EA 34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	14,332.53	1,769.28
For 10 Fins Per Inch, Add	215.88	
For 12 Fins Per Inch, Add	539.70	
23 82 16 13-0041 8 Row Direct Expansion Cooling Coils (23 82 16 13-0001)		
23 82 16 13-0042 EA 12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,666.54	232.59
For 10 Fins Per Inch, Add	83.98	
For 12 Fins Per Inch, Add	209.96	
23 82 16 13-0043 EA 12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,604.45	359.19
For 10 Fins Per Inch, Add	97.73	
For 12 Fins Per Inch, Add	244.32	
23 82 16 13-0044 EA 24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,342.39	640.35
For 10 Fins Per Inch, Add	141.25	
For 12 Fins Per Inch, Add	353.12	
23 82 16 13-0045 EA 24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,048.35	981.87
For 10 Fins Per Inch, Add	181.71	
For 12 Fins Per Inch, Add	454.28	
23 82 16 13-0046 EA 30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,256.91	1,227.71
For 10 Fins Per Inch, Add	216.07	
For 12 Fins Per Inch, Add	540.17	
23 82 16 13-0047 EA 30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	15,389.12	1,472.07
For 10 Fins Per Inch, Add	248.90	
For 12 Fins Per Inch, Add	622.25	
23 82 16 13-0048 EA 30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	17,701.33	1,635.47
For 10 Fins Per Inch, Add	288.60	
For 12 Fins Per Inch, Add	721.50	
23 82 16 13-0049 EA 30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	15,066.53	1,897.06
For 10 Fins Per Inch, Add	225.45	
For 12 Fins Per Inch, Add	563.63	
23 82 16 13-0050 EA 34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,359.45	821.42
For 10 Fins Per Inch, Add	154.33	
For 12 Fins Per Inch, Add	385.83	
23 82 16 13-0051 EA 34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,997.61	1,234.92
For 10 Fins Per Inch, Add	190.55	
For 12 Fins Per Inch, Add	476.39	
23 82 16 13-0052 EA 34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	14,990.40	1,858.64
For 10 Fins Per Inch, Add	225.46	
For 12 Fins Per Inch, Add	563.65	
23 82 16 13-0053 EA 34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	16,472.85	2,164.82
For 10 Fins Per Inch, Add	242.86	
For 12 Fins Per Inch, Add	607.16	
23 82 16 14 Electric-Resistance Air Coils (23 82 16)		
23 82 16 14-0001 Standard Electric Slip-In Blast Coil Heater (23 82 16 14)		
23 82 16 14-0002 Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 14-0001)		
23 82 16 14-0003 EA 1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	547.35	103.59
23 82 16 14-0004 EA 1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	564.59	111.66
23 82 16 14-0005 EA 2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	584.97	122.42
23 82 16 14-0006 EA 3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	591.83	126.47
23 82 16 14-0007 EA 4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	609.44	134.53
23 82 16 14-0008 EA 5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	629.69	145.30
23 82 16 14-0009 EA 6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	723.59	162.78
23 82 16 14-0010 EA 7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	739.99	170.86
23 82 16 14-0011 EA 8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	753.45	176.23
23 82 16 14-0012 EA 9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	773.11	187.00
23 82 16 14-0013 EA 10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	843.72	197.76
23 82 16 14-0014 EA 12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	882.01	216.59
23 82 16 14-0015 EA 15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	920.08	235.44
23 82 16 14-0016 EA 20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	959.18	254.27
23 82 16 14-0017 EA 30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,288.34	355.16
23 82 16 14-0018 EA 40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,236.13	378.04
23 82 16 14-0019 EA 50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,462.31	433.20
23 82 16 14-0020 EA 60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,901.40	480.28
23 82 16 14-0021 EA 70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,048.93	521.99
23 82 16 14-0022 EA 80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,340.86	573.10
23 82 16 14-0023 EA 90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	4,081.45	612.13
23 82 16 14-0024 EA 100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	4,480.12	657.86
23 82 16 14-0025 EA 125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	5,417.72	710.33

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 14-0026 EA 150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	6,094.80	772.21
23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 14-0001)		
23 82 16 14-0028 EA 1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,016.33	147.98
23 82 16 14-0029 EA 2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,048.41	161.43
23 82 16 14-0030 EA 3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,060.30	161.43
23 82 16 14-0031 EA 4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,146.53	177.58
23 82 16 14-0032 EA 5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,196.43	177.58
23 82 16 14-0033 EA 6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,222.99	177.58
23 82 16 14-0034 EA 8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,285.69	197.76
23 82 16 14-0035 EA 9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,343.41	221.98
23 82 16 14-0036 EA 10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,369.97	221.98
23 82 16 14-0037 EA 15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,542.98	254.27
23 82 16 14-0038 EA 20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,967.46	254.27
23 82 16 14-0039 EA 25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,090.37	275.79
23 82 16 14-0040 EA 30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,456.74	295.97
23 82 16 14-0041 EA 40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,913.54	295.97
23 82 16 14-0042 EA 45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	3,178.47	309.43
23 82 16 14-0043 EA 50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	3,336.85	309.43
23 82 19 Fan Coil Units (23 82)		
23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units (23 82 19)		
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.		
23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)		
23 82 19 00-0003 EA 200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,158.37	238.48
For 2-Way Valve Instead Of 3-Way, Deduct	-58.74	
23 82 19 00-0004 EA 300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,381.73	278.23
For 2-Way Valve Instead Of 3-Way, Deduct	-62.78	
23 82 19 00-0005 EA 400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,639.29	313.55
For 2-Way Valve Instead Of 3-Way, Deduct	-66.32	
23 82 19 00-0006 EA 600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,060.34	359.19
For 2-Way Valve Instead Of 3-Way, Deduct	-70.90	
23 82 19 00-0007 EA 800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,426.55	376.85
For 2-Way Valve Instead Of 3-Way, Deduct	-121.62	
23 82 19 00-0008 EA 1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,638.48	398.93
For 2-Way Valve Instead Of 3-Way, Deduct	-124.68	
23 82 19 00-0009 EA 1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	5,623.63	432.79
For 2-Way Valve Instead Of 3-Way, Deduct	-129.94	
23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)		
23 82 19 00-0011 EA 200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,215.98	238.48
For 2-Way Valve Instead Of 3-Way, Deduct	-58.74	
23 82 19 00-0012 EA 300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,477.76	278.23
For 2-Way Valve Instead Of 3-Way, Deduct	-62.78	
23 82 19 00-0013 EA 400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,749.96	313.55
For 2-Way Valve Instead Of 3-Way, Deduct	-66.32	
23 82 19 00-0014 EA 600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,279.93	359.19
For 2-Way Valve Instead Of 3-Way, Deduct	-70.90	
23 82 19 00-0015 EA 800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,682.73	378.33
For 2-Way Valve Instead Of 3-Way, Deduct	-121.62	
23 82 19 00-0016 EA 1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	5,004.46	398.93
For 2-Way Valve Instead Of 3-Way, Deduct	-124.68	
23 82 19 00-0017 EA 1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	6,318.99	432.79
For 2-Way Valve Instead Of 3-Way, Deduct	-129.94	
23 82 19 00-0018 Floor Mounted Vertical Fan Coil Units (23 82 19)		
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.		
23 82 19 00-0019 Vertical Fan Coil Units With Electric Heating Coil (23 82 19 00-0018)		
23 82 19 00-0020 EA 200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,085.17	237.00
For Fan Coil Units Without Cabinet, Deduct	-265.29	
For Thru-Wall Sleeve, Add	149.97	
For 2-Way Valve Instead Of 3-Way, Deduct	-58.74	
23 82 19 00-0021 EA 300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,385.39	278.23
For Fan Coil Units Without Cabinet, Deduct	-302.26	
For Thru-Wall Sleeve, Add	166.10	
For 2-Way Valve Instead Of 3-Way, Deduct	-62.78	
23 82 19 00-0022 EA 400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,822.28	313.55
For Fan Coil Units Without Cabinet, Deduct	-360.70	
For Thru-Wall Sleeve, Add	180.28	
For 2-Way Valve Instead Of 3-Way, Deduct	-66.32	
23 82 19 00-0023 EA 600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,243.33	359.19
For Fan Coil Units Without Cabinet, Deduct	-414.69	
For Thru-Wall Sleeve, Add	198.62	
For 2-Way Valve Instead Of 3-Way, Deduct	-70.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0024 EA 800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,646.14	378.33
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-471.43	
<i>For Thru-Wall Sleeve, Add</i>	205.98	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-121.62	
23 82 19 00-0025 EA 1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	4,638.48	398.93
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-616.20	
<i>For Thru-Wall Sleeve, Add</i>	214.14	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-124.68	
23 82 19 00-0026 EA 1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	5,440.65	432.79
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-729.51	
<i>For Thru-Wall Sleeve, Add</i>	228.18	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-129.94	
23 82 19 00-0027 Vertical Fan Coil Units With Hot Water Heating Coil <small>(23 82 19 00-0018)</small>		
23 82 19 00-0028 EA 200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,304.76	237.00
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-298.23	
<i>For Thru-Wall Sleeve, Add</i>	149.97	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.74	
23 82 19 00-0029 EA 300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,604.98	278.23
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-335.20	
<i>For Thru-Wall Sleeve, Add</i>	166.10	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-62.78	
23 82 19 00-0030 EA 400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,188.26	313.55
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-415.60	
<i>For Thru-Wall Sleeve, Add</i>	180.28	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-66.32	
23 82 19 00-0031 EA 600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,645.90	359.19
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-475.08	
<i>For Thru-Wall Sleeve, Add</i>	198.62	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-70.90	
23 82 19 00-0032 EA 800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,048.71	378.33
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-531.82	
<i>For Thru-Wall Sleeve, Add</i>	205.98	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-121.62	
23 82 19 00-0033 EA 1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,821.47	398.93
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-643.65	
<i>For Thru-Wall Sleeve, Add</i>	214.14	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-124.68	
23 82 19 00-0034 EA 1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,623.63	432.79
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-756.95	
<i>For Thru-Wall Sleeve, Add</i>	228.18	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-129.94	
23 82 19 00-0035 Removal And Reinstallation Of Fan Coil Units <small>(23 82 19)</small>		
Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0036 EA Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical.....	625.88	
23 82 29 Radiators <small>(23 82)</small>		
23 82 29 00-0001 Demolish Cast Iron Radiators <small>(23 82 29)</small>		
23 82 29 00-0002 LF Demolish Cast Iron Radiator	44.15	
23 82 29 00-0003 EA Cap Radiator.....	63.04	
23 82 29 00-0004 Cast Iron Radiator <small>(23 82 29)</small>		
23 82 29 00-0005 EA 19" High Cast Iron Radiator Section, Free Standing.....	77.59	
<i>For Wall Support Bracket, Add</i>	32.23	
23 82 29 00-0006 EA 25" High Cast Iron Radiator Section, Free Standing.....	111.79	
<i>For Wall Support Bracket, Add</i>	34.14	
23 82 29 00-0007 EA 30" High Cast Iron Radiator Section, Free Standing.....	130.68	
23 82 29 00-0008 EA 36" High Cast Iron Radiator Section, Free Standing.....	165.72	
23 82 29 00-0009 EA 20" High Cast Iron Radiator Section, Recessed With Grille.....	106.50	
23 82 29 00-0010 Radiator Covers <small>(23 82 29)</small>		
Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011 SF 14 Gauge Stainless Steel Radiator Cover	130.49	7.31
23 82 29 00-0012 SF Primed And Painted, Galvanized Steel Radiator Cover.....	82.21	7.31
23 82 29 00-0013 Radiator Shields <small>(23 82 29)</small>		
23 82 29 00-0014 SF Stainless Steel Radiator Shield.....	76.71	7.31
23 82 29 00-0015 SF Primed And Painted, Galvanized Steel Radiator Shield.....	50.06	7.31
23 82 29 00-0016 Removal And Reinstallation Of Radiator <small>(23 82 29)</small>		
Note: Includes storage and cleaning.		
23 82 29 00-0017 LF Removal And Reinstallation Of Cast Iron Radiator	110.41	
23 82 29 00-0018 LF Removal And Reinstallation Of Electric Radiator.....	73.60	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33			Convectors ^(23 82)		
23 82 33 00-0001			Multi-Fin Convectors For Two-Pipe System ^(23 82 33) Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002			20" High Multi-Fin Convectors For Two-Pipe System ^(23 82 33 00-0001)		
23 82 33 00-0003	EA		20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	555.97	161.93
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	79.61	
			<i>For Snap-On Inlet Grille, Add</i>	59.07	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	108.72	
23 82 33 00-0004	EA		20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	647.29	176.65
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	86.29	
			<i>For Snap-On Inlet Grille, Add</i>	63.53	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	132.88	
23 82 33 00-0005	EA		20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	747.86	209.03
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	100.93	
			<i>For Snap-On Inlet Grille, Add</i>	73.29	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	151.00	
23 82 33 00-0006	EA		20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	891.53	242.89
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	116.39	
			<i>For Snap-On Inlet Grille, Add</i>	83.60	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	183.24	
23 82 33 00-0007	EA		20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,064.14	291.47
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	138.46	
			<i>For Snap-On Inlet Grille, Add</i>	98.31	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	217.91	
23 82 33 00-0008	EA		20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,193.14	320.62
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	151.69	
			<i>For Snap-On Inlet Grille, Add</i>	107.13	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	247.63	
23 82 33 00-0009	EA		20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,395.19	388.62
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	182.59	
			<i>For Snap-On Inlet Grille, Add</i>	127.73	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	282.29	
23 82 33 00-0010	EA		20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,516.90	412.91
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	193.64	
			<i>For Snap-On Inlet Grille, Add</i>	135.09	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	312.01	
23 82 33 00-0011	EA		20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,661.19	461.49
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	215.70	
			<i>For Snap-On Inlet Grille, Add</i>	149.80	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	336.77	
23 82 33 00-0012	EA		20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,833.90	510.08
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	237.80	
			<i>For Snap-On Inlet Grille, Add</i>	164.53	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	371.43	
23 82 33 00-0013	EA		20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,978.20	558.65
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	259.86	
			<i>For Snap-On Inlet Grille, Add</i>	179.24	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	396.20	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Decentralized Unitary HVAC Equipment		23 80
Convection Heating and Cooling Units		23 82

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0014			26" High Multi-Fin Convectors For Two-Pipe System <small>(23 82 33 00-0001)</small>		
23 82 33 00-0015	EA		26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	664.60	213.01
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	101.84	
			<i>For Snap-On Inlet Grille, Add</i>	73.89	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	120.80	
23 82 33 00-0016	EA		26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	778.87	247.46
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	117.29	
			<i>For Snap-On Inlet Grille, Add</i>	84.20	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	142.76	
23 82 33 00-0017	EA		26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	937.54	290.59
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	136.66	
			<i>For Snap-On Inlet Grille, Add</i>	97.10	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	175.71	
23 82 33 00-0018	EA		26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,089.98	324.01
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	151.66	
			<i>For Snap-On Inlet Grille, Add</i>	107.10	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	211.56	
23 82 33 00-0019	EA		26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,264.84	364.34
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	169.81	
			<i>For Snap-On Inlet Grille, Add</i>	119.20	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	251.59	
23 82 33 00-0020	EA		26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,408.51	394.66
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	183.50	
			<i>For Snap-On Inlet Grille, Add</i>	128.33	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	285.89	
23 82 33 00-0021	EA		26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,606.46	449.72
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	208.58	
			<i>For Snap-On Inlet Grille, Add</i>	145.05	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	325.92	
23 82 33 00-0022	EA		26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,745.21	477.25
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	220.80	
			<i>For Snap-On Inlet Grille, Add</i>	153.20	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	360.23	
23 82 33 00-0023	EA		26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,890.61	520.37
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	239.91	
			<i>For Snap-On Inlet Grille, Add</i>	165.94	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	388.82	
23 82 33 00-0024	EA		26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,069.35	562.63
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	259.22	
			<i>For Snap-On Inlet Grille, Add</i>	178.82	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	428.84	
23 82 33 00-0025	EA		26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,208.95	601.34
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	276.60	
			<i>For Snap-On Inlet Grille, Add</i>	190.40	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	457.43	
23 82 33 00-0026			32" High Multi-Fin Convectors For Two-Pipe System <small>(23 82 33 00-0001)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0027 EA 32" High x 2' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	772.00	259.09
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	123.71	
For Snap-On Inlet Grille, Add	88.47	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	132.88	
23 82 33 00-0028 EA 32" High x 3' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	923.55	313.55
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	148.46	
For Snap-On Inlet Grille, Add	104.97	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	157.04	
23 82 33 00-0029 EA 32" High x 4' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,107.30	366.55
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	172.52	
For Snap-On Inlet Grille, Add	121.02	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	193.28	
23 82 33 00-0030 EA 32" High x 6' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,268.42	398.34
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	187.05	
For Snap-On Inlet Grille, Add	130.70	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	232.72	
23 82 33 00-0031 EA 32" High x 8' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,442.29	430.43
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	201.48	
For Snap-On Inlet Grille, Add	140.32	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	276.75	
23 82 33 00-0032 EA 32" High x 10' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,597.51	461.49
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	215.70	
For Snap-On Inlet Grille, Add	149.80	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	314.48	
23 82 33 00-0033 EA 32" High x 12' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,782.48	500.36
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	233.45	
For Snap-On Inlet Grille, Add	161.63	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	358.51	
23 82 33 00-0034 EA 32" High x 14' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,939.20	532.44
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	248.12	
For Snap-On Inlet Grille, Add	171.41	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	396.25	
23 82 33 00-0035 EA 32" High x 16' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	2,082.04	568.37
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	264.02	
For Snap-On Inlet Grille, Add	182.01	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	427.70	
23 82 33 00-0036 EA 32" High x 18' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	2,260.75	602.37
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	279.89	
For Snap-On Inlet Grille, Add	192.59	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	471.72	
23 82 33 00-0037 EA 32" High x 20' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	2,394.02	631.52
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	292.92	
For Snap-On Inlet Grille, Add	201.28	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	503.17	
23 82 33 00-0038 Electric Convectors, Floor Standing Units <small>(23 82 33)</small>		
23 82 33 00-0039 4" Deep Electric Convectors <small>(23 82 33 00-0038)</small>		
23 82 33 00-0040 EA 38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	625.37	144.46
23 82 33 00-0041 EA 50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	686.81	144.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0042 6" Deep Electric Convectors <small>(23 82 33 00-0038)</small>		
23 82 33 00-0043 EA 38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	715.17	144.46
23 82 33 00-0044 EA 50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	809.71	144.46
23 82 33 00-0045 EA 62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	892.42	144.46
23 82 33 00-0046 EA 74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	1,022.40	144.46
 23 82 36 Finned-Tube Radiation Heaters <small>(23 82)</small>		
23 82 36 00-0001 Electric Baseboard Heating <small>(23 82 36)</small>		
Note: Includes 24 gauge steel enclosure and heating element		
23 82 36 00-0002 Electric Wall Heating 10" Enclosure <small>(23 82 36 00-0001)</small>		
23 82 36 00-0003 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT.....	163.23	80.26
23 82 36 00-0004 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT.....	166.07	80.26
 23 82 36 00-0005 Electric Wall Heating 16" Enclosure <small>(23 82 36 00-0001)</small>		
23 82 36 00-0006 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT.....	191.59	80.26
23 82 36 00-0007 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT.....	198.68	80.26
 23 82 36 00-0008 Finned Tube Baseboard Units <small>(23 82 36)</small>		
Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0009 3/4" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		
23 82 36 00-0010 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	398.54	57.41
For 90 Degree Corner, Add	65.55	
For Valve Enclosure, Add	65.55	
For Filler Piece, Add	58.55	
For End Cap, Add	44.11	
For Copper Tube With Aluminum Fins, Add	6.64	
23 82 36 00-0011 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	515.76	86.85
For 90 Degree Corner, Add	76.91	
For Valve Enclosure, Add	76.91	
For Filler Piece, Add	69.91	
For End Cap, Add	51.49	
For Copper Tube With Aluminum Fins, Add	9.97	
23 82 36 00-0012 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	609.60	114.82
For 90 Degree Corner, Add	83.60	
For Valve Enclosure, Add	83.60	
For Filler Piece, Add	76.60	
For End Cap, Add	55.84	
For Copper Tube With Aluminum Fins, Add	13.29	
23 82 36 00-0013 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	759.68	160.75
For 90 Degree Corner, Add	101.86	
For Valve Enclosure, Add	101.86	
For Filler Piece, Add	94.86	
For End Cap, Add	67.71	
For Copper Tube With Aluminum Fins, Add	16.52	
23 82 36 00-0014 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	909.61	193.14
For 90 Degree Corner, Add	120.40	
For Valve Enclosure, Add	120.40	
For Filler Piece, Add	113.40	
For End Cap, Add	79.76	
For Copper Tube With Aluminum Fins, Add	19.67	
23 82 36 00-0015 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,017.97	206.09
For 90 Degree Corner, Add	127.77	
For Valve Enclosure, Add	127.77	
For Filler Piece, Add	120.77	
For End Cap, Add	84.55	
For Copper Tube With Aluminum Fins, Add	23.60	
23 82 36 00-0016 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,122.72	227.73
For 90 Degree Corner, Add	140.13	
For Valve Enclosure, Add	140.13	
For Filler Piece, Add	133.13	
For End Cap, Add	92.59	
For Copper Tube With Aluminum Fins, Add	25.96	
23 82 36 00-0017 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,279.60	257.61
For 90 Degree Corner, Add	157.21	
For Valve Enclosure, Add	157.21	
For Filler Piece, Add	150.21	
For End Cap, Add	103.68	
For Copper Tube With Aluminum Fins, Add	29.90	
23 82 36 00-0018 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,410.51	283.37
For 90 Degree Corner, Add	171.94	
For Valve Enclosure, Add	171.94	
For Filler Piece, Add	164.94	
For End Cap, Add	113.26	
For Copper Tube With Aluminum Fins, Add	33.04	
 23 82 36 00-0019 1" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0020	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	450.32	57.41
			<i>For 90 Degree Corner, Add</i>	65.55	
			<i>For Valve Enclosure, Add</i>	65.55	
			<i>For Filler Piece, Add</i>	58.55	
			<i>For End Cap, Add</i>	44.11	
			<i>For Copper Tube With Aluminum Fins, Add</i>	9.49	
23 82 36 00-0021	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	593.42	86.85
			<i>For 90 Degree Corner, Add</i>	76.91	
			<i>For Valve Enclosure, Add</i>	76.91	
			<i>For Filler Piece, Add</i>	69.91	
			<i>For End Cap, Add</i>	51.49	
			<i>For Copper Tube With Aluminum Fins, Add</i>	14.24	
23 82 36 00-0022	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	713.15	114.82
			<i>For 90 Degree Corner, Add</i>	83.60	
			<i>For Valve Enclosure, Add</i>	83.60	
			<i>For Filler Piece, Add</i>	76.60	
			<i>For End Cap, Add</i>	55.84	
			<i>For Copper Tube With Aluminum Fins, Add</i>	18.98	
23 82 36 00-0023	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	888.60	160.75
			<i>For 90 Degree Corner, Add</i>	101.89	
			<i>For Valve Enclosure, Add</i>	101.89	
			<i>For Filler Piece, Add</i>	94.89	
			<i>For End Cap, Add</i>	67.73	
			<i>For Copper Tube With Aluminum Fins, Add</i>	23.60	
23 82 36 00-0024	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,062.64	193.14
			<i>For 90 Degree Corner, Add</i>	120.35	
			<i>For Valve Enclosure, Add</i>	120.35	
			<i>For Filler Piece, Add</i>	113.35	
			<i>For End Cap, Add</i>	79.73	
			<i>For Copper Tube With Aluminum Fins, Add</i>	28.10	
23 82 36 00-0025	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,201.90	206.09
			<i>For 90 Degree Corner, Add</i>	127.77	
			<i>For Valve Enclosure, Add</i>	127.77	
			<i>For Filler Piece, Add</i>	120.77	
			<i>For End Cap, Add</i>	84.55	
			<i>For Copper Tube With Aluminum Fins, Add</i>	33.72	
23 82 36 00-0026	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,324.57	227.73
			<i>For 90 Degree Corner, Add</i>	140.04	
			<i>For Valve Enclosure, Add</i>	140.04	
			<i>For Filler Piece, Add</i>	133.04	
			<i>For End Cap, Add</i>	92.53	
			<i>For Copper Tube With Aluminum Fins, Add</i>	37.09	
23 82 36 00-0027	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,512.58	257.61
			<i>For 90 Degree Corner, Add</i>	157.21	
			<i>For Valve Enclosure, Add</i>	157.21	
			<i>For Filler Piece, Add</i>	150.21	
			<i>For End Cap, Add</i>	103.68	
			<i>For Copper Tube With Aluminum Fins, Add</i>	42.71	
23 82 36 00-0028	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,667.12	283.37
			<i>For 90 Degree Corner, Add</i>	171.77	
			<i>For Valve Enclosure, Add</i>	171.77	
			<i>For Filler Piece, Add</i>	164.77	
			<i>For End Cap, Add</i>	113.15	
			<i>For Copper Tube With Aluminum Fins, Add</i>	47.21	
23 82 36 00-0029			1-1/4" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		
23 82 36 00-0030	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	502.09	57.41
			<i>For 90 Degree Corner, Add</i>	65.55	
			<i>For Valve Enclosure, Add</i>	65.55	
			<i>For Filler Piece, Add</i>	58.55	
			<i>For End Cap, Add</i>	44.11	
			<i>For Copper Tube With Aluminum Fins, Add</i>	12.34	
23 82 36 00-0031	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	671.08	86.85
			<i>For 90 Degree Corner, Add</i>	76.91	
			<i>For Valve Enclosure, Add</i>	76.91	
			<i>For Filler Piece, Add</i>	69.91	
			<i>For End Cap, Add</i>	51.49	
			<i>For Copper Tube With Aluminum Fins, Add</i>	18.51	
23 82 36 00-0032	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	816.69	114.82
			<i>For 90 Degree Corner, Add</i>	83.60	
			<i>For Valve Enclosure, Add</i>	83.60	
			<i>For Filler Piece, Add</i>	76.60	
			<i>For End Cap, Add</i>	55.84	
			<i>For Copper Tube With Aluminum Fins, Add</i>	24.68	
23 82 36 00-0033	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,017.34	160.75
			<i>For 90 Degree Corner, Add</i>	101.89	
			<i>For Valve Enclosure, Add</i>	101.89	
			<i>For Filler Piece, Add</i>	94.89	
			<i>For End Cap, Add</i>	67.73	
			<i>For Copper Tube With Aluminum Fins, Add</i>	30.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0034 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,215.90	193.14
For 90 Degree Corner, Add	120.35	
For Valve Enclosure, Add	120.35	
For Filler Piece, Add	113.35	
For End Cap, Add	79.73	
For Copper Tube With Aluminum Fins, Add	36.53	
23 82 36 00-0035 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,385.81	206.09
For 90 Degree Corner, Add	127.77	
For Valve Enclosure, Add	127.77	
For Filler Piece, Add	120.77	
For End Cap, Add	84.55	
For Copper Tube With Aluminum Fins, Add	43.83	
23 82 36 00-0036 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,526.88	227.73
For 90 Degree Corner, Add	140.04	
For Valve Enclosure, Add	140.04	
For Filler Piece, Add	133.04	
For End Cap, Add	92.53	
For Copper Tube With Aluminum Fins, Add	48.22	
23 82 36 00-0037 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,745.54	257.61
For 90 Degree Corner, Add	157.21	
For Valve Enclosure, Add	157.21	
For Filler Piece, Add	150.21	
For End Cap, Add	103.68	
For Copper Tube With Aluminum Fins, Add	55.52	
23 82 36 00-0038 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,924.61	283.37
For 90 Degree Corner, Add	171.77	
For Valve Enclosure, Add	171.77	
For Filler Piece, Add	164.77	
For End Cap, Add	113.15	
For Copper Tube With Aluminum Fins, Add	61.37	

23 82 39 Unit Heaters (23 82)

23 82 39 13 Cabinet Unit Heaters (23 82 39)

23 82 39 13-0001 Electric Cabinet Unit Heaters (23 82 39 13)

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)

23 82 39 13-0003 EA 2 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,947.99	182.40
Note: Wall or floor mounted.		
23 82 39 13-0004 EA 3 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,970.66	182.40
Note: Wall or floor mounted.		
23 82 39 13-0005 EA 4 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,993.33	182.40
Note: Wall or floor mounted.		
23 82 39 13-0006 EA 5 KW, 250 CFM, 35" Electric Cabinet Unit Heater	3,015.98	182.40
Note: Wall or floor mounted.		
23 82 39 13-0007 EA 6 KW, 250 CFM, 35" Electric Cabinet Unit Heater	3,038.66	182.40
Note: Wall or floor mounted.		
23 82 39 13-0008 EA 7 KW, 250 CFM, 35" Electric Cabinet Unit Heater	3,061.33	182.40
Note: Wall or floor mounted.		
23 82 39 13-0009 EA 8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	3,084.90	182.40
23 82 39 13-0010 EA For Ceiling Installation of 35" Cabinet Unit Heater, Add.....	243.68	121.12

23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)

23 82 39 13-0012 EA 4 KW, 500 CFM, 45" Electric Cabinet Unit Heater	3,143.36	218.88
Note: Wall or floor mounted.		
23 82 39 13-0013 EA 6 KW, 500 CFM, 45" Electric Cabinet Unit Heater	3,188.70	218.88
Note: Wall or floor mounted.		
23 82 39 13-0014 EA 8 KW, 500 CFM, 45" Electric Cabinet Unit Heater	3,234.03	218.88
Note: Wall or floor mounted.		
23 82 39 13-0015 EA 10 KW, 500 CFM, 45" Electric Cabinet Unit Heater	3,279.37	218.88
Note: Wall or floor mounted.		
23 82 39 13-0016 EA 12 KW, 500 CFM, 45" Electric Cabinet Unit Heater	3,324.70	218.88
Note: Wall or floor mounted.		
23 82 39 13-0017 EA 14 KW, 500 CFM, 45" Electric Cabinet Unit Heater	3,370.04	218.88
Note: Wall or floor mounted.		
23 82 39 13-0018 EA 16 KW, 500 CFM, 45" Electric Cabinet Unit Heater	3,415.37	218.88
Note: Wall or floor mounted.		
23 82 39 13-0019 EA For Ceiling Installation of 45" Cabinet Unit Heater, Add.....	291.84	145.92

23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length (23 82 39 13-0001)

23 82 39 13-0021 EA 6 KW, 750 CFM, 58" Electric Cabinet Unit Heater	3,953.89	291.84
Note: Wall or floor mounted.		
23 82 39 13-0022 EA 8 KW, 750 CFM, 58" Electric Cabinet Unit Heater	3,999.21	291.84
Note: Wall or floor mounted.		
23 82 39 13-0023 EA 10 KW, 750 CFM, 58" Electric Cabinet Unit Heater	4,044.56	291.84
Note: Wall or floor mounted.		
23 82 39 13-0024 EA 12 KW, 750 CFM, 58" Electric Cabinet Unit Heater	4,089.88	291.84
Note: Wall or floor mounted.		
23 82 39 13-0025 EA 14 KW, 750 CFM, 58" Electric Cabinet Unit Heater	4,135.23	291.84
Note: Wall or floor mounted.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0026 EA 16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,180.55	291.84
23 82 39 13-0027 EA For Ceiling Installation of 58" Cabinet Unit Heater, Add.....	364.80	182.40
23 82 39 13-0028 Electric Cabinet Unit Heaters, 68" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0029 EA 6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,673.76	364.80
23 82 39 13-0030 EA 9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,741.75	364.80
23 82 39 13-0031 EA 12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,809.75	364.80
23 82 39 13-0032 EA 15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,877.75	364.80
23 82 39 13-0033 EA 18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,945.77	364.80
23 82 39 13-0034 EA 21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,013.76	364.80
23 82 39 13-0035 EA 24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,081.76	364.80
23 82 39 13-0036 EA For Ceiling Installation of 68" Cabinet Unit Heater, Add.....	487.38	243.68
23 82 39 13-0037 Electric Cabinet Unit Heaters, 78" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0038 EA 8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,484.28	437.77
23 82 39 13-0039 EA 12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,574.95	437.77
23 82 39 13-0040 EA 16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,665.62	437.77
23 82 39 13-0041 EA 20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,756.29	437.77
23 82 39 13-0042 EA 24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,846.96	437.77
23 82 39 13-0043 EA 28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,937.63	437.77
23 82 39 13-0044 EA 32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,028.30	437.77
23 82 39 13-0045 EA For Ceiling Installation of 78" Cabinet Unit Heater, Add.....	583.68	291.84
23 82 39 13-0046 Removal and Reinstallation of Cabinet Unit Heaters (23 82 39 13)		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall.....	404.82	
23 82 39 13-0048 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall.....	699.25	
23 82 39 13-0049 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling.....	834.67	
23 82 39 13-0050 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling.....	1,129.08	
23 82 39 16 Propeller Unit Heaters (23 82 39)		
23 82 39 16-0001 Hydronic Unit Heaters Using Steam Or Hot Water (23 82 39 16)		
Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002 Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)		
23 82 39 16-0003 EA 18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	899.24	147.21
23 82 39 16-0004 EA 24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	900.89	147.21
23 82 39 16-0005 EA 36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	995.72	147.21
23 82 39 16-0006 EA 48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,241.63	220.81
23 82 39 16-0007 EA 60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,290.14	220.81
23 82 39 16-0008 EA 72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,362.39	220.81
23 82 39 16-0009 EA 84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,651.81	294.42
23 82 39 16-0010 EA 96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,797.37	294.42
23 82 39 16-0011 EA 108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,889.99	294.42
23 82 39 16-0012 EA 120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,964.97	294.42
23 82 39 16-0013 EA 132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,237.88	368.02
23 82 39 16-0014 EA 144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,263.25	368.02
23 82 39 16-0015 EA 156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,287.51	368.02
23 82 39 16-0016 EA 180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,464.41	441.62
23 82 39 16-0017 EA 204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,654.07	441.62
23 82 39 16-0018 EA 240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,034.15	515.23
23 82 39 16-0019 EA 280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,721.10	515.23
23 82 39 16-0020 EA 300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,980.67	588.83
23 82 39 16-0021 EA 360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,686.38	588.83
23 82 39 16-0022 EA Fan Guard For Fan Propelled Steam Unit Heater..... Note: Required only for unit heaters located within 7' of a working surface.	241.74	36.80
23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)		
23 82 39 16-0024 EA 41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,306.70	147.21
23 82 39 16-0025 EA 65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,359.07	220.81



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0026	EA		80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,454.46	220.81
23 82 39 16-0027	EA		101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,800.68	294.42
23 82 39 16-0028	EA		124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,894.40	294.42
23 82 39 16-0029	EA		152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,294.60	441.62
23 82 39 16-0030	EA		173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,437.95	441.62
23 82 39 16-0031	EA		210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,558.15	441.62
23 82 39 16-0032	EA		249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,869.84	515.23
23 82 39 16-0033	EA		283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,012.09	515.23
23 82 39 16-0034	EA		333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,299.88	515.23
23 82 39 16-0035	EA		386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,856.61	662.43
23 82 39 16-0036	EA		496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,813.73	662.43
23 82 39 16-0037	EA		585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,107.05	662.43
23 82 39 16-0038	EA		705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,803.39	736.03
23 82 39 16-0039	EA		Fan Guard For Fan Propelled Steam Unit Heater.....	323.34	36.80

Note: Required only for unit heaters located within 7' of a working surface.

23 82 39 16-0040

Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA		Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	883.24	
23 82 39 16-0042	EA		Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	1,177.66	

23 82 39 19

Wall and Ceiling Unit Heaters (23 82 39)

23 82 39 19-0001

Electric Unit Heaters (23 82 39 19)

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA		3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	896.94	145.92
23 82 39 19-0003	EA		5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	896.94	145.92
23 82 39 19-0004	EA		7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,197.70	182.40
23 82 39 19-0005	EA		10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,377.63	218.88
23 82 39 19-0006	EA		15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,998.96	291.84
23 82 39 19-0007	EA		20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt.....	2,887.27	364.80
23 82 39 19-0008	EA		30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	3,958.43	437.77
23 82 39 19-0009	EA		50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	5,733.67	510.72
23 82 39 19-0010	EA		3 KW, 350 CFM Electric Unit Heater - 480 Volt	1,093.65	145.92
23 82 39 19-0011	EA		5 KW, 350 CFM Electric Unit Heater - 480 Volt	1,055.25	145.92
23 82 39 19-0012	EA		7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,253.92	182.40
23 82 39 19-0013	EA		10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,450.78	218.88
23 82 39 19-0014	EA		15 KW, 910 CFM Electric Unit Heater - 480 Volt	2,145.24	291.84

23 82 39 19-0015

Electric Ceiling and Wall Heaters (23 82 39 19)

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA		1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	444.12	91.20
23 82 39 19-0017	EA		1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	518.45	102.14
23 82 39 19-0018	EA		3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater.....	796.03	102.14
23 82 39 19-0019	EA		1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	501.13	91.20
23 82 39 19-0020	EA		1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	608.43	102.14
23 82 39 19-0021	EA		3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	901.71	102.14
23 82 39 19-0022	EA		1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater.....	659.18	120.38
23 82 39 19-0023	EA		3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater.....	1,203.85	127.68
23 82 39 19-0024	EA		4,800/3,600 Watt Recessed Electric Ceiling Heater	1,350.55	127.68
23 82 39 19-0025	EA		4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,564.28	134.98
23 82 39 19-0026	EA		5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,693.08	134.98
23 82 39 19-0027	EA		1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	735.38	120.38
23 82 39 19-0028	EA		3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,323.88	127.68
23 82 39 19-0029	EA		4,800/3,600 Watt Surface Mounted Electric Ceiling Heater.....	1,470.57	127.68
23 82 39 19-0030	EA		Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522TDWB).....	668.53	91.20

23 82 39 19-0031

Removal And Reinstallation Of Electric Unit Heaters (23 82 39 19)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032	EA		Removal And Reinstallation Of Up To 15KW Electric Unit Heater.....	529.98	
23 82 39 19-0033	EA		Removal And Reinstallation Of >15 KW Electric Unit Heater.....	1,089.46	

23 83 Radiant Heating Units (23 80)

23 83 13

Radiant-Heating Electric Cables (23 83)

23 83 13 13

Radiant-Heating Electric Cables (23 83 13)

23 83 13 13-0001

Self Regulating Heating Cable (23 83 13 13)

23 83 13 13-0002	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable.....	9.40	1.03
Note: Tinned copper braid, at 50 Degrees F.					
23 83 13 13-0003	LF		5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable.....	10.00	1.03
Note: Tinned copper braid, at 50 degrees F.					

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 83 Radiant Heating Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 13-0004 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, at 50 degrees F.	10.42	1.03
23 83 13 13-0005 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, at 50 degrees F.	9.40	1.03
23 83 13 13-0006 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, at 50 degrees F.	11.02	1.03
23 83 13 13-0007 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, at 50 degrees F.	11.62	1.03
23 83 13 13-0008 LF 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 Degrees F.	11.61	1.03
23 83 13 13-0009 LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.88	1.03
23 83 13 13-0010 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.16	1.03
23 83 13 13-0011 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.61	1.03
23 83 13 13-0012 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.88	1.03
23 83 13 13-0013 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.16	1.03
23 83 13 13-0014 LF 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 Degrees F.	14.38	1.03
23 83 13 13-0015 LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	14.94	1.03
23 83 13 13-0016 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	15.21	1.03
23 83 13 13-0017 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	14.38	1.03
23 83 13 13-0018 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	14.94	1.03
23 83 13 13-0019 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	15.21	1.03
23 83 13 13-0020 EA Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable.....	346.68	81.46
23 83 13 13-0021 EA Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	346.68	81.46
23 83 13 13-0022 EA End Seal Kit For Self Regulating Low Temperature Heating Cable.....	213.39	14.81
23 83 13 13-0023 EA Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	577.27	37.03
23 83 13 13-0024 EA Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	634.44	37.03

23 84 Humidity Control Equipment (23 80)

23 84 13 Humidifiers (23 84)

23 84 13 16 Wetted-Element Humidifiers (23 84 13)

23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing (23 84 13 16)

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.

23 84 13 16-0002 EA 1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	12,733.92	606.50
23 84 13 16-0003 EA 20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	16,096.53	607.96

23 84 13 23 Direct-Steam-Injection Humidifiers (23 84 13)

23 84 13 23-0001 Steam Type Pneumatically Controlled (23 84 13 23)

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002 EA 3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	2,144.95	388.62
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	663.11	
23 84 13 23-0003 EA 3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,144.95	388.62
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	663.11	
23 84 13 23-0004 EA 65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	3,029.66	388.62
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	928.53	
23 84 13 23-0005 EA 65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,176.86	485.79
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	977.59	
23 84 13 23-0006 EA 100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	4,484.36	388.62
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	1,364.94	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Humidity Control Equipment	23 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 23-0007 EA 100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls <i>For Electrically Controlled Unit, Add</i> <i>For Each Additional Manifold, Add</i>	4,631.56 700.00 1,414.00	485.79
23 84 13 23-0008 EA 220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls <i>For Electrically Controlled Unit, Add</i> <i>For Each Additional Manifold, Add</i>	6,904.54 700.00 2,095.90	485.79
23 84 13 23-0009 EA 220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls <i>For Electrically Controlled Unit, Add</i> <i>For Each Additional Manifold, Add</i>	7,088.55 700.00 2,157.23	607.96
 23 84 13 29 Self-Contained Steam Humidifiers (23 84 13)		
23 84 13 29-0001 Residential Humidifiers (23 84 13 29) Note: Includes solenoid valve and flow through water supply.		
23 84 13 29-0002 EA Duct Or Furnace Mounted Humidifier, Residential Type.....	644.11	73.60
 23 84 16 Mechanical Dehumidification Units (23 84)		
23 84 16 16 Indoor, Mechanical Dehumidification Units (23 84 16)		
23 84 16 16-0001 Mechanical Dehumidification Units (23 84 16 16) Note: Sized by moisture removal per 24 hours.		
23 84 16 16-0002 EA 65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier.....	2,268.08	72.96
23 84 16 16-0003 EA 90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier.....	2,850.75	85.11
23 84 16 16-0004 EA 120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier.....	3,814.16	97.28
 23 84 16 33 Portable Dehumidifiers (23 84 16)		
23 84 16 33-0001 Self Contained Free Standing Unit (23 84 16 33) Note: Sized by moisture removal per 24 hours.		
23 84 16 33-0002 EA 30 Pint/24 Hour Dehumidifier.....	547.09	157.80
23 84 16 33-0003 EA 50 Pint/24 Hour Dehumidifier.....	650.31	157.80
23 84 16 33-0004 EA 70 Pint/24 Hour Dehumidifier.....	712.24	157.80

END OF SECTION 23

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 84 Humidity Control Equipment



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

THIS PAGE INTENTIONALLY LEFT BLANK



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

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electrical equipment and lighting shall conform to California Title 24.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation and Maintenance of Medium-Voltage Electrical

Distribution ^(26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration ^(26 01 10)

26 01 10 91-0001 Retrofit Distribution Enclosures ^(26 01 10 91)

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C).....	544.09
		Note: 2mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	113.34
		<i>For >20 To 50, Add</i>	90.67
		<i>For >50 To 100, Add</i>	45.34
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C).....	706.59
		Note: 2mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	153.97
		<i>For >20 To 50, Add</i>	123.17
		<i>For >50 To 100, Add</i>	61.59
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C).....	1,064.08
		Note: 4mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	243.34
		<i>For >20 To 50, Add</i>	194.67
		<i>For >50 To 100, Add</i>	97.34
26 01 10 91-0005	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO).....	539.36
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	112.18
		<i>For >20 To 50, Add</i>	89.75
		<i>For >50 To 100, Add</i>	44.87
26 01 10 91-0006	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	542.32
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	112.90
		<i>For >20 To 50, Add</i>	90.32
		<i>For >50 To 100, Add</i>	45.16
26 01 10 91-0007	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	693.36
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	150.66
		<i>For >20 To 50, Add</i>	120.53
		<i>For >50 To 100, Add</i>	60.26
26 01 10 91-0008	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	1,034.70
		Note: 4mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	235.99
		<i>For >20 To 50, Add</i>	188.79
		<i>For >50 To 100, Add</i>	94.40
26 01 10 91-0009	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPPR).....	427.10
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	84.09
		<i>For >20 To 50, Add</i>	67.27
		<i>For >50 To 100, Add</i>	33.64
26 01 10 91-0010	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPPR).....	602.59
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	127.97
		<i>For >20 To 50, Add</i>	102.37
		<i>For >50 To 100, Add</i>	51.19
26 01 10 91-0011	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPPR).....	858.52
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	191.95
		<i>For >20 To 50, Add</i>	153.56
		<i>For >50 To 100, Add</i>	76.78
26 01 10 91-0012	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	782.59
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	172.97
		<i>For >20 To 50, Add</i>	138.37
		<i>For >50 To 100, Add</i>	69.19
26 01 10 91-0013	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,076.20
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	246.37
		<i>For >20 To 50, Add</i>	197.09
		<i>For >50 To 100, Add</i>	98.55

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01	10 91-0014	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	1,972.99	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	470.57	
			For >20 To 50, Add	376.45	
			For >50 To 100, Add	188.23	
26 01	10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	899.29	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	202.14	
			For >20 To 50, Add	161.71	
			For >50 To 100, Add	80.86	
26 01	10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	1,324.43	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	308.43	
			For >20 To 50, Add	246.74	
			For >50 To 100, Add	123.37	

26 01 20 Operation and Maintenance of Low-Voltage Electrical**Distribution** (26 01)**26 01 20 91 Low-Voltage Electrical Distribution Restoration** (26 01 20)

26 01	20 91-0001		Lock Out/Tag Out Devices <small>(26 01 20 91)</small> Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.		
26 01	20 91-0002	EA	Lock Out/Tag Out Local Disconnect.....	53.32	
			Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).		
26 01	20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter.....	53.32	
			Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).		
26 01	20 91-0004	EA	Lock Out Padlock Device.....	14.81	
			Note: Includes the installation and removal of pad lock when required		
26 01	20 91-0005	EA	Lock Out Tags.....	5.27	
			Note: Includes filling out tag information, installation and removal of identifying tags.		
26 01	20 91-0006		Existing Circuit Tracing <small>(26 01 20 91)</small>		
26 01	20 91-0007	EA	Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device.....	30.82	
26 01	20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit.....	30.82	

26 01 30 Operation and Maintenance of Facility Electrical Power**Generating and Storing Equipment** (26 01)**26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration** (26 01 30)

26 01	30 91-0001		Emergency Generator Permits <small>(26 01 30 91)</small>		
26 01	30 91-0002		Air Pollution Control Board <small>(26 01 30 91-0001)</small>		
26 01	30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator.....	4,719.83	

26 01 50 Operation and Maintenance of Lighting (26 01)**26 01 50 51 Luminaire Relamping** (26 01 50)

26 01	50 51-0001		Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small> Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01	50 51-0002		Halogen Lamps <small>(26 01 50 51-0001)</small>		
26 01	50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp.....	48.21	
26 01	50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp.....	60.62	
26 01	50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp.....	88.34	
26 01	50 51-0006	EA	60 Watt, PAR38, Halogen Lamp.....	26.96	
26 01	50 51-0007	EA	75 Watt, PAR38, Halogen Lamp.....	26.96	
26 01	50 51-0008	EA	90 Watt, PAR38, Halogen Lamp.....	25.86	
26 01	50 51-0009	EA	100 Watt, PAR38, Halogen Lamp.....	25.86	
26 01	50 51-0010	EA	60 Watt, PAR38, Halogen IR Reflective Lamp.....	43.62	
26 01	50 51-0011	EA	67 Watt, PAR38, Halogen IR Reflective Lamp.....	47.91	
26 01	50 51-0012	EA	70 Watt, PAR38, Halogen IR Reflective Lamp.....	46.80	
26 01	50 51-0013	EA	90 Watt, PAR38, Halogen IR Reflective Lamp.....	50.08	
26 01	50 51-0014	EA	100 Watt, PAR38, Halogen IR Reflective Lamp.....	50.77	
26 01	50 51-0015	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10).....	26.70	
26 01	50 51-0016	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20).....	26.70	
26 01	50 51-0017	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25).....	29.17	
26 01	50 51-0018	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36).....	29.17	
26 01	50 51-0019		Incandescent Lamps <small>(26 01 50 51-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0020 EA 100 Watt, Frosted, Interior Incandescent Lamp	8.00	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.42	
26 01 50 51-0021 EA 150 Watt, Frosted, Interior Incandescent Lamp	9.39	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.42	
26 01 50 51-0022 EA 200 Watt, Frosted, Interior Incandescent Lamp	10.97	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.42	
26 01 50 51-0023 EA 300 Watt, PS25, Interior Incandescent Lamp	12.95	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.42	
26 01 50 51-0024 EA 60 Watt, G25, Clear, Interior Incandescent Lamp	10.28	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.42	
26 01 50 51-0025 EA 75 Watt, R20, Interior Incandescent Lamp	15.41	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.90	
26 01 50 51-0026 EA 75 Watt, PAR38, Exterior Incandescent Lamp	18.18	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.90	
26 01 50 51-0027 EA 100 Watt, PAR38, Exterior Incandescent Lamp	17.08	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.90	
26 01 50 51-0028 EA 150 Watt, PAR38, Exterior Incandescent Lamp	27.58	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.90	
26 01 50 51-0029 EA 250 Watt, PAR38, Exterior Incandescent Lamp	54.49	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.38	
26 01 50 51-0030 EA 300 Watt, PAR56, Exterior Incandescent Lamp	62.20	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.38	
26 01 50 51-0031 Exit Light Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0032 EA Convert Exit Light Lamps To Red LED Lamps	129.67	
<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0033 EA Fluorescent Lamp For Exit Light	36.24	
<i>For Multiple Lamps In Fixture, Deduct</i>	-9.67	
26 01 50 51-0034 EA Lamp Replacement For Emergency Lights On Exit Sign	39.79	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.83	
26 01 50 51-0035 Fluorescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0036 EA 18", 15 Watt, T8 Fluorescent Lamp	14.66	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0037 EA 2', 17 Watt, T8 Fluorescent Lamp	17.21	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0038 EA 3', 25 Watt, T8 Fluorescent Lamp	19.73	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0039 EA 4', 32 Watt, T8 Fluorescent Lamp	18.86	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0040 EA 4', 30 Watt, T8 Fluorescent Lamp	24.13	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0041 EA 4', 28 Watt, T8 Fluorescent Lamp	21.45	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0042 EA 4', 25 Watt, T8 Fluorescent Lamp	21.34	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0043 EA 4', 44 Watt, T8HO Fluorescent Lamp	32.88	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0044 EA 8', 59 Watt, T8 Fluorescent Lamp	25.63	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0045 EA 18", 15 Watt, T12 Fluorescent Lamp	21.09	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0046 EA 2', 20 Watt, T12 Fluorescent Lamp	16.48	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0047 EA 3', 30 Watt, T12 Fluorescent Lamp	18.52	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0048 EA 4', 34 Watt, T12 Fluorescent Lamp	18.60	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0049 EA 4', 40 Watt, T12 Fluorescent Lamp	18.27	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0050 EA 8', 60 Watt, T12 Fluorescent Lamp	26.22	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0051 EA 8', 75 Watt, T12 Fluorescent Lamp	22.52	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0052 EA 8', 95 Watt, Instant Start T12 Fluorescent Lamp	33.93	
26 01 50 51-0053 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	21.32	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0054 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	17.91	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0055 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	17.38	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0056 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	19.01	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0057 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	30.59	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.83	
26 01 50 51-0058 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	29.58	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.83	
26 01 50 51-0059 EA 6", 4 Watt, T5 Fluorescent Lamp	16.04	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0060 EA 9", 6 Watt, T5 Fluorescent Lamp	15.81	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0061 EA 12", 8 Watt, T5 Fluorescent Lamp.....	16.25	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0062 EA 21", 13 Watt, T5 Fluorescent Lamp.....	16.90	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0063 EA 24", 14 Watt, T5 Fluorescent Lamp.....	19.16	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0064 EA 34", 21 Watt, T5 Fluorescent Lamp.....	20.92	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0065 EA 46", 28 Watt, T5 Fluorescent Lamp.....	20.34	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0066 EA 46", 54 Watt, T5HO Fluorescent Lamp.....	22.03	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0067 EA 46", 54 Watt T5 Fluorescent Lamp.....	18.67	
26 01 50 51-0068 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp.....	12.34	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.42	
26 01 50 51-0069 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp.....	13.52	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.42	
26 01 50 51-0070 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp.....	26.43	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.42	
26 01 50 51-0071 EA Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux.....	34.85	
26 01 50 51-0072 EA Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux.....	34.85	
26 01 50 51-0073 EA 32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin.....	63.10	
26 01 50 51-0074 EA 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp.....	23.69	
26 01 50 51-0075 EA <9 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	12.11	
26 01 50 51-0076 EA 9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	10.73	
26 01 50 51-0077 EA 29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	11.16	
26 01 50 51-0078 EA 33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	39.83	
26 01 50 51-0079 EA 43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	43.27	
26 01 50 51-0080 EA 85 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	80.63	
26 01 50 51-0081 EA 105 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	96.19	
26 01 50 51-0082 EA 200 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	99.36	
26 01 50 51-0083 EA 11 Watt, Screw-In, Compact Fluorescent Reflector Lamps.....	37.69	
26 01 50 51-0084 EA 15 Watt, Screw-In, Compact Fluorescent Reflector Lamps.....	39.21	
26 01 50 51-0085 EA 20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps.....	44.91	
26 01 50 51-0086 Metal Halide Lamps (26 01 50 51-0001)		
26 01 50 51-0087 EA 50 Watt, Pulse Start Metal Halide Lamp.....	52.81	
26 01 50 51-0088 EA 70 Watt, Pulse Start Metal Halide Lamp.....	50.72	
26 01 50 51-0089 EA 100 Watt, Pulse Start Metal Halide Lamp.....	57.32	
26 01 50 51-0090 EA 150 Watt, Pulse Start Metal Halide Lamp.....	55.82	
26 01 50 51-0091 EA 175 Watt, Pulse Start Metal Halide Lamp.....	55.39	
26 01 50 51-0092 EA 250 Watt, Pulse Start Metal Halide Lamp.....	55.69	
26 01 50 51-0093 EA 400 Watt, Pulse Start Metal Halide Lamp.....	66.21	
26 01 50 51-0094 EA 1,000 Watt, Pulse Start Metal Halide Lamp.....	76.30	
26 01 50 51-0095 EA 1,500 Watt, Pulse Start Metal Halide Lamp.....	75.88	
26 01 50 51-0096 High Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0097 EA 35 Watt, High Pressure Sodium Lamp.....	44.30	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.72	
26 01 50 51-0098 EA 50 Watt, High Pressure Sodium Lamp.....	44.30	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.72	
26 01 50 51-0099 EA 70 Watt, High Pressure Sodium Lamp.....	45.20	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.72	
26 01 50 51-0100 EA 100 Watt, High Pressure Sodium Lamp.....	46.92	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.72	
26 01 50 51-0101 EA 150 Watt, High Pressure Sodium Lamp.....	45.20	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.72	
26 01 50 51-0102 EA 250 Watt, High Pressure Sodium Lamp.....	45.20	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.72	
26 01 50 51-0103 EA 400 Watt, High Pressure Sodium Lamp.....	42.65	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.72	
26 01 50 51-0104 EA 1,000 Watt, High Pressure Sodium Lamp.....	94.16	
26 01 50 51-0105 Low Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0106 EA 35 Watt, Low Pressure Sodium Lamp.....	106.28	
26 01 50 51-0107 EA 55 Watt, Low Pressure Sodium Lamp.....	118.12	
26 01 50 51-0108 EA 70 Watt, Low Pressure Sodium Lamp.....	120.78	
26 01 50 51-0109 EA 90 Watt, Low Pressure Sodium Lamp.....	123.45	
26 01 50 51-0110 EA 135 Watt, Low Pressure Sodium Lamp.....	134.11	
26 01 50 51-0111 EA 180 Watt, Low Pressure Sodium Lamp.....	182.10	
26 01 50 51-0112 LED Lamps (26 01 50 51-0001)		
26 01 50 51-0113 LED Lamps, Candelabra Base, CA10 (26 01 50 51-0112)		
26 01 50 51-0114 EA 3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star).....	17.56	
26 01 50 51-0115 LED Lamps, Medium Base, A19 Or A21 (26 01 50 51-0112)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				26 01 50 51-0116 EA 6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	22.79	
				26 01 50 51-0117 EA 11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	22.79	
				26 01 50 51-0118 EA 14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	36.85	
				26 01 50 51-0119 EA 17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	26.34	
				26 01 50 51-0120 EA 18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	45.63	
26 01 50 51-0121				LED Lamps, Medium Base, BR30 Or BR40 <small>(26 01 50 51-0112)</small>		
				26 01 50 51-0122 EA 9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	31.07	
				26 01 50 51-0123 EA 14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	28.10	
				26 01 50 51-0124 EA 11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	35.99	
				26 01 50 51-0125 EA 14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	30.73	
				26 01 50 51-0126 EA 14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	39.50	
				26 01 50 51-0127 EA 18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	30.73	
26 01 50 51-0128				LED Lamps, Medium Base, PAR <small>(26 01 50 51-0112)</small>		
				26 01 50 51-0129 EA 7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star).....	33.88	
				26 01 50 51-0130 EA 12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star).....	44.79	
				26 01 50 51-0131 EA 16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	44.79	
				26 01 50 51-0132 EA 15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	43.03	
				26 01 50 51-0133 EA 12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	41.27	
				26 01 50 51-0134 EA 15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	41.27	
				26 01 50 51-0135 EA 18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	76.77	
				26 01 50 51-0136 EA 15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	44.79	
				26 01 50 51-0137 EA 18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	43.03	
				26 01 50 51-0138 EA 19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star).....	44.79	
				26 01 50 51-0139 EA 24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	44.79	
26 01 50 51-0140				LED Lamps, GU Base, MR16 <small>(26 01 50 51-0112)</small>		
				26 01 50 51-0141 EA 4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	24.58	
				26 01 50 51-0142 EA 6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....	31.07	
				26 01 50 51-0143 EA 8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	33.88	
26 01 50 51-0144				LED Lamps, PL Series <small>(26 01 50 51-0112)</small>		
				26 01 50 51-0145 EA 3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23).....	19.71	
				26 01 50 51-0146 EA 26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/827/DIR).....	26.28	
				26 01 50 51-0147 EA 26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/830/DIR).....	22.57	
				26 01 50 51-0148 EA 26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/835/DIR).....	24.89	
				26 01 50 51-0149 EA 26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/840/DIR).....	24.89	
				26 01 50 51-0150 EA 26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 10.5PLH/930/DIR).....	29.05	
				26 01 50 51-0151 EA 13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/827/DIR).....	24.89	
				26 01 50 51-0152 EA 13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/830/DIR).....	24.89	
				26 01 50 51-0153 EA 13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/835/DIR).....	24.89	
				26 01 50 51-0154 EA 13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/840/DIR).....	24.89	
				26 01 50 51-0155 EA 26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 10PLV/827/DIR).....	27.66	
				26 01 50 51-0156 EA 26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/830/DIR).....	27.66	
				26 01 50 51-0157 EA 26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 10PLV/835/DIR).....	27.66	
				26 01 50 51-0158 EA 26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/840/DIR).....	27.66	
				26 01 50 51-0159 EA 26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 11PLV/930/DIR).....	26.28	
				26 01 50 51-0160 EA 13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/827/DIR).....	26.28	
				26 01 50 51-0161 EA 13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/830/DIR).....	26.28	
				26 01 50 51-0162 EA 13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/835/DIR).....	27.20	
				26 01 50 51-0163 EA 13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/840/DIR).....	27.20	
				26 01 50 51-0164 EA 26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP).....	27.41	
				26 01 50 51-0165 EA 26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP).....	27.41	
				26 01 50 51-0166 EA 26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP).....	27.41	
				26 01 50 51-0167 EA 26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP).....	27.41	
				26 01 50 51-0168 EA 13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP).....	28.13	
				26 01 50 51-0169 EA 13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP).....	28.13	
				26 01 50 51-0170 EA 13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26).....	28.13	
				26 01 50 51-0171 EA 13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26).....	28.13	
				26 01 50 51-0172 EA 13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26).....	28.13	
				26 01 50 51-0173 EA 13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24).....	28.13	
				26 01 50 51-0174 EA 13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24).....	28.13	
				26 01 50 51-0175 EA 13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24).....	28.13	
				26 01 50 51-0176 EA 26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP).....	35.36	
				26 01 50 51-0177 EA 26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP).....	35.36	
				26 01 50 51-0178 EA 26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP).....	35.36	
				26 01 50 51-0179 EA 26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP).....	33.69	
				26 01 50 51-0180 EA 13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP).....	33.69	
				26 01 50 51-0181 EA 13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP).....	33.69	
				26 01 50 51-0182 EA 4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898).....	27.09	
26 01 50 51-0183				HID LED Lamps, Medium Base E26 <small>(26 01 50 51-0112)</small>		
				26 01 50 51-0184 EA 27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26).....	65.64	
				26 01 50 51-0185 EA 27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26).....	65.64	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT
UNIT COST DEMOLITION
UNIT COST

26 01 50 51-0186	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26)	82.76	
26 01 50 51-0187	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26)	82.76	
26 01 50 51-0188	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	58.88	
26 01 50 51-0189	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	58.88	
26 01 50 51-0190	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	58.88	
26 01 50 51-0191	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	58.88	
26 01 50 51-0192	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	60.73	
26 01 50 51-0193	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	60.73	
26 01 50 51-0194	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	60.73	
26 01 50 51-0195	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	60.73	
26 01 50 51-0196	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	68.14	
26 01 50 51-0197	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	68.14	
26 01 50 51-0198	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	68.14	
26 01 50 51-0199	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	68.14	
26 01 50 51-0200	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	77.40	
26 01 50 51-0201	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	77.40	
26 01 50 51-0202	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	77.40	
26 01 50 51-0203	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	77.40	
26 01 50 51-0204	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	97.77	
26 01 50 51-0205	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	97.77	
26 01 50 51-0206	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	97.77	
26 01 50 51-0207	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	97.77	
26 01 50 51-0208	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	115.36	
26 01 50 51-0209	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	115.36	
26 01 50 51-0210	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	115.36	
26 01 50 51-0211	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	115.36	
26 01 50 51-0212	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	127.40	
26 01 50 51-0213	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	127.40	
26 01 50 51-0214	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	127.40	
26 01 50 51-0215	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	127.40	
26 01 50 51-0216	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	170.92	
26 01 50 51-0217	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	170.92	
26 01 50 51-0218	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	170.92	
26 01 50 51-0219	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	170.92	
26 01 50 51-0220	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	176.48	
26 01 50 51-0221	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	176.48	
26 01 50 51-0222	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	176.48	
26 01 50 51-0223	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	176.48	
26 01 50 51-0224	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	208.89	
26 01 50 51-0225	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	208.89	
26 01 50 51-0226	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	208.89	
26 01 50 51-0227	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	208.89	
26 01 50 51-0228	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	247.78	
26 01 50 51-0229	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	247.78	
26 01 50 51-0230	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	247.78	
26 01 50 51-0231	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	247.78	
26 01 50 51-0232	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	80.88	
26 01 50 51-0233	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	87.36	
26 01 50 51-0234	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	87.36	
26 01 50 51-0235	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	80.88	
26 01 50 51-0236	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	101.25	
26 01 50 51-0237	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	92.92	
26 01 50 51-0238	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	114.44	
26 01 50 51-0239	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	110.35	
26 01 50 51-0240	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	112.83	
26 01 50 51-0241	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	112.83	
26 01 50 51-0242	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	68.87	
26 01 50 51-0243	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	68.87	
26 01 50 51-0244	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	77.44	
26 01 50 51-0245	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	77.44	
26 01 50 51-0246	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	83.13	
26 01 50 51-0247	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	83.13	
26 01 50 51-0248	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	91.69	
26 01 50 51-0249	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	91.69	
26 01 50 51-0250	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	92.13	
26 01 50 51-0251	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	99.73	
26 01 50 51-0252	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	123.71	
26 01 50 51-0253	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	136.12	
26 01 50 51-0254	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	54.35	
26 01 50 51-0255	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	61.02	
26 01 50 51-0256	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	64.35	
26 01 50 51-0257	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	70.56	
26 01 50 51-0258	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148015-UNV)	84.56	
26 01 50 51-0259	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148020-UNV)	98.81	
26 01 50 51-0260	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148025-UNV)	134.42	
26 01 50 51-0261	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148030-UNV)	141.54	
26 01 50 51-0262	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148035-UNV)	152.94	
26 01 50 51-0263	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148040-UNV)	160.06	
26 01 50 51-0264	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148060-UNV)	229.88	
26 01 50 51-0265	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	71.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<p>26 01 50 51-0266 HID LED Lamps, Mogul Base E39 Or EX39 <small>(26 01 50 51-0112)</small></p>					
26 01 50 51-0267	EA		120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39).....	220.34	
26 01 50 51-0268	EA		120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39).....	220.34	
26 01 50 51-0269	EA		120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39).....	220.34	
26 01 50 51-0270	EA		27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39).....	65.64	
26 01 50 51-0271	EA		27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R).....	65.64	
26 01 50 51-0272	EA		27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39).....	65.64	
26 01 50 51-0273	EA		45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39).....	82.76	
26 01 50 51-0274	EA		45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R).....	82.76	
26 01 50 51-0275	EA		45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39).....	82.76	
26 01 50 51-0276	EA		80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39).....	152.21	
26 01 50 51-0277	EA		80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039).....	170.92	
26 01 50 51-0278	EA		80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039).....	170.92	
26 01 50 51-0279	EA		80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039).....	170.92	
26 01 50 51-0280	EA		80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039).....	170.92	
26 01 50 51-0281	EA		100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039).....	176.48	
26 01 50 51-0282	EA		100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039).....	176.48	
26 01 50 51-0283	EA		100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039).....	176.48	
26 01 50 51-0284	EA		100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039).....	176.48	
26 01 50 51-0285	EA		120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039).....	208.89	
26 01 50 51-0286	EA		120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039).....	208.89	
26 01 50 51-0287	EA		120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039).....	208.89	
26 01 50 51-0288	EA		120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039).....	208.89	
26 01 50 51-0289	EA		150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039).....	247.78	
26 01 50 51-0290	EA		150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039).....	247.78	
26 01 50 51-0291	EA		150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039).....	247.78	
26 01 50 51-0292	EA		150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039).....	247.78	
26 01 50 51-0293	EA		27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5).....	87.36	
26 01 50 51-0294	EA		27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5).....	87.36	
26 01 50 51-0295	EA		36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5).....	101.25	
26 01 50 51-0296	EA		36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5).....	99.98	
26 01 50 51-0297	EA		45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5).....	111.44	
26 01 50 51-0298	EA		45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5).....	110.35	
26 01 50 51-0299	EA		54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5).....	112.83	
26 01 50 51-0300	EA		54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5).....	109.61	
26 01 50 51-0301	EA		100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5).....	235.52	
26 01 50 51-0302	EA		20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/40KMOG-G7).....	87.34	
26 01 50 51-0303	EA		20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/50KMOG-G7).....	87.34	
26 01 50 51-0304	EA		30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/40KMOG-G7).....	98.86	
26 01 50 51-0305	EA		30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/50KMOG-G7).....	98.86	
26 01 50 51-0306	EA		40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/40KMOG-G7).....	105.78	
26 01 50 51-0307	EA		40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/50KMOG-G7).....	105.78	
26 01 50 51-0308	EA		27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7).....	68.76	
26 01 50 51-0309	EA		27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7).....	68.76	
26 01 50 51-0310	EA		36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7).....	77.44	
26 01 50 51-0311	EA		36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7).....	77.44	
26 01 50 51-0312	EA		45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7).....	83.13	
26 01 50 51-0313	EA		45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7).....	83.13	
26 01 50 51-0314	EA		54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7).....	91.69	
26 01 50 51-0315	EA		54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7).....	91.69	
26 01 50 51-0316	EA		65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39).....	163.81	
26 01 50 51-0317	EA		80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39).....	189.18	
26 01 50 51-0318	EA		100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39).....	225.29	
26 01 50 51-0319	EA		120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39).....	437.96	
26 01 50 51-0320	EA		150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39).....	413.67	
26 01 50 51-0321	EA		200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39).....	437.96	
26 01 50 51-0322	EA		250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39).....	439.85	
26 01 50 51-0323	EA		24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A).....	68.33	
26 01 50 51-0324	EA		24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A).....	68.33	
26 01 50 51-0325	EA		24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A).....	68.33	
26 01 50 51-0326	EA		100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50).....	199.54	
26 01 50 51-0327	EA		115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D).....	398.45	
26 01 50 51-0328	EA		40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K).....	183.61	
26 01 50 51-0329	EA		100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K).....	215.61	
26 01 50 51-0330	EA		45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Flood Lamp (HYLITE HL-OC-45W-E39-50K).....	97.25	
26 01 50 51-0331	EA		40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K).....	280.32	
<p>26 01 50 51-0332 LED Lamps, 2G11 Base <small>(26 01 50 51-0112)</small></p>					
26 01 50 51-0333	EA		19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR).....	48.05	
<p>26 01 50 51-0334 LED Lamps, GX23 Or G23 Base <small>(26 01 50 51-0112)</small></p>					
26 01 50 51-0335	EA		5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4).....	24.49	
<p>26 01 50 51-0336 LED Lamps, G24 Base <small>(26 01 50 51-0112)</small></p>					
26 01 50 51-0337	EA		5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLL/835/DIR/R).....	31.32	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 51-0338 LED Tubes (Fluorescent Lamp Replacement) <small>(26 01 50 51-0112)</small>			
26 01 50 51-0339	EA 2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K).....	42.87	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0340	EA 2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K).....	55.12	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0341	EA 3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K).....	46.16	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.11	
26 01 50 51-0342	EA 4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K).....	50.46	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0343	EA 4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K).....	55.06	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0344	EA 4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN).....	35.51	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0345	EA 2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN).....	34.04	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0346	EA 2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF).....	31.19	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-3.86	
26 01 50 51-0347	EA 3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF).....	31.84	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.11	
26 01 50 51-0348	EA 4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF).....	31.98	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	
26 01 50 51-0349	EA 4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF).....	33.06	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-4.35	

26 01 50 51-0350 Filament LED Lamps <small>(26 01 50 51-0112)</small>			
26 01 50 51-0351	EA 7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827).....	21.74	
26 01 50 51-0352	EA 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R).....	21.74	
26 01 50 51-0353	EA 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827).....	20.82	
26 01 50 51-0354	EA 4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A).....	20.82	
26 01 50 51-0355	EA 4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827).....	22.30	
26 01 50 51-0356	EA 4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A).....	22.30	
26 01 50 51-0357	EA 3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827).....	18.97	
26 01 50 51-0358	EA 3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26).....	18.97	
26 01 50 51-0359	EA 3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A).....	19.52	
26 01 50 51-0360	EA 3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 3.5FST19DIM/824/A).....	23.60	
26 01 50 51-0361	EA 4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521).....	23.79	

26 01 50 51-0362 Other Lamps <small>(26 01 50 51-0112)</small>			
26 01 50 51-0363	EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1).....	20.67	
26 01 50 51-0364	EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM).....	20.67	
26 01 50 51-0365	EA 11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM).....	20.67	
26 01 50 51-0366	EA 12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1).....	21.60	
26 01 50 51-0367	EA 13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1).....	21.60	
26 01 50 51-0368	EA 8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1).....	21.60	

26 01 50 51-0369 LED Lamps, Light Engines, Round, LER Series <small>(26 01 50 51-0112)</small>			
26 01 50 51-0370	EA 5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730).....	57.81	
26 01 50 51-0371	EA 9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U).....	35.41	

26 01 50 51-0372 Recycle Hazardous Lamps <small>(26 01 50 51)</small>			
Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 01 22 23 00-0001 for work over 14' to add appropriate aerial lift.			
26 01 50 51-0373	EA Recycle 2' Length Linear Fluorescent Lamps.....	0.45	
26 01 50 51-0374	EA Recycle 3' Length Linear Fluorescent Lamps.....	0.68	
26 01 50 51-0375	EA Recycle 4' Length Linear Fluorescent Lamps.....	0.90	
26 01 50 51-0376	EA Recycle 6' Length Linear Fluorescent Lamps.....	1.36	
26 01 50 51-0377	EA Recycle 8' Length Linear Fluorescent Lamps.....	1.81	
26 01 50 51-0378	EA Recycle Compact Fluorescent Lamps.....	0.81	
26 01 50 51-0379	EA Recycle U-Shaped Or Circular Fluorescent Lamps.....	0.81	
26 01 50 51-0380	EA Recycle High Intensity Discharge (HID) Lamps.....	2.82	

26 01 50 52 Ballasts Replacement (26 01 50)

26 01 50 52-0001 Owner Supplied Ballasts <small>(26 01 50 52)</small>			
26 01 50 52-0002	EA Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	29.29	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.79	
26 01 50 52-0003	EA Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	36.60	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.98	
26 01 50 52-0004	EA Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	42.46	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0005 EA Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	45.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.62	
26 01 50 52-0006 EA Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast.....	51.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0007 EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast.....	54.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.25	
26 01 50 52-0008 High Intensity Discharge (HID) Ballasts <small>(26 01 50 52)</small>		
26 01 50 52-0009 Magnetic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0008)</small>		
26 01 50 52-0010 Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0011 Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0012 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	182.92	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0013 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	187.18	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0014 EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	187.18	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0015 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	175.06	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0016 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	175.06	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0017 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	256.30	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0018 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	256.30	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0019 EA 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	327.86	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0020 EA 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	364.37	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0021 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0022 EA 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	166.09	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0023 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	175.61	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0024 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	171.50	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0025 EA 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	200.12	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0026 EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	196.03	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0027 EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	222.59	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0028 EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	222.59	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0029 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	266.76	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0030 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	266.76	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0031 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	421.74	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0032 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	421.74	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0033 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0034 EA Single Mounting Bracket For Core And Coil Type.....	20.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.39	
26 01 50 52-0035 EA Double Mounting Bracket For Core And Coil Type.....	33.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 01 50 52-0036 F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0037 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0036)</small>		
26 01 50 52-0038 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	229.82	36.60
<i>For Pulse Start Ballast, Add</i>	17.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0039 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	241.63	36.60
<i>For Pulse Start Ballast, Add</i>	19.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0040 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	220.88	36.60
<i>For Pulse Start Ballast, Add</i>	16.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0041 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	254.98	36.60
<i>For Pulse Start Ballast, Add</i>	20.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0042 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	350.57	36.60
<i>For Pulse Start Ballast, Add</i>	29.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0043 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0036)</small>		
26 01 50 52-0044 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	274.58	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0045 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	293.00	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0046 Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0047 Metal Halide, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0046)</small>		
26 01 50 52-0048 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	451.10	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0049 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0046)</small>		
26 01 50 52-0050 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	690.84	37.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.55	
26 01 50 52-0051 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	769.34	37.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.55	
26 01 50 52-0052 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	742.18	37.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.55	
26 01 50 52-0053 Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0054 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0053)</small>		
26 01 50 52-0055 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	553.35	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0056 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	626.85	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0057 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	825.07	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0058 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	820.80	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0059 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,146.94	39.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.25	
26 01 50 52-0060 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,146.94	39.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.25	
26 01 50 52-0061 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	791.64	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0062 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	929.79	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0063 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0053)</small>		
26 01 50 52-0064 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,024.78	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0065 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	976.09	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0066 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,252.14	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0067 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,252.14	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0068 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0069 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0068)</small>		
26 01 50 52-0070 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	620.70	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0071 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	669.76	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0072 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	664.93	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0073 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	697.79	36.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 01 50 52-0074 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,104.08	39.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.25	
26 01 50 52-0075 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,355.05	39.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0076 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,030.49 15.37	36.60
26 01 50 52-0077 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	938.98 15.37	36.60
26 01 50 52-0078 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0068)</small>		
26 01 50 52-0079 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	798.71 15.37	36.60
26 01 50 52-0080 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	860.58 15.37	36.60
26 01 50 52-0081 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,280.70 15.37	36.60
26 01 50 52-0082 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,103.20 15.37	36.60
26 01 50 52-0083 Electronic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0008)</small>		
26 01 50 52-0084 Electronic Low Frequency High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0083)</small>		
26 01 50 52-0085 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.35 15.37	36.60
26 01 50 52-0086 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.35 15.37	36.60
26 01 50 52-0087 EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.36 15.37	36.60
26 01 50 52-0088 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	718.95 15.37	36.60
26 01 50 52-0089 EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	718.95 15.37	36.60
26 01 50 52-0090 EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	718.95 15.37	36.60
26 01 50 52-0091 EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	718.95 15.37	36.60
26 01 50 52-0092 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	718.95 15.37	36.60
26 01 50 53 Lens and Accessory Replacement <small>(26 01 50)</small>		
26 01 50 53-0001 Lens and Accessory Replacement <small>(26 01 50 53)</small>		
26 01 50 53-0002 EA Removal And Replacement Of Parabolic Aluminum Louver.....	90.20	
26 01 50 53-0003 EA Removal And Replacement Of Visor For Fixtures	213.22	
26 01 50 53-0004 EA Removal And Replacement Of Globe On Pole	229.01	
26 01 50 53-0005 EA Removal And Replacement Of Lenses For Flat Top Pole Fixtures.....	102.21	
26 01 50 53-0006 EA Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	35.99	
26 01 50 53-0007 EA Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	37.02	
26 01 50 53-0008 EA Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	41.46	
26 01 50 53-0009 EA Removal And Replacement Of Slide-On Lampholder..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.41 4.44	
26 01 50 53-0010 EA Removal And Replacement Of Screw Mount Lampholder..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57 4.44	
26 01 50 53-0011 EA Removal And Replacement Of Medium Bi-Pin Lampholder	17.93	
26 01 50 53-0012 EA Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.01 4.44	
26 01 50 53-0013 EA Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.37 4.44	
26 01 50 53-0014 EA Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in	17.72	
26 01 50 53-0015 EA Removal And Replacement Of Exterior Light Globes	59.74	
26 01 50 81 Luminaire Replacement <small>(26 01 50)</small>		
26 01 50 81-0001 Retrofit Lighting Fixtures <small>(26 01 50 81)</small>		
26 01 50 81-0002 LED Lighting Retrofits For Existing Fixtures <small>(26 01 50 81-0001)</small>		
26 01 50 81-0003 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) <small>(26 01 50 81-0002)</small>		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 81-0004 EA 7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927).....	123.18	
26 01 50 81-0005 EA 7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930).....	123.18	
26 01 50 81-0006 EA 7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940).....	123.18	
26 01 50 81-0007 EA 4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827).....	103.27	
26 01 50 81-0008 EA 4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830).....	103.27	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0009 EA 4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	103.27	
26 01 50 81-0010 EA 6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	111.66	
26 01 50 81-0011 EA 6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	111.66	
26 01 50 81-0012 EA 6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	111.66	
26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) <small>(26 01 50 81-0002)</small>		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 81-0014 EA 2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w)	346.67	
26 01 50 81-0015 EA 3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w)	359.25	
26 01 50 81-0016 EA 4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w)	371.82	
26 01 50 81-0017 EA 5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w)	387.36	
26 01 50 81-0018 EA 6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w)	424.03	
26 01 50 81-0019 EA 7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w)	439.57	
26 01 50 81-0020 EA 8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w)	474.15	
26 01 50 81-0021 EA 9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w)	486.72	
26 01 50 81-0022 EA 10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w)	502.27	
26 01 50 81-0023 EA 11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w)	525.32	
26 01 50 81-0024 EA 12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w)	550.29	
26 01 50 81-0025 EA 13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w)	574.39	
26 01 50 81-0026 EA 14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w)	586.97	
26 01 50 81-0027 EA 16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w)	607.92	
26 01 50 81-0028 EA 17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w)	633.32	
26 01 50 81-0029 EA 18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w)	659.52	
26 01 50 81-0030 EA 19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w)	699.34	
26 01 50 81-0031 EA 20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w)	717.15	
26 01 50 81-0032 EA 21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w)	748.41	
26 01 50 81-0033 EA 22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w)	789.28	
26 01 50 81-0034 EA 23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w)	810.23	
26 01 50 81-0035 EA 24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w)	860.78	
26 01 50 81-0036 EA 25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w)	906.89	
26 01 50 81-0037 EA 26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w)	939.19	
26 01 50 81-0038 EA 27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w)	984.25	
26 01 50 81-0039 EA 28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w)	1,072.10	
26 01 50 81-0040 EA 29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w)	1,082.58	
26 01 50 81-0041 EA 31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w)	1,110.08	
26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen) <small>(26 01 50 81-0002)</small>		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 81-0043 EA 20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35)	151.59	
Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0044 EA 20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40)	151.59	
Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0045 EA 20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50)	151.59	
Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0046 EA 30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35)	156.83	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0047 EA 2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40)	156.83	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0048 EA 2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50)	156.83	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0049 EA 2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35)	167.31	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0050 EA 2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40)	167.31	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0051 EA 2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50)	167.31	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0052 EA 3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35)	156.83	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0053 EA 3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40)	156.83	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0054 EA 3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50)	156.83	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0055 EA 3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35)	167.31	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0056 EA 3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40)	167.31	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0057 EA 3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50)	167.31	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0058 EA 3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35)	188.27	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0059 EA 3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40)	188.27	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0060 EA 3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50)	188.27	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0061 EA 1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35)	151.59	
Note: Fits 1' x 2' Troffer/Strip		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0062 EA 1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40) Note: Fits 1' x 2' Troffer/Strip	151.59	
26 01 50 81-0063 EA 1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50) Note: Fits 1' x 2' Troffer/Strip	151.59	
26 01 50 81-0064 EA 2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35) Note: Fits 2' x 2' Troffer/Strip	151.59	
26 01 50 81-0065 EA 2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) Note: Fits 2' x 2' Troffer/Strip	151.59	
26 01 50 81-0066 EA 2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) Note: Fits 2' x 2' Troffer/Strip	151.59	
26 01 50 81-0067 EA 3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) Note: Fits 2' x 2' Troffer/Strip	156.83	
26 01 50 81-0068 EA 3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) Note: Fits 2' x 2' Troffer/Strip	156.83	
26 01 50 81-0069 EA 3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) Note: Fits 2' x 2' Troffer/Strip	156.83	
26 01 50 81-0070 EA 3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) Note: Fits 2' x 2' Troffer/Strip	163.12	
26 01 50 81-0071 EA 3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) Note: Fits 2' x 2' Troffer/Strip	163.12	
26 01 50 81-0072 EA 3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) Note: Fits 2' x 2' Troffer/Strip	163.12	
26 01 50 81-0073 LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) <small>(26 01 50 81-0002)</small>		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 81-0074 EA 34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN).....	324.29	
26 01 50 81-0075 EA 34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN).....	324.29	
26 01 50 81-0076 EA 26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN).....	293.91	
26 01 50 81-0077 EA 26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN).....	293.91	
26 01 50 81-0078 EA 25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) Note: No sensor, ZigBee ready driver	152.58	
26 01 50 81-0079 EA 25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) Note: No sensor, ZigBee ready driver	152.58	
26 01 50 81-0080 EA 31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) Note: No sensor, ZigBee ready driver	172.49	
26 01 50 81-0081 EA 31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) Note: No sensor, ZigBee ready driver	172.49	
26 01 50 81-0082 EA 25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	187.16	
26 01 50 81-0083 EA 25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	187.16	
26 01 50 81-0084 EA 31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	192.40	
26 01 50 81-0085 EA 31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	192.40	
26 01 50 81-0086 EA 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120) Note: No sensor, ZigBee ready driver	122.19	
26 01 50 81-0087 EA 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120) Note: No sensor, ZigBee ready driver	122.19	
26 01 50 81-0088 EA 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880) Note: No sensor, ZigBee ready driver	134.76	
26 01 50 81-0089 EA 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880) Note: No sensor, ZigBee ready driver	134.76	
26 01 50 81-0090 EA 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) Note: No sensor, ZigBee ready driver	125.33	
26 01 50 81-0091 EA 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) Note: No sensor, ZigBee ready driver	125.33	
26 01 50 81-0092 EA 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) Note: No sensor, ZigBee ready driver	137.91	
26 01 50 81-0093 EA 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) Note: No sensor, ZigBee ready driver	137.91	
26 01 50 81-0094 EA 6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) Note: No sensor, ZigBee ready driver	124.28	
26 01 50 81-0095 EA 6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) Note: No sensor, ZigBee ready driver	124.28	
26 01 50 81-0096 EA 8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) Note: No sensor, ZigBee ready driver	133.72	
26 01 50 81-0097 EA 8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) Note: No sensor, ZigBee ready driver	133.72	
26 01 50 81-0098 LED Lighting Retrofit Accessories (LG) <small>(26 01 50 81-0002)</small>		
See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 81-0099 EA Dongle (LG LGE-DONGLE).....	25.52	
26 01 50 81-0100 EA 1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B).....	138.87	16.90
26 01 50 81-0101 EA 2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B).....	145.63	20.27
26 01 50 81-0102 EA 1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B).....	176.40	16.90

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0103 EA 2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B)	183.16	20.27
26 01 50 81-0104 EA Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR)	92.71	13.52
26 01 50 81-0105 EA Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP)	34.76	13.52
26 01 50 81-0106 EA Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE)	36.96	13.52
26 01 50 81-0107 EA Wireless Interface Module (LG PIHN-W005A)	90.27	20.27
Note: includes dongle		
26 01 50 81-0108 Retrofit Existing (T12) Fluorescent Fixtures <small>(26 01 50 81-0001)</small>		
Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0372 for hazardous lamp recycling.		
26 01 50 81-0109 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector <small>(26 01 50 81-0108)</small>		
Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0110 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp	112.76	
For Specular Ballast Cover, Add	12.19	
26 01 50 81-0111 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	118.82	
For Specular Ballast Cover, Add	13.40	
26 01 50 81-0112 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	158.70	
For Specular Ballast Cover, Add	21.37	
26 01 50 81-0113 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	179.82	
For Specular Ballast Cover, Add	25.60	
26 01 50 81-0114 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector <small>(26 01 50 81-0108)</small>		
Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0115 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp	118.63	
For Specular Reflector, Add	13.36	
26 01 50 81-0116 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	125.39	
For Specular Reflector, Add	14.71	
26 01 50 81-0117 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	166.92	
For Specular Reflector, Add	23.02	
26 01 50 81-0118 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	208.69	
For Specular Reflector, Add	31.37	
26 01 50 81-0119 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures <small>(26 01 50 81-0108)</small>		
Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0120 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	148.69	
For Specular Reflector, Add	16.41	
26 01 50 81-0121 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	154.76	
For Specular Reflector, Add	17.62	
26 01 50 81-0122 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	158.33	
For Specular Reflector, Add	18.34	
26 01 50 81-0123 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	175.40	
For Specular Reflector, Add	21.75	
26 01 50 81-0124 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	209.56	
For Specular Reflector, Add	28.58	
26 01 50 81-0125 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	161.79	
For Specular Reflector, Add	19.03	
26 01 50 81-0126 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	175.90	
For Specular Reflector, Add	21.85	
26 01 50 81-0127 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	187.60	
For Specular Reflector, Add	24.19	
26 01 50 81-0128 Retrofit Existing Recessed Lay-In/Troffer Fixtures <small>(26 01 50 81-0001)</small>		
26 01 50 81-0129 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) <small>(26 01 50 81-0128)</small>		
Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 81-0130 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	172.14	
26 01 50 81-0131 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	172.14	
26 01 50 81-0132 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	172.14	
26 01 50 81-0133 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	185.66	
26 01 50 81-0134 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	172.14	
26 01 50 81-0135 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	172.14	
26 01 50 81-0136 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	172.14	
26 01 50 81-0137 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	185.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0138 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	173.00	
26 01 50 81-0139 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	173.00	
26 01 50 81-0140 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	173.00	
26 01 50 81-0141 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	186.51	
26 01 50 81-0142 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	173.00	
26 01 50 81-0143 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	173.00	
26 01 50 81-0144 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	173.00	
26 01 50 81-0145 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	186.51	
26 01 50 81-0146 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) <small>(26 01 50 81-0128)</small>		
<small>Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.</small>		
26 01 50 81-0147 EA 2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025).....	232.16	
26 01 50 81-0148 EA 4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045).....	241.35	
26 01 50 81-0149 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) <small>(26 01 50 81-0128)</small>		
<small>Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.</small>		
26 01 50 81-0150 EA 1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L).....	352.67	
26 01 50 81-0151 EA 2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L).....	360.84	
26 01 50 81-0152 EA 2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L).....	352.67	
26 01 50 81-0153 EA 3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	360.84	
26 01 50 81-0154 EA 3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L).....	401.70	
26 01 50 81-0155 EA 4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	413.96	
26 01 50 81-0156 EA 5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	442.56	
26 01 50 81-0157 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) <small>(26 01 50 81-0128)</small>		
<small>Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.</small>		
26 01 50 81-0158 EA 3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	327.66	
26 01 50 81-0159 EA 3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	339.06	
26 01 50 81-0160 EA 3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	342.47	
26 01 50 81-0161 EA 3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	353.87	
26 01 50 81-0162 EA 2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDX84022MST).....	250.72	
26 01 50 81-0163 EA 4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDX84022MST).....	256.14	
26 01 50 81-0164 EA 3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDX84024MST).....	264.80	
26 01 50 81-0165 EA 4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDX84024MST).....	270.21	
26 01 50 81-0166 EA 6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDX84024MST).....	330.85	
26 01 50 81-0167 EA 8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDX84024MST).....	391.48	
26 01 50 81-0168 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) <small>(26 01 50 81-0128)</small>		
<small>Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.</small>		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0169 EA 1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	295.00	
26 01 50 81-0170 EA 1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	222.23	
26 01 50 81-0171 EA 2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	302.09	
26 01 50 81-0172 EA 2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	229.21	
26 01 50 81-0173 EA 3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	315.33	
26 01 50 81-0174 EA 3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	248.17	
26 01 50 81-0175 EA 1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	346.13	
26 01 50 81-0176 EA 1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	273.16	
26 01 50 81-0177 EA 2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	352.81	
26 01 50 81-0178 EA 2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	279.84	
26 01 50 81-0179 EA 3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	365.95	
26 01 50 81-0180 EA 3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	298.76	
26 01 50 81-0181 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) ^(26 01 50 81-0128) Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 81-0182 EA 3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	640.03	
26 01 50 81-0183 EA 4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	709.71	
26 01 50 81-0184 Retrofit Existing HID Fixtures ^(26 01 50 81-0001)		
26 01 50 81-0185 EA Tear Drop LED Retrofit Kit (Holophane LTDR2 P35S 40K AS BK TDRD 3 P)	1,446.17	
26 01 50 81-0186 LED Lighting Retrofits For Existing Fluorescent Fixtures ^(26 01 50 81-0001) Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 81-0187 LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia) ^(26 01 50 81-0186)		
26 01 50 81-0188 EA 2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT)	121.03	
For >25 To 50, Deduct	-6.05	
For >50 To 100, Deduct	-10.74	
For >100, Deduct	-18.77	
26 01 50 81-0189 EA 2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT)	167.64	
For >25 To 50, Deduct	-8.38	
For >50 To 100, Deduct	-14.24	
For >100, Deduct	-23.43	
26 01 50 81-0190 EA 3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	131.05	
For >25 To 50, Deduct	-6.55	
For >50 To 100, Deduct	-11.59	
For >100, Deduct	-20.14	
26 01 50 81-0191 EA 3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT)	121.96	
For >25 To 50, Deduct	-6.10	
For >50 To 100, Deduct	-10.91	
For >100, Deduct	-19.23	
26 01 50 81-0192 EA 4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	154.84	
For >25 To 50, Deduct	-7.74	
For >50 To 100, Deduct	-13.46	
For >100, Deduct	-22.89	
26 01 50 81-0193 EA 4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	195.24	
For >25 To 50, Deduct	-9.76	
For >50 To 100, Deduct	-16.49	
For >100, Deduct	-26.93	
26 01 50 81-0194 EA 4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	131.27	
For >25 To 50, Deduct	-6.56	
For >50 To 100, Deduct	-11.70	
For >100, Deduct	-20.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0195 EA 4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	131.27	
<i>For >25 To 50, Deduct</i>	-6.56	
<i>For >50 To 100, Deduct</i>	-11.70	
<i>For >100, Deduct</i>	-20.53	
26 01 50 81-0196 EA 4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT).....	162.92	
<i>For >25 To 50, Deduct</i>	-8.15	
<i>For >50 To 100, Deduct</i>	-14.07	
<i>For >100, Deduct</i>	-23.70	
26 01 50 81-0197 EA 4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	141.37	
<i>For >25 To 50, Deduct</i>	-7.07	
<i>For >50 To 100, Deduct</i>	-12.45	
<i>For >100, Deduct</i>	-21.54	
26 01 50 81-0198 EA 4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	141.37	
<i>For >25 To 50, Deduct</i>	-7.07	
<i>For >50 To 100, Deduct</i>	-12.45	
<i>For >100, Deduct</i>	-21.54	
26 01 50 81-0199 LED Retrofit For Existing Fluorescent Fixtures (Lithonia) <small>(26 01 50 81-0186)</small>		
26 01 50 81-0200 EA 1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	264.96	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	161.11	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	104.73	
<i>For >25 To 50, Deduct</i>	-13.25	
<i>For >50 To 100, Deduct</i>	-21.72	
<i>For >100, Deduct</i>	-33.90	
26 01 50 81-0201 EA 1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2).....	284.06	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	161.11	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	104.73	
<i>For >25 To 50, Deduct</i>	-14.20	
<i>For >50 To 100, Deduct</i>	-23.16	
<i>For >100, Deduct</i>	-35.81	
26 01 50 81-0202 EA 2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	298.35	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	161.11	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	104.73	
<i>For >25 To 50, Deduct</i>	-14.92	
<i>For >50 To 100, Deduct</i>	-24.23	
<i>For >100, Deduct</i>	-37.24	
26 01 50 81-0203 EA 2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	320.66	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	161.11	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	104.73	
<i>For >25 To 50, Deduct</i>	-16.03	
<i>For >50 To 100, Deduct</i>	-25.90	
<i>For >100, Deduct</i>	-39.47	
26 01 50 81-0204 EA 2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	346.47	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	161.11	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	104.73	
<i>For >25 To 50, Deduct</i>	-17.32	
<i>For >50 To 100, Deduct</i>	-28.21	
<i>For >100, Deduct</i>	-43.53	
26 01 50 81-0205 EA 2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	372.38	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	161.11	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	104.73	
<i>For >25 To 50, Deduct</i>	-18.62	
<i>For >50 To 100, Deduct</i>	-30.15	
<i>For >100, Deduct</i>	-46.12	
26 01 50 81-0206 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) <small>(26 01 50 81-0186)</small>		
Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 81-0207 EA 2' Dimmable, 20 Watts, 2900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40).....	116.11	
Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
<i>For >25 To 50, Deduct</i>	-5.81	
<i>For >50 To 100, Deduct</i>	-10.37	
<i>For >100, Deduct</i>	-18.28	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0208	EA		2' Dimmable, 20 Watts, 2900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50).....	116.11	
			Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-5.81	
			For >50 To 100, Deduct	-10.37	
			For >100, Deduct	-18.28	
26 01 50 81-0209	EA		4' Dimmable, 32 Watts, 5000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40).....	150.01	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.50	
			For >50 To 100, Deduct	-13.10	
			For >100, Deduct	-22.41	
26 01 50 81-0210	EA		4' Dimmable, 32 Watts, 5000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50).....	150.01	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.50	
			For >50 To 100, Deduct	-13.10	
			For >100, Deduct	-22.41	
26 01 50 81-0211	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30).....	150.12	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.51	
			For >50 To 100, Deduct	-13.11	
			For >100, Deduct	-22.42	
26 01 50 81-0212	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F).....	162.30	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.12	
			For >50 To 100, Deduct	-14.02	
			For >100, Deduct	-23.64	
26 01 50 81-0213	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35).....	150.12	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.51	
			For >50 To 100, Deduct	-13.11	
			For >100, Deduct	-22.42	
26 01 50 81-0214	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F).....	162.30	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.12	
			For >50 To 100, Deduct	-14.02	
			For >100, Deduct	-23.64	
26 01 50 81-0215	EA		4' Dimmable, 35 Watts, 5500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40).....	150.12	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.51	
			For >50 To 100, Deduct	-13.11	
			For >100, Deduct	-22.42	
26 01 50 81-0216	EA		4' Dimmable, 35 Watts, 5500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F).....	162.30	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.12	
			For >50 To 100, Deduct	-14.02	
			For >100, Deduct	-23.64	
26 01 50 81-0217	EA		4' Dimmable, 35 Watts, 5500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50).....	150.12	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.51	
			For >50 To 100, Deduct	-13.11	
			For >100, Deduct	-22.42	
26 01 50 81-0218	EA		4' Dimmable, 35 Watts, 5500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F).....	162.30	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.12	
			For >50 To 100, Deduct	-14.02	
			For >100, Deduct	-23.64	
26 01 50 81-0219	EA		4' Dimmable, 46 Watts, 6800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50).....	162.20	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-8.11	
			For >50 To 100, Deduct	-14.02	
			For >100, Deduct	-23.63	
26 01 50 81-0220	EA		4' Dimmable, 31 Watts, 5730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRPD031DD40).....	188.27	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-9.41	
			For >50 To 100, Deduct	-15.97	
			For >100, Deduct	-26.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0221 EA 4' Dimmable, 31 Watts, 5730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F).....	203.50	
Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-10.18	
For >50 To 100, Deduct	-17.11	
For >100, Deduct	-27.76	
26 01 50 81-0222 EA 4' Dimmable, 31 Watts, 5730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50).....	188.27	
Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-9.41	
For >50 To 100, Deduct	-15.97	
For >100, Deduct	-26.23	
26 01 50 81-0223 EA 4' Dimmable, 31 Watts, 5730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F).....	203.50	
Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-10.18	
For >50 To 100, Deduct	-17.11	
For >100, Deduct	-27.76	
26 01 50 81-0224 EA 20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800).....	189.94	
Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
For >25 To 50, Deduct	-9.50	
For >50 To 100, Deduct	-14.62	
For >100, Deduct	-20.48	
26 01 50 81-0225 EA 20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W).....	174.53	
Note: 90-minute emergency battery with power output of 20 Watts		
For >25 To 50, Deduct	-8.73	
For >50 To 100, Deduct	-13.46	
For >100, Deduct	-18.93	
26 01 50 81-0226 EA 8' Dimmable, 46 Watts, 7400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50).....	195.07	
Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-9.75	
For >50 To 100, Deduct	-17.04	
For >100, Deduct	-29.13	
26 01 50 81-0227 EA 8' Dimmable, 49 Watts, 6680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F).....	202.68	
Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-10.13	
For >50 To 100, Deduct	-17.61	
For >100, Deduct	-29.89	
26 01 50 81-0228 EA 8' Dimmable, 64 Watts, 11850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40).....	277.49	
Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-13.87	
For >50 To 100, Deduct	-23.22	
For >100, Deduct	-37.38	
26 01 50 81-0229 EA 8' Dimmable, 64 Watts, 11850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F).....	307.94	
Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-15.40	
For >50 To 100, Deduct	-25.50	
For >100, Deduct	-40.42	
26 01 50 81-0230 EA 8' Dimmable, 64 Watts, 11850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50).....	277.49	
Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-13.87	
For >50 To 100, Deduct	-23.22	
For >100, Deduct	-37.38	
26 01 50 81-0231 EA 8' Dimmable, 64 Watts, 11850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F).....	307.94	
Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-15.40	
For >50 To 100, Deduct	-25.50	
For >100, Deduct	-40.42	

26 05 Common Work Results for Electrical ⁽²⁶⁾

26 05 13 Medium-Voltage Cables ^(26 05)

26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables ^(26 05 13)

26 05 13 16-0001 Wire And Cable ^(26 05 13 16)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable ^(26 05 13 16-0001)

26 Electrical**26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0003			Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct <small>(26 05 13 16-0002)</small>		
26 05 13 16-0004	MLF		#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,229.56	1,145.02
26 05 13 16-0005	MLF		#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,973.82	1,250.25
26 05 13 16-0006	MLF		#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,911.42	1,412.59
26 05 13 16-0007	MLF		1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,642.19	1,740.37
26 05 13 16-0008	MLF		2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,697.31	1,959.81
26 05 13 16-0009	MLF		3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,603.46	2,175.34
26 05 13 16-0010	MLF		4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,933.91	2,444.21
26 05 13 16-0011	MLF		250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	14,110.09	2,719.29
26 05 13 16-0012	MLF		350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	16,472.24	3,246.77
26 05 13 16-0013	MLF		500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	20,681.35	3,816.51
26 05 13 16-0014	MLF		750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	30,445.73	4,498.17
26 05 13 16-0015	MLF		1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	40,217.31	5,179.50
26 05 13 16-0016			Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial <small>(26 05 13 16-0002)</small>		
			Note: Excludes excavation.		
26 05 13 16-0017	MLF		#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,086.44	
26 05 13 16-0018	MLF		#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,567.43	
26 05 13 16-0019	MLF		#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,099.19	
26 05 13 16-0020	MLF		1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,279.58	
26 05 13 16-0021	MLF		2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,785.96	
26 05 13 16-0022	MLF		3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,421.55	
26 05 13 16-0023	MLF		4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,079.83	
26 05 13 16-0024	MLF		250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,843.47	
26 05 13 16-0025	MLF		350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,029.76	
26 05 13 16-0026	MLF		500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	14,943.27	
26 05 13 16-0027			Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) <small>(26 05 13 16-0002)</small>		
26 05 13 16-0028	MLF		#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,267.14	720.83
26 05 13 16-0029	MLF		#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,885.73	772.88
26 05 13 16-0030	MLF		#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,956.14	977.38
26 05 13 16-0031	MLF		1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,418.89	1,186.50
26 05 13 16-0032	MLF		2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,469.17	1,392.85
26 05 13 16-0033	MLF		3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,363.75	1,592.88
26 05 13 16-0034	MLF		4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,694.90	1,848.18
26 05 13 16-0035	MLF		250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,440.84	2,325.14
26 05 13 16-0036	MLF		350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	16,109.98	2,942.02
26 05 13 16-0037	MLF		500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	20,883.45	3,696.37
26 05 13 16-0038			5 KV Non-Shielded Single Copper Conductor <small>(26 05 13 16-0002)</small>		
26 05 13 16-0039	MLF		1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,121.81	2,281.88
26 05 13 16-0040	MLF		2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,399.88	2,314.67
26 05 13 16-0041	MLF		3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,677.96	2,347.47
26 05 13 16-0042	MLF		4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,149.12	2,399.35
26 05 13 16-0043	MLF		350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	14,404.29	2,490.88
26 05 13 16-0044	MLF		500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	20,194.62	2,610.47
26 05 13 16-0045	MLF		750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	30,938.46	3,263.09
26 05 13 16-0046	MLF		1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	35,935.78	4,350.84
26 05 13 16-0047			Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct <small>(26 05 13 16-0002)</small>		
26 05 13 16-0048	MLF		#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,475.66	1,145.02
26 05 13 16-0049	MLF		#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,306.51	1,250.25
26 05 13 16-0050	MLF		#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,339.81	1,412.59
26 05 13 16-0051	MLF		#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,287.01	1,576.40
26 05 13 16-0052	MLF		1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,234.64	1,740.37
26 05 13 16-0053	MLF		2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,380.91	1,959.81
26 05 13 16-0054	MLF		3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,533.15	2,175.34
26 05 13 16-0055	MLF		4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,982.09	2,444.21
26 05 13 16-0056	MLF		250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,426.24	2,719.29
26 05 13 16-0057	MLF		350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	17,976.16	3,246.77
26 05 13 16-0058	MLF		500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	22,686.57	3,816.51
26 05 13 16-0059	MLF		750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	33,902.52	4,498.17
26 05 13 16-0060	MLF		1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	45,125.65	5,179.50
26 05 13 16-0061			Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial <small>(26 05 13 16-0002)</small>		
			Note: Excludes excavation.		
26 05 13 16-0062	MLF		#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,332.53	
26 05 13 16-0063	MLF		#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,900.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0064 MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,527.58	
26 05 13 16-0065 MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,200.42	
26 05 13 16-0066 MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,872.04	
26 05 13 16-0067 MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,469.56	
26 05 13 16-0068 MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,351.24	
26 05 13 16-0069 MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,128.01	
26 05 13 16-0070 MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,159.63	
26 05 13 16-0071 MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,533.68	
26 05 13 16-0072 MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	16,948.50	
26 05 13 16-0073 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) <small>(26 05 13 16-0002)</small>		
26 05 13 16-0074 MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,513.24	720.83
26 05 13 16-0075 MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,218.42	772.88
26 05 13 16-0076 MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,384.53	977.38
26 05 13 16-0077 MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,195.99	1,081.17
26 05 13 16-0078 MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,011.34	1,186.50
26 05 13 16-0079 MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,152.77	1,392.85
26 05 13 16-0080 MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,293.44	1,592.88
26 05 13 16-0081 MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,743.08	1,848.18
26 05 13 16-0082 MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,757.00	2,325.14
26 05 13 16-0083 MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	17,613.90	2,942.02
26 05 13 16-0084 MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	22,888.67	3,696.37
26 05 13 16-0085 15 KV Cable <small>(26 05 13 16-0001)</small>		
26 05 13 16-0086 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 16-0085)</small>		
26 05 13 16-0087 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct <small>(26 05 13 16-0086)</small>		
26 05 13 16-0088 MLF #4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,015.42	2,281.88
26 05 13 16-0089 MLF #2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,688.91	2,281.88
26 05 13 16-0090 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,945.81	2,281.88
26 05 13 16-0091 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,782.68	2,281.88
26 05 13 16-0092 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,577.00	2,281.88
26 05 13 16-0093 MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,160.17	2,381.89
26 05 13 16-0094 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,472.22	2,381.89
26 05 13 16-0095 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	15,447.06	2,490.88
26 05 13 16-0096 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	17,422.80	2,549.29
26 05 13 16-0097 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	21,391.47	2,871.51
26 05 13 16-0098 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial <small>(26 05 13 16-0086)</small>		
<small>Note: Excludes excavation.</small>		
26 05 13 16-0099 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,491.20	
26 05 13 16-0100 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,328.07	
26 05 13 16-0101 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,122.39	
26 05 13 16-0102 MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,737.11	
26 05 13 16-0103 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,049.15	
26 05 13 16-0104 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,159.24	
26 05 13 16-0105 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	15,138.65	
26 05 13 16-0106 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	18,781.01	
26 05 13 16-0107 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) <small>(26 05 13 16-0085)</small>		
26 05 13 16-0108 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,955.31	1,029.74
26 05 13 16-0109 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,205.46	1,186.50
26 05 13 16-0110 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,543.69	1,392.85
26 05 13 16-0111 MLF 3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,404.40	1,592.88
26 05 13 16-0112 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,389.31	1,848.18
26 05 13 16-0113 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,891.28	2,151.53
26 05 13 16-0114 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	17,658.07	2,507.07
26 05 13 16-0115 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	21,889.23	2,912.21
26 05 13 16-0116 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 16-0085)</small>		
26 05 13 16-0117 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct <small>(26 05 13 16-0116)</small>		
26 05 13 16-0118 MLF #4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,611.35	2,281.88
26 05 13 16-0119 MLF #2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,406.07	2,281.88
26 05 13 16-0120 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,709.21	2,281.88

26 Electrical
26 05 Common Work Results for Electrical
26 05 13 Medium-Voltage Cables



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0121 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,696.72	2,281.88
26 05 13 16-0122 MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,634.02	2,281.88
26 05 13 16-0123 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	14,457.18	2,381.89
26 05 13 16-0124 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	14,825.41	2,381.89
26 05 13 16-0125 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	17,106.63	2,490.88
26 05 13 16-0126 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	19,411.72	2,549.29
26 05 13 16-0127 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	23,949.75	2,871.51
26 05 13 16-0128 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0116)		
Note: Excludes excavation.		
26 05 13 16-0129 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,254.60	
26 05 13 16-0130 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,242.11	
26 05 13 16-0131 MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,179.40	
26 05 13 16-0132 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,034.12	
26 05 13 16-0133 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,402.34	
26 05 13 16-0134 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,813.98	
26 05 13 16-0135 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	17,117.35	
26 05 13 16-0136 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	21,339.29	
26 05 13 16-0137 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0116)		
26 05 13 16-0138 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,718.71	1,029.74
26 05 13 16-0139 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,119.50	1,186.50
26 05 13 16-0140 MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,600.70	1,392.85
26 05 13 16-0141 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,701.41	1,592.88
26 05 13 16-0142 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,742.49	1,848.18
26 05 13 16-0143 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,550.84	2,151.53
26 05 13 16-0144 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	19,646.99	2,507.07
26 05 13 16-0145 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	24,447.51	2,912.21
26 05 13 16-0146 15 KV Non-Shielded Single Copper Conductor (26 05 13 16-0085)		
26 05 13 16-0147 MLF 1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,616.50	2,289.88
26 05 13 16-0148 MLF 2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,030.36	2,344.61
26 05 13 16-0149 MLF 3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	16,208.37	2,399.35
26 05 13 16-0150 MLF 350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	22,037.46	2,559.24
26 05 13 16-0151 Shielded, Armored Copper, 15 KV, 3 Conductor Cable (26 05 13 16-0085)		
Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152 Galvanized Steel Interlocked Armor Cable (26 05 13 16-0151)		
26 05 13 16-0153 LF 3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	62.06	17.46
26 05 13 16-0154 LF 3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	73.47	18.60
26 05 13 16-0155 Aluminum Interlocked Armor Cable (26 05 13 16-0151)		
26 05 13 16-0156 LF 3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	62.06	17.46
26 05 13 16-0157 LF 3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	73.47	18.60
26 05 13 16-0158 Type URD, 15 KV Primary Concentric UD Cable (26 05 13 16-0085)		
Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0159 MLF #4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	4,468.13	1,145.02
26 05 13 16-0160 MLF #2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	5,296.33	1,250.25
26 05 13 16-0161 MLF #1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	6,326.71	1,412.59
26 05 13 16-0162 MLF 1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	8,204.95	1,735.64
26 05 13 16-0163 MLF 2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	9,345.34	1,953.94
26 05 13 16-0164 MLF 3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	11,504.72	2,175.34
26 05 13 16-0165 MLF 4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	12,927.25	2,435.08
26 05 13 16-0166 15 KV, URD Copper Cable, Direct Burial (26 05 13 16-0085)		
26 05 13 16-0167 MLF 3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	20,436.21	
26 05 13 16-0168 Wire Connections (26 05 13 16-0001)		
26 05 13 16-0169 Medium Voltage Up To 5 KV (26 05 13 16-0168)		
26 05 13 16-0170 Shielded One Conductor Cable Splice (26 05 13 16-0169)		
26 05 13 16-0171 EA #6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	443.70	147.91
26 05 13 16-0172 EA #2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	586.49	147.91
26 05 13 16-0173 EA 1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	586.49	147.91
26 05 13 16-0174 EA 2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	630.51	177.48
26 05 13 16-0175 EA 3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	630.51	177.48
26 05 13 16-0176 EA 4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	630.51	177.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0177 EA 250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	689.20	207.07
26 05 13 16-0178 EA 350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	689.20	207.07
26 05 13 16-0179 EA 500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	689.20	207.07
26 05 13 16-0180 Cable Termination Without Stress Cone <small>(26 05 13 16-0169)</small>		
26 05 13 16-0181 EA #6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	655.23	177.48
26 05 13 16-0182 EA 250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV.....	756.49	207.07
26 05 13 16-0183 Cable Termination With Stress Cone <small>(26 05 13 16-0169)</small>		
26 05 13 16-0184 EA #6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	1,931.42	354.96
26 05 13 16-0185 EA 250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV.....	2,656.16	488.08
26 05 13 16-0186 Connect To Pothead, Pothead Included <small>(26 05 13 16-0169)</small>		
26 05 13 16-0187 EA #6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	2,017.67	354.96
26 05 13 16-0188 EA 250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	2,578.10	406.74
26 05 13 16-0189 Two Conductor Pothead <small>(26 05 13 16-0169)</small>		
<small>Note: Includes 5 KV pothead.</small>		
26 05 13 16-0190 EA #6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	1,505.55	488.08
26 05 13 16-0191 EA 250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	2,011.82	621.20
26 05 13 16-0192 EA 400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	3,042.94	704.32
26 05 13 16-0193 EA 750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	4,912.06	821.75
26 05 13 16-0194 EA 1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	9,002.44	1,232.47
26 05 13 16-0195 Three Conductor Pothead <small>(26 05 13 16-0169)</small>		
<small>Note: Includes 5 KV pothead.</small>		
26 05 13 16-0196 EA #6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	5,960.34	709.94
26 05 13 16-0197 EA 250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	6,532.26	828.26
26 05 13 16-0198 Copper Cable Splice, Crimp Compression Connection <small>(26 05 13 16-0169)</small>		
<small>Note: For bare wire.</small>		
26 05 13 16-0199 EA #6 AWG Crimp Compression Connection For Bare Copper Wire.....	95.61	
26 05 13 16-0200 EA #4 AWG Crimp Compression Connection For Bare Copper Wire.....	105.63	
26 05 13 16-0201 EA #3 AWG Crimp Compression Connection For Bare Copper Wire.....	123.16	
26 05 13 16-0202 EA #2 AWG Crimp Compression Connection For Bare Copper Wire.....	139.47	
26 05 13 16-0203 EA #1 AWG Crimp Compression Connection For Bare Copper Wire.....	157.49	
26 05 13 16-0204 EA 1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	174.83	
26 05 13 16-0205 EA 2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	191.90	
26 05 13 16-0206 EA 3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	210.12	
26 05 13 16-0207 EA 4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	227.65	
26 05 13 16-0208 EA 250 MCM Crimp Compression Connection For Bare Copper Wire.....	245.69	
26 05 13 16-0209 EA 300 MCM Crimp Compression Connection For Bare Copper Wire.....	264.39	
26 05 13 16-0210 EA 350 MCM Crimp Compression Connection For Bare Copper Wire.....	281.50	
26 05 13 16-0211 EA 400 MCM Crimp Compression Connection For Bare Copper Wire.....	318.50	
26 05 13 16-0212 EA 500 MCM Crimp Compression Connection For Bare Copper Wire.....	357.10	
26 05 13 16-0213 Aluminum Cable Splice, Crimp Compression Connection <small>(26 05 13 16-0169)</small>		
<small>Note: For bare wire.</small>		
26 05 13 16-0214 EA #6 AWG Crimp Compression Connection For Bare Aluminum Wire.....	98.69	
26 05 13 16-0215 EA #4 AWG Crimp Compression Connection For Bare Aluminum Wire.....	107.33	
26 05 13 16-0216 EA #2 AWG Crimp Compression Connection For Bare Aluminum Wire.....	145.08	
26 05 13 16-0217 EA #1 AWG Crimp Compression Connection For Bare Aluminum Wire.....	171.76	
26 05 13 16-0218 EA 1/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	188.30	
26 05 13 16-0219 EA 2/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	204.76	
26 05 13 16-0220 EA 3/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	225.06	
26 05 13 16-0221 EA 4/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	243.45	
26 05 13 16-0222 EA 250 MCM Crimp Compression Connection For Bare Aluminum Wire.....	261.11	
26 05 13 16-0223 EA 300 MCM Crimp Compression Connection For Bare Aluminum Wire.....	279.47	
26 05 13 16-0224 EA 350 MCM Crimp Compression Connection For Bare Aluminum Wire.....	297.33	
26 05 13 16-0225 EA 400 MCM Crimp Compression Connection For Bare Aluminum Wire.....	341.18	
26 05 13 16-0226 EA 500 MCM Crimp Compression Connection For Bare Aluminum Wire.....	385.39	
26 05 13 16-0227 15 KV <small>(26 05 13 16-0166)</small>		
26 05 13 16-0228 Single Conductor Pothead On Racks <small>(26 05 13 16-0227)</small>		
<small>Note: Includes pothead.</small>		
26 05 13 16-0229 EA #2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	1,831.65	621.20
26 05 13 16-0230 EA 250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	2,334.81	769.09
26 05 13 16-0231 Two Conductor Pothead On Rack <small>(26 05 13 16-0227)</small>		
<small>Note: Includes pothead.</small>		
26 05 13 16-0232 EA #2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks.....	2,704.24	946.58

26 Electrical**26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0233 EA 250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks.....	3,249.24	1,124.07
26 05 13 16-0234 Three Conductor Pothead On Rack <small>(26 05 13 16-0227)</small> Note: Includes pothead.		
26 05 13 16-0235 EA #2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks.....	3,455.87	1,227.59
26 05 13 16-0236 EA 250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks.....	4,305.93	1,538.20
26 05 13 16-0237 Stress Relief Cone On Rack <small>(26 05 13 16-0227)</small>		
26 05 13 16-0238 EA #2 To 4/0 AWG Stress Relief Cone, On Rack.....	1,727.45	621.20
26 05 13 16-0239 EA 250 To 500 MCM Stress Relief Cone, On Rack.....	2,217.66	769.09
26 05 13 16-0240 Grounded, Shielded Cable Splice <small>(26 05 13 16-0227)</small>		
26 05 13 16-0241 EA #2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV.....	1,195.36	458.50
26 05 13 16-0242 EA 250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	1,532.14	591.61
26 05 13 16-0243 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way.....	7,191.12	1,626.94
26 05 13 16-0244 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way.....	9,189.66	1,774.84
26 05 13 16-0245 Cable Termination <small>(26 05 13 16-0227)</small>		
26 05 13 16-0246 EA #2 To 3/0 AWG Cable Termination 15 KV.....	786.61	258.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.30	
26 05 13 16-0247 EA 4/0 To 250 MCM Cable Termination 15 KV.....	994.63	332.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	199.67	
26 05 13 16-0248 EA 350 To 500 MCM Cable Termination 15 KV.....	1,232.25	406.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.04	
26 05 13 16-0249 EA #2 To 3/0 AWG Cable Elbow Termination 15 KV.....	498.69	147.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.74	
26 05 13 16-0250 Stress Cones, 5-15 KV, 4 Skirted <small>(26 05 13 16-0227)</small>		
26 05 13 16-0251 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	984.79	192.28
26 05 13 16-0252 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	1,120.71	212.50
26 05 13 16-0253 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	1,328.17	232.56
26 05 13 16-0254 EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	1,703.87	267.95
26 05 13 16-0255 Stress Cones, 5-15 KV, 6 Skirted <small>(26 05 13 16-0227)</small>		
26 05 13 16-0256 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	1,969.60	385.20
26 05 13 16-0257 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	2,241.69	425.01
26 05 13 16-0258 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	2,639.09	456.49
26 05 13 16-0259 EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	3,407.73	535.88
26 05 13 16-0260 35 KV <small>(26 05 13 16-0168)</small>		
26 05 13 16-0261 35 KV One Conductor Splice <small>(26 05 13 16-0260)</small>		
26 05 13 16-0262 EA #1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing.....	2,985.23	
26 05 13 16-0263 Cable Termination <small>(26 05 13 16-0260)</small>		
26 05 13 16-0264 EA #2 To 3/0 AWG Cable Termination, 35 KV.....	679.76	177.63
26 05 13 16-0265 EA 3/0 AWG To 250 MCM, 35 KV, Cable Termination.....	932.99	268.01
26 05 13 16-0266 EA 350 To 500 MCM Cable Termination 35 KV.....	1,078.66	286.64
26 05 13 16-0267 EA #2 To 3/0 AWG Cable Elbow Termination 35 KV.....	540.64	147.91
26 05 13 16-0268 70 KV <small>(26 05 13 16-0168)</small>		
26 05 13 16-0269 Cable Splice <small>(26 05 13 16-0268)</small>		
26 05 13 16-0270 EA 350 MCM, 70 KV, Cable Splicing.....	15,123.22	
26 05 13 16-0271 EA #2 To 4/0, 70 KV, Cable Splicing.....	3,090.64	

26 05 19 Low-Voltage Electrical Power Conductors and Cables (26 05)**26 05 19 13 Undercarpet Electrical Power Cables** (26 05 19)**26 05 19 13-0001 Under Carpet Power System** (26 05 19 13)

Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing

26 05 19 13-0002 LF 3-Conductor, #12 Flat Cable With Attached Bottom Shield.....	6.66	0.67
26 05 19 13-0003 LF Steel, Top Shield.....	13.55	0.67
26 05 19 13-0004 EA 3-Conductor, Splice.....	40.13	11.48
26 05 19 13-0005 EA Splice Top Shield For 3 Conductor.....	12.22	5.40
26 05 19 13-0006 EA 3-Conductor, Tap.....	49.78	13.52
26 05 19 13-0007 EA Insulating Patch, Splice Tap And End.....	74.72	11.48
26 05 19 13-0008 EA 3-Conductor, Transition Block Assembly.....	48.52	6.75
26 05 19 13-0009 EA Single, Direct Connected, Receptacle With Box.....	146.71	21.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 13-0010 EA Dual, Direct Connected, Receptacle With Box.....	243.83	33.78
26 05 19 13-0011 EA Floor Mounted Box With Cover.....	240.95	27.03
26 05 19 13-0012 LF 5-Conductor, #12 Cable With Attached Bottom Shield.....	10.48	0.67
26 05 19 13-0013 LF Steel, Top Shield For 5-Conductor Cable.....	10.40	0.67
26 05 19 13-0014 EA 5-Conductor, Splice.....	40.62	11.48
26 05 19 13-0015 EA 5-Conductor, Transition Block Assembly.....	63.53	6.75
26 05 19 13-0016 EA Box, Wall, Flush With Cover.....	112.69	27.03
26 05 19 13-0017 EA Telephone, Transition Fitting Wall Box.....	75.63	22.30
26 05 19 13-0018 EA RJ-45, Telephone Fitting With Duplex Jack And Cover.....	98.43	25.67
26 05 19 13-0019 EA Miniature Telephone With Duplex RJ-45.....	42.08	10.13
26 05 19 13-0020 LF 4-Pair, Level 5, Under Carpet Telephone Wire.....	2.47	0.67
26 05 19 13-0021 EA BNC, Coax Plug, Connector.....	35.22	13.52
26 05 19 13-0022 EA TNC, Coax Plug, Connector.....	35.22	13.52
26 05 19 13-0023 CLF Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm.....	184.14	67.57
26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables (26 05 19)		
26 05 19 16-0001 Cable Installation Methods (26 05 19 16)		
26 05 19 16-0002 Pull Cord (26 05 19 16-0001)		
Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003 LF Pull String Installed To Remain In Place, In Existing Conduit.....	0.46	
26 05 19 16-0004 LF Pull String Installed To Remain In Place, In New Conduits.....	0.24	
26 05 19 16-0005 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit.....	0.76	
26 05 19 16-0006 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.47	
26 05 19 16-0007 Bore Conduit Into Dirt Or Sand (26 05 19 16-0001)		
Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008 LF Bore 1" To 4" Conduit Into Dirt Or Sand.....	3.12	
26 05 19 16-0009 LF Bore 5" To 8" Conduit Into Dirt Or Sand.....	3.97	
26 05 19 16-0010 EA Boring Minimum Set-Up Charge.....	436.56	
Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		
26 05 19 16-0011 Wire and Cable (26 05 19 16)		
Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0057 for various conduit types.		
26 05 19 16-0012 Multi-Conductor Cords, Cables And Associated Equipment (26 05 19 16-0011)		
26 05 19 16-0013 Multi-Conductor Cords (26 05 19 16-0012)		
Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0014 Multi-Conductor Type SOOW And SJOOW Cord (26 05 19 16-0013)		
Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0015 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0014)		
26 05 19 16-0016 #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0017 LF 2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.46	0.59
26 05 19 16-0018 LF 3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.53	0.59
26 05 19 16-0019 LF 4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.71	0.59
26 05 19 16-0020 #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0021 LF 2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.71	0.59
26 05 19 16-0022 LF 3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.82	0.59
26 05 19 16-0023 LF 4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.98	0.59
26 05 19 16-0024 #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0025 LF 2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.91	0.59
26 05 19 16-0026 LF 3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.09	0.59
26 05 19 16-0027 LF 4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.43	0.59
26 05 19 16-0028 #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0029 LF 2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.21	0.59
26 05 19 16-0030 LF 3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.42	0.59
26 05 19 16-0031 LF 4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.71	0.59
26 05 19 16-0032 #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0033 LF 2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.86	0.74

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0034 LF 3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	3.00	0.74
26 05 19 16-0035 LF 4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	3.22	0.74
26 05 19 16-0036 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0014)		
26 05 19 16-0037 #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0038 LF 2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.53	0.59
26 05 19 16-0039 LF 3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.65	0.59
26 05 19 16-0040 LF 4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.82	0.59
26 05 19 16-0041 LF 5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.15	0.80
26 05 19 16-0042 LF 6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.44	0.82
26 05 19 16-0043 LF 7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.65	0.84
26 05 19 16-0044 LF 8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.01	0.86
26 05 19 16-0045 LF 10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.60	0.91
26 05 19 16-0046 LF 12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.24	0.93
26 05 19 16-0047 LF 14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.91	0.95
26 05 19 16-0048 LF 16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.03	0.97
26 05 19 16-0049 LF 18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.23	1.00
26 05 19 16-0050 LF 20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.04	1.02
26 05 19 16-0051 LF 24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.12	1.04
26 05 19 16-0052 LF 30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.57	1.11
26 05 19 16-0053 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0054 LF 2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.81	0.59
26 05 19 16-0055 LF 3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.92	0.59
26 05 19 16-0056 LF 4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.14	0.59
26 05 19 16-0057 LF 5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.29	0.80
26 05 19 16-0058 LF 6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.63	0.82
26 05 19 16-0059 LF 7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.96	0.84
26 05 19 16-0060 LF 8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.38	0.86
26 05 19 16-0061 LF 9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.56	0.89
26 05 19 16-0062 LF 10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.06	0.91
26 05 19 16-0063 LF 12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.90	0.93
26 05 19 16-0064 LF 14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.34	0.95
26 05 19 16-0065 LF 16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.15	0.97
26 05 19 16-0066 LF 18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.26	1.00
26 05 19 16-0067 LF 20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.26	1.02
26 05 19 16-0068 LF 24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.18	1.04
26 05 19 16-0069 LF 26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.29	1.06
26 05 19 16-0070 LF 30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.32	1.11
26 05 19 16-0071 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0072 LF 2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.12	0.59
26 05 19 16-0073 LF 3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.25	0.59
26 05 19 16-0074 LF 4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.56	0.59
26 05 19 16-0075 LF 5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.26	0.80
26 05 19 16-0076 LF 6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.11	0.82
26 05 19 16-0077 LF 7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.39	0.84
26 05 19 16-0078 LF 8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.06	0.86
26 05 19 16-0079 LF 9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.52	0.89
26 05 19 16-0080 LF 10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.27	0.91
26 05 19 16-0081 LF 12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.00	0.93
26 05 19 16-0082 LF 14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.83	0.95
26 05 19 16-0083 LF 16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.61	0.97
26 05 19 16-0084 LF 20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.91	1.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0085 LF 24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.03	1.04
26 05 19 16-0086 LF 30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.60	1.11
26 05 19 16-0087 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0088 LF 2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.43	0.59
26 05 19 16-0089 LF 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.67	0.59
26 05 19 16-0090 LF 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.90	0.59
26 05 19 16-0091 LF 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.88	0.80
26 05 19 16-0092 LF 6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.66	0.82
26 05 19 16-0093 LF 7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.44	0.84
26 05 19 16-0094 LF 8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.31	0.86
26 05 19 16-0095 LF 9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.92	0.89
26 05 19 16-0096 LF 10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.96	0.91
26 05 19 16-0097 LF 12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.20	0.93
26 05 19 16-0098 LF 14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.35	0.95
26 05 19 16-0099 LF 16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.49	0.97
26 05 19 16-0100 LF 18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	13.05	1.00
26 05 19 16-0101 LF 20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	15.04	1.02
26 05 19 16-0102 LF 24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	17.07	1.04
26 05 19 16-0103 LF 26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	19.12	1.06
26 05 19 16-0104 LF 28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	19.78	1.09
26 05 19 16-0105 LF 30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	20.51	1.11
26 05 19 16-0106 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0107 LF 2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.80	0.74
26 05 19 16-0108 LF 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	3.00	0.74
26 05 19 16-0109 LF 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	3.21	0.74
26 05 19 16-0110 LF 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.23	0.80
26 05 19 16-0111 LF 6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.91	0.82
26 05 19 16-0112 LF 7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.12	0.84
26 05 19 16-0113 LF 10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.45	0.91
26 05 19 16-0114 LF 12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.97	0.93
26 05 19 16-0115 LF 16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	15.26	0.97
26 05 19 16-0116 LF 20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	22.20	1.02
26 05 19 16-0117 #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0118 LF 3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.58	0.89
26 05 19 16-0119 LF 4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.07	1.03
26 05 19 16-0120 LF 5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.26	1.03
26 05 19 16-0121 #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0122 LF 3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.99	1.03
26 05 19 16-0123 LF 4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	9.64	1.18
26 05 19 16-0124 LF 5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	11.58	1.48
26 05 19 16-0125 #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0126 LF 3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	12.75	1.48
26 05 19 16-0127 LF 4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	13.98	1.62
26 05 19 16-0128 LF 5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	16.86	1.77
26 05 19 16-0129 #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0130 LF 3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	19.19	2.96
26 05 19 16-0131 LF 4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	24.41	3.70
26 05 19 16-0132 LF 5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	29.58	4.88

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0133 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0134 #18, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		
26 05 19 16-0135 LF 2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.98	0.59
26 05 19 16-0136 LF 3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.17	0.59
26 05 19 16-0137 LF 4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.57	0.59
26 05 19 16-0138 #16, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		
26 05 19 16-0139 LF 2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.10	0.59
26 05 19 16-0140 LF 3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.41	0.59
26 05 19 16-0141 LF 4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.56	0.59
26 05 19 16-0142 #14, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		
26 05 19 16-0143 LF 2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.88	0.59
26 05 19 16-0144 LF 3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	4.15	0.59
26 05 19 16-0145 LF 4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	5.30	0.74
26 05 19 16-0146 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0147 #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0148 LF 2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.78	0.59
26 05 19 16-0149 LF 3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.32	0.59
26 05 19 16-0150 LF 4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.87	0.59
26 05 19 16-0151 #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0152 LF 2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.97	0.59
26 05 19 16-0153 LF 3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.52	0.59
26 05 19 16-0154 LF 4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.38	0.59
26 05 19 16-0155 LF 5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.73	0.74
26 05 19 16-0156 #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0157 LF 3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.64	0.59
26 05 19 16-0158 LF 4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.34	0.59
26 05 19 16-0159 LF 5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.85	0.74
26 05 19 16-0160 #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0161 LF 3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.31	0.59
26 05 19 16-0162 LF 4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.92	0.59
26 05 19 16-0163 LF 5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	5.49	0.74
26 05 19 16-0164 #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0165 LF 3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.93	0.74
26 05 19 16-0166 LF 4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	5.48	0.74
26 05 19 16-0167 LF 5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	6.04	0.74
26 05 19 16-0168 Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0013)</small> Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0169 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0168)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0170				#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0171	LF			3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.13	0.59
26 05 19 16-0172	LF			4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.34	0.59
26 05 19 16-0173	LF			5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.52	0.74
26 05 19 16-0174				#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0175	LF			3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.77	0.59
26 05 19 16-0176	LF			4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.18	0.59
26 05 19 16-0177	LF			5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.53	0.74
26 05 19 16-0178				#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0179	LF			3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.43	0.59
26 05 19 16-0180	LF			4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.96	0.59
26 05 19 16-0181	LF			5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.97	0.74
26 05 19 16-0182				#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0183	LF			3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.34	0.74
26 05 19 16-0184	LF			4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.97	0.74
26 05 19 16-0185	LF			5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	5.33	0.74
26 05 19 16-0186				Multi-Conductor Type W Cord <small>(26 05 19 16-0013)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0187				2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0186)</small>		
26 05 19 16-0188				#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0189	LF			3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.11	0.89
26 05 19 16-0190	LF			4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.57	1.03
26 05 19 16-0191	LF			5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.76	1.03
26 05 19 16-0192				#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0193	LF			3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.57	1.03
26 05 19 16-0194	LF			4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.83	1.18
26 05 19 16-0195	LF			5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	9.73	1.48
26 05 19 16-0196				#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0197	LF			3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.90	1.03
26 05 19 16-0198	LF			4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	10.51	1.18
26 05 19 16-0199	LF			5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	13.50	1.48
26 05 19 16-0200				Cord Grips, Cable Reels, Extension Cords, And Accessories <small>(26 05 19 16-0012)</small>		
26 05 19 16-0201				Cord Grips <small>(26 05 19 16-0200)</small>		
26 05 19 16-0202	EA			Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	93.17	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.89	
26 05 19 16-0203	EA			Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	93.56	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.89	
26 05 19 16-0204				Cable Reels <small>(26 05 19 16-0200)</small> Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0205	EA			30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	733.05	73.95
26 05 19 16-0206	EA			50', 10-4, SEOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,990.28	73.95
26 05 19 16-0207	EA			50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,493.31	73.95
26 05 19 16-0208				Extension Cords For Cable Reel <small>(26 05 19 16-0200)</small>		
26 05 19 16-0209	EA			100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord.....	207.22	
26 05 19 16-0210	EA			100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord.....	291.38	
26 05 19 16-0211				Plugs And Connector Bodies <small>(26 05 19 16-0200)</small> Note: Up to 277 volt		
26 05 19 16-0212				NEMA Twist-Lock Plugs <small>(26 05 19 16-0211)</small>		
26 05 19 16-0213	EA			15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	95.33	
26 05 19 16-0214	EA			15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	96.97	
26 05 19 16-0215	EA			20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	90.05	
26 05 19 16-0216	EA			20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	95.12	
26 05 19 16-0217	EA			20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	118.89	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0218 EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	125.33	
26 05 19 16-0219 EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	131.64	
26 05 19 16-0220 EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	119.85	
26 05 19 16-0221 EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	135.33	
26 05 19 16-0222 EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	138.35	
26 05 19 16-0223 EA 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	142.19	
26 05 19 16-0224 NEMA Twist-Lock Connector Bodies (26 05 19 16-0211)		
26 05 19 16-0225 EA 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	99.98	
26 05 19 16-0226 EA 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	105.81	
26 05 19 16-0227 EA 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	93.54	
26 05 19 16-0228 EA 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	119.85	
26 05 19 16-0229 EA 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	136.84	
26 05 19 16-0230 EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	145.06	
26 05 19 16-0231 EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	172.74	
26 05 19 16-0232 EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	165.75	
26 05 19 16-0233 EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	200.42	
26 05 19 16-0234 EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	209.60	
26 05 19 16-0235 EA 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	199.60	
26 05 19 16-0236 Watertight Pin And Sleeve Plug (26 05 19 16-0211)		
26 05 19 16-0237 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	288.34	44.37
26 05 19 16-0238 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	291.24	44.37
26 05 19 16-0239 EA 20 Amperes, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	313.72	44.37
26 05 19 16-0240 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	315.82	48.81
26 05 19 16-0241 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	311.46	48.81
26 05 19 16-0242 EA 20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	312.76	48.81
26 05 19 16-0243 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	435.08	54.58
26 05 19 16-0244 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	424.22	54.58
26 05 19 16-0245 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	470.87	54.58
26 05 19 16-0246 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	464.90	59.90
26 05 19 16-0247 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....	446.05	59.90
26 05 19 16-0248 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....	459.02	59.90
26 05 19 16-0249 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....	590.02	70.99
26 05 19 16-0250 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....	600.35	70.99
26 05 19 16-0251 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....	575.83	70.99
26 05 19 16-0252 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....	655.10	78.98
26 05 19 16-0253 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....	639.01	78.98
26 05 19 16-0254 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....	645.97	78.98
26 05 19 16-0255 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....	806.53	88.74
26 05 19 16-0256 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....	846.47	88.74
26 05 19 16-0257 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....	829.31	97.62
26 05 19 16-0258 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....	815.67	97.62
26 05 19 16-0259 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....	823.04	97.62
26 05 19 16-0260 Watertight Pin And Sleeve Connector (26 05 19 16-0211)		
26 05 19 16-0261 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W).....	304.99	44.37
26 05 19 16-0262 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W).....	307.00	44.37
26 05 19 16-0263 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W).....	358.77	44.37
26 05 19 16-0264 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W).....	357.77	48.81
26 05 19 16-0265 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W).....	352.52	48.81
26 05 19 16-0266 EA 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W).....	357.27	48.81
26 05 19 16-0267 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W).....	445.03	54.58
26 05 19 16-0268 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W).....	444.92	54.58
26 05 19 16-0269 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W).....	462.77	54.58
26 05 19 16-0270 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W).....	460.06	59.90
26 05 19 16-0271 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W).....	463.74	59.90
26 05 19 16-0272 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W).....	459.86	59.90
26 05 19 16-0273 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W).....	692.05	70.99
26 05 19 16-0274 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W).....	670.18	70.99
26 05 19 16-0275 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W).....	657.15	70.99
26 05 19 16-0276 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W).....	715.83	78.98
26 05 19 16-0277 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W).....	734.84	78.98
26 05 19 16-0278 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W).....	736.23	78.98
26 05 19 16-0279 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W).....	918.45	88.74
26 05 19 16-0280 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W).....	943.53	88.74
26 05 19 16-0281 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W).....	1,020.19	97.62
26 05 19 16-0282 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W).....	985.74	97.62
26 05 19 16-0283 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W).....	997.49	97.62
26 05 19 16-0284 Accessories (26 05 19 16-0200)		
26 05 19 16-0285 EA 1/2" Straight Steel Cord Connector.....	66.40	14.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.87	
26 05 19 16-0286 EA 1/2" Straight Nylon Cord Connector.....	40.60	11.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.66	
26 05 19 16-0287 EA 1/2" 90 Degree Steel Cord Connector.....	76.55	18.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0288 EA 1/2" 90 Degree Nylon Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.37 8.87	14.79
26 05 19 16-0289 EA 1/2" Straight Steel Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.64 11.09	18.48
26 05 19 16-0290 EA 1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.47 13.31	22.19
26 05 19 16-0291 EA 1/2" Straight Nylon Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.66 8.87	14.79
26 05 19 16-0292 EA 1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.91 11.09	18.48
26 05 19 16-0293 EA 3/4" Straight Steel Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.98 8.87	14.79
26 05 19 16-0294 EA 3/4" Straight Nylon Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.90 6.66	11.09
26 05 19 16-0295 EA 3/4" 90 Degree Steel Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.65 11.09	18.48
26 05 19 16-0296 EA 3/4" 90 Degree Nylon Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.41 8.87	14.79
26 05 19 16-0297 EA 3/4" Straight Steel Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.76 13.31	22.19
26 05 19 16-0298 EA 3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.82 15.53	25.89
26 05 19 16-0299 EA 3/4" Straight Nylon Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.78 11.09	18.48
26 05 19 16-0300 EA 3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.94 13.31	22.19
26 05 19 16-0301 EA 1" Straight Steel Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.61 8.87	14.79
26 05 19 16-0302 EA 1" Straight Nylon Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.21 6.66	11.09
26 05 19 16-0303 EA 1" 90 Degree Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.63 11.09	18.48
26 05 19 16-0304 EA 1" 90 Degree Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.91 8.87	14.79
26 05 19 16-0305 EA 1" Straight Steel Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.21 13.31	22.19
26 05 19 16-0306 EA 1" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.35 15.53	25.89
26 05 19 16-0307 EA 1" Straight Nylon Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.64 11.09	18.48
26 05 19 16-0308 EA 1" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.44 13.31	22.19
26 05 19 16-0309 600 Volt Wire (26 05 19 16-0011)		
26 05 19 16-0310 Single Solid Conductor, Copper (26 05 19 16-0309)		
26 05 19 16-0311 MLF #14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	812.53	327.98
26 05 19 16-0312 MLF #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,016.33	385.82
26 05 19 16-0313 MLF #10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,256.27	471.78
26 05 19 16-0314 MLF #14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,037.30	327.98
26 05 19 16-0315 MLF #12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,252.45	385.82
26 05 19 16-0316 MLF #10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,500.50	471.78
26 05 19 16-0317 Power Cable, Stranded Conductor, Copper (26 05 19 16-0309)		
26 05 19 16-0318 Power Cable, Stranded, Single Conductor, XHHW-2 (26 05 19 16-0317)		
26 05 19 16-0319 MLF #16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	838.12	270.28
26 05 19 16-0320 MLF #14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	990.42	324.33
26 05 19 16-0321 MLF #12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,215.21	378.40
26 05 19 16-0322 MLF #10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,488.93	432.45
26 05 19 16-0323 MLF #8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,977.76	540.56
26 05 19 16-0324 MLF #6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	2,657.28	648.68
26 05 19 16-0325 MLF #4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,624.07	810.85
26 05 19 16-0326 MLF #3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	4,280.66	918.96
26 05 19 16-0327 MLF #2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	5,057.72	1,027.07
26 05 19 16-0328 MLF #1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	6,245.29	1,135.18
26 05 19 16-0329 MLF 1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	7,481.45	1,297.35
26 05 19 16-0330 MLF 2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	8,945.24	1,459.52
26 05 19 16-0331 MLF 3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	10,684.80	1,621.69
26 05 19 16-0332 MLF 4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	12,775.65	1,783.86
26 05 19 16-0333 MLF 250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	13,549.05	1,946.03
26 05 19 16-0334 MLF 300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	16,030.24	2,108.20
26 05 19 16-0335 MLF 350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	17,104.42	2,270.36
26 05 19 16-0336 MLF 400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	19,113.38	2,432.53
26 05 19 16-0337 MLF 500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	22,092.81	2,594.71
26 05 19 16-0338 MLF 600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	25,411.58	2,810.93
26 05 19 16-0339 MLF 750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	38,425.14	3,135.26
26 05 19 16-0340 MLF 1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	54,066.05	3,675.83
26 05 19 16-0341 Power Cable, Stranded, Multi Conductor, XHHW-2 (26 05 19 16-0317)		

26 Electrical
26 05 Common Work Results for Electrical
26 05 19 Low-Voltage Electrical Power Conductors and Cables



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0342	MLF	2	Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	1,980.83	648.54
26 05 19 16-0343	MLF	3	Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,430.68	756.93
26 05 19 16-0344	MLF	4	Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,015.81	918.96
26 05 19 16-0345	MLF	6	Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,576.44	999.64
26 05 19 16-0346	MLF	7	Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,891.94	1,053.96
26 05 19 16-0347	MLF	9	Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,520.89	1,161.94
26 05 19 16-0348	MLF	10	Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,207.25	1,211.13
26 05 19 16-0349	MLF	12	Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,465.83	1,324.38
26 05 19 16-0350	MLF	14	Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,028.21	1,405.74
26 05 19 16-0351	MLF	24	Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,769.66	1,783.99
26 05 19 16-0352	MLF	37	Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	13,266.05	2,648.76
26 05 19 16-0353	MLF	2	Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,430.74	756.93
26 05 19 16-0354	MLF	3	Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,105.20	918.96
26 05 19 16-0355	MLF	4	Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,779.70	1,081.13
26 05 19 16-0356	MLF	2	Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,247.10	972.60
26 05 19 16-0357	MLF	3	Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,193.96	1,188.16
26 05 19 16-0358	MLF	4	Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,415.81	1,513.85
26 05 19 16-0359	MLF	6	Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,313.57	1,946.70
26 05 19 16-0360	MLF	9	Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,886.98	2,486.72
26 05 19 16-0361	MLF	2	Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,023.10	1,108.16
26 05 19 16-0362	MLF	3	Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,122.44	1,297.35
26 05 19 16-0363	MLF	4	Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,627.21	1,648.72
26 05 19 16-0364	MLF	2	Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,179.56	1,243.30
26 05 19 16-0365	MLF	3	Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,958.29	1,540.61
26 05 19 16-0366	MLF	4	Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,892.57	1,900.08
26 05 19 16-0367	MLF	2	Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,964.92	1,508.44
26 05 19 16-0368	MLF	3	Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,104.28	1,725.34
26 05 19 16-0369	MLF	4	Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	11,770.37	2,153.06
26 05 19 16-0370	MLF	2	Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,573.49	1,837.37
26 05 19 16-0371	MLF	3	Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	12,606.80	2,054.69
26 05 19 16-0372	MLF	4	Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	16,717.20	2,702.81
26 05 19 16-0373	MLF	3	Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	16,707.65	2,594.30
26 05 19 16-0374	MLF	4	Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	21,734.31	3,242.03
26 05 19 16-0375	MLF	3	Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	19,742.75	2,811.47
26 05 19 16-0376	MLF	3	Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	23,994.34	3,242.03
26 05 19 16-0377	MLF	3	Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	29,347.50	3,782.32
26 05 19 16-0378	MLF	4	Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	38,679.72	4,863.04
26 05 19 16-0379	MLF	3	Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	35,768.55	4,328.16
26 05 19 16-0380	MLF	3	Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	38,209.36	4,863.04
26 05 19 16-0381	MLF	3	Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	47,799.57	5,405.64
26 05 19 16-0382	MLF	3	Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	61,670.80	5,941.06

26 05 19 16-0383 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0309)
 Note: Direct bury.

26 05 19 16-0384	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,328.81
26 05 19 16-0385	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,566.87
26 05 19 16-0386	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,002.00
26 05 19 16-0387	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,659.68
26 05 19 16-0388	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,819.91
26 05 19 16-0389	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,071.10
26 05 19 16-0390	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,459.61
26 05 19 16-0391	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,404.82
26 05 19 16-0392	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,619.51
26 05 19 16-0393	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,177.77
26 05 19 16-0394	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	17,211.49
26 05 19 16-0395	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	19,485.10
26 05 19 16-0396	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	21,088.24
26 05 19 16-0397	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	25,440.61
26 05 19 16-0398	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	28,519.46
26 05 19 16-0399	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	32,144.72
26 05 19 16-0400	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	38,322.06
26 05 19 16-0401	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	45,434.52
26 05 19 16-0402	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	73,450.29
26 05 19 16-0403	MLF	#14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	983.14
26 05 19 16-0404	MLF	#12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,176.60
26 05 19 16-0405	MLF	#10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,404.66
26 05 19 16-0406	MLF	#8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,724.98
26 05 19 16-0407	MLF	#6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,209.32
26 05 19 16-0408	MLF	#4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,927.58
26 05 19 16-0409	MLF	#2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,960.07
26 05 19 16-0410	MLF	#1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,669.49
26 05 19 16-0411	MLF	1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,288.14
26 05 19 16-0412	MLF	2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,959.50
26 05 19 16-0413	MLF	3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,910.48
26 05 19 16-0414	MLF	4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,053.42
26 05 19 16-0415	MLF	250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,119.41
26 05 19 16-0416	MLF	300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,242.05
26 05 19 16-0417	MLF	350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,457.77
26 05 19 16-0418	MLF	400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,714.01
26 05 19 16-0419	MLF	500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,760.34



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0420	MLF		750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	24,443.78	
26 05 19 16-0421	MLF		#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	824.55	
26 05 19 16-0422	MLF		#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,023.80	
26 05 19 16-0423	MLF		#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,265.88	
26 05 19 16-0424	MLF		#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,773.11	
26 05 19 16-0425	MLF		#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,407.22	
26 05 19 16-0426	MLF		#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,175.74	
26 05 19 16-0427	MLF		#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,530.36	
26 05 19 16-0428	MLF		#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,391.57	
26 05 19 16-0429	MLF		1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,271.89	
26 05 19 16-0430	MLF		2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,114.50	
26 05 19 16-0431	MLF		3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,431.27	
26 05 19 16-0432	MLF		4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,038.73	
26 05 19 16-0433	MLF		250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,776.82	
26 05 19 16-0434	MLF		300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,587.27	
26 05 19 16-0435	MLF		350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,532.39	
26 05 19 16-0436	MLF		400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	17,409.57	
26 05 19 16-0437	MLF		500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	20,654.18	
26 05 19 16-0438	MLF		600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	24,814.52	
26 05 19 16-0439	MLF		750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	39,121.16	
26 05 19 16-0440	MLF		#2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,675.74	
26 05 19 16-0441	MLF		1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,556.73	
26 05 19 16-0442	MLF		2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,613.60	
26 05 19 16-0443	MLF		3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,049.74	
26 05 19 16-0444	MLF		4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,389.05	
26 05 19 16-0445	MLF		250 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,432.63	
26 05 19 16-0446	MLF		350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	20,613.46	
26 05 19 16-0447	MLF		400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	22,404.05	
26 05 19 16-0448	MLF		500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	25,523.73	
26 05 19 16-0449	600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0309)				
26 05 19 16-0450	ACTHH, Solid (26 05 19 16-0449)				
26 05 19 16-0451	MLF	1	Conductor, #8 AWG, Type ACT, Solid, Armored Cable	3,146.76	887.42
26 05 19 16-0452	MLF	1	Conductor, #6 AWG, Type ACT, Solid, Armored Cable	3,628.21	1,005.74
26 05 19 16-0453	MLF	1	Conductor, #4 AWG, Type ACT, Solid, Armored Cable	4,146.50	1,064.90
26 05 19 16-0454	MLF	2	Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	4,549.92	1,479.03
26 05 19 16-0455	MLF	2	Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	4,879.14	1,656.22
26 05 19 16-0456	MLF	2	Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	6,161.66	1,835.03
26 05 19 16-0457	MLF	2	Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	8,030.50	2,012.23
26 05 19 16-0458	MLF	3	Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	5,493.90	1,656.22
26 05 19 16-0459	MLF	3	Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	5,761.52	1,835.03
26 05 19 16-0460	MLF	3	Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	7,351.05	2,071.53
26 05 19 16-0461	MLF	3	Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	9,522.59	2,247.83
26 05 19 16-0462	MLF	4	Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	6,542.69	1,835.03
26 05 19 16-0463	MLF	4	Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	7,173.01	2,071.53
26 05 19 16-0464	MLF	4	Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	9,107.75	2,307.44
26 05 19 16-0465	MLF	4	Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	11,784.24	2,485.80
26 05 19 16-0466	ACTHH, Stranded (26 05 19 16-0449)				
26 05 19 16-0467	MLF	2	Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	8,327.70	2,131.14
26 05 19 16-0468	MLF	2	Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	10,147.58	2,424.57
26 05 19 16-0469	MLF	3	Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	9,819.30	2,366.45
26 05 19 16-0470	MLF	3	Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	12,302.06	2,660.19
26 05 19 16-0471	MLF	3	Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	15,551.66	2,958.06
26 05 19 16-0472	MLF	3	Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	17,873.74	3,250.62
26 05 19 16-0473	MLF	3	Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	20,474.47	3,546.86
26 05 19 16-0474	MLF	4	Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	12,666.90	2,838.85
26 05 19 16-0475	MLF	4	Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	15,324.38	3,133.48
26 05 19 16-0476	MLF	4	Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	19,691.43	3,431.65
26 05 19 16-0477	MLF	4	Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	21,578.81	3,725.53
26 05 19 16-0478	MLF	4	Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	25,588.10	4,019.12
26 05 19 16-0479	HCFC, Solid (26 05 19 16-0449)				
26 05 19 16-0480	MLF	2	Conductors, #14 AWG, Type HCF, Solid, Armored Cable	5,085.30	1,479.03

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0481 MLF 2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	5,569.59	1,661.84
26 05 19 16-0482 MLF 2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	6,224.19	1,826.01
26 05 19 16-0483 MLF 3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	6,159.58	1,661.84
26 05 19 16-0484 MLF 3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	6,610.26	1,826.01
26 05 19 16-0485 MLF 3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	8,633.79	2,083.21
26 05 19 16-0486 MLF 4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	7,559.95	1,826.01
26 05 19 16-0487 MLF 4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	8,263.42	2,083.21
26 05 19 16-0488 MLF 4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	11,276.09	2,310.99
26 05 19 16-0489 MC, Solid Or Stranded, Galvanized Steel Armor <small>(26 05 19 16-0449)</small>		
26 05 19 16-0490 MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,417.09	1,479.03
26 05 19 16-0491 MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,937.15	1,661.84
26 05 19 16-0492 MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,873.46	1,826.01
26 05 19 16-0493 MLF 2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,374.30	1,951.28
26 05 19 16-0494 MLF 2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,052.97	2,068.58
26 05 19 16-0495 MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,085.16	1,661.84
26 05 19 16-0496 MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,719.97	1,826.01
26 05 19 16-0497 MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,184.11	2,083.21
26 05 19 16-0498 MLF 3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,172.85	2,247.83
26 05 19 16-0499 MLF 3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	10,654.97	2,424.57
26 05 19 16-0500 MLF 3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	13,044.91	2,603.99
26 05 19 16-0501 MLF 3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	17,754.26	2,870.14
26 05 19 16-0502 MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,860.03	1,826.01
26 05 19 16-0503 MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,710.19	2,083.21
26 05 19 16-0504 MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,845.72	2,310.99
26 05 19 16-0505 MLF 4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	13,148.14	2,545.71
26 05 19 16-0506 MLF 4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	15,934.33	2,723.78
26 05 19 16-0507 MLF 4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	20,785.21	2,900.08
26 05 19 16-0508 MLF 4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	26,619.37	3,074.91
26 05 19 16-0509 MC, Solid Or Stranded, Aluminum Armor <small>(26 05 19 16-0449)</small>		
26 05 19 16-0510 MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,385.24	1,479.03
26 05 19 16-0511 MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,854.56	1,661.84
26 05 19 16-0512 MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,800.42	1,826.01
26 05 19 16-0513 MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,218.18	1,661.84
26 05 19 16-0514 MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,646.59	1,826.01
26 05 19 16-0515 MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	7,126.08	2,083.21
26 05 19 16-0516 MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,492.44	1,826.01
26 05 19 16-0517 MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	7,168.54	2,083.21
26 05 19 16-0518 MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	9,845.72	2,310.99
26 05 19 16-0519 FPLP Solid TFN Red Armored Cable <small>(26 05 19 16-0449)</small>		
Note: Color coded red.		
26 05 19 16-0520 MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,446.54	1,124.07
26 05 19 16-0521 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	5,056.03	1,301.55
26 05 19 16-0522 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	6,232.59	1,479.03
26 05 19 16-0523 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	7,138.37	1,656.51
26 05 19 16-0524 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,066.83	1,301.55
26 05 19 16-0525 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,973.60	1,479.03
26 05 19 16-0526 MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	7,449.36	1,656.51
26 05 19 16-0527 MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	8,461.10	1,834.00
26 05 19 16-0528 FPLP Solid THHN Red Armored Cable <small>(26 05 19 16-0449)</small>		
Note: Color coded red.		
26 05 19 16-0529 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable	5,637.10	1,479.03
26 05 19 16-0530 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable	6,952.96	1,656.51
26 05 19 16-0531 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable	9,154.69	1,834.00
26 05 19 16-0532 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable	10,584.35	2,011.48
26 05 19 16-0533 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable	7,056.95	1,656.51
26 05 19 16-0534 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable	8,584.71	1,834.00
26 05 19 16-0535 FPLP Twisted Shielded Pair Red Armored Cable <small>(26 05 19 16-0449)</small>		
Note: Color coded red.		
26 05 19 16-0536 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,799.71	1,124.07
26 05 19 16-0537 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	7,653.42	1,656.51
26 05 19 16-0538 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	5,882.07	1,301.55
26 05 19 16-0539 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	6,933.06	1,479.03
26 05 19 16-0540 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	9,583.41	1,834.00
26 05 19 16-0541 MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	6,893.59	1,538.20
26 05 19 16-0542 MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	8,483.90	1,774.84
26 05 19 16-0543 Armored Cable Connectors <small>(26 05 19 16-0449)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0544 EA 3/4" Armored Cable Connector	8.84	3.25
For Work In Restricted Working Space, Add	2.43	
For Elevated Installation >10' To 15', Add	0.81	
For Elevated Installation >15' To 20', Add	1.62	
For Elevated Installation >20' To 25', Add	2.03	
For Elevated Installation >25' To 30', Add	2.84	
For Elevated Installation >30' To 35', Add	3.24	
For Elevated Installation >35' To 40', Add	4.06	
For Elevated Installation >40', Add	4.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.43	
26 05 19 16-0545 EA 1" Armored Cable Connector	11.80	4.33
For Work In Restricted Working Space, Add	3.24	
For Elevated Installation >10' To 15', Add	1.08	
For Elevated Installation >15' To 20', Add	2.16	
For Elevated Installation >20' To 25', Add	2.70	
For Elevated Installation >25' To 30', Add	3.78	
For Elevated Installation >30' To 35', Add	4.32	
For Elevated Installation >35' To 40', Add	5.41	
For Elevated Installation >40', Add	5.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.24	
26 05 19 16-0546 EA 1-1/4" Armored Cable Connector	14.82	5.40
For Work In Restricted Working Space, Add	4.06	
For Elevated Installation >10' To 15', Add	1.35	
For Elevated Installation >15' To 20', Add	2.70	
For Elevated Installation >20' To 25', Add	3.38	
For Elevated Installation >25' To 30', Add	4.73	
For Elevated Installation >30' To 35', Add	5.41	
For Elevated Installation >35' To 40', Add	6.76	
For Elevated Installation >40', Add	7.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.06	
26 05 19 16-0547 600 Volt, Feeder Wire, Single Stranded Copper <small>(26 05 19 16-0309)</small>		
26 05 19 16-0548 MLF #14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,102.03	216.63
For EPR Insulation, Add	43.68	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	101.91	
26 05 19 16-0549 MLF #12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,242.82	239.88
For EPR Insulation, Add	44.52	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	103.89	
26 05 19 16-0550 MLF #10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,514.49	299.87
For EPR Insulation, Add	65.00	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	151.68	
26 05 19 16-0551 MLF #8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,063.86	477.04
For EPR Insulation, Add	106.87	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	249.36	
26 05 19 16-0552 MLF #6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,818.88	572.46
For EPR Insulation, Add	179.58	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	419.02	
26 05 19 16-0553 MLF #4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,838.30	664.62
For EPR Insulation, Add	271.68	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	633.92	
26 05 19 16-0554 MLF #3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,378.90	760.70
For EPR Insulation, Add	312.23	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	728.53	
26 05 19 16-0555 MLF #2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,509.30	856.79
For EPR Insulation, Add	441.24	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,029.57	
26 05 19 16-0556 MLF #1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,812.57	954.23
For EPR Insulation, Add	596.19	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,391.11	
26 05 19 16-0557 MLF 1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	8,207.41	1,076.53
For EPR Insulation, Add	744.60	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,737.41	
26 05 19 16-0558 MLF 2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	9,888.69	1,193.83
For EPR Insulation, Add	935.98	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,183.96	
26 05 19 16-0559 MLF 3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,851.73	1,332.76
For EPR Insulation, Add	1,169.63	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,729.13	
26 05 19 16-0560 MLF 4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	13,364.36	1,481.82
For EPR Insulation, Add	1,335.71	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,116.65	
26 05 19 16-0561 MLF 250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	14,236.24	1,625.20
For EPR Insulation, Add	1,405.68	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,279.91	
26 05 19 16-0562 MLF 300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	16,781.46	1,786.56
For EPR Insulation, Add	1,726.64	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	4,028.84	
26 05 19 16-0563 MLF 350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	18,712.59	1,894.00
For EPR Insulation, Add	1,955.50	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	4,562.83	
26 05 19 16-0564 MLF 400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	20,955.52	2,116.85
For EPR Insulation, Add	2,231.13	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	5,205.96	

26 Electrical
26 05 Common Work Results for Electrical
26 05 19 Low-Voltage Electrical Power Conductors and Cables



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0565	MLF		500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	23,928.17 2,616.21 6,104.49	2,354.29
26 05 19 16-0566	MLF		600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	27,995.22 3,145.19 7,338.77	2,449.43
26 05 19 16-0567	MLF		750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	45,282.45 5,616.64 13,105.50	2,544.43
26 05 19 16-0568	MLF		1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	56,961.36 7,287.39 17,003.92	2,718.77
26 05 19 16-0569	MLF		#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,883.71	486.23
26 05 19 16-0570	MLF		#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,342.82	540.56
26 05 19 16-0571	MLF		#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,934.87	649.22
26 05 19 16-0572	MLF		#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,477.17	756.51
26 05 19 16-0573	MLF		#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,120.93	810.04
26 05 19 16-0574	MLF		#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	638.84	270.28
26 05 19 16-0575	MLF		#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	796.67	297.31
26 05 19 16-0576	MLF		#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	817.46	216.76
26 05 19 16-0577	MLF		#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,013.66	258.39
26 05 19 16-0578	MLF		#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,250.68	325.02
26 05 19 16-0579	MLF		#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,746.59	428.40
26 05 19 16-0580	MLF		#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,363.38	517.32
26 05 19 16-0581	MLF		#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,108.18	611.38
26 05 19 16-0582	MLF		#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,709.34	692.06
26 05 19 16-0583	MLF		#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,424.02	775.03
26 05 19 16-0584	MLF		#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,257.10	874.63
26 05 19 16-0585	MLF		1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,114.81	957.74
26 05 19 16-0586	MLF		2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,930.16	1,058.42
26 05 19 16-0587	MLF		3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	8,197.10	1,119.51
26 05 19 16-0588	MLF		4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	9,747.33	1,259.51
26 05 19 16-0589	MLF		250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,421.95	1,339.92
26 05 19 16-0590	MLF		300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	13,165.49	1,517.50
26 05 19 16-0591	MLF		350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	15,037.31	1,679.39
26 05 19 16-0592	MLF		400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	16,844.42	1,725.34
26 05 19 16-0593	MLF		500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	19,953.80	1,825.35
26 05 19 16-0594	MLF		600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	24,679.38	2,148.06
26 05 19 16-0595	MLF		750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	37,605.72	2,544.43
26 05 19 16-0596	MLF		1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	45,027.23	3,072.02
26 05 19 16-0597	MLF		#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,860.33	649.22
26 05 19 16-0598	MLF		#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,204.74	756.51
26 05 19 16-0599	MLF		#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,704.89	865.58
26 05 19 16-0600	MLF		#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,706.35	972.60
26 05 19 16-0601	MLF		#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,317.72	1,081.13
26 05 19 16-0602	MLF		#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,646.02	1,188.16
26 05 19 16-0603 600 Volt, Feeder Wire, Single Stranded Aluminum (26 05 19 16-0309)					
26 05 19 16-0604	MLF		#6 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,408.72	388.35
26 05 19 16-0605	MLF		#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,668.62	451.57
26 05 19 16-0606	MLF		#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,181.67	579.66
26 05 19 16-0607	MLF		#1 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,691.02	647.29
26 05 19 16-0608	MLF		1/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,110.71	729.26
26 05 19 16-0609	MLF		2/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,533.73	804.91
26 05 19 16-0610	MLF		3/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,161.08	908.39
26 05 19 16-0611	MLF		4/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,605.75	1,002.19
26 05 19 16-0612	MLF		250 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,318.36	1,101.73
26 05 19 16-0613	MLF		300 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,536.88	1,198.11
26 05 19 16-0614	MLF		350 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,836.39	1,294.47
26 05 19 16-0615	MLF		400 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,808.66	1,439.80
26 05 19 16-0616	MLF		500 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	8,605.44	1,585.08
26 05 19 16-0617	MLF		600 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	10,498.45	1,846.45
26 05 19 16-0618	MLF		700 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	11,851.26	2,024.22
26 05 19 16-0619	MLF		750 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	12,107.96	2,099.26
26 05 19 16-0620	MLF		1,000 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	16,579.43	2,546.52
26 05 19 16-0621	MLF		#8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,703.83	479.89
26 05 19 16-0622	MLF		#6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,916.26	540.56
26 05 19 16-0623	MLF		#4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,358.75	665.02
26 05 19 16-0624	MLF		#2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,983.15	815.17
26 05 19 16-0625	MLF		#1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,783.18	959.64
26 05 19 16-0626	MLF		1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,364.92	1,081.53
26 05 19 16-0627	MLF		2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,966.06	1,201.27
26 05 19 16-0628	MLF		3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,714.86	1,310.60
26 05 19 16-0629	MLF		4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,196.54	1,394.79
26 05 19 16-0630	MLF		250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,038.69	1,492.37
26 05 19 16-0631	MLF		300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	8,567.44	1,599.39
26 05 19 16-0632	MLF		350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	9,963.80	1,727.78
26 05 19 16-0633	MLF		400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	10,140.44	1,884.13
26 05 19 16-0634	MLF		500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	11,395.11	2,162.25
26 05 19 16-0635	MLF		600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	13,277.73	2,275.51
26 05 19 16-0636	MLF		700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	14,758.17	2,399.02



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0637				MLF 750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	15,224.02	2,549.57
26 05 19 16-0638				MLF 1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	22,108.41	3,573.13
26 05 19 16-0639				MLF #6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,967.51	540.56
26 05 19 16-0640				MLF #4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,454.20	664.89
26 05 19 16-0641				MLF #2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,061.65	816.25
26 05 19 16-0642				MLF #1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,846.47	954.23
26 05 19 16-0643				MLF 1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,345.93	1,076.53
26 05 19 16-0644				MLF 2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,920.94	1,193.83
26 05 19 16-0645				MLF 3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,705.75	1,310.60
26 05 19 16-0646				MLF 4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,233.06	1,394.79
26 05 19 16-0647				MLF 250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,073.11	1,491.41
26 05 19 16-0648				MLF 300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	8,580.26	1,601.42
26 05 19 16-0649				MLF 350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	9,078.00	1,730.07
26 05 19 16-0650				MLF 400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	10,050.93	1,879.81
26 05 19 16-0651				MLF 500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	11,566.61	2,162.25
26 05 19 16-0652				MLF 600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	13,242.69	2,269.42
26 05 19 16-0653				MLF 700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	14,693.45	2,399.02
26 05 19 16-0654				MLF 750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	15,261.76	2,541.87
26 05 19 16-0655				Non-Metallic Sheathed Cable <small>(26 05 19 16-0309)</small>		
26 05 19 16-0656				Indoor Installation <small>(26 05 19 16-0655)</small> Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0657				MLF #14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	2,906.73	1,026.94
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	385.09	
26 05 19 16-0658				MLF #14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	3,573.75	1,243.30
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	466.26	
26 05 19 16-0659				MLF #14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	4,524.67	1,375.73
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	515.90	
26 05 19 16-0660				MLF #12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	3,356.33	1,167.62
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	415.56	
26 05 19 16-0661				MLF #12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	4,350.12	1,297.08
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	486.42	
26 05 19 16-0662				MLF #12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	5,334.28	1,448.71
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	543.27	
26 05 19 16-0663				MLF #10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	4,052.91	1,297.76
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	486.67	
26 05 19 16-0664				MLF #10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	5,548.55	1,513.85
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	567.69	
26 05 19 16-0665				MLF #10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	6,493.99	1,729.80
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	648.68	
26 05 19 16-0666				MLF #8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	6,067.66	1,554.12
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	553.40	
26 05 19 16-0667				MLF #8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	7,586.99	1,878.46
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	668.95	
26 05 19 16-0668				MLF #6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	7,506.63	1,770.34
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	628.40	
26 05 19 16-0669				MLF #6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	9,724.28	2,135.22
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	760.17	
26 05 19 16-0670				MLF #4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	18,525.60	2,351.45
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	836.18	
26 05 19 16-0671				MLF #2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	21,340.69	2,554.17
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	912.20	
26 05 19 16-0672				Direct Burial Cable <small>(26 05 19 16-0655)</small> Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.		
26 05 19 16-0673				MLF #14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	3,022.13	
26 05 19 16-0674				MLF #14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	3,925.78	
26 05 19 16-0675				MLF #12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	3,824.50	
26 05 19 16-0676				MLF #12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	4,852.45	
26 05 19 16-0677				MLF #10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	4,133.31	
26 05 19 16-0678				MLF #10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	5,857.98	
26 05 19 16-0679				MLF #8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	6,261.20	
26 05 19 16-0680				MLF #8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	7,980.11	
26 05 19 16-0681				MLF #6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	7,856.93	
26 05 19 16-0682				MLF #6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	10,269.93	
26 05 19 16-0683				SEU Cable Copper, 3 Conductor <small>(26 05 19 16-0655)</small>		
26 05 19 16-0684				MLF 12-12-12 Cable SEU Copper.....	4,066.11	1,301.99
26 05 19 16-0685				MLF 10-10-10 Cable SEU Copper.....	5,147.73	1,479.03
26 05 19 16-0686				MLF 8-8-8 Cable SEU Copper.....	6,458.56	1,656.22
26 05 19 16-0687				MLF 6-6-8 Cable SEU Copper.....	7,865.25	1,775.58
26 05 19 16-0688				MLF 6-6-6 Cable SEU Copper.....	8,482.76	1,835.03
26 05 19 16-0689				MLF 4-4-6 Cable SEU Copper.....	10,406.78	2,012.23

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0690 MLF 4-4-4 Cable SEU Copper	11,242.00	2,071.53
26 05 19 16-0691 MLF 3-3-5 Cable SEU Copper	13,138.23	2,247.83
26 05 19 16-0692 MLF 3-3-3 Cable SEU Copper	13,961.34	2,366.45
26 05 19 16-0693 MLF 2-2-4 Cable SEU Copper	14,927.13	2,485.80
26 05 19 16-0694 MLF 2-2-2 Cable SEU Copper	15,975.32	2,603.99
26 05 19 16-0695 MLF 1-1-1 Cable SEU Copper	19,623.89	2,958.06
26 05 19 16-0696 MLF 1/0-1/0-1/0 Cable SEU Copper	23,415.90	3,316.29
26 05 19 16-0697 MLF 2/0-2/0-2/0 Cable SEU Copper	28,275.98	3,735.00
26 05 19 16-0698 MLF 3/0-3/0-3/0 Cable SEU Copper	34,122.88	4,154.60
26 05 19 16-0699 MLF 4/0-4/0-4/0 Cable SEU Copper	38,136.18	4,636.47
26 05 19 16-0700 SEU Cable Aluminum, 3 Conductor (26 05 19 16-0655)		
26 05 19 16-0701 MLF 8-8-8 Cable SEU Aluminum	5,241.68	1,661.84
26 05 19 16-0702 MLF 6-6-6 Cable SEU Aluminum	5,962.57	1,826.01
26 05 19 16-0703 MLF 4-4-6 Cable SEU Aluminum	6,686.59	1,998.76
26 05 19 16-0704 MLF 4-4-4 Cable SEU Aluminum	6,999.81	2,083.21
26 05 19 16-0705 MLF 2-2-4 Cable SEU Aluminum	8,370.00	2,465.11
26 05 19 16-0706 MLF 2-2-2 Cable SEU Aluminum	8,880.95	2,594.81
26 05 19 16-0707 MLF 1-1-1 Cable SEU Aluminum	10,639.34	2,958.06
26 05 19 16-0708 MLF 1/0-1/0-2 Cable SEU Aluminum	11,259.15	3,113.80
26 05 19 16-0709 MLF 1/0-1/0-1/0 Cable SEU Aluminum	13,595.82	3,286.70
26 05 19 16-0710 MLF 2/0-2/0-1 Cable SEU Aluminum	12,713.32	3,521.57
26 05 19 16-0711 MLF 2/0-2/0-2/0 Cable SEU Aluminum	13,426.33	3,697.58
26 05 19 16-0712 MLF 3/0-3/0-1/0 Cable SEU Aluminum	14,598.25	3,871.80
26 05 19 16-0713 MLF 3/0-3/0-3/0 Cable SEU Aluminum	15,611.70	4,108.45
26 05 19 16-0714 MLF 4/0-4/0-2/0 Cable SEU Aluminum	16,500.82	4,441.54
26 05 19 16-0715 MLF 4/0-4/0-4/0 Cable SEU Aluminum	17,414.87	4,621.97
26 05 19 16-0716 SER Cable Copper, 4 Conductor (26 05 19 16-0655)		
26 05 19 16-0717 MLF 6-6-6-6 Cable SER Copper	12,006.22	2,131.14
26 05 19 16-0718 MLF 4-4-4-6 Cable SER Copper	13,159.86	2,307.44
26 05 19 16-0719 MLF 3-3-3-5 Cable SER Copper	16,259.38	2,603.99
26 05 19 16-0720 MLF 2-2-2-4 Cable SER Copper	18,586.92	2,838.85
26 05 19 16-0721 MLF 1-1-1-3 Cable SER Copper	21,652.61	3,250.62
26 05 19 16-0722 MLF 1/0-1/0-1/0-2 Cable SER Copper	26,327.26	3,725.53
26 05 19 16-0723 MLF 2/0-2/0-2/0-1 Cable SER Copper	32,861.65	4,019.12
26 05 19 16-0724 MLF 3/0-3/0-3/0-1/0 Cable SER Copper	37,928.86	4,495.51
26 05 19 16-0725 SER Cable Aluminum, 4 Conductor (26 05 19 16-0655)		
26 05 19 16-0726 MLF 8-8-8-8 Cable SER Aluminum	7,379.88	1,989.15
26 05 19 16-0727 MLF 6-6-6-6 Cable SER Aluminum	8,086.30	2,131.14
26 05 19 16-0728 MLF 4-4-4-6 Cable SER Aluminum	9,136.48	2,307.44
26 05 19 16-0729 MLF 2-2-2-4 Cable SER Aluminum	11,582.66	2,838.85
26 05 19 16-0730 MLF 1-1-1-3 Cable SER Aluminum	14,126.22	3,250.62
26 05 19 16-0731 MLF 1/0-1/0-1/0-2 Cable SER Aluminum	15,900.94	3,725.53
26 05 19 16-0732 MLF 2/0-2/0-2/0-1 Cable SER Aluminum	17,953.33	4,019.12
26 05 19 16-0733 MLF 3/0-3/0-3/0-1/0 Cable SER Aluminum	20,526.63	4,495.51
26 05 19 16-0734 MLF 4/0-4/0-4/0-2/0 Cable SER Aluminum	23,413.96	5,009.33
26 05 19 16-0735 ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0011)		
Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0736 ACSR Cable (26 05 19 16-0735)		
26 05 19 16-0737 MLF #4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,081.91	668.47
26 05 19 16-0738 MLF #4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,214.35	694.11
26 05 19 16-0739 MLF #2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,396.65	720.83
26 05 19 16-0740 MLF #2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,529.66	746.93
26 05 19 16-0741 MLF 1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,827.19	772.26
26 05 19 16-0742 MLF 2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,297.85	875.43
26 05 19 16-0743 MLF 3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,819.88	976.29
26 05 19 16-0744 MLF 4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	4,400.25	1,078.54
26 05 19 16-0745 MLF 336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	5,135.61	1,386.06
26 05 19 16-0746 MLF 477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	5,839.56	1,589.93
26 05 19 16-0747 All Aluminum Conductors (26 05 19 16-0735)		
26 05 19 16-0748 MLF 795.0 ACSR Conductor Aluminum	40,570.75	13,052.35
26 05 19 16-0749 Single Conductor Installed On Poles (26 05 19 16-0011)		
26 05 19 16-0750 Bare Stranded Conductor (26 05 19 16-0749)		
26 05 19 16-0751 MLF #12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,662.62	566.38
26 05 19 16-0752 MLF #10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,927.32	617.35
26 05 19 16-0753 MLF #8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,193.67	668.94
26 05 19 16-0754 MLF #6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,643.32	720.83
26 05 19 16-0755 MLF #4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	3,167.77	772.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0756 MLF #2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,456.44	927.02
26 05 19 16-0757 MLF #1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	5,105.20	1,029.74
26 05 19 16-0758 MLF 1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	5,806.04	1,130.60
26 05 19 16-0759 MLF 2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	7,708.15	1,340.95
26 05 19 16-0760 MLF 3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	9,315.55	1,541.75
26 05 19 16-0761 MLF 4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	10,040.01	1,747.33
26 05 19 16-0762 MLF 250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	12,640.53	2,059.92
26 05 19 16-0763 MLF 300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	12,957.76	2,167.74
26 05 19 16-0764 MLF 350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	15,982.79	2,270.15
26 05 19 16-0765 MLF 400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	17,597.43	2,363.28
26 05 19 16-0766 MLF 500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	20,385.06	2,464.14
 26 05 19 16-0767 Insulated Stranded Conductor <small>(26 05 19 16-0749)</small>		
26 05 19 16-0768 MLF #12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,777.04	566.38
26 05 19 16-0769 MLF #10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,074.95	617.35
26 05 19 16-0770 MLF #8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,485.11	668.94
26 05 19 16-0771 MLF #6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,698.49	720.83
26 05 19 16-0772 MLF #4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	3,251.93	772.88
26 05 19 16-0773 MLF #2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	4,334.89	927.02
26 05 19 16-0774 MLF #1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	5,093.07	1,029.74
26 05 19 16-0775 MLF 1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	5,975.28	1,130.60
26 05 19 16-0776 MLF 2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	7,188.43	1,340.95
26 05 19 16-0777 MLF 3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	8,591.12	1,541.75
26 05 19 16-0778 MLF 4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	10,096.52	1,747.33
26 05 19 16-0779 MLF 250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	12,294.75	2,059.92
26 05 19 16-0780 MLF 300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	13,873.03	2,167.74
26 05 19 16-0781 MLF 350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	15,166.33	2,270.15
26 05 19 16-0782 MLF 400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	16,920.48	2,363.28
26 05 19 16-0783 MLF 500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	18,945.20	2,464.14
 26 05 19 16-0784 Bare Solid Conductor <small>(26 05 19 16-0749)</small>		
26 05 19 16-0785 MLF #12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,662.62	566.38
26 05 19 16-0786 MLF #8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,193.67	668.94
26 05 19 16-0787 MLF #6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,643.32	720.83
26 05 19 16-0788 MLF #4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	3,132.99	772.88
 26 05 23 Control-Voltage Electrical Power Cables <small>(26 05)</small>		
26 05 23 00-0001 Cable For HVAC System Controls <small>(26 05 23)</small>		
26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt <small>(26 05 23 00-0001)</small>		
Note: For surface or conduit installation.		
26 05 23 00-0003 MLF #20/2 Conductor, Low Volt Thermostat Cable.....	585.51	172.31
26 05 23 00-0004 MLF #20/3 Conductor, Low Volt Thermostat Cable.....	668.38	181.50
26 05 23 00-0005 MLF #20/4 Conductor, Low Volt Thermostat Cable.....	724.41	191.90
26 05 23 00-0006 MLF #20/5 Conductor, Low Volt Thermostat Cable.....	867.95	200.01
26 05 23 00-0007 MLF #20/6 Conductor, Low Volt Thermostat Cable.....	909.90	209.47
26 05 23 00-0008 MLF #20/7 Conductor, Low Volt Thermostat Cable.....	1,001.23	218.18
26 05 23 00-0009 MLF #20/8 Conductor, Low Volt Thermostat Cable.....	1,080.54	226.90
26 05 23 00-0010 MLF #20/9 Conductor, Low Volt Thermostat Cable.....	1,173.12	235.95
26 05 23 00-0011 MLF #20/10 Conductor, Low Volt Thermostat Cable.....	1,262.07	243.04
26 05 23 00-0012 MLF #18/2 Conductor, Low Volt Thermostat Cable.....	635.84	172.31
26 05 23 00-0013 MLF #18/3 Conductor, Low Volt Thermostat Cable.....	758.16	181.50
26 05 23 00-0014 MLF #18/4 Conductor, Low Volt Thermostat Cable.....	866.84	191.90
26 05 23 00-0015 MLF #18/5 Conductor, Low Volt Thermostat Cable.....	926.75	200.01
26 05 23 00-0016 MLF #18/6 Conductor, Low Volt Thermostat Cable.....	1,028.01	209.47
26 05 23 00-0017 MLF #18/7 Conductor, Low Volt Thermostat Cable.....	1,055.46	218.18
26 05 23 00-0018 MLF #18/8 Conductor, Low Volt Thermostat Cable.....	1,163.30	226.90
26 05 23 00-0019 MLF #18/9 Conductor, Low Volt Thermostat Cable.....	1,371.71	235.95
26 05 23 00-0020 MLF #18/10 Conductor, Low Volt Thermostat Cable.....	1,507.00	243.04
 26 05 26 Grounding and Bonding for Electrical Systems <small>(26 05)</small>		
26 05 26 00-0001 Conductors, Straps And Conduit Jumpers <small>(26 05 26)</small>		
26 05 26 00-0002 Single Conductor <small>(26 05 26 00-0001)</small>		
26 05 26 00-0003 Copper Bare Stranded Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0004 MLF 12 AWG Copper Bare Single Stranded Conductor.....	695.05	262.88
26 05 26 00-0005 MLF 10 AWG Copper Bare Single Stranded Conductor.....	913.57	262.88
26 05 26 00-0006 MLF 8 AWG Copper Bare Single Stranded Conductor.....	1,133.15	316.66
26 05 26 00-0007 MLF 6 AWG Copper Bare Single Stranded Conductor.....	1,548.85	316.66
26 05 26 00-0008 MLF 4 AWG Copper Bare Single Stranded Conductor.....	2,071.17	382.37
26 05 26 00-0009 MLF 2 AWG Copper Bare Single Stranded Conductor.....	3,242.91	382.37
26 05 26 00-0010 MLF 1 AWG Copper Bare Single Stranded Conductor.....	3,749.41	460.05
26 05 26 00-0011 MLF 1/0 AWG Copper Bare Single Stranded Conductor.....	4,396.79	460.05
26 05 26 00-0012 MLF 2/0 AWG Copper Bare Single Stranded Conductor.....	6,148.12	579.54

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0013 MLF 3/0 AWG Copper Bare Single Stranded Conductor	7,573.21	579.54
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor	8,042.99	770.74
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor	10,313.74	770.74
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor	10,352.81	890.23
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor	13,928.28	890.23
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor	18,997.87	1,099.34
26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor	1,288.07	358.48
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor	1,375.41	358.48
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor	1,760.40	358.48
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor	2,001.20	621.36
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor	2,701.37	621.36
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor	3,809.81	621.36
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor	4,602.52	1,087.39
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor	5,613.04	1,087.39
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor	6,575.49	1,087.39
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor	7,827.74	1,087.39
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor	9,228.20	1,421.97
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor	11,151.96	1,421.97
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor	12,984.98	1,421.97
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor	15,212.65	2,210.63
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor	19,848.49	2,210.63
26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor	695.05	262.88
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor	913.57	262.88
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor	1,133.15	316.66
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor	1,548.85	316.66
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor	2,071.17	382.37
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor	3,242.91	382.37
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor	4,396.79	460.05
26 05 26 00-0043 MLF 4/0 AWG Copper Bare Single Solid Conductor	8,042.99	609.41
26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor	834.70	316.66
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor	921.95	316.66
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor	1,057.51	382.37
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor	1,335.81	382.37
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor	1,555.81	460.05
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor	1,782.25	460.05
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor	2,039.12	579.54
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor	2,354.87	579.54
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor	2,799.35	770.74
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor	3,148.93	770.74
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor	3,779.54	890.23
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor	4,313.94	890.23
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor	5,069.28	1,099.34
26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor	834.70	316.66
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor	921.95	316.66
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor	1,057.51	382.37
26 05 26 00-0062 MLF 2 AWG Aluminum Bare Single Solid Conductor	1,335.81	382.37
26 05 26 00-0063 MLF 1 AWG Aluminum Bare Single Solid Conductor	1,507.58	609.41
26 05 26 00-0064 MLF 1/0 AWG Aluminum Bare Single Solid Conductor	1,782.25	609.41
26 05 26 00-0065 MLF 2/0 AWG Aluminum Bare Single Solid Conductor	1,919.66	579.54
26 05 26 00-0066 MLF 3/0 AWG Aluminum Bare Single Solid Conductor	2,114.33	579.54
26 05 26 00-0067 MLF 4/0 AWG Aluminum Bare Single Solid Conductor	2,799.35	770.74
26 05 26 00-0068 MLF 250 MCM Aluminum Bare Single Solid Conductor	3,148.93	770.74
26 05 26 00-0069 MLF 300 MCM Aluminum Bare Single Solid Conductor	3,779.54	890.23
26 05 26 00-0070 MLF 350 MCM Aluminum Bare Single Solid Conductor	4,313.94	890.23
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor	5,069.28	1,099.34
26 05 26 00-0072 Aluminum Smooth Woven Conductors (26 05 26 00-0002)		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.34	1.02
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.70	1.12
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.37	1.28
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.40	1.31
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.62	1.37
26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0079 EA 100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	150.50	36.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19	
26 05 26 00-0080 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	251.40	44.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 05 26 00-0081 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length.....	316.53	44.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 05 26 00-0082 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	380.76	44.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 05 26 00-0083 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	336.65	48.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.28	
26 05 26 00-0084 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length.....	430.34	48.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.28	
26 05 26 00-0085 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	511.74	48.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.28	
26 05 26 00-0086 EA 600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	433.43	61.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.61	
26 05 26 00-0087 EA 800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	521.49	73.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	
26 05 26 00-0088 Bonding Jumper For Metallic Conduit (26 05 26 00-0001)		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit.....	212.49	81.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.22	
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit.....	261.74	81.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.89	
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit.....	372.21	125.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.23	
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper, Metallic Conduit.....	538.20	125.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.17	
26 05 26 00-0093 Ground Rods (26 05 26)		
26 05 26 00-0094 Copper-Clad Ground Rods (26 05 26 00-0093)		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods.....	119.22	110.93
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods.....	123.35	110.93
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods.....	139.99	110.93
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods.....	139.80	110.93
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods.....	144.96	110.93
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods.....	165.77	110.93
26 05 26 00-0101 Copper Grounding Shaft (26 05 26 00-0093)		
26 05 26 00-0102 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	384.88	110.93
26 05 26 00-0103 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	476.69	110.93
26 05 26 00-0104 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	728.46	110.93
26 05 26 00-0105 Ground Access Wells (26 05 26 00-0093)		
26 05 26 00-0106 Precast Ground Access Wells (26 05 26 00-0105)		
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well.....	275.44	
Note: With cast iron grate.		
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well.....	285.47	
Note: With cast iron grate.		
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well.....	832.64	
Note: With cast iron grate.		
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well.....	842.66	
Note: With cast iron grate.		
26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	638.93	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	753.94	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	1,418.95	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	609.74	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	718.11	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	1,359.81	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well.....	333.50	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well.....	356.56	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well.....	377.13	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	251.84	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	380.10	

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	684.00	
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	915.30	
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	545.71	
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	802.27	
26 05 26 00-0127 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	855.22	
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	1,041.80	
26 05 26 00-0129 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	450.97	
26 05 26 00-0130 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	803.32	
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	865.74	
26 05 26 00-0132 Polymer Concrete Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well.....	524.99	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well.....	576.08	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well.....	578.59	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	634.81	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well.....	634.24	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well.....	696.08	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well.....	846.82	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	931.16	
26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	190.45	
26 05 26 00-0143 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	265.67	
26 05 26 00-0144 Clay Tile Ground Access Wells (26 05 26 00-0105)		
26 05 26 00-0145 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover.....	301.13	
26 05 26 00-0146 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover.....	316.79	
26 05 26 00-0147 EA Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well.....	96.45	
26 05 26 00-0148 Ground Rod Clamps And Fittings (26 05 26)		
26 05 26 00-0149 Bronze Ground Rod Clamp (26 05 26 00-0148)		
26 05 26 00-0150 EA 1/2" Bronze Ground Rod Clamp.....	28.02	16.71
26 05 26 00-0151 EA 5/8" Bronze Ground Rod Clamp.....	29.06	16.71
26 05 26 00-0152 EA 3/4" Bronze Ground Rod Clamp.....	30.55	16.71
26 05 26 00-0153 Bronze Pipe Clamps (26 05 26 00-0148)		
26 05 26 00-0154 EA 1/2" To 1" Bronze Pipe Ground Clamps.....	39.75	27.81
26 05 26 00-0155 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe.....	50.51	33.28
26 05 26 00-0156 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe.....	74.83	38.90
26 05 26 00-0157 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe.....	91.60	49.99
26 05 26 00-0158 EA 4" To 6" Bronze Ground Clamps For Pipe.....	140.09	72.18
26 05 26 00-0159 Grounding Fittings (26 05 26 00-0148)		
26 05 26 00-0160 Embedded Fittings (26 05 26 00-0159)		
26 05 26 00-0161 EA Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded.....	188.36	
26 05 26 00-0162 EA Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded.....	197.78	
26 05 26 00-0163 EA Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded.....	214.50	
26 05 26 00-0164 EA #8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice.....	193.06	
26 05 26 00-0165 EA 1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice.....	231.41	
26 05 26 00-0166 EA 4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice.....	271.12	
26 05 26 00-0167 EA 350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice.....	304.79	
26 05 26 00-0168 Ground Rod Receptacle (26 05 26 00-0159)		
26 05 26 00-0169 EA 1/2" Ground Rod Receptacle.....	403.79	153.82
26 05 26 00-0170 EA 5/8" Ground Rod Receptacle.....	420.66	158.16
26 05 26 00-0171 EA 3/4" Ground Rod Receptacle.....	437.98	162.45
26 05 26 00-0172 Ground Kits For Circuit Breaker Panels (26 05 26 00-0159)		
26 05 26 00-0173 EA 14-8 AWG Copper Ground Kit.....	91.70	36.98
26 05 26 00-0174 EA 12-8 AWG Aluminum Ground Kit.....	98.46	36.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0175 EA 14-4 AWG Copper Ground Kit.....	99.62	36.98
26 05 26 00-0176 EA 12-4 AWG Aluminum Ground Kit.....	115.61	36.98
26 05 26 00-0177 Insulated Grounding Bars (26 05 26 00-0148)		
26 05 26 00-0178 EA 1/2" x 4" x 10" Insulated Ground Bar.....	361.24	37.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	66.56	
26 05 26 00-0179 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20".....	376.54	37.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	66.56	
26 05 26 00-0180 Ground Conductor Bonding (26 05 26)		
26 05 26 00-0181 Ground Conductor Bonding (26 05 26 00-0180)		
26 05 26 00-0182 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld (26 05 26 00-0181)		
26 05 26 00-0183 EA Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	167.03	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0184 EA #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	181.81	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0185 EA 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	196.61	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0186 EA 250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	285.34	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0187 Tee, Wye Or Cross Cadweld (26 05 26 00-0181)		
26 05 26 00-0188 EA Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross.....	189.21	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0189 EA #4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross.....	218.78	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0190 EA 1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross.....	270.56	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0191 EA 250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross.....	329.71	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0192 Grounding Equipment (26 05 26)		
26 05 26 00-0193 Special Grounding Equipment (26 05 26 00-0192)		
26 05 26 00-0194 Ground Reels And Ground Bus (26 05 26 00-0193)		
26 05 26 00-0195 EA Ground Reel With 50' Of Galvanized Steel Cable.....	768.14	
26 05 26 00-0196 Copper Bars (26 05 26 00-0193)		
26 05 26 00-0197 LF 1/4" x 2" Copper Bar.....	45.68	
26 05 26 00-0198 Phenolic Insulators (26 05 26 00-0193)		
26 05 26 00-0199 EA 2" x 2" x 1" Long Phenolic Insulators.....	36.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.87	
26 05 26 00-0200 Grounding Studs (26 05 26 00-0193)		
26 05 26 00-0201 EA Ball Grounding Stud.....	53.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	13.25	
26 05 26 00-0202 Equipment Ground Bar Kits (26 05 26 00-0193)		
26 05 26 00-0203 EA Switch Rating 30 Ground Bar Kit.....	40.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.87	
26 05 26 00-0204 EA Switch Rating 60 Ground Bar Kit.....	50.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	9.76	
26 05 26 00-0205 EA Switch Rating 100 Ground Bar Kit.....	58.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	11.09	
26 05 26 00-0206 EA Switch Rating 200 Ground Bar Kit.....	95.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	13.31	
26 05 26 00-0207 Panelboard Ground Bar Kits (26 05 26 00-0193)		
26 05 26 00-0208 EA Panelboard Ground Bar Kit.....	132.02	11.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	11.09	
26 05 26 00-0209 Circuit Breaker Ground Bar Kits (26 05 26 00-0193)		
26 05 26 00-0210 EA 3 Circuit, Ground Bar Kit.....	32.84	6.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.66	
26 05 26 00-0211 EA 4 Circuit, Ground Bar Kit.....	32.35	6.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.66	
26 05 26 00-0212 EA 7 Circuit, Ground Bar Kit.....	33.17	6.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.66	

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0213 EA 12 Circuit, Ground Bar Kit.....	37.60	7.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	
26 05 26 00-0214 EA 20 Circuit, Ground Bar Kit.....	42.68	8.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.43	
26 05 26 00-0215 EA 24 Circuit, Ground Bar Kit.....	47.12	9.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.32	
26 05 26 00-0216 EA 30 Circuit, Ground Bar Kit.....	52.86	10.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.65	
26 05 26 00-0217 EA 54 Circuit, Ground Bar Kit.....	61.25	12.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.43	
26 05 26 00-0218 EA 24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	63.67	9.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.32	
26 05 26 00-0219 EA 30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	70.72	10.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.65	
26 05 26 00-0220 EA 54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	79.27	12.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.43	

26 05 29 Hangers and Supports for Electrical Systems (26 05)

26 05 29 00-0001	Metal Framing Channel And Fittings (26 05 29)		
26 05 29 00-0002	Metal Framing Channel (26 05 29 00-0001) Note: Excludes fasteners and accessories.		
26 05 29 00-0003	14 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0004	14 Gauge, Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0005 EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	24.88	8.11
26 05 29 00-0006 EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	26.78	8.11
26 05 29 00-0007 LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	12.06	3.05
26 05 29 00-0008	14 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0009 EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	38.52	8.11
26 05 29 00-0010 EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	42.12	8.11
26 05 29 00-0011 EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	54.06	8.11
26 05 29 00-0012 EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	61.25	8.11
26 05 29 00-0013 LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	25.69	3.06
26 05 29 00-0014 LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	29.29	3.06
26 05 29 00-0015	14 Gauge, 316 Stainless Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0016 EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	54.05	8.11
26 05 29 00-0017 EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	85.13	8.11
26 05 29 00-0018 LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	41.22	3.06
26 05 29 00-0019	12 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0020	12 Gauge, Steel Unistrut Channel (26 05 29 00-0019)		
26 05 29 00-0021 EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	26.34	8.11
26 05 29 00-0022 EA	Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	25.84	8.11
26 05 29 00-0023 EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	25.52	8.11
26 05 29 00-0024 EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	29.69	8.11
26 05 29 00-0025 EA	>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	28.71	8.11
26 05 29 00-0026 EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	28.07	8.11
26 05 29 00-0027 LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	13.52	3.05
26 05 29 00-0028 LF	>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	13.02	3.05
26 05 29 00-0029 LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	12.70	3.05
26 05 29 00-0030	12 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0019)		
26 05 29 00-0031 EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	43.31	8.11
26 05 29 00-0032 EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	49.51	8.11
26 05 29 00-0033 EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	63.64	8.11
26 05 29 00-0034 EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	76.05	8.11
26 05 29 00-0035 LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	30.49	3.05
26 05 29 00-0036 LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	36.69	3.05
26 05 29 00-0037	Metal Framing Channel Fittings (26 05 29 00-0001)		
26 05 29 00-0038	Unistrut Channel Closure Strips And Caps (26 05 29 00-0037)		
26 05 29 00-0039	Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0040 LF	Steel Raceway Closure Strip, Unistrut Channel Fittings.....	6.45	0.74
26 05 29 00-0041 EA	Steel End Cap, Unistrut Channel Fittings.....	16.77	7.40
26 05 29 00-0042	Stainless Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0043 EA	Stainless Steel End Cap For Unistrut Channel.....	24.10	7.40



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0044				Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0045				Steel Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0044)</small>		
		EA		2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	6.72	
		EA		3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	6.68	
		EA		4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	7.96	
26 05 29 00-0049				Stainless Steel Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0044)</small>		
		EA		2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting.....	17.96	
		EA		3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting.....	26.40	
		EA		4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting.....	33.54	
26 05 29 00-0053				90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0054				Steel 90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0053)</small>		
		EA		2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	6.52	
		EA		2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	5.58	
		EA		3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	9.09	
		EA		3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	8.98	
26 05 29 00-0059				Stainless Steel 90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0053)</small>		
		EA		2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	10.56	
		EA		2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	13.04	
		EA		2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	11.16	
		EA		2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	15.57	
		EA		3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	14.29	
		EA		3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	25.81	
		EA		3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	14.99	
		EA		3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	21.44	
26 05 29 00-0068				60 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0069				Steel 60 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0068)</small>		
		EA		2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting.....	12.68	
26 05 29 00-0071				U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0072				Steel, U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0071)</small>		
		EA		3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting.....	4.97	
		EA		5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting.....	5.46	
26 05 29 00-0075				Stainless Steel, U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0071)</small>		
		EA		5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting.....	21.29	
26 05 29 00-0077				Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0078				Steel Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0077)</small>		
		EA		3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting.....	12.99	
26 05 29 00-0080				Stainless Steel Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0077)</small>		
		EA		3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting.....	40.80	
26 05 29 00-0082				Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0037)</small>		
				Note: Includes hex screw and nut.		
26 05 29 00-0083				Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
				Note: Includes hex screw and nut.		
		EA		1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	5.82	2.22
		EA		3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	5.84	2.22
		EA		1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	5.95	2.22
		EA		1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	7.59	2.96
		EA		1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.15	2.96
		EA		2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.21	2.96
		EA		2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.08	3.70
		EA		3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.58	3.70
		EA		3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.06	3.70
		EA		4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.23	3.70

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0094			304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small> Note: Includes hex screw and nut.		
26 05 29 00-0095	EA		1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.97	2.22
26 05 29 00-0096	EA		3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.91	2.22
26 05 29 00-0097	EA		1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.85	2.22
26 05 29 00-0098	EA		1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.58	2.96
26 05 29 00-0099	EA		1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.19	2.96
26 05 29 00-0100	EA		2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.88	2.96
26 05 29 00-0101	EA		2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	20.31	3.70
26 05 29 00-0102	EA		3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	22.64	3.70
26 05 29 00-0103	EA		3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	23.64	3.70
26 05 29 00-0104	EA		4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	27.33	3.70
26 05 29 00-0105			316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small> Note: Includes hex screw and nut.		
26 05 29 00-0106	EA		1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.54	2.22
26 05 29 00-0107	EA		3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.87	2.22
26 05 29 00-0108	EA		1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.25	2.22
26 05 29 00-0109	EA		1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.76	2.96
26 05 29 00-0110	EA		1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	18.34	2.96
26 05 29 00-0111	EA		2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	18.57	2.96
26 05 29 00-0112	EA		2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	22.08	3.70
26 05 29 00-0113	EA		3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	23.26	3.70
26 05 29 00-0114	EA		3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	31.69	3.70
26 05 29 00-0115	EA		4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	36.84	3.70
26 05 29 00-0116			Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0117			Steel Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0116)</small>		
26 05 29 00-0118	EA		Set Screw Beam Clamp, Steel Unistrut Channel Fitting.....	41.54	13.52
26 05 29 00-0119	EA		"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings.....	30.38	13.52
26 05 29 00-0120	EA		"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting.....	40.41	13.52
26 05 29 00-0121			304 Stainless Steel Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0116)</small>		
26 05 29 00-0122	EA		"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting.....	54.92	13.52
26 05 29 00-0123			Square Washers For Unistrut Channel <small>(26 05 29 00-0037)</small>		
26 05 29 00-0124			Steel Square Washers For Unistrut Channel <small>(26 05 29 00-0123)</small>		
26 05 29 00-0125	EA		1/2" Bolt Size, Steel, Square Washer For Unistrut Channel.....	4.83	
26 05 29 00-0126			Stainless Steel Square Washers For Unistrut Channel <small>(26 05 29 00-0123)</small>		
26 05 29 00-0127	EA		1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel.....	5.45	
26 05 29 00-0128	EA		1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel.....	6.74	
26 05 29 00-0129			Strut Braces, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0130	EA		16" Diagonal Steel Bar Brace For Unistrut Channel.....	34.36	
26 05 29 00-0131			Trolley Hangers, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0132	EA		Steel Trolley Track Hanger For Unistrut Channel.....	42.99	
26 05 29 00-0133			Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0037)</small> Note: Includes hex bolt.		
26 05 29 00-0134			Steel Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0133)</small> Note: Includes hex bolt.		
26 05 29 00-0135	EA		1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	9.32	
26 05 29 00-0136	EA		3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	10.00	
26 05 29 00-0137	EA		1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	10.51	
26 05 29 00-0138	EA		5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	13.27	
26 05 29 00-0139			Stainless Steel Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0133)</small> Note: Includes hex bolt.		
26 05 29 00-0140	EA		1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	14.42	
26 05 29 00-0141	EA		3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	15.29	
26 05 29 00-0142	EA		1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	21.32	
26 05 29 00-0143	EA		5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	35.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0144 Lock Nuts Without Spring For Unistrut Channel <small>(26 05 29 00-0037)</small> Note: Includes hex bolt.		
26 05 29 00-0145 Steel Lock Nuts Without Spring For Unistrut Channel <small>(26 05 29 00-0144)</small> Note: Includes hex bolt.		
26 05 29 00-0146 EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	9.34	
26 05 29 00-0147 EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	10.10	
26 05 29 00-0148 EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	10.55	
26 05 29 00-0149 EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	14.07	
26 05 29 00-0150 Stainless Steel Lock Nuts Without Spring For Unistrut Channel <small>(26 05 29 00-0144)</small> Note: Includes hex bolt.		
26 05 29 00-0151 EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	10.56	
26 05 29 00-0152 EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	12.56	
26 05 29 00-0153 EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.62	
26 05 29 00-0154 EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	35.00	
26 05 29 00-0155 Mounting Assemblies <small>(26 05 29)</small>		
26 05 29 00-0156 Galvanized Steel Mounting Assemblies <small>(26 05 29 00-0155)</small>		
26 05 29 00-0157 Galvanized Steel Back Plate <small>(26 05 29 00-0156)</small>		
26 05 29 00-0158 EA 1/4" x 4' x 4', Galvanized Steel Back Plate, Painted.....	569.41	88.74
26 05 29 00-0159 EA 3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	142.21	29.58
26 05 29 00-0160 EA 3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	359.86	73.95
26 05 29 00-0161 Aluminum Mounting Assemblies <small>(26 05 29 00-0155)</small>		
26 05 29 00-0162 Aluminum Back Plate <small>(26 05 29 00-0161)</small>		
26 05 29 00-0163 EA 3/16" x 2' x 2' Aluminum Back Plate.....	473.11	110.93
26 05 29 00-0164 EA 3/16" x 4' x 4' Aluminum Back Plate.....	1,298.29	110.93
26 05 29 00-0165 Supports <small>(26 05 29)</small>		
26 05 29 00-0166 One Hole Steel Conduit Straps <small>(26 05 29 00-0165)</small>		
26 05 29 00-0167 EA 1/2", One Hole Steel Conduit Strap	5.25	
For Work In Restricted Working Space, Add	1.42	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.28	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.99	
For >500, Deduct	-1.47	
26 05 29 00-0168 EA 3/4", One Hole Steel Conduit Strap	5.30	
For Work In Restricted Working Space, Add	1.42	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.28	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.99	
For >500, Deduct	-1.48	
26 05 29 00-0169 EA 1", One Hole Steel Conduit Strap	5.56	
For Work In Restricted Working Space, Add	1.42	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.28	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-1.01	
For >500, Deduct	-1.50	
26 05 29 00-0170 EA 1-1/4", One Hole Steel Conduit Strap	5.75	
For Work In Restricted Working Space, Add	1.42	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.28	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-1.02	
For >500, Deduct	-1.52	
26 05 29 00-0171 EA 1-1/2", One Hole Steel Conduit Strap	5.87	
For Work In Restricted Working Space, Add	1.42	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.28	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.53	
26 05 29 00-0172 EA 2", One Hole Steel Conduit Strap	6.64	
For Work In Restricted Working Space, Add	1.42	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.28	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.09	
For >500, Deduct	-1.61	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0173	EA		2-1/2", One Hole Steel Conduit Strap	7.43	
			<i>For Work In Restricted Working Space, Add</i>	1.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-1.15	
			<i>For >500, Deduct</i>	-1.69	
26 05 29 00-0174	EA		3", One Hole Steel Conduit Strap.....	7.69	
			<i>For Work In Restricted Working Space, Add</i>	1.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500, Deduct</i>	-1.72	
26 05 29 00-0175	EA		3-1/2", One Hole Steel Conduit Strap	8.99	
			<i>For Work In Restricted Working Space, Add</i>	1.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.85	
26 05 29 00-0176	EA		4", One Hole Steel Conduit Strap.....	10.02	
			<i>For Work In Restricted Working Space, Add</i>	1.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.95	
26 05 29 00-0177			One Hole Iron Conduit Straps <small>(26 05 29 00-0165)</small>		
26 05 29 00-0178	EA		1/2", One Hole Iron Conduit Strap.....	5.38	
			<i>For Work In Restricted Working Space, Add</i>	1.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500, Deduct</i>	-1.48	
26 05 29 00-0179	EA		3/4", One Hole Iron Conduit Strap.....	5.50	
			<i>For Work In Restricted Working Space, Add</i>	1.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.50	
26 05 29 00-0180	EA		1", One Hole Iron Conduit Strap.....	5.72	
			<i>For Work In Restricted Working Space, Add</i>	1.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-1.02	
			<i>For >500, Deduct</i>	-1.52	
26 05 29 00-0181	EA		1-1/4", One Hole Iron Conduit Strap	6.26	
			<i>For Work In Restricted Working Space, Add</i>	1.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500, Deduct</i>	-1.57	
26 05 29 00-0182	EA		1-1/2", One Hole Iron Conduit Strap	6.48	
			<i>For Work In Restricted Working Space, Add</i>	1.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.59	
26 05 29 00-0183	EA		2", One Hole Iron Conduit Strap.....	7.84	
			<i>For Work In Restricted Working Space, Add</i>	1.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.73	
26 05 29 00-0184	EA		2-1/2", One Hole Iron Conduit Strap	10.77	
			<i>For Work In Restricted Working Space, Add</i>	1.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
			<i>For >50 To 100, Deduct</i>	-0.39	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-2.02	
26 05 29 00-0185	EA		3", One Hole Iron Conduit Strap.....	13.22	
			<i>For Work In Restricted Working Space, Add</i>	1.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
			<i>For >50 To 100, Deduct</i>	-0.45	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.58	
			<i>For >500, Deduct</i>	-2.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0186 EA 3-1/2", One Hole Iron Conduit Strap .....16.79		
<i>For Work In Restricted Working Space, Add</i>	1.42	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
<i>For >50 To 100, Deduct</i>	-0.54	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.63	
26 05 29 00-0187 EA 4", One Hole Iron Conduit Strap .....31.09		
<i>For Work In Restricted Working Space, Add</i>	1.42	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
<i>For >50 To 100, Deduct</i>	-0.90	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.92	
<i>For >500, Deduct</i>	-4.06	
26 05 29 00-0188 EA 5", One Hole Iron Conduit Strap .....38.78		
<i>For Work In Restricted Working Space, Add</i>	1.42	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
<i>For >50 To 100, Deduct</i>	-1.09	
<i>For >100 To 250, Deduct</i>	-2.18	
<i>For >250 To 500, Deduct</i>	-3.50	
<i>For >500, Deduct</i>	-4.82	
26 05 29 00-0189 Two Hole Steel Conduit Straps (26 05 29 00-0165) .....6.06		
26 05 29 00-0190 EA 1/2", Two Hole Steel Conduit Strap .....6.06		
<i>For Work In Restricted Working Space, Add</i>	1.60	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.53	
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.57	
<i>For >250 To 500, Deduct</i>	-1.12	
<i>For >500, Deduct</i>	-1.67	
26 05 29 00-0191 EA 3/4", Two Hole Steel Conduit Strap .....6.15		
<i>For Work In Restricted Working Space, Add</i>	1.60	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.53	
<i>For >50 To 100, Deduct</i>	-0.29	
<i>For >100 To 250, Deduct</i>	-0.57	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.68	
26 05 29 00-0192 EA 1", Two Hole Steel Conduit Strap .....6.19		
<i>For Work In Restricted Working Space, Add</i>	1.60	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.53	
<i>For >50 To 100, Deduct</i>	-0.29	
<i>For >100 To 250, Deduct</i>	-0.58	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.68	
26 05 29 00-0193 EA 1-1/4", Two Hole Steel Conduit Strap .....6.25		
<i>For Work In Restricted Working Space, Add</i>	1.60	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.53	
<i>For >50 To 100, Deduct</i>	-0.29	
<i>For >100 To 250, Deduct</i>	-0.58	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.69	
26 05 29 00-0194 EA 1-1/2", Two Hole Steel Conduit Strap .....6.29		
<i>For Work In Restricted Working Space, Add</i>	1.60	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.53	
<i>For >50 To 100, Deduct</i>	-0.29	
<i>For >100 To 250, Deduct</i>	-0.58	
<i>For >250 To 500, Deduct</i>	-1.14	
<i>For >500, Deduct</i>	-1.69	
26 05 29 00-0195 EA 2", Two Hole Steel Conduit Strap .....6.40		
<i>For Work In Restricted Working Space, Add</i>	1.60	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.53	
<i>For >50 To 100, Deduct</i>	-0.29	
<i>For >100 To 250, Deduct</i>	-0.59	
<i>For >250 To 500, Deduct</i>	-1.15	
<i>For >500, Deduct</i>	-1.70	
26 05 29 00-0196 EA 2-1/2", Two Hole Steel Conduit Strap .....6.99		
<i>For Work In Restricted Working Space, Add</i>	1.60	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.53	
<i>For >50 To 100, Deduct</i>	-0.31	
<i>For >100 To 250, Deduct</i>	-0.62	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.76	
26 05 29 00-0197 EA 3", Two Hole Steel Conduit Strap .....7.12		
<i>For Work In Restricted Working Space, Add</i>	1.60	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.53	
<i>For >50 To 100, Deduct</i>	-0.31	
<i>For >100 To 250, Deduct</i>	-0.62	
<i>For >250 To 500, Deduct</i>	-1.20	
<i>For >500, Deduct</i>	-1.78	
26 05 29 00-0198 EA 3-1/2", Two Hole Steel Conduit Strap .....7.58		
<i>For Work In Restricted Working Space, Add</i>	1.60	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.53	
<i>For >50 To 100, Deduct</i>	-0.32	
<i>For >100 To 250, Deduct</i>	-0.65	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.82	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0199 EA 4", Two Hole Steel Conduit Strap.....	7.89	
For Work In Restricted Working Space, Add	1.60	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.53	
For >50 To 100, Deduct	-0.33	
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.85	
26 05 29 00-0200 EA 5", Two Hole Steel Conduit Strap.....	8.32	
For Work In Restricted Working Space, Add	1.60	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.53	
For >50 To 100, Deduct	-0.34	
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.90	
26 05 29 00-0201 Clamp Back Spacers (26 05 29 00-0165)		
26 05 29 00-0202 EA 1/2" Conduit, Clamp Back Spacer.....	4.65	
For Work In Restricted Working Space, Add	1.11	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.21	
26 05 29 00-0203 EA 3/4" Conduit, Clamp Back Spacer.....	4.95	
For Work In Restricted Working Space, Add	1.11	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.83	
For >500, Deduct	-1.24	
26 05 29 00-0204 EA 1" Conduit, Clamp Back Spacer.....	5.22	
For Work In Restricted Working Space, Add	1.11	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.85	
For >500, Deduct	-1.26	
26 05 29 00-0205 EA 1-1/4" Conduit, Clamp Back Spacer.....	6.31	
For Work In Restricted Working Space, Add	1.11	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.94	
For >500, Deduct	-1.37	
26 05 29 00-0206 EA 1-1/2" Conduit, Clamp Back Spacer.....	7.18	
For Work In Restricted Working Space, Add	1.11	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.46	
26 05 29 00-0207 EA 2" Conduit, Clamp Back Spacer.....	8.10	
For Work In Restricted Working Space, Add	1.11	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.30	
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-1.07	
For >500, Deduct	-1.55	
26 05 29 00-0208 EA 2-1/2" Conduit, Clamp Back Spacer.....	11.83	
For Work In Restricted Working Space, Add	1.11	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.39	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.92	
26 05 29 00-0209 EA 3" Conduit, Clamp Back Spacer.....	16.28	
For Work In Restricted Working Space, Add	1.11	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.50	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.68	
For >500, Deduct	-2.37	
26 05 29 00-0210 EA 3-1/2" Conduit, Clamp Back Spacer.....	20.60	
For Work In Restricted Working Space, Add	1.11	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.61	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-2.01	
For >500, Deduct	-2.80	
26 05 29 00-0211 EA 4" Conduit, Clamp Back Spacer.....	40.90	
For Work In Restricted Working Space, Add	1.11	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-1.12	
For >100 To 250, Deduct	-2.23	
For >250 To 500, Deduct	-3.53	
For >500, Deduct	-4.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0212 EA 5" Conduit, Clamp Back Spacer.....	75.17	
<i>For Work In Restricted Working Space, Add</i>	1.11	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.03	
<i>For >50 To 100, Deduct</i>	-1.97	
<i>For >100 To 250, Deduct</i>	-3.94	
<i>For >250 To 500, Deduct</i>	-6.10	
<i>For >500, Deduct</i>	-8.26	
26 05 29 00-0213 Conduit Clips <small>(26 05 29 00-0165)</small>		
Note: Push in or clip.		
26 05 29 00-0214 EA 1/2" Conduit Clip.....	5.85	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
<i>For >50 To 100, Deduct</i>	-0.26	
<i>For >100 To 250, Deduct</i>	-0.53	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.53	
26 05 29 00-0215 EA 3/4" Conduit Clip.....	5.85	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
<i>For >50 To 100, Deduct</i>	-0.26	
<i>For >100 To 250, Deduct</i>	-0.53	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500, Deduct</i>	-1.53	
26 05 29 00-0216 EA 1" Conduit Clip.....	5.76	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
<i>For >50 To 100, Deduct</i>	-0.26	
<i>For >100 To 250, Deduct</i>	-0.52	
<i>For >250 To 500, Deduct</i>	-1.02	
<i>For >500, Deduct</i>	-1.52	
26 05 29 00-0217 EA 1-1/4" Conduit Clip.....	5.98	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.28	
<i>For >50 To 100, Deduct</i>	-0.27	
<i>For >100 To 250, Deduct</i>	-0.54	
<i>For >250 To 500, Deduct</i>	-1.04	
<i>For >500, Deduct</i>	-1.54	
26 05 29 00-0218 Bolt And Nut Conduit Clips <small>(26 05 29 00-0165)</small>		
26 05 29 00-0219 EA 3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	7.28	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.58	
<i>For >50 To 100, Deduct</i>	-0.33	
<i>For >100 To 250, Deduct</i>	-0.66	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.91	
26 05 29 00-0220 EA 1" Bolt And Nut Conduit Clip (Minerallac 2B).....	7.50	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.58	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100 To 250, Deduct</i>	-0.67	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.93	
26 05 29 00-0221 EA 1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	7.98	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.67	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100 To 250, Deduct</i>	-0.71	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-2.05	
26 05 29 00-0222 EA 1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	8.10	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.67	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100 To 250, Deduct</i>	-0.72	
<i>For >250 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-2.07	
26 05 29 00-0223 EA 2" Bolt And Nut Conduit Clip (Minerallac 5B).....	8.93	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.67	
<i>For >50 To 100, Deduct</i>	-0.38	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-2.15	
26 05 29 00-0224 EA 2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	9.65	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.76	
<i>For >50 To 100, Deduct</i>	-0.41	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-2.30	
26 05 29 00-0225 EA 3" Bolt And Nut Conduit Clip (Minerallac 7B).....	10.39	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.76	
<i>For >50 To 100, Deduct</i>	-0.43	
<i>For >100 To 250, Deduct</i>	-0.85	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-2.37	
26 05 29 00-0226 EA 4" Bolt And Nut Conduit Clip (Minerallac 9B).....	18.05	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.95	
<i>For >50 To 100, Deduct</i>	-0.64	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-2.28	
<i>For >500, Deduct</i>	-3.28	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0227 Conduit Hanger From Flange, Wire Or Rod <small>(26 05 29 00-0165)</small>		
Note: Bat wing.		
26 05 29 00-0228 EA 1/2", Conduit Hanger From Flange, Wire Or Rod 4.25		
For Installation On Concrete (Includes Drilling And Fastener), Add	0.99	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.14	
26 05 29 00-0229 EA 3/4", Conduit Hanger From Flange, Wire Or Rod 4.31		
For Installation On Concrete (Includes Drilling And Fastener), Add	0.99	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.77	
For >500, Deduct	-1.14	
26 05 29 00-0230 EA 1", Conduit Hanger From Flange, Wire Or Rod 4.47		
For Installation On Concrete (Includes Drilling And Fastener), Add	0.99	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-1.16	
26 05 29 00-0231 EA 1-1/4", Conduit Hanger From Flange, Wire Or Rod 4.89		
For Installation On Concrete (Includes Drilling And Fastener), Add	0.99	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.20	
26 05 29 00-0232 Beam Flange Clamps <small>(26 05 29 00-0165)</small>		
Note: For threaded rod, nut not required.		
26 05 29 00-0233 EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24) 6.02		
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.34	
26 05 29 00-0234 EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58) 5.92		
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.33	
26 05 29 00-0235 EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912) 6.56		
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.40	
26 05 29 00-0236 T-Bar Support Clips <small>(26 05 29 00-0165)</small>		
26 05 29 00-0237 EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95) 10.21		
For >50 To 100, Deduct	-0.44	
For >100 To 250, Deduct	-0.88	
For >250 To 500, Deduct	-1.69	
For >500, Deduct	-2.50	
26 05 29 00-0238 EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS) 9.71		
For >50 To 100, Deduct	-0.43	
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-2.45	
26 05 29 00-0239 EA 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16) 3.58		
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.50	
For >500, Deduct	-0.73	
26 05 29 00-0240 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512) 27.81		
For >50 To 100, Deduct	-0.77	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-3.37	
26 05 29 00-0241 Switch And Outlet Box Type Supports <small>(26 05 29 00-0165)</small>		
26 05 29 00-0242 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS) 7.20		
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.31	
26 05 29 00-0243 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500) 6.16		
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.83	
For >500, Deduct	-1.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0244 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	7.05	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.50	
<i>For >250 To 500, Deduct</i>	-0.90	
<i>For >500, Deduct</i>	-1.30	
26 05 29 00-0245 EA Snap On, Switch And Outlet Box Support (Caddy MSF)	4.67	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.38	
<i>For >250 To 500, Deduct</i>	-0.72	
<i>For >500, Deduct</i>	-1.06	
26 05 29 00-0246 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	4.86	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.39	
<i>For >250 To 500, Deduct</i>	-0.73	
<i>For >500, Deduct</i>	-1.08	
26 05 29 00-0247 Lighting Fixture Hanger <small>(26 05 29 00-0165)</small>		
Note: For existing or owner furnished fixtures.		
26 05 29 00-0248 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	6.94	
<i>For >50 To 100, Deduct</i>	-0.32	
<i>For >100 To 250, Deduct</i>	-0.64	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.88	
26 05 29 00-0249 PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	22.45	
<i>For >50 To 100, Deduct</i>	-0.71	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-2.42	
<i>For >500, Deduct</i>	-3.43	
26 05 29 00-0250 PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	30.60	
<i>For >50 To 100, Deduct</i>	-0.91	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-4.24	
26 05 29 00-0251 Rigid Steel Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>		
26 05 29 00-0252 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.82	
<i>For >50 To 100, Deduct</i>	-0.26	
<i>For >100 To 250, Deduct</i>	-0.51	
<i>For >250 To 500, Deduct</i>	-0.99	
<i>For >500, Deduct</i>	-1.47	
<i>For Work In Restricted Working Space, Add</i>	1.33	
26 05 29 00-0253 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.84	
<i>For >50 To 100, Deduct</i>	-0.26	
<i>For >100 To 250, Deduct</i>	-0.51	
<i>For >250 To 500, Deduct</i>	-0.99	
<i>For >500, Deduct</i>	-1.47	
<i>For Work In Restricted Working Space, Add</i>	1.33	
26 05 29 00-0254 EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.95	
<i>For >50 To 100, Deduct</i>	-0.26	
<i>For >100 To 250, Deduct</i>	-0.52	
<i>For >250 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.48	
<i>For Work In Restricted Working Space, Add</i>	1.33	
26 05 29 00-0255 EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.58	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100 To 250, Deduct</i>	-0.68	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.94	
<i>For Work In Restricted Working Space, Add</i>	1.78	
26 05 29 00-0256 EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.14	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100 To 250, Deduct</i>	-0.70	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-2.00	
<i>For Work In Restricted Working Space, Add</i>	1.78	
26 05 29 00-0257 EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.20	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100 To 250, Deduct</i>	-0.71	
<i>For >250 To 500, Deduct</i>	-1.36	
<i>For >500, Deduct</i>	-2.00	
<i>For Work In Restricted Working Space, Add</i>	1.78	
26 05 29 00-0258 EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	10.07	
<i>For >50 To 100, Deduct</i>	-0.44	
<i>For >100 To 250, Deduct</i>	-0.87	
<i>For >250 To 500, Deduct</i>	-1.68	
<i>For >500, Deduct</i>	-2.49	
<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 29 00-0259 EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	10.57	
<i>For >50 To 100, Deduct</i>	-0.45	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.72	
<i>For >500, Deduct</i>	-2.54	
<i>For Work In Restricted Working Space, Add</i>	2.22	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0260 EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	11.05	
For >50 To 100, Deduct	-0.46	
For >100 To 250, Deduct	-0.92	
For >250 To 500, Deduct	-1.75	
For >500, Deduct	-2.58	
For Work In Restricted Working Space, Add	2.22	
26 05 29 00-0261 EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	11.22	
For >50 To 100, Deduct	-0.47	
For >100 To 250, Deduct	-0.93	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.60	
For Work In Restricted Working Space, Add	2.22	
26 05 29 00-0262 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel (26 05 29		
<small>00-0165)</small>		
26 05 29 00-0263 EA 1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.19	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-1.02	
For >500, Deduct	-1.51	
For Work In Restricted Working Space, Add	1.33	
26 05 29 00-0264 EA 3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.14	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-1.02	
For >500, Deduct	-1.50	
For Work In Restricted Working Space, Add	1.33	
26 05 29 00-0265 EA 1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.09	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-1.01	
For >500, Deduct	-1.50	
For Work In Restricted Working Space, Add	1.33	
26 05 29 00-0266 EA 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	8.03	
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.99	
For Work In Restricted Working Space, Add	1.78	
26 05 29 00-0267 EA 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	9.01	
For >50 To 100, Deduct	-0.37	
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-2.09	
For Work In Restricted Working Space, Add	1.78	
26 05 29 00-0268 EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	9.06	
For >50 To 100, Deduct	-0.37	
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-2.09	
For Work In Restricted Working Space, Add	1.78	
26 05 29 00-0269 "J" Type Conduit Hangers (26 05 29 00-0165)		
26 05 29 00-0270 EA 1/2", "J" Type Conduit Hanger (Unistrut J1205)	27.45	
For >50 To 100, Deduct	-0.95	
For >100 To 250, Deduct	-1.89	
For >250 To 500, Deduct	-3.35	
For >500, Deduct	-4.82	
For Work In Restricted Working Space, Add	3.11	
26 05 29 00-0271 EA 3/4", "J" Type Conduit Hanger (Unistrut J1207)	27.75	
For >50 To 100, Deduct	-0.95	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-3.38	
For >500, Deduct	-4.85	
For Work In Restricted Working Space, Add	3.11	
26 05 29 00-0272 EA 1", "J" Type Conduit Hanger (Unistrut J1210)	29.51	
For >50 To 100, Deduct	-1.03	
For >100 To 250, Deduct	-2.07	
For >250 To 500, Deduct	-3.69	
For >500, Deduct	-5.32	
For Work In Restricted Working Space, Add	3.55	
26 05 29 00-0273 EA 1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	29.83	
For >50 To 100, Deduct	-1.04	
For >100 To 250, Deduct	-2.08	
For >250 To 500, Deduct	-3.72	
For >500, Deduct	-5.35	
For Work In Restricted Working Space, Add	3.55	
26 05 29 00-0274 EA 1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	31.52	
For >50 To 100, Deduct	-1.12	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-4.03	
For >500, Deduct	-5.81	
For Work In Restricted Working Space, Add	3.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0275 EA 2", "J" Type Conduit Hanger (Unistrut J1220).....	32.74	
<i>For >50 To 100, Deduct</i>	-1.15	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-4.12	
<i>For >500, Deduct</i>	-5.94	
<i>For Work In Restricted Working Space, Add</i>	3.99	
26 05 29 00-0276 EA 2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	51.58	
<i>For >50 To 100, Deduct</i>	-1.66	
<i>For >100 To 250, Deduct</i>	-3.32	
<i>For >250 To 500, Deduct</i>	-5.72	
<i>For >500, Deduct</i>	-8.12	
<i>For Work In Restricted Working Space, Add</i>	4.44	
26 05 29 00-0277 EA 3", "J" Type Conduit Hanger (Unistrut J1230).....	54.89	
<i>For >50 To 100, Deduct</i>	-1.78	
<i>For >100 To 250, Deduct</i>	-3.56	
<i>For >250 To 500, Deduct</i>	-6.15	
<i>For >500, Deduct</i>	-8.74	
<i>For Work In Restricted Working Space, Add</i>	4.88	
26 05 29 00-0278 EA 3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	59.12	
<i>For >50 To 100, Deduct</i>	-1.92	
<i>For >100 To 250, Deduct</i>	-3.84	
<i>For >250 To 500, Deduct</i>	-6.65	
<i>For >500, Deduct</i>	-9.46	
<i>For Work In Restricted Working Space, Add</i>	5.33	
26 05 29 00-0279 EA 4", "J" Type Conduit Hanger (Unistrut J1240).....	77.96	
<i>For >50 To 100, Deduct</i>	-2.39	
<i>For >100 To 250, Deduct</i>	-4.79	
<i>For >250 To 500, Deduct</i>	-8.07	
<i>For >500, Deduct</i>	-11.35	
<i>For Work In Restricted Working Space, Add</i>	5.33	
26 05 29 00-0280 EA 5", "J" Type Conduit Hanger (Unistrut J1250).....	85.61	
<i>For >50 To 100, Deduct</i>	-2.62	
<i>For >100 To 250, Deduct</i>	-5.24	
<i>For >250 To 500, Deduct</i>	-8.82	
<i>For >500, Deduct</i>	-12.41	
<i>For Work In Restricted Working Space, Add</i>	5.77	
26 05 29 00-0281 EA 6", "J" Type Conduit Hanger (Unistrut J1260).....	120.14	
<i>For >50 To 100, Deduct</i>	-3.56	
<i>For >100 To 250, Deduct</i>	-7.12	
<i>For >250 To 500, Deduct</i>	-11.78	
<i>For >500, Deduct</i>	-16.45	
<i>For Work In Restricted Working Space, Add</i>	6.66	
26 05 29 00-0282 Between Studs Box Brackets <small>(26 05 29 00-0165)</small>		
26 05 29 00-0283 EA 16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	9.98	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100 To 250, Deduct</i>	-0.72	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.89	
<i>For Work In Restricted Working Space, Add</i>	1.33	
26 05 29 00-0284 EA 24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	11.90	
<i>For >50 To 100, Deduct</i>	-0.41	
<i>For >100 To 250, Deduct</i>	-0.82	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-2.08	
<i>For Work In Restricted Working Space, Add</i>	1.33	
26 05 29 00-0285 Hangers And Brackets <small>(26 05 29 00-0165)</small>		
26 05 29 00-0286 EA Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	3.69	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.33	
<i>For >250 To 500, Deduct</i>	-0.65	
<i>For >500, Deduct</i>	-0.96	
26 05 29 00-0287 EA Angle Bracket Only With 1/4" Hole (Caddy AB)	3.58	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.33	
<i>For >250 To 500, Deduct</i>	-0.64	
<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0288 EA Offset Bracket Only With 1/4" Hole (Caddy AO)	3.58	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.33	
<i>For >250 To 500, Deduct</i>	-0.64	
<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0289 EA Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	4.73	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.38	
<i>For >250 To 500, Deduct</i>	-0.72	
<i>For >500, Deduct</i>	-1.07	
26 05 29 00-0290 EA Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	4.75	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.39	
<i>For >250 To 500, Deduct</i>	-0.73	
<i>For >500, Deduct</i>	-1.07	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0291	EA		Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	4.62	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-1.05	
26 05 29 00-0292	EA		Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	4.73	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-1.07	
26 05 29 00-0293	EA		Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	4.75	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500, Deduct</i>	-1.07	
26 05 29 00-0294			Clips And Accessories <small>(26 05 29 00-0165)</small>		
26 05 29 00-0295	EA		1/2" Diameter Center, Bridle Ring (Caddy 2BR).....	2.49	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500, Deduct</i>	-0.62	
26 05 29 00-0296	EA		3/4" Diameter Center, Bridle Ring (Caddy 2BR12).....	2.53	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500, Deduct</i>	-0.62	
26 05 29 00-0297	EA		1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	2.70	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.43	
			<i>For >500, Deduct</i>	-0.64	
26 05 29 00-0298	EA		2" Diameter Center, Bridle Ring (Caddy 2BR32).....	3.07	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500, Deduct</i>	-0.68	
26 05 29 00-0299			Wire Ties <small>(26 05 29 00-0165)</small>		
			Note: Per hundred (C).		
26 05 29 00-0300	C		3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	36.36	
			<i>For Up To 0.1, Add</i>	30.86	
			<i>For >0.1 To 0.25, Add</i>	15.43	
			<i>For >0.25 To 0.75, Add</i>	7.72	
			<i>For >2.0, Deduct</i>	-3.09	
			<i>For UV Black, Add</i>	0.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.26	
26 05 29 00-0301	C		4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	36.58	
			<i>For Up To 0.1, Add</i>	30.86	
			<i>For >0.1 To 0.25, Add</i>	15.43	
			<i>For >0.25 To 0.75, Add</i>	7.72	
			<i>For >2.0, Deduct</i>	-3.09	
			<i>For UV Black, Add</i>	0.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.26	
26 05 29 00-0302	C		4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	36.72	
			<i>For Up To 0.1, Add</i>	30.86	
			<i>For >0.1 To 0.25, Add</i>	15.43	
			<i>For >0.25 To 0.75, Add</i>	7.72	
			<i>For >2.0, Deduct</i>	-3.09	
			<i>For UV Black, Add</i>	0.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.26	
26 05 29 00-0303	C		5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	36.79	
			<i>For Up To 0.1, Add</i>	30.86	
			<i>For >0.1 To 0.25, Add</i>	15.43	
			<i>For >0.25 To 0.75, Add</i>	7.72	
			<i>For >2.0, Deduct</i>	-3.09	
			<i>For UV Black, Add</i>	0.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.26	
26 05 29 00-0304	C		6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	38.18	
			<i>For Up To 0.1, Add</i>	32.19	
			<i>For >0.1 To 0.25, Add</i>	16.10	
			<i>For >0.25 To 0.75, Add</i>	8.05	
			<i>For >2.0, Deduct</i>	-3.22	
			<i>For UV Black, Add</i>	0.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66	
26 05 29 00-0305	C		8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	44.30	
			<i>For Up To 0.1, Add</i>	33.66	
			<i>For >0.1 To 0.25, Add</i>	16.83	
			<i>For >0.25 To 0.75, Add</i>	8.42	
			<i>For >2.0, Deduct</i>	-3.37	
			<i>For UV Black, Add</i>	1.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0306 C 4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	42.27	
For Up To 0.1, Add	30.86	
For >0.1 To 0.25, Add	15.43	
For >0.25 To 0.75, Add	7.72	
For >2.0, Deduct	-3.09	
For UV Black, Add	1.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	
26 05 29 00-0307 C 6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	43.69	
For Up To 0.1, Add	32.19	
For >0.1 To 0.25, Add	16.10	
For >0.25 To 0.75, Add	8.05	
For >2.0, Deduct	-3.22	
For UV Black, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.66	
26 05 29 00-0308 C 8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	45.22	
For Up To 0.1, Add	33.66	
For >0.1 To 0.25, Add	16.83	
For >0.25 To 0.75, Add	8.42	
For >2.0, Deduct	-3.37	
For UV Black, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.10	
26 05 29 00-0309 C 10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	62.96	
For Up To 0.1, Add	36.30	
For >0.1 To 0.25, Add	18.15	
For >0.25 To 0.75, Add	9.08	
For >2.0, Deduct	-3.63	
For UV Black, Add	4.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	
26 05 29 00-0310 C 11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	65.37	
For Up To 0.1, Add	36.30	
For >0.1 To 0.25, Add	18.15	
For >0.25 To 0.75, Add	9.08	
For >2.0, Deduct	-3.63	
For UV Black, Add	4.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	
26 05 29 00-0311 C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	46.90	
For Up To 0.1, Add	33.66	
For >0.1 To 0.25, Add	16.83	
For >0.25 To 0.75, Add	8.42	
For >2.0, Deduct	-3.37	
For UV Black, Add	1.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.10	
26 05 29 00-0312 C 8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	44.77	
For Up To 0.1, Add	33.66	
For >0.1 To 0.25, Add	16.83	
For >0.25 To 0.75, Add	8.42	
For >2.0, Deduct	-3.37	
For UV Black, Add	1.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.10	
26 05 29 00-0313 C 11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	63.62	
For Up To 0.1, Add	36.30	
For >0.1 To 0.25, Add	18.15	
For >0.25 To 0.75, Add	9.08	
For >2.0, Deduct	-3.63	
For UV Black, Add	4.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	
26 05 29 00-0314 C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	72.16	
For Up To 0.1, Add	38.57	
For >0.1 To 0.25, Add	19.29	
For >0.25 To 0.75, Add	9.64	
For >2.0, Deduct	-3.86	
For UV Black, Add	5.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.57	
26 05 29 00-0315 C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	69.70	
For Up To 0.1, Add	33.66	
For >0.1 To 0.25, Add	16.83	
For >0.25 To 0.75, Add	8.42	
For >2.0, Deduct	-3.37	
For UV Black, Add	5.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.10	
26 05 29 00-0316 C 11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	76.20	
For Up To 0.1, Add	36.30	
For >0.1 To 0.25, Add	18.15	
For >0.25 To 0.75, Add	9.08	
For >2.0, Deduct	-3.63	
For UV Black, Add	5.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	
26 05 29 00-0317 C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	91.06	
For Up To 0.1, Add	38.57	
For >0.1 To 0.25, Add	19.29	
For >0.25 To 0.75, Add	9.64	
For >2.0, Deduct	-3.86	
For UV Black, Add	7.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.57	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0318 C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties	127.13	
For Up To 0.1, Add	41.14	
For >0.1 To 0.25, Add	20.57	
For >0.25 To 0.75, Add	10.29	
For >2.0, Deduct	-4.11	
For UV Black, Add	12.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.34	
26 05 29 00-0319 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties	123.46	
For Up To 0.1, Add	41.14	
For >0.1 To 0.25, Add	20.57	
For >0.25 To 0.75, Add	10.29	
For >2.0, Deduct	-4.11	
For UV Black, Add	12.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.34	
26 05 29 00-0320 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties	148.84	
For Up To 0.1, Add	43.06	
For >0.1 To 0.25, Add	21.53	
For >0.25 To 0.75, Add	10.77	
For >2.0, Deduct	-4.31	
For UV Black, Add	15.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.92	
26 05 29 00-0321 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties	171.24	
For Up To 0.1, Add	45.15	
For >0.1 To 0.25, Add	22.58	
For >0.25 To 0.75, Add	11.29	
For >2.0, Deduct	-4.52	
For UV Black, Add	18.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.55	
26 05 29 00-0322 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties	231.91	
For Up To 0.1, Add	48.71	
For >0.1 To 0.25, Add	24.36	
For >0.25 To 0.75, Add	12.18	
For >2.0, Deduct	-4.87	
For UV Black, Add	27.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.61	
26 05 29 00-0323 C 3/4" x 3/4" Self Adhesive Tie Mounts	48.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.89	
26 05 29 00-0324 C 1.1" x 1.1" Tie Mounts With Screw	97.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.77	
26 05 29 00-0325 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie	2.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.22	
26 05 29 00-0326 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie	2.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.19	
26 05 29 00-0327 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie	2.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.19	
26 05 29 00-0328 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie	4.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.19	
26 05 29 00-0329 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	103.90	
Note: Cut to length.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.39	
26 05 29 00-0330 Fastening Devices For Wireway And Conduit <small>(26 05 29)</small>		
Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.		
26 05 29 00-0331 Toggle Bolts <small>(26 05 29 00-0330)</small>		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0332 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	11.23	
For >50 To 100, Deduct	-1.09	
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-3.82	
For >500, Deduct	-5.45	
26 05 29 00-0333 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	11.52	
For >50 To 100, Deduct	-1.12	
For >100 To 250, Deduct	-2.24	
For >250 To 500, Deduct	-3.91	
For >500, Deduct	-5.58	
26 05 29 00-0334 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	12.02	
For >50 To 100, Deduct	-1.15	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-4.02	
For >500, Deduct	-5.74	
26 05 29 00-0335 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	12.31	
For >50 To 100, Deduct	-1.18	
For >100 To 250, Deduct	-2.36	
For >250 To 500, Deduct	-4.12	
For >500, Deduct	-5.88	
26 05 29 00-0336 EA 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	12.60	
For >50 To 100, Deduct	-1.21	
For >100 To 250, Deduct	-2.41	
For >250 To 500, Deduct	-4.21	
For >500, Deduct	-6.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0337 EA 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	13.76	
<i>For >50 To 100, Deduct</i>	-1.26	
<i>For >100 To 250, Deduct</i>	-2.51	
<i>For >250 To 500, Deduct</i>	-4.38	
<i>For >500, Deduct</i>	-6.24	
26 05 29 00-0338 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	14.24	
<i>For >50 To 100, Deduct</i>	-1.29	
<i>For >100 To 250, Deduct</i>	-2.58	
<i>For >250 To 500, Deduct</i>	-4.49	
<i>For >500, Deduct</i>	-6.40	
26 05 29 00-0339 Machine Screws <small>(26 05 29 00-0330)</small>		
Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340 EA #8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.35	
<i>For >50 To 100, Deduct</i>	-0.33	
<i>For >100 To 250, Deduct</i>	-0.66	
<i>For >250 To 500, Deduct</i>	-1.15	
<i>For >500, Deduct</i>	-1.65	
26 05 29 00-0341 EA #10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.38	
<i>For >50 To 100, Deduct</i>	-0.33	
<i>For >100 To 250, Deduct</i>	-0.66	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.65	
26 05 29 00-0342 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	4.25	
<i>For >50 To 100, Deduct</i>	-0.42	
<i>For >100 To 250, Deduct</i>	-0.83	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-2.07	
26 05 29 00-0343 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	4.37	
<i>For >50 To 100, Deduct</i>	-0.42	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-2.09	
26 05 29 00-0344 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	5.32	
<i>For >50 To 100, Deduct</i>	-0.50	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.50	
26 05 29 00-0345 Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0330)</small>		
Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	4.99	
<i>For >50 To 100, Deduct</i>	-0.43	
<i>For >100 To 250, Deduct</i>	-0.87	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-2.15	
26 05 29 00-0347 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	4.95	
<i>For >50 To 100, Deduct</i>	-0.43	
<i>For >100 To 250, Deduct</i>	-0.87	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-2.14	
26 05 29 00-0348 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	6.65	
<i>For >50 To 100, Deduct</i>	-0.54	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.63	
26 05 29 00-0349 EA 1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	8.27	
<i>For >50 To 100, Deduct</i>	-0.64	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-2.19	
<i>For >500, Deduct</i>	-3.12	
26 05 29 00-0350 Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0330)</small>		
Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.81	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100 To 250, Deduct</i>	-0.68	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.69	
26 05 29 00-0352 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.85	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100 To 250, Deduct</i>	-0.68	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.70	
26 05 29 00-0353 EA 3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	4.47	
<i>For >50 To 100, Deduct</i>	-0.39	
<i>For >100 To 250, Deduct</i>	-0.77	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.91	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0354			Hollow Wall Screw Anchors <small>(26 05 29 00-0330)</small>		
26 05 29 00-0355	EA		6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.26	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500, Deduct</i>	-1.01	
26 05 29 00-0356	EA		6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.30	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500, Deduct</i>	-1.02	
26 05 29 00-0357	EA		6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.38	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-1.03	
26 05 29 00-0358	EA		10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.93	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.21	
26 05 29 00-0359	EA		10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.03	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.22	
26 05 29 00-0360	EA		10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.06	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.22	
26 05 29 00-0361	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.08	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.22	
26 05 29 00-0362	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.22	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.24	
26 05 29 00-0363	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.28	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.88	
			<i>For >500, Deduct</i>	-1.24	
26 05 29 00-0364			Lead Screw Anchors <small>(26 05 29 00-0330)</small>		
			Note: Includes screw.		
26 05 29 00-0365	EA		#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	5.42	
			<i>For >50 To 100, Deduct</i>	-0.51	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.56	
26 05 29 00-0366	EA		#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	6.38	
			<i>For >50 To 100, Deduct</i>	-0.60	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.97	
26 05 29 00-0367	EA		#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	8.45	
			<i>For >50 To 100, Deduct</i>	-0.77	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-2.67	
			<i>For >500, Deduct</i>	-3.81	
26 05 29 00-0368			Acoustical T-Bar Clips <small>(26 05 29 00-0330)</small>		
			Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0369	EA		1/2" Conduit, Push-In Acoustical T-Bar Clip	8.44	
			<i>For >50 To 100, Deduct</i>	-0.68	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-2.36	
			<i>For >500, Deduct</i>	-3.36	
26 05 29 00-0370	EA		3/4" Conduit, Push-In Acoustical T-Bar Clip	8.87	
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-2.49	
			<i>For >500, Deduct</i>	-3.54	
26 05 29 00-0371	EA		1" Conduit, Push-In Acoustical T-Bar Clip	9.59	
			<i>For >50 To 100, Deduct</i>	-0.76	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-2.64	
			<i>For >500, Deduct</i>	-3.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0372	Threaded Rod, Accessories And Attachments (26 05 29)	
26 05 29 00-0373	Threaded Rod And Rod Accessories (26 05 29 00-0372)	
26 05 29 00-0374	Carbon Steel Threaded Rod (26 05 29 00-0373) Note: Includes plain finish.	
26 05 29 00-0375	LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 3.63	0.93
	For Galvanized, Add 0.71	
	For Zinc Coated, Add 0.50	
26 05 29 00-0376	LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 4.79	0.99
	For Galvanized, Add 1.13	
	For Zinc Coated, Add 0.80	
26 05 29 00-0377	LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 6.41	1.02
	For Galvanized, Add 1.74	
	For Zinc Coated, Add 1.24	
26 05 29 00-0378	LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 10.04	1.05
	For Galvanized, Add 3.17	
	For Zinc Coated, Add 2.26	
26 05 29 00-0379	LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 10.89	1.09
	For Galvanized, Add 3.48	
	For Zinc Coated, Add 2.48	
26 05 29 00-0380	LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 14.70	1.23
	For Galvanized, Add 4.89	
	For Zinc Coated, Add 3.49	
26 05 29 00-0381	LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 18.17	1.37
	For Galvanized, Add 6.17	
	For Zinc Coated, Add 4.40	
26 05 29 00-0382	Threaded Rod Couplings (26 05 29 00-0373)	
26 05 29 00-0383	EA 3/8" Diameter, Threaded Rod Coupling Nut..... 11.08	
26 05 29 00-0384	EA 1/2" Diameter, Threaded Rod Coupling Nut..... 12.48	
26 05 29 00-0385	EA 5/8" Diameter, Threaded Rod Coupling Nut..... 15.03	
26 05 29 00-0386	EA 3/4" Diameter, Threaded Rod Coupling Nut..... 17.68	
26 05 29 00-0387	EA 7/8" Diameter, Threaded Rod Coupling Nut..... 23.90	
26 05 29 00-0388	EA 1" Diameter, Threaded Rod Coupling Nut..... 28.29	
26 05 29 00-0389	EA 1-1/8" Diameter, Threaded Rod Coupling Nut 48.56	
26 05 29 00-0390	Flat Washers (26 05 29 00-0373)	
26 05 29 00-0391	EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer 0.95	0.37
	For Galvanized, Add 0.03	
26 05 29 00-0392	EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer 1.15	0.37
	For Galvanized, Add 0.06	
26 05 29 00-0393	EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer 1.41	0.37
	For Galvanized, Add 0.11	
26 05 29 00-0394	EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer 1.67	0.74
	For Galvanized, Add 0.16	
26 05 29 00-0395	EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer 1.85	0.74
	For Galvanized, Add 0.19	
26 05 29 00-0396	EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer 2.17	0.74
	For Galvanized, Add 0.24	
26 05 29 00-0397	EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer 2.43	0.74
	For Galvanized, Add 0.27	
26 05 29 00-0398	Malleable Iron Eye Sockets (26 05 29 00-0373) Note: Type 16.	
26 05 29 00-0399	EA 3/8" Rod Size, Malleable Iron Eye Socket..... 12.29	
26 05 29 00-0400	EA 1/2" Rod Size, Malleable Iron Eye Socket..... 14.61	
26 05 29 00-0401	EA 5/8" Rod Size, Malleable Iron Eye Socket..... 24.87	
26 05 29 00-0402	EA 3/4" Rod Size, Malleable Iron Eye Socket..... 35.12	
26 05 29 00-0403	EA 7/8" Rod Size, Malleable Iron Eye Socket..... 37.48	
26 05 29 00-0404	Hex Nuts (26 05 29 00-0373)	
26 05 29 00-0405	EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut 0.93	0.37
	For Galvanized, Add 0.02	
26 05 29 00-0406	EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut 1.12	0.37
	For Galvanized, Add 0.05	
26 05 29 00-0407	EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut 1.42	0.37
	For Galvanized, Add 0.11	
26 05 29 00-0408	EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut 1.63	0.74
	For Galvanized, Add 0.15	
26 05 29 00-0409	EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut 2.22	0.74
	For Galvanized, Add 0.28	
26 05 29 00-0410	EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut 2.76	0.74
	For Galvanized, Add 0.38	
26 05 29 00-0411	EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut 4.26	0.74
	For Galvanized, Add 0.72	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0412 Forged Steel Turnbuckles (26 05 29 00-0373) Note: Type 13.		
26 05 29 00-0413 EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body.....	30.64	
26 05 29 00-0414 EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body.....	37.47	
26 05 29 00-0415 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body.....	49.48	
26 05 29 00-0416 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body.....	60.89	
26 05 29 00-0417 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body.....	144.40	
26 05 29 00-0418 EA 1" Thread Diameter, Forged Steel Turnbuckle Body.....	98.74	
26 05 29 00-0419 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body.....	194.04	
26 05 29 00-0420 Attachments (26 05 29 00-0372)		
26 05 29 00-0421 Welded Beam Attachments (26 05 29 00-0420) Note: Type 22.		
26 05 29 00-0422 EA 3/8" Rod Size, Welded Beam Attachment.....	56.74	14.79
26 05 29 00-0423 EA 1/2" Rod Size, Welded Beam Attachment.....	60.43	15.53
26 05 29 00-0424 EA 5/8" Rod Size, Welded Beam Attachment.....	64.27	16.42
26 05 29 00-0425 EA 3/4" Rod Size, Welded Beam Attachment.....	80.28	17.45
26 05 29 00-0426 EA 7/8" Rod Size, Welded Beam Attachment.....	95.17	18.48
26 05 29 00-0427 EA 1" Rod Size, Welded Beam Attachment.....	131.11	21.15
26 05 29 00-0428 EA 1-1/8" Rod Size, Welded Beam Attachment.....	181.93	22.19
26 05 29 00-0429 C-Clamp Style Beam Clamps (26 05 29 00-0420) Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430 EA 3/8" Rod Size, C-Clamp Style Beam Clamp.....	21.83	11.11
26 05 29 00-0431 EA 1/2" Rod Size, C-Clamp Style Beam Clamp.....	25.49	11.85
26 05 29 00-0432 EA 5/8" Rod Size, C-Clamp Style Beam Clamp.....	28.64	12.69
26 05 29 00-0433 EA 3/4" Rod Size, C-Clamp Style Beam Clamp.....	35.75	13.67
26 05 29 00-0434 EA 7/8" Rod Size, C-Clamp Style Beam Clamp.....	49.89	14.81
26 05 29 00-0435 Bottom Mount I-Beam Clamps (26 05 29 00-0420) Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	53.85	14.81
26 05 29 00-0437 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	76.89	16.16
26 05 29 00-0438 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	107.75	17.78
26 05 29 00-0439 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	128.36	19.74
26 05 29 00-0440 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	300.59	22.22
26 05 29 00-0441 Steel U-Bolts (26 05 29 00-0420) Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442 EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	17.73	8.89
26 05 29 00-0443 EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt.....	19.13	9.35
26 05 29 00-0444 EA 1" Pipe Size, Zinc Plated Steel, U-Bolt.....	20.50	9.87
26 05 29 00-0445 EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt.....	23.00	10.45
26 05 29 00-0446 EA 1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	23.88	11.11
26 05 29 00-0447 EA 2" Pipe Size, Zinc Plated Steel, U-Bolt.....	25.53	11.85
26 05 29 00-0448 EA 2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	35.05	12.69
26 05 29 00-0449 EA 3" Pipe Size, Zinc Plated Steel, U-Bolt.....	38.50	13.67
26 05 29 00-0450 EA 4" Pipe Size, Zinc Plated Steel, U-Bolt.....	45.84	14.81
26 05 29 00-0451 Stainless Steel Threaded Rod (26 05 29 00-0372)		
26 05 29 00-0452 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	3.48	0.74
For 316 Stainless Steel, Add	0.81	
26 05 29 00-0453 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	5.05	0.81
For 316 Stainless Steel, Add	1.39	
26 05 29 00-0454 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	6.42	0.93
For 316 Stainless Steel, Add	1.85	
26 05 29 00-0455 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	8.69	0.95
For 316 Stainless Steel, Add	2.75	
26 05 29 00-0456 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	10.33	0.99
For 316 Stainless Steel, Add	3.39	
26 05 29 00-0457 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	15.18	1.00
For 316 Stainless Steel, Add	5.33	
26 05 29 00-0458 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	21.00	1.02
For 316 Stainless Steel, Add	7.67	
26 05 29 00-0459 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	28.66	1.05
For 316 Stainless Steel, Add	10.75	
26 05 29 00-0460 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	36.75	1.23
For 316 Stainless Steel, Add	13.88	
26 05 29 00-0461 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	77.11	1.48
For 316 Stainless Steel, Add	29.98	
26 05 29 00-0462 Polyvinyl Chloride (PVC) Coated Supports (26 05 29) Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0463 Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0462)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0464				Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)		
	EA			1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	75.98	29.58
	EA			3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	82.60	32.24
	EA			1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	88.32	35.49
	EA			1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	105.38	39.49
	EA			1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	121.51	44.37
	EA			2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	144.58	48.81
	EA			2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	158.08	53.25
	EA			3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	173.92	57.68
	EA			3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	183.89	62.12
	EA			4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	198.65	66.56
26 05 29 00-0475				Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)		
	EA			1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	81.13	29.58
	EA			3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	86.09	32.24
	EA			1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	98.77	35.49
	EA			1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	109.09	39.49
	EA			1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	122.95	44.37
	EA			2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	142.12	48.81
	EA			2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	162.74	53.25
	EA			3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	180.09	57.68
	EA			3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	191.65	62.12
	EA			4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	199.68	66.56
26 05 29 00-0486				Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)		
	EA			1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	76.88	29.28
	EA			3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	82.76	31.95
	EA			1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	93.57	35.49
	EA			1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	109.30	39.05
	EA			1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	141.21	44.37
	EA			2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	154.85	48.81
26 05 29 00-0493				Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0462)		
26 05 29 00-0494				One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)		
	EA			1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.81	0.89
	EA			3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.56	0.89
	EA			1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	13.97	0.89
	EA			1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.94	0.89
	EA			1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	22.24	0.89
	EA			2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	33.31	0.89
	EA			2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	44.31	0.89
	EA			3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	59.30	0.89
	EA			3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	104.81	0.89
	EA			4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	111.37	0.89
26 05 29 00-0505				Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)		
	EA			1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.38	1.77
	EA			3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.45	1.77
	EA			1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.90	1.77
	EA			1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	22.43	1.77
	EA			1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	23.05	1.77
	EA			2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	26.40	1.77
	EA			2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	29.64	1.77
	EA			3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.98	1.77
	EA			3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	33.06	1.77
	EA			4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	35.83	1.77
26 05 29 00-0516				Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0462)		
26 05 29 00-0517				Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0516)		
	EA			1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	15.79	1.77
	EA			3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	18.32	1.77
	EA			1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	22.95	1.77
	EA			1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	26.79	1.77
	EA			1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	35.76	1.77
	EA			2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	51.00	1.77
	EA			2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	87.34	1.77
	EA			3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	119.15	1.77
	EA			3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	208.31	1.77
	EA			4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	208.31	1.77
26 05 29 00-0528				Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0462)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0529 Polyvinyl Chloride (PVC) Coated Threaded Rod <small>(26 05 29 00-0528)</small>		
26 05 29 00-0530 LF 3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	10.88	1.18
26 05 29 00-0531 LF 1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	13.37	1.33
26 05 29 00-0532 Attachments <small>(26 05 29 00-0462)</small>		
26 05 29 00-0533 Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts <small>(26 05 29 00-0532)</small>		
26 05 29 00-0534 EA 1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	22.44	8.89
26 05 29 00-0535 EA 3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	23.22	9.33
26 05 29 00-0536 EA 1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	24.45	9.92
26 05 29 00-0537 EA 1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	26.02	10.51
26 05 29 00-0538 EA 1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	27.70	11.11
26 05 29 00-0539 EA 2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	31.01	11.85
26 05 29 00-0540 EA 2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	43.93	12.74
26 05 29 00-0541 EA 3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	46.14	13.62
26 05 29 00-0542 EA 4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	49.24	14.81
26 05 29 00-0543 EA 5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	78.92	16.88
26 05 29 00-0544 EA 6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	97.55	19.55
26 05 29 00-0545 Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps <small>(26 05 29 00-0532)</small>		
26 05 29 00-0546 EA 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	77.65	29.28
26 05 29 00-0547 EA 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	89.91	29.28
26 05 29 00-0548 EA 3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	94.96	29.28
26 05 29 00-0549 EA 1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	104.53	31.06
26 05 29 00-0550 EA 1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	122.23	35.49
26 05 29 00-0551 Polyvinyl Chloride (PVC) Coated Pipe Straps <small>(26 05 29 00-0532)</small>		
Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0552 EA 1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	25.90	9.76
26 05 29 00-0553 EA 3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	27.40	10.65
26 05 29 00-0554 EA 1" Polyvinyl Chloride (PVC) Coated Pipe Strap	29.82	11.54
26 05 29 00-0555 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	33.71	13.31
26 05 29 00-0556 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	38.52	15.09
26 05 29 00-0557 EA 2" Polyvinyl Chloride (PVC) Coated Pipe Strap	42.48	15.97
26 05 29 00-0558 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	46.99	17.75
26 05 29 00-0559 EA 3" Polyvinyl Chloride (PVC) Coated Pipe Strap	55.21	19.53
26 05 29 00-0560 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	59.97	20.41
26 05 29 00-0561 EA 4" Polyvinyl Chloride (PVC) Coated Pipe Strap	63.32	22.19
26 05 29 00-0562 EA 5" Polyvinyl Chloride (PVC) Coated Pipe Strap	68.15	24.84
26 05 29 00-0563 Polyvinyl Chloride (PVC) Coated Channel <small>(26 05 29 00-0462)</small>		
26 05 29 00-0564 LF A12, Polyvinyl Chloride (PVC) Coated Channel.....	24.41	4.44
26 05 29 00-0565 LF A12A, Polyvinyl Chloride (PVC) Coated Channel.....	42.51	6.21
26 05 29 00-0566 LF A12P, Polyvinyl Chloride (PVC) Coated Channel.....	25.93	4.44
26 05 29 00-0567 LF C14, Polyvinyl Chloride (PVC) Coated Channel.....	19.72	4.44
26 05 29 00-0568 LF C14P, Polyvinyl Chloride (PVC) Coated Channel.....	20.66	4.44
26 05 29 00-0569 Polymer Concrete Pads <small>(26 05 29)</small>		
Note: Excludes excavation and backfill.		
26 05 29 00-0570 Polymer Concrete, Box Pads <small>(26 05 29 00-0569)</small>		
26 05 29 00-0571 EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,321.03	121.36
26 05 29 00-0572 EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	1,365.59	121.36
26 05 29 00-0573 EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	1,775.04	121.36
26 05 29 00-0574 EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,842.93	121.36
26 05 29 00-0575 EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,711.85	121.36
26 05 29 00-0576 EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	2,032.45	121.36
26 05 29 00-0577 EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	2,278.27	121.36
26 05 29 00-0578 EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	2,178.17	151.70
26 05 29 00-0579 EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	3,326.77	151.70
26 05 29 00-0580 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	4,481.05	151.70
26 05 29 00-0581 Polymer Concrete, Telecommunications Equipment Pads <small>(26 05 29 00-0569)</small>		
26 05 29 00-0582 EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	633.19	64.55
26 05 29 00-0583 EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	754.91	64.55
26 05 29 00-0584 EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	979.99	91.01
26 05 29 00-0585 EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,025.23	91.01
26 05 29 00-0586 EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,485.75	91.01
26 05 29 00-0587 EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,549.75	91.01
26 05 29 00-0588 EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,669.01	91.01
26 05 29 00-0589 EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,669.01	91.01
26 05 29 00-0590 EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,167.31	91.01
26 05 29 00-0591 EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,594.83	91.01



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0592			Polymer Concrete, Electrical Equipment Pads <small>(26 05 29 00-0592)</small>		
26 05 29 00-0593	EA		24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	375.39	64.55
26 05 29 00-0594	EA		24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	406.68	64.55
26 05 29 00-0595	EA		24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	435.18	64.55
26 05 29 00-0596	EA		24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	529.87	64.55
26 05 29 00-0597	EA		40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	487.61	64.55
26 05 29 00-0598	EA		42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	507.52	64.55
26 05 29 00-0599	EA		48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	559.14	64.55
26 05 29 00-0600	EA		48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	589.25	64.55
26 05 29 00-0601	EA		54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	689.81	64.55
26 05 29 00-0602	EA		56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	855.45	64.55
26 05 29 00-0603	EA		64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,263.88	91.01
26 05 29 00-0604	EA		66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,324.43	91.01
26 05 29 00-0605	EA		75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,343.52	91.01
26 05 29 00-0606	EA		90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,470.79	91.01
26 05 29 00-0607	EA		84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,173.06	91.01
26 05 29 00-0608	EA		96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,743.24	91.01

26 05 33 Raceway and Boxes for Electrical Systems (26 05)

26 05 33 13 Conduit for Electrical Systems (26 05 33)

26 05 33 13-0001 Conduit Assemblies With Wire (26 05 33 13)

Note: Includes conduit, fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies (26 05 33 13-0001)

Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0547 for larger copper conductor, 26 05 33 13-0598 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	.....	1,104.07	330.29
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>		283.15	
		<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>		2.03	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	.....	1,205.45	358.67
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>		307.47	
		<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>		3.04	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	.....	1,306.81	387.05
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>		331.80	
		<i>For 4 #12 THWN Conductor Instead Of THHN, Add</i>		4.06	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	.....	1,165.00	344.48
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>		295.31	
		<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>		3.04	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	.....	1,290.07	377.59
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>		323.69	
		<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>		4.56	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	.....	1,301.40	372.86
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>		319.64	
		<i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>		5.30	
26 05 33 13-0009	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	.....	1,230.74	356.10
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>		305.20	
		<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>		2.03	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	.....	1,332.12	384.48
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>		329.53	
		<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>		3.04	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	.....	1,433.48	412.86
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>		353.85	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,534.84 378.18 5.07	441.24
26 05 33	13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,291.66 317.36 3.04	370.29
26 05 33	13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,416.73 345.74 4.56	403.40
26 05 33	13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,541.80 374.12 6.08	436.51
26 05 33	13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,666.87 402.50 7.60	469.62
26 05 33	13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,602.72 378.18 7.95	441.24
26 05 33	13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,777.38 414.67 10.61	483.81
26 05 33	13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,601.01 366.02 8.77	427.05
26 05 33	13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,837.35 410.61 13.15	479.08
26 05 33	13-0021	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,408.24 328.55 2.03	383.26
26 05 33	13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,509.61 352.88 3.04	411.64
26 05 33	13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,610.97 377.21	440.02
26 05 33	13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,712.34 401.53 5.07	468.39
26 05 33	13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,469.15 340.72 3.04	397.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0026 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,594.22 369.10 4.56	430.56
26 05 33 13-0027 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,719.29 397.48 6.08	463.66
26 05 33 13-0028 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,844.36 425.86 7.60	496.77
26 05 33 13-0029 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,780.22 401.53 7.95	468.39
26 05 33 13-0030 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	2,014.85 433.97 13.15	506.23
26 05 33 13-0031 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	2,251.18 478.56 17.54	558.27
26 05 33 13-0032 Rigid Galvanized Steel (RGS) Conduit Assemblies <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0547 for larger copper conductor, 26 05 33 13-0059 for larger RGS conduit.		
26 05 33 13-0033 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,457.61 322.23 2.03	375.96
26 05 33 13-0034 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,558.98 346.55 3.04	404.34
26 05 33 13-0035 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,518.53 334.39 3.04	390.15
26 05 33 13-0036 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,643.60 362.77 4.56	423.26
26 05 33 13-0037 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	1,654.94 358.72 5.30	418.53
26 05 33 13-0038 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,604.48 343.64 2.03	400.96
26 05 33 13-0039 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,705.85 367.96 3.04	429.34
26 05 33 13-0040 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,807.21 392.29	457.72
26 05 33 13-0041 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,665.41 355.80 3.04	415.15

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0042 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #10 THWN Conductor Instead Of THHN, Add	1,790.47 384.18 4.56	448.26
26 05 33 13-0043 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #10 THWN Conductor Instead Of THHN, Add	1,915.54 412.56 6.08	481.37
26 05 33 13-0044 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add	1,976.47 416.61 7.95	486.10
26 05 33 13-0045 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #8 THWN Conductor Instead Of THHN, Add	2,151.12 453.10 10.61	528.67
26 05 33 13-0046 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 2 #6 THWN Conductor Instead Of THHN, Add	1,974.76 404.45 8.77	471.91
26 05 33 13-0047 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add	2,211.09 449.05 13.15	523.94
26 05 33 13-0048 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #12 THWN Conductor Instead Of THHN, Add	2,065.11 410.41 3.04	478.81
26 05 33 13-0049 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add	2,166.48 434.74	507.19
26 05 33 13-0050 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 5 #12 THWN Conductor Instead Of THHN, Add	2,267.84 459.06 5.07	535.56
26 05 33 13-0051 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #10 THWN Conductor Instead Of THHN, Add	2,149.73 426.63 4.56	497.73
26 05 33 13-0052 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #10 THWN Conductor Instead Of THHN, Add	2,274.80 455.01 6.08	530.83
26 05 33 13-0053 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 5 #10 THWN Conductor Instead Of THHN, Add	2,399.86 483.38 7.60	563.94
26 05 33 13-0054 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add	2,335.72 459.06 7.95	535.56
26 05 33 13-0055 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add	2,570.34 491.49 13.15	573.40
26 05 33 13-0056 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #6 THWN Conductor Instead Of THHN, Add	2,806.69 536.09 17.54	625.43
26 05 33 13-0057 Conduit ^(26 05 33 13) Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0058 Conduit Installed Above Grade ^(26 05 33 13-0057) See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
26 05 33 13-0059 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit ^(26 05 33 13-0058) Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		



MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST		DEMOLITION UNIT COST
26 05 33 13-0060 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <small>(26 05 33 13-0059)</small>				
<i>Note: Includes field bending for conduit up to 1".</i>				
26 05 33 13-0061	LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	10.55		2.98
	<i>For >250 To 500, Deduct</i>	-0.16		
	<i>For >500 To 1,000, Deduct</i>	-0.61		
	<i>For >1,000, Deduct</i>	-0.87		
	<i>For Installation In Metal Stud Wall, Add</i>	0.74		
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.86		
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.12		
	<i>For Work In Restricted Working Space, Add</i>	2.23		
	<i>For Elevated Installation >10' To 15', Add</i>	0.74		
	<i>For Elevated Installation >15' To 20', Add</i>	1.49		
	<i>For Elevated Installation >20' To 25', Add</i>	1.86		
	<i>For Elevated Installation >25' To 30', Add</i>	2.60		
	<i>For Elevated Installation >30' To 35', Add</i>	2.98		
	<i>For Elevated Installation >35' To 40', Add</i>	3.72		
	<i>For Elevated Installation >40', Add</i>	4.09		
26 05 33 13-0062	LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	12.48		3.25
	<i>For >250 To 500, Deduct</i>	-0.19		
	<i>For >500 To 1,000, Deduct</i>	-0.72		
	<i>For >1,000, Deduct</i>	-1.03		
	<i>For Installation In Metal Stud Wall, Add</i>	0.87		
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.16		
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.30		
	<i>For Work In Restricted Working Space, Add</i>	2.60		
	<i>For Elevated Installation >10' To 15', Add</i>	0.87		
	<i>For Elevated Installation >15' To 20', Add</i>	1.73		
	<i>For Elevated Installation >20' To 25', Add</i>	2.16		
	<i>For Elevated Installation >25' To 30', Add</i>	3.03		
	<i>For Elevated Installation >30' To 35', Add</i>	3.46		
	<i>For Elevated Installation >35' To 40', Add</i>	4.33		
	<i>For Elevated Installation >40', Add</i>	4.76		
26 05 33 13-0063	LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	17.55		3.79
	<i>For >250 To 500, Deduct</i>	-0.30		
	<i>For >500 To 1,000, Deduct</i>	-1.03		
	<i>For >1,000, Deduct</i>	-1.46		
	<i>For Installation In Metal Stud Wall, Add</i>	1.16		
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.91		
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.74		
	<i>For Work In Restricted Working Space, Add</i>	3.49		
	<i>For Elevated Installation >10' To 15', Add</i>	1.16		
	<i>For Elevated Installation >15' To 20', Add</i>	2.32		
	<i>For Elevated Installation >20' To 25', Add</i>	2.91		
	<i>For Elevated Installation >25' To 30', Add</i>	4.07		
	<i>For Elevated Installation >30' To 35', Add</i>	4.65		
	<i>For Elevated Installation >35' To 40', Add</i>	5.81		
	<i>For Elevated Installation >40', Add</i>	6.39		
26 05 33 13-0064	LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	20.21		4.33
	<i>For >250 To 500, Deduct</i>	-0.40		
	<i>For >500 To 1,000, Deduct</i>	-1.21		
	<i>For >1,000, Deduct</i>	-1.71		
	<i>For Installation In Metal Stud Wall, Add</i>	1.23		
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.08		
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.85		
	<i>For Work In Restricted Working Space, Add</i>	3.69		
	<i>For Elevated Installation >10' To 15', Add</i>	1.23		
	<i>For Elevated Installation >15' To 20', Add</i>	2.46		
	<i>For Elevated Installation >20' To 25', Add</i>	3.08		
	<i>For Elevated Installation >25' To 30', Add</i>	4.31		
	<i>For Elevated Installation >30' To 35', Add</i>	4.92		
	<i>For Elevated Installation >35' To 40', Add</i>	6.15		
	<i>For Elevated Installation >40', Add</i>	6.77		
26 05 33 13-0065	LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	23.20		4.86
	<i>For >250 To 500, Deduct</i>	-0.48		
	<i>For >500 To 1,000, Deduct</i>	-1.40		
	<i>For >1,000, Deduct</i>	-1.98		
	<i>For Installation In Metal Stud Wall, Add</i>	1.35		
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.38		
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.03		
	<i>For Work In Restricted Working Space, Add</i>	4.06		
	<i>For Elevated Installation >10' To 15', Add</i>	1.35		
	<i>For Elevated Installation >15' To 20', Add</i>	2.70		
	<i>For Elevated Installation >20' To 25', Add</i>	3.38		
	<i>For Elevated Installation >25' To 30', Add</i>	4.73		
	<i>For Elevated Installation >30' To 35', Add</i>	5.41		
	<i>For Elevated Installation >35' To 40', Add</i>	6.76		
	<i>For Elevated Installation >40', Add</i>	7.44		

26 Electrical
26 05 Common Work Results for Electrical
26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0066 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	29.57	5.94
For >250 To 500, Deduct	-0.65	
For >500 To 1,000, Deduct	-1.80	
For >1,000, Deduct	-2.54	
For Installation In Metal Stud Wall, Add	1.66	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.16	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.49	
For Work In Restricted Working Space, Add	4.99	
For Elevated Installation >10' To 15', Add	1.66	
For Elevated Installation >15' To 20', Add	3.32	
For Elevated Installation >20' To 25', Add	4.16	
For Elevated Installation >25' To 30', Add	5.82	
For Elevated Installation >30' To 35', Add	6.65	
For Elevated Installation >35' To 40', Add	8.31	
For Elevated Installation >40', Add	9.14	
26 05 33 13-0067 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	44.03	8.11
For >250 To 500, Deduct	-1.07	
For >500 To 1,000, Deduct	-2.74	
For >1,000, Deduct	-3.84	
For Installation In Metal Stud Wall, Add	2.26	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.64	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.39	
For Work In Restricted Working Space, Add	6.77	
For Elevated Installation >10' To 15', Add	2.26	
For Elevated Installation >15' To 20', Add	4.51	
For Elevated Installation >20' To 25', Add	5.64	
For Elevated Installation >25' To 30', Add	7.90	
For Elevated Installation >30' To 35', Add	9.03	
For Elevated Installation >35' To 40', Add	11.29	
For Elevated Installation >40', Add	12.41	
26 05 33 13-0068 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	57.71	10.81
For >250 To 500, Deduct	-1.37	
For >500 To 1,000, Deduct	-3.57	
For >1,000, Deduct	-5.01	
For Installation In Metal Stud Wall, Add	3.04	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.60	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.56	
For Work In Restricted Working Space, Add	9.12	
For Elevated Installation >10' To 15', Add	3.04	
For Elevated Installation >15' To 20', Add	6.08	
For Elevated Installation >20' To 25', Add	7.60	
For Elevated Installation >25' To 30', Add	10.64	
For Elevated Installation >30' To 35', Add	12.16	
For Elevated Installation >35' To 40', Add	15.20	
For Elevated Installation >40', Add	16.72	
26 05 33 13-0069 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	69.41	13.52
For >250 To 500, Deduct	-1.67	
For >500 To 1,000, Deduct	-4.30	
For >1,000, Deduct	-6.04	
For Installation In Metal Stud Wall, Add	3.61	
For Installation In Wood Stud Wall (Includes Drilling), Add	9.02	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.41	
For Work In Restricted Working Space, Add	10.83	
For Elevated Installation >10' To 15', Add	3.61	
For Elevated Installation >15' To 20', Add	7.22	
For Elevated Installation >20' To 25', Add	9.02	
For Elevated Installation >25' To 30', Add	12.63	
For Elevated Installation >30' To 35', Add	14.44	
For Elevated Installation >35' To 40', Add	18.05	
For Elevated Installation >40', Add	19.85	
26 05 33 13-0070 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	82.34	16.21
For >250 To 500, Deduct	-2.04	
For >500 To 1,000, Deduct	-5.13	
For >1,000, Deduct	-7.19	
For Installation In Metal Stud Wall, Add	4.16	
For Installation In Wood Stud Wall (Includes Drilling), Add	10.41	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	6.24	
For Work In Restricted Working Space, Add	12.49	
For Elevated Installation >10' To 15', Add	4.16	
For Elevated Installation >15' To 20', Add	8.33	
For Elevated Installation >20' To 25', Add	10.41	
For Elevated Installation >25' To 30', Add	14.57	
For Elevated Installation >30' To 35', Add	16.65	
For Elevated Installation >35' To 40', Add	20.82	
For Elevated Installation >40', Add	22.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0071 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	129.95	20.54
For >250 To 500, Deduct	-3.93	
For >500 To 1,000, Deduct	-8.46	
For >1,000, Deduct	-11.71	
For Installation In Metal Stud Wall, Add	5.14	
For Installation In Wood Stud Wall (Includes Drilling), Add	12.84	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	7.70	
For Work In Restricted Working Space, Add	15.41	
For Elevated Installation >10' To 15', Add	5.14	
For Elevated Installation >15' To 20', Add	10.27	
For Elevated Installation >20' To 25', Add	12.84	
For Elevated Installation >25' To 30', Add	17.98	
For Elevated Installation >30' To 35', Add	20.54	
For Elevated Installation >35' To 40', Add	25.68	
For Elevated Installation >40', Add	28.25	
26 05 33 13-0072 LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	175.33	25.94
For >250 To 500, Deduct	-5.52	
For >500 To 1,000, Deduct	-11.53	
For >1,000, Deduct	-15.91	
For Installation In Metal Stud Wall, Add	6.49	
For Installation In Wood Stud Wall (Includes Drilling), Add	16.22	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	9.73	
For Work In Restricted Working Space, Add	19.46	
For Elevated Installation >10' To 15', Add	6.49	
For Elevated Installation >15' To 20', Add	12.97	
For Elevated Installation >20' To 25', Add	16.22	
For Elevated Installation >25' To 30', Add	22.70	
For Elevated Installation >30' To 35', Add	25.95	
For Elevated Installation >35' To 40', Add	32.44	
For Elevated Installation >40', Add	35.68	
26 05 33 13-0073 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2297 for conduit field bending.		
26 05 33 13-0074 EA 1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	37.99	13.38
For Work In Restricted Working Space, Add	10.07	
For Elevated Installation >10' To 15', Add	3.36	
For Elevated Installation >15' To 20', Add	6.71	
For Elevated Installation >20' To 25', Add	8.39	
For Elevated Installation >25' To 30', Add	11.74	
For Elevated Installation >30' To 35', Add	13.42	
For Elevated Installation >35' To 40', Add	16.78	
For Elevated Installation >40', Add	18.45	
26 05 33 13-0075 EA 3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	47.58	16.62
For Work In Restricted Working Space, Add	12.52	
For Elevated Installation >10' To 15', Add	4.17	
For Elevated Installation >15' To 20', Add	8.34	
For Elevated Installation >20' To 25', Add	10.43	
For Elevated Installation >25' To 30', Add	14.60	
For Elevated Installation >30' To 35', Add	16.69	
For Elevated Installation >35' To 40', Add	20.86	
For Elevated Installation >40', Add	22.95	
26 05 33 13-0076 EA 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	59.90	20.40
For Work In Restricted Working Space, Add	15.26	
For Elevated Installation >10' To 15', Add	5.09	
For Elevated Installation >15' To 20', Add	10.18	
For Elevated Installation >20' To 25', Add	12.72	
For Elevated Installation >25' To 30', Add	17.81	
For Elevated Installation >30' To 35', Add	20.35	
For Elevated Installation >35' To 40', Add	25.44	
For Elevated Installation >40', Add	27.98	
26 05 33 13-0077 EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	74.49	23.65
For Work In Restricted Working Space, Add	17.72	
For Elevated Installation >10' To 15', Add	5.91	
For Elevated Installation >15' To 20', Add	11.81	
For Elevated Installation >20' To 25', Add	14.77	
For Elevated Installation >25' To 30', Add	20.67	
For Elevated Installation >30' To 35', Add	23.63	
For Elevated Installation >35' To 40', Add	29.54	
For Elevated Installation >40', Add	32.49	
26 05 33 13-0078 EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	86.20	27.17
For Work In Restricted Working Space, Add	20.34	
For Elevated Installation >10' To 15', Add	6.78	
For Elevated Installation >15' To 20', Add	13.56	
For Elevated Installation >20' To 25', Add	16.95	
For Elevated Installation >25' To 30', Add	23.73	
For Elevated Installation >30' To 35', Add	27.12	
For Elevated Installation >35' To 40', Add	33.90	
For Elevated Installation >40', Add	37.29	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0079 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	99.88	29.86
For Work In Restricted Working Space, Add	22.38	
For Elevated Installation >10' To 15', Add	7.46	
For Elevated Installation >15' To 20', Add	14.92	
For Elevated Installation >20' To 25', Add	18.65	
For Elevated Installation >25' To 30', Add	26.11	
For Elevated Installation >30' To 35', Add	29.84	
For Elevated Installation >35' To 40', Add	37.30	
For Elevated Installation >40', Add	41.02	
26 05 33 13-0080 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	138.31	37.30
For Work In Restricted Working Space, Add	27.97	
For Elevated Installation >10' To 15', Add	9.32	
For Elevated Installation >15' To 20', Add	18.65	
For Elevated Installation >20' To 25', Add	23.31	
For Elevated Installation >25' To 30', Add	32.63	
For Elevated Installation >30' To 35', Add	37.30	
For Elevated Installation >35' To 40', Add	46.62	
For Elevated Installation >40', Add	51.28	
26 05 33 13-0081 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	194.11	50.82
For Work In Restricted Working Space, Add	38.11	
For Elevated Installation >10' To 15', Add	12.70	
For Elevated Installation >15' To 20', Add	25.40	
For Elevated Installation >20' To 25', Add	31.76	
For Elevated Installation >25' To 30', Add	44.46	
For Elevated Installation >30' To 35', Add	50.81	
For Elevated Installation >35' To 40', Add	63.51	
For Elevated Installation >40', Add	69.86	
26 05 33 13-0082 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	248.16	57.30
For Work In Restricted Working Space, Add	42.98	
For Elevated Installation >10' To 15', Add	14.33	
For Elevated Installation >15' To 20', Add	28.65	
For Elevated Installation >20' To 25', Add	35.82	
For Elevated Installation >25' To 30', Add	50.14	
For Elevated Installation >30' To 35', Add	57.31	
For Elevated Installation >35' To 40', Add	71.64	
For Elevated Installation >40', Add	78.80	
26 05 33 13-0083 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	307.34	74.60
For Work In Restricted Working Space, Add	55.94	
For Elevated Installation >10' To 15', Add	18.65	
For Elevated Installation >15' To 20', Add	37.29	
For Elevated Installation >20' To 25', Add	46.62	
For Elevated Installation >25' To 30', Add	65.26	
For Elevated Installation >30' To 35', Add	74.58	
For Elevated Installation >35' To 40', Add	93.23	
For Elevated Installation >40', Add	102.55	
26 05 33 13-0084 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	502.42	121.62
For Work In Restricted Working Space, Add	91.22	
For Elevated Installation >10' To 15', Add	30.41	
For Elevated Installation >15' To 20', Add	60.82	
For Elevated Installation >20' To 25', Add	76.02	
For Elevated Installation >25' To 30', Add	106.43	
For Elevated Installation >30' To 35', Add	121.63	
For Elevated Installation >35' To 40', Add	152.04	
For Elevated Installation >40', Add	167.24	
26 05 33 13-0085 EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	755.19	182.71
For Work In Restricted Working Space, Add	137.02	
For Elevated Installation >10' To 15', Add	45.67	
For Elevated Installation >15' To 20', Add	91.35	
For Elevated Installation >20' To 25', Add	114.19	
For Elevated Installation >25' To 30', Add	159.86	
For Elevated Installation >30' To 35', Add	182.70	
For Elevated Installation >35' To 40', Add	228.37	
For Elevated Installation >40', Add	251.21	
26 05 33 13-0086 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2297 for conduit field bending.		
26 05 33 13-0087 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	37.99	13.38
For Work In Restricted Working Space, Add	10.07	
For Elevated Installation >10' To 15', Add	3.36	
For Elevated Installation >15' To 20', Add	6.71	
For Elevated Installation >20' To 25', Add	8.39	
For Elevated Installation >25' To 30', Add	11.74	
For Elevated Installation >30' To 35', Add	13.42	
For Elevated Installation >35' To 40', Add	16.78	
For Elevated Installation >40', Add	18.45	
26 05 33 13-0088 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	47.58	16.62
For Work In Restricted Working Space, Add	12.52	
For Elevated Installation >10' To 15', Add	4.17	
For Elevated Installation >15' To 20', Add	8.34	
For Elevated Installation >20' To 25', Add	10.43	
For Elevated Installation >25' To 30', Add	14.60	
For Elevated Installation >30' To 35', Add	16.69	
For Elevated Installation >35' To 40', Add	20.86	
For Elevated Installation >40', Add	22.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0089 EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	59.90	20.40
For Work In Restricted Working Space, Add	15.26	
For Elevated Installation >10' To 15', Add	5.09	
For Elevated Installation >15' To 20', Add	10.18	
For Elevated Installation >20' To 25', Add	12.72	
For Elevated Installation >25' To 30', Add	17.81	
For Elevated Installation >30' To 35', Add	20.35	
For Elevated Installation >35' To 40', Add	25.44	
For Elevated Installation >40', Add	27.98	
26 05 33 13-0090 EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	74.49	23.65
For Work In Restricted Working Space, Add	17.72	
For Elevated Installation >10' To 15', Add	5.91	
For Elevated Installation >15' To 20', Add	11.81	
For Elevated Installation >20' To 25', Add	14.77	
For Elevated Installation >25' To 30', Add	20.67	
For Elevated Installation >30' To 35', Add	23.63	
For Elevated Installation >35' To 40', Add	29.54	
For Elevated Installation >40', Add	32.49	
26 05 33 13-0091 EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	86.20	27.17
For Work In Restricted Working Space, Add	20.34	
For Elevated Installation >10' To 15', Add	6.78	
For Elevated Installation >15' To 20', Add	13.56	
For Elevated Installation >20' To 25', Add	16.95	
For Elevated Installation >25' To 30', Add	23.73	
For Elevated Installation >30' To 35', Add	27.12	
For Elevated Installation >35' To 40', Add	33.90	
For Elevated Installation >40', Add	37.29	
26 05 33 13-0092 EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	99.88	29.86
For Work In Restricted Working Space, Add	22.38	
For Elevated Installation >10' To 15', Add	7.46	
For Elevated Installation >15' To 20', Add	14.92	
For Elevated Installation >20' To 25', Add	18.65	
For Elevated Installation >25' To 30', Add	26.11	
For Elevated Installation >30' To 35', Add	29.84	
For Elevated Installation >35' To 40', Add	37.30	
For Elevated Installation >40', Add	41.02	
26 05 33 13-0093 EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	136.48	37.30
For Work In Restricted Working Space, Add	27.97	
For Elevated Installation >10' To 15', Add	9.32	
For Elevated Installation >15' To 20', Add	18.65	
For Elevated Installation >20' To 25', Add	23.31	
For Elevated Installation >25' To 30', Add	32.63	
For Elevated Installation >30' To 35', Add	37.30	
For Elevated Installation >35' To 40', Add	46.62	
For Elevated Installation >40', Add	51.28	
26 05 33 13-0094 EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	186.99	50.82
For Work In Restricted Working Space, Add	38.11	
For Elevated Installation >10' To 15', Add	12.70	
For Elevated Installation >15' To 20', Add	25.40	
For Elevated Installation >20' To 25', Add	31.76	
For Elevated Installation >25' To 30', Add	44.46	
For Elevated Installation >30' To 35', Add	50.81	
For Elevated Installation >35' To 40', Add	63.51	
For Elevated Installation >40', Add	69.86	
26 05 33 13-0095 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	238.14	57.30
For Work In Restricted Working Space, Add	42.98	
For Elevated Installation >10' To 15', Add	14.33	
For Elevated Installation >15' To 20', Add	28.65	
For Elevated Installation >20' To 25', Add	35.82	
For Elevated Installation >25' To 30', Add	50.14	
For Elevated Installation >30' To 35', Add	57.31	
For Elevated Installation >35' To 40', Add	71.64	
For Elevated Installation >40', Add	78.80	
26 05 33 13-0096 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	294.01	74.60
For Work In Restricted Working Space, Add	55.94	
For Elevated Installation >10' To 15', Add	18.65	
For Elevated Installation >15' To 20', Add	37.29	
For Elevated Installation >20' To 25', Add	46.62	
For Elevated Installation >25' To 30', Add	65.26	
For Elevated Installation >30' To 35', Add	74.58	
For Elevated Installation >35' To 40', Add	93.23	
For Elevated Installation >40', Add	102.55	
26 05 33 13-0097 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	502.42	121.62
For Work In Restricted Working Space, Add	91.22	
For Elevated Installation >10' To 15', Add	30.41	
For Elevated Installation >15' To 20', Add	60.82	
For Elevated Installation >20' To 25', Add	76.02	
For Elevated Installation >25' To 30', Add	106.43	
For Elevated Installation >30' To 35', Add	121.63	
For Elevated Installation >35' To 40', Add	152.04	
For Elevated Installation >40', Add	167.24	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0098 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	755.19	182.71
For Work In Restricted Working Space, Add	137.02	
For Elevated Installation >10' To 15', Add	45.67	
For Elevated Installation >15' To 20', Add	91.35	
For Elevated Installation >20' To 25', Add	114.19	
For Elevated Installation >25' To 30', Add	159.86	
For Elevated Installation >30' To 35', Add	182.70	
For Elevated Installation >35' To 40', Add	228.37	
For Elevated Installation >40', Add	251.21	
26 05 33 13-0099 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2297 for conduit field bending.		
26 05 33 13-0100 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	88.24	33.38
For Work In Restricted Working Space, Add	20.03	
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
26 05 33 13-0101 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	101.82	38.65
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
26 05 33 13-0102 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	117.21	43.92
For Work In Restricted Working Space, Add	26.35	
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
26 05 33 13-0103 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	131.23	48.31
For Work In Restricted Working Space, Add	28.99	
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
26 05 33 13-0104 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2297 for conduit field bending.		
26 05 33 13-0105 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	93.81	33.38
For Work In Restricted Working Space, Add	20.03	
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
26 05 33 13-0106 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	108.98	38.65
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
26 05 33 13-0107 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	120.47	43.92
For Work In Restricted Working Space, Add	26.35	
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0108 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	134.87	48.31
For Work In Restricted Working Space, Add	28.99	
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
26 05 33 13-0109 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	176.73	60.61
For Work In Restricted Working Space, Add	36.37	
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
26 05 33 13-0110 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	238.56	82.57
For Work In Restricted Working Space, Add	49.54	
For Elevated Installation >10' To 15', Add	16.51	
For Elevated Installation >15' To 20', Add	33.03	
For Elevated Installation >20' To 25', Add	41.29	
For Elevated Installation >25' To 30', Add	57.80	
For Elevated Installation >30' To 35', Add	66.06	
For Elevated Installation >35' To 40', Add	82.57	
For Elevated Installation >40', Add	90.83	
26 05 33 13-0111 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2297 for conduit field bending.		
26 05 33 13-0112 EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	94.07	33.38
For Work In Restricted Working Space, Add	20.03	
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
26 05 33 13-0113 EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	108.27	38.65
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
26 05 33 13-0114 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	124.00	43.92
For Work In Restricted Working Space, Add	26.35	
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
26 05 33 13-0115 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	142.76	48.31
For Work In Restricted Working Space, Add	28.99	
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
26 05 33 13-0116 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	184.09	60.61
For Work In Restricted Working Space, Add	36.37	
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
26 05 33 13-0117 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	244.49	82.57
For Work In Restricted Working Space, Add	49.54	
For Elevated Installation >10' To 15', Add	16.51	
For Elevated Installation >15' To 20', Add	33.03	
For Elevated Installation >20' To 25', Add	41.29	
For Elevated Installation >25' To 30', Add	57.80	
For Elevated Installation >30' To 35', Add	66.06	
For Elevated Installation >35' To 40', Add	82.57	
For Elevated Installation >40', Add	90.83	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0118 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	298.39	93.11
For Work In Restricted Working Space, Add	55.87	
For Elevated Installation >10' To 15', Add	18.62	
For Elevated Installation >15' To 20', Add	37.25	
For Elevated Installation >20' To 25', Add	46.56	
For Elevated Installation >25' To 30', Add	65.18	
For Elevated Installation >30' To 35', Add	74.49	
For Elevated Installation >35' To 40', Add	93.12	
For Elevated Installation >40', Add	102.43	
26 05 33 13-0119 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	367.77	121.22
For Work In Restricted Working Space, Add	72.73	
For Elevated Installation >10' To 15', Add	24.24	
For Elevated Installation >15' To 20', Add	48.49	
For Elevated Installation >20' To 25', Add	60.61	
For Elevated Installation >25' To 30', Add	84.85	
For Elevated Installation >30' To 35', Add	96.98	
For Elevated Installation >35' To 40', Add	121.22	
For Elevated Installation >40', Add	133.34	
26 05 33 13-0120 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2297 for conduit field bending.		
26 05 33 13-0121 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	102.96	33.38
For Work In Restricted Working Space, Add	20.03	
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
26 05 33 13-0122 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	116.99	38.65
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
26 05 33 13-0123 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	130.53	43.92
For Work In Restricted Working Space, Add	26.35	
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
26 05 33 13-0124 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	152.39	48.31
For Work In Restricted Working Space, Add	28.99	
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
26 05 33 13-0125 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	197.21	60.61
For Work In Restricted Working Space, Add	36.37	
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
26 05 33 13-0126 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	265.06	82.57
For Work In Restricted Working Space, Add	49.54	
For Elevated Installation >10' To 15', Add	16.51	
For Elevated Installation >15' To 20', Add	33.03	
For Elevated Installation >20' To 25', Add	41.29	
For Elevated Installation >25' To 30', Add	57.80	
For Elevated Installation >30' To 35', Add	66.06	
For Elevated Installation >35' To 40', Add	82.57	
For Elevated Installation >40', Add	90.83	
26 05 33 13-0127 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	318.39	93.11
For Work In Restricted Working Space, Add	55.87	
For Elevated Installation >10' To 15', Add	18.62	
For Elevated Installation >15' To 20', Add	37.25	
For Elevated Installation >20' To 25', Add	46.56	
For Elevated Installation >25' To 30', Add	65.18	
For Elevated Installation >30' To 35', Add	74.49	
For Elevated Installation >35' To 40', Add	93.12	
For Elevated Installation >40', Add	102.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0128 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	383.71	121.22
<i>For Work In Restricted Working Space, Add</i>	72.73	
<i>For Elevated Installation >10' To 15', Add</i>	24.24	
<i>For Elevated Installation >15' To 20', Add</i>	48.49	
<i>For Elevated Installation >20' To 25', Add</i>	60.61	
<i>For Elevated Installation >25' To 30', Add</i>	84.85	
<i>For Elevated Installation >30' To 35', Add</i>	96.98	
<i>For Elevated Installation >35' To 40', Add</i>	121.22	
<i>For Elevated Installation >40', Add</i>	133.34	
 26 05 33 13-0129 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2297 for conduit field bending.		
26 05 33 13-0130 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	102.42	33.38
<i>For Work In Restricted Working Space, Add</i>	20.03	
<i>For Elevated Installation >10' To 15', Add</i>	6.68	
<i>For Elevated Installation >15' To 20', Add</i>	13.35	
<i>For Elevated Installation >20' To 25', Add</i>	16.69	
<i>For Elevated Installation >25' To 30', Add</i>	23.37	
<i>For Elevated Installation >30' To 35', Add</i>	26.70	
<i>For Elevated Installation >35' To 40', Add</i>	33.38	
<i>For Elevated Installation >40', Add</i>	36.72	
26 05 33 13-0131 EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	123.47	38.65
<i>For Work In Restricted Working Space, Add</i>	23.19	
<i>For Elevated Installation >10' To 15', Add</i>	7.73	
<i>For Elevated Installation >15' To 20', Add</i>	15.46	
<i>For Elevated Installation >20' To 25', Add</i>	19.33	
<i>For Elevated Installation >25' To 30', Add</i>	27.06	
<i>For Elevated Installation >30' To 35', Add</i>	30.92	
<i>For Elevated Installation >35' To 40', Add</i>	38.65	
<i>For Elevated Installation >40', Add</i>	42.52	
26 05 33 13-0132 EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	137.54	43.92
<i>For Work In Restricted Working Space, Add</i>	26.35	
<i>For Elevated Installation >10' To 15', Add</i>	8.78	
<i>For Elevated Installation >15' To 20', Add</i>	17.57	
<i>For Elevated Installation >20' To 25', Add</i>	21.96	
<i>For Elevated Installation >25' To 30', Add</i>	30.74	
<i>For Elevated Installation >30' To 35', Add</i>	35.14	
<i>For Elevated Installation >35' To 40', Add</i>	43.92	
<i>For Elevated Installation >40', Add</i>	48.31	
26 05 33 13-0133 EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	161.55	48.31
<i>For Work In Restricted Working Space, Add</i>	28.99	
<i>For Elevated Installation >10' To 15', Add</i>	9.66	
<i>For Elevated Installation >15' To 20', Add</i>	19.32	
<i>For Elevated Installation >20' To 25', Add</i>	24.16	
<i>For Elevated Installation >25' To 30', Add</i>	33.82	
<i>For Elevated Installation >30' To 35', Add</i>	38.65	
<i>For Elevated Installation >35' To 40', Add</i>	48.31	
<i>For Elevated Installation >40', Add</i>	53.14	
26 05 33 13-0134 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	209.80	60.61
<i>For Work In Restricted Working Space, Add</i>	36.37	
<i>For Elevated Installation >10' To 15', Add</i>	12.12	
<i>For Elevated Installation >15' To 20', Add</i>	24.24	
<i>For Elevated Installation >20' To 25', Add</i>	30.31	
<i>For Elevated Installation >25' To 30', Add</i>	42.43	
<i>For Elevated Installation >30' To 35', Add</i>	48.49	
<i>For Elevated Installation >35' To 40', Add</i>	60.61	
<i>For Elevated Installation >40', Add</i>	66.67	
26 05 33 13-0135 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	281.31	82.57
<i>For Work In Restricted Working Space, Add</i>	49.54	
<i>For Elevated Installation >10' To 15', Add</i>	16.51	
<i>For Elevated Installation >15' To 20', Add</i>	33.03	
<i>For Elevated Installation >20' To 25', Add</i>	41.29	
<i>For Elevated Installation >25' To 30', Add</i>	57.80	
<i>For Elevated Installation >30' To 35', Add</i>	66.06	
<i>For Elevated Installation >35' To 40', Add</i>	82.57	
<i>For Elevated Installation >40', Add</i>	90.83	
26 05 33 13-0136 EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	338.17	93.11
<i>For Work In Restricted Working Space, Add</i>	55.87	
<i>For Elevated Installation >10' To 15', Add</i>	18.62	
<i>For Elevated Installation >15' To 20', Add</i>	37.25	
<i>For Elevated Installation >20' To 25', Add</i>	46.56	
<i>For Elevated Installation >25' To 30', Add</i>	65.18	
<i>For Elevated Installation >30' To 35', Add</i>	74.49	
<i>For Elevated Installation >35' To 40', Add</i>	93.12	
<i>For Elevated Installation >40', Add</i>	102.43	
26 05 33 13-0137 EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	412.98	121.22
<i>For Work In Restricted Working Space, Add</i>	72.73	
<i>For Elevated Installation >10' To 15', Add</i>	24.24	
<i>For Elevated Installation >15' To 20', Add</i>	48.49	
<i>For Elevated Installation >20' To 25', Add</i>	60.61	
<i>For Elevated Installation >25' To 30', Add</i>	84.85	
<i>For Elevated Installation >30' To 35', Add</i>	96.98	
<i>For Elevated Installation >35' To 40', Add</i>	121.22	
<i>For Elevated Installation >40', Add</i>	133.34	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0138 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	614.34	197.64
For Work In Restricted Working Space, Add	118.59	
For Elevated Installation >10' To 15', Add	39.53	
For Elevated Installation >15' To 20', Add	79.06	
For Elevated Installation >20' To 25', Add	98.82	
For Elevated Installation >25' To 30', Add	138.35	
For Elevated Installation >30' To 35', Add	158.12	
For Elevated Installation >35' To 40', Add	197.65	
For Elevated Installation >40', Add	217.41	
26 05 33 13-0139 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow (26 05 33 13-0059)		
See CSI section 26 05 33 13-2297 for conduit field bending.		
26 05 33 13-0140 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	107.16	33.38
For Work In Restricted Working Space, Add	20.03	
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
26 05 33 13-0141 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	126.66	38.65
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
26 05 33 13-0142 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	149.83	43.92
For Work In Restricted Working Space, Add	26.35	
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
26 05 33 13-0143 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	168.71	48.31
For Work In Restricted Working Space, Add	28.99	
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
26 05 33 13-0144 EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	224.73	60.61
For Work In Restricted Working Space, Add	36.37	
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
26 05 33 13-0145 EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	295.20	82.57
For Work In Restricted Working Space, Add	49.54	
For Elevated Installation >10' To 15', Add	16.51	
For Elevated Installation >15' To 20', Add	33.03	
For Elevated Installation >20' To 25', Add	41.29	
For Elevated Installation >25' To 30', Add	57.80	
For Elevated Installation >30' To 35', Add	66.06	
For Elevated Installation >35' To 40', Add	82.57	
For Elevated Installation >40', Add	90.83	
26 05 33 13-0146 EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	363.70	93.11
For Work In Restricted Working Space, Add	55.87	
For Elevated Installation >10' To 15', Add	18.62	
For Elevated Installation >15' To 20', Add	37.25	
For Elevated Installation >20' To 25', Add	46.56	
For Elevated Installation >25' To 30', Add	65.18	
For Elevated Installation >30' To 35', Add	74.49	
For Elevated Installation >35' To 40', Add	93.12	
For Elevated Installation >40', Add	102.43	
26 05 33 13-0147 EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	426.75	121.22
For Work In Restricted Working Space, Add	72.73	
For Elevated Installation >10' To 15', Add	24.24	
For Elevated Installation >15' To 20', Add	48.49	
For Elevated Installation >20' To 25', Add	60.61	
For Elevated Installation >25' To 30', Add	84.85	
For Elevated Installation >30' To 35', Add	96.98	
For Elevated Installation >35' To 40', Add	121.22	
For Elevated Installation >40', Add	133.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0148 EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	726.67	197.64
For Work In Restricted Working Space, Add	118.59	
For Elevated Installation >10' To 15', Add	39.53	
For Elevated Installation >15' To 20', Add	79.06	
For Elevated Installation >20' To 25', Add	98.82	
For Elevated Installation >25' To 30', Add	138.35	
For Elevated Installation >30' To 35', Add	158.12	
For Elevated Installation >35' To 40', Add	197.65	
For Elevated Installation >40', Add	217.41	
26 05 33 13-0149 EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	957.87	296.91
For Work In Restricted Working Space, Add	178.14	
For Elevated Installation >10' To 15', Add	59.38	
For Elevated Installation >15' To 20', Add	118.76	
For Elevated Installation >20' To 25', Add	148.45	
For Elevated Installation >25' To 30', Add	207.83	
For Elevated Installation >30' To 35', Add	237.52	
For Elevated Installation >35' To 40', Add	296.91	
For Elevated Installation >40', Add	326.60	
26 05 33 13-0150 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow (26 05 33 13-0059) See CSI section 26 05 33 13-2297 for conduit field bending.		
26 05 33 13-0151 EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	114.11	33.38
For Work In Restricted Working Space, Add	20.03	
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
26 05 33 13-0152 EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	135.15	38.65
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
26 05 33 13-0153 EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	158.86	43.92
For Work In Restricted Working Space, Add	26.35	
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
26 05 33 13-0154 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	178.16	48.31
For Work In Restricted Working Space, Add	28.99	
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.33	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.32	
For Elevated Installation >40', Add	53.15	
26 05 33 13-0155 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	236.15	60.61
For Work In Restricted Working Space, Add	36.37	
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
26 05 33 13-0156 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	315.56	82.57
For Work In Restricted Working Space, Add	49.54	
For Elevated Installation >10' To 15', Add	16.51	
For Elevated Installation >15' To 20', Add	33.03	
For Elevated Installation >20' To 25', Add	41.29	
For Elevated Installation >25' To 30', Add	57.80	
For Elevated Installation >30' To 35', Add	66.06	
For Elevated Installation >35' To 40', Add	82.57	
For Elevated Installation >40', Add	90.83	
26 05 33 13-0157 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	384.12	93.11
For Work In Restricted Working Space, Add	55.87	
For Elevated Installation >10' To 15', Add	18.62	
For Elevated Installation >15' To 20', Add	37.25	
For Elevated Installation >20' To 25', Add	46.56	
For Elevated Installation >25' To 30', Add	65.18	
For Elevated Installation >30' To 35', Add	74.49	
For Elevated Installation >35' To 40', Add	93.12	
For Elevated Installation >40', Add	102.43	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0158 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	485.49	121.22
For Work In Restricted Working Space, Add	72.73	
For Elevated Installation >10' To 15', Add	24.24	
For Elevated Installation >15' To 20', Add	48.49	
For Elevated Installation >20' To 25', Add	60.61	
For Elevated Installation >25' To 30', Add	84.85	
For Elevated Installation >30' To 35', Add	96.98	
For Elevated Installation >35' To 40', Add	121.22	
For Elevated Installation >40', Add	133.34	
26 05 33 13-0159 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	807.70	197.64
For Work In Restricted Working Space, Add	118.59	
For Elevated Installation >10' To 15', Add	39.53	
For Elevated Installation >15' To 20', Add	79.06	
For Elevated Installation >20' To 25', Add	98.82	
For Elevated Installation >25' To 30', Add	138.35	
For Elevated Installation >30' To 35', Add	158.12	
For Elevated Installation >35' To 40', Add	197.65	
For Elevated Installation >40', Add	217.41	
26 05 33 13-0160 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,028.04	296.91
For Work In Restricted Working Space, Add	178.14	
For Elevated Installation >10' To 15', Add	59.38	
For Elevated Installation >15' To 20', Add	118.76	
For Elevated Installation >20' To 25', Add	148.45	
For Elevated Installation >25' To 30', Add	207.83	
For Elevated Installation >30' To 35', Add	237.52	
For Elevated Installation >35' To 40', Add	296.91	
For Elevated Installation >40', Add	326.60	
26 05 33 13-0161 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2297 for conduit field bending.		
26 05 33 13-0162 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	119.90	33.38
For Work In Restricted Working Space, Add	20.03	
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
26 05 33 13-0163 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	141.68	38.65
For Work In Restricted Working Space, Add	23.19	
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
26 05 33 13-0164 EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	164.56	43.92
For Work In Restricted Working Space, Add	26.35	
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
26 05 33 13-0165 EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	195.78	48.31
For Work In Restricted Working Space, Add	28.99	
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.33	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.32	
For Elevated Installation >40', Add	53.15	
26 05 33 13-0166 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	257.21	60.61
For Work In Restricted Working Space, Add	36.37	
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
26 05 33 13-0167 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	336.07	82.57
For Work In Restricted Working Space, Add	49.54	
For Elevated Installation >10' To 15', Add	16.51	
For Elevated Installation >15' To 20', Add	33.03	
For Elevated Installation >20' To 25', Add	41.29	
For Elevated Installation >25' To 30', Add	57.80	
For Elevated Installation >30' To 35', Add	66.06	
For Elevated Installation >35' To 40', Add	82.57	
For Elevated Installation >40', Add	90.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0168 EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	409.78	93.11
For Work In Restricted Working Space, Add	55.87	
For Elevated Installation >10' To 15', Add	18.62	
For Elevated Installation >15' To 20', Add	37.25	
For Elevated Installation >20' To 25', Add	46.56	
For Elevated Installation >25' To 30', Add	65.18	
For Elevated Installation >30' To 35', Add	74.49	
For Elevated Installation >35' To 40', Add	93.12	
For Elevated Installation >40', Add	102.43	
26 05 33 13-0169 EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	516.66	121.22
For Work In Restricted Working Space, Add	72.73	
For Elevated Installation >10' To 15', Add	24.24	
For Elevated Installation >15' To 20', Add	48.49	
For Elevated Installation >20' To 25', Add	60.61	
For Elevated Installation >25' To 30', Add	84.85	
For Elevated Installation >30' To 35', Add	96.98	
For Elevated Installation >35' To 40', Add	121.22	
For Elevated Installation >40', Add	133.34	
26 05 33 13-0170 EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	833.08	197.64
For Work In Restricted Working Space, Add	118.59	
For Elevated Installation >10' To 15', Add	39.53	
For Elevated Installation >15' To 20', Add	79.06	
For Elevated Installation >20' To 25', Add	98.82	
For Elevated Installation >25' To 30', Add	138.35	
For Elevated Installation >30' To 35', Add	158.12	
For Elevated Installation >35' To 40', Add	197.65	
For Elevated Installation >40', Add	217.41	
26 05 33 13-0171 EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,042.24	296.91
For Work In Restricted Working Space, Add	178.14	
For Elevated Installation >10' To 15', Add	59.38	
For Elevated Installation >15' To 20', Add	118.76	
For Elevated Installation >20' To 25', Add	148.45	
For Elevated Installation >25' To 30', Add	207.83	
For Elevated Installation >30' To 35', Add	237.52	
For Elevated Installation >35' To 40', Add	296.91	
For Elevated Installation >40', Add	326.60	
26 05 33 13-0172 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <small>(26 05 33 13-0059)</small>		
26 05 33 13-0173 EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	17.54	8.62
For Work In Restricted Working Space, Add	5.17	
For Elevated Installation >10' To 15', Add	1.72	
For Elevated Installation >15' To 20', Add	3.45	
For Elevated Installation >20' To 25', Add	4.31	
For Elevated Installation >25' To 30', Add	6.03	
For Elevated Installation >30' To 35', Add	6.89	
For Elevated Installation >35' To 40', Add	8.62	
For Elevated Installation >40', Add	9.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.17	
26 05 33 13-0174 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	18.79	9.19
For Work In Restricted Working Space, Add	5.51	
For Elevated Installation >10' To 15', Add	1.84	
For Elevated Installation >15' To 20', Add	3.68	
For Elevated Installation >20' To 25', Add	4.60	
For Elevated Installation >25' To 30', Add	6.43	
For Elevated Installation >30' To 35', Add	7.35	
For Elevated Installation >35' To 40', Add	9.19	
For Elevated Installation >40', Add	10.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 05 33 13-0175 EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	21.30	10.34
For Work In Restricted Working Space, Add	6.20	
For Elevated Installation >10' To 15', Add	2.07	
For Elevated Installation >15' To 20', Add	4.13	
For Elevated Installation >20' To 25', Add	5.17	
For Elevated Installation >25' To 30', Add	7.23	
For Elevated Installation >30' To 35', Add	8.27	
For Elevated Installation >35' To 40', Add	10.34	
For Elevated Installation >40', Add	11.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.20	
26 05 33 13-0176 EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	23.89	11.48
For Work In Restricted Working Space, Add	6.89	
For Elevated Installation >10' To 15', Add	2.30	
For Elevated Installation >15' To 20', Add	4.60	
For Elevated Installation >20' To 25', Add	5.75	
For Elevated Installation >25' To 30', Add	8.04	
For Elevated Installation >30' To 35', Add	9.19	
For Elevated Installation >35' To 40', Add	11.49	
For Elevated Installation >40', Add	12.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.89	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0177 EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	29.96	14.36
For Work In Restricted Working Space, Add	8.62	
For Elevated Installation >10' To 15', Add	2.87	
For Elevated Installation >15' To 20', Add	5.74	
For Elevated Installation >20' To 25', Add	7.18	
For Elevated Installation >25' To 30', Add	10.05	
For Elevated Installation >30' To 35', Add	11.49	
For Elevated Installation >35' To 40', Add	14.36	
For Elevated Installation >40', Add	15.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.62	
26 05 33 13-0178 EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	36.76	17.23
For Work In Restricted Working Space, Add	10.34	
For Elevated Installation >10' To 15', Add	3.45	
For Elevated Installation >15' To 20', Add	6.89	
For Elevated Installation >20' To 25', Add	8.62	
For Elevated Installation >25' To 30', Add	12.06	
For Elevated Installation >30' To 35', Add	13.78	
For Elevated Installation >35' To 40', Add	17.23	
For Elevated Installation >40', Add	18.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.34	
26 05 33 13-0179 EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	45.29	20.10
For Work In Restricted Working Space, Add	12.06	
For Elevated Installation >10' To 15', Add	4.02	
For Elevated Installation >15' To 20', Add	8.04	
For Elevated Installation >20' To 25', Add	10.05	
For Elevated Installation >25' To 30', Add	14.07	
For Elevated Installation >30' To 35', Add	16.08	
For Elevated Installation >35' To 40', Add	20.10	
For Elevated Installation >40', Add	22.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.06	
26 05 33 13-0180 EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	51.32	22.98
For Work In Restricted Working Space, Add	13.79	
For Elevated Installation >10' To 15', Add	4.60	
For Elevated Installation >15' To 20', Add	9.19	
For Elevated Installation >20' To 25', Add	11.49	
For Elevated Installation >25' To 30', Add	16.08	
For Elevated Installation >30' To 35', Add	18.38	
For Elevated Installation >35' To 40', Add	22.98	
For Elevated Installation >40', Add	25.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.79	
26 05 33 13-0181 EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	59.15	21.62
For Work In Restricted Working Space, Add	15.51	
For Elevated Installation >10' To 15', Add	5.17	
For Elevated Installation >15' To 20', Add	10.34	
For Elevated Installation >20' To 25', Add	12.92	
For Elevated Installation >25' To 30', Add	18.09	
For Elevated Installation >30' To 35', Add	20.68	
For Elevated Installation >35' To 40', Add	25.85	
For Elevated Installation >40', Add	28.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.51	
26 05 33 13-0182 EA 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	65.65	28.72
For Work In Restricted Working Space, Add	17.23	
For Elevated Installation >10' To 15', Add	5.74	
For Elevated Installation >15' To 20', Add	11.49	
For Elevated Installation >20' To 25', Add	14.36	
For Elevated Installation >25' To 30', Add	20.10	
For Elevated Installation >30' To 35', Add	22.98	
For Elevated Installation >35' To 40', Add	28.72	
For Elevated Installation >40', Add	31.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.23	
26 05 33 13-0183 EA 5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	77.18	31.59
For Work In Restricted Working Space, Add	18.95	
For Elevated Installation >10' To 15', Add	6.32	
For Elevated Installation >15' To 20', Add	12.64	
For Elevated Installation >20' To 25', Add	15.80	
For Elevated Installation >25' To 30', Add	22.11	
For Elevated Installation >30' To 35', Add	25.27	
For Elevated Installation >35' To 40', Add	31.59	
For Elevated Installation >40', Add	34.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.95	
26 05 33 13-0184 EA 6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	104.37	34.46
For Work In Restricted Working Space, Add	20.68	
For Elevated Installation >10' To 15', Add	6.89	
For Elevated Installation >15' To 20', Add	13.78	
For Elevated Installation >20' To 25', Add	17.23	
For Elevated Installation >25' To 30', Add	24.12	
For Elevated Installation >30' To 35', Add	27.57	
For Elevated Installation >35' To 40', Add	34.46	
For Elevated Installation >40', Add	37.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.68	

26 05 33 13-0185 Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0059)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0186 EA 1/2" Rigid Galvanized Steel (RGS) Steel Bushing	21.05	10.13
For Work In Restricted Working Space, Add	6.08	
For Elevated Installation >10' To 15', Add	2.03	
For Elevated Installation >15' To 20', Add	4.05	
For Elevated Installation >20' To 25', Add	5.07	
For Elevated Installation >25' To 30', Add	7.09	
For Elevated Installation >30' To 35', Add	8.11	
For Elevated Installation >35' To 40', Add	10.14	
For Elevated Installation >40', Add	11.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 33 13-0187 EA 3/4" Rigid Galvanized Steel (RGS) Steel Bushing	22.76	10.81
For Work In Restricted Working Space, Add	6.49	
For Elevated Installation >10' To 15', Add	2.16	
For Elevated Installation >15' To 20', Add	4.32	
For Elevated Installation >20' To 25', Add	5.41	
For Elevated Installation >25' To 30', Add	7.57	
For Elevated Installation >30' To 35', Add	8.65	
For Elevated Installation >35' To 40', Add	10.81	
For Elevated Installation >40', Add	11.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.49	
26 05 33 13-0188 EA 1" Rigid Galvanized Steel (RGS) Steel Bushing	26.29	12.17
For Work In Restricted Working Space, Add	7.30	
For Elevated Installation >10' To 15', Add	2.43	
For Elevated Installation >15' To 20', Add	4.86	
For Elevated Installation >20' To 25', Add	6.08	
For Elevated Installation >25' To 30', Add	8.51	
For Elevated Installation >30' To 35', Add	9.73	
For Elevated Installation >35' To 40', Add	12.16	
For Elevated Installation >40', Add	13.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.30	
26 05 33 13-0189 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	29.47	13.52
For Work In Restricted Working Space, Add	8.11	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.41	
For Elevated Installation >20' To 25', Add	6.76	
For Elevated Installation >25' To 30', Add	9.46	
For Elevated Installation >30' To 35', Add	10.81	
For Elevated Installation >35' To 40', Add	13.52	
For Elevated Installation >40', Add	14.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.11	
26 05 33 13-0190 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	37.39	16.90
For Work In Restricted Working Space, Add	10.13	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.76	
For Elevated Installation >20' To 25', Add	8.45	
For Elevated Installation >25' To 30', Add	11.82	
For Elevated Installation >30' To 35', Add	13.51	
For Elevated Installation >35' To 40', Add	16.89	
For Elevated Installation >40', Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 05 33 13-0191 EA 2" Rigid Galvanized Steel (RGS) Steel Bushing	44.42	20.27
For Work In Restricted Working Space, Add	12.16	
For Elevated Installation >10' To 15', Add	4.05	
For Elevated Installation >15' To 20', Add	8.11	
For Elevated Installation >20' To 25', Add	10.14	
For Elevated Installation >25' To 30', Add	14.19	
For Elevated Installation >30' To 35', Add	16.22	
For Elevated Installation >35' To 40', Add	20.27	
For Elevated Installation >40', Add	22.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.16	
26 05 33 13-0192 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	59.49	23.65
For Work In Restricted Working Space, Add	14.19	
For Elevated Installation >10' To 15', Add	4.73	
For Elevated Installation >15' To 20', Add	9.46	
For Elevated Installation >20' To 25', Add	11.83	
For Elevated Installation >25' To 30', Add	16.56	
For Elevated Installation >30' To 35', Add	18.92	
For Elevated Installation >35' To 40', Add	23.65	
For Elevated Installation >40', Add	26.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.19	
26 05 33 13-0193 EA 3" Rigid Galvanized Steel (RGS) Steel Bushing	70.04	27.03
For Work In Restricted Working Space, Add	16.22	
For Elevated Installation >10' To 15', Add	5.41	
For Elevated Installation >15' To 20', Add	10.81	
For Elevated Installation >20' To 25', Add	13.51	
For Elevated Installation >25' To 30', Add	18.92	
For Elevated Installation >30' To 35', Add	21.62	
For Elevated Installation >35' To 40', Add	27.03	
For Elevated Installation >40', Add	29.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.22	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0194 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	98.17	30.40
For Work In Restricted Working Space, Add	18.25	
For Elevated Installation >10' To 15', Add	6.08	
For Elevated Installation >15' To 20', Add	12.16	
For Elevated Installation >20' To 25', Add	15.21	
For Elevated Installation >25' To 30', Add	21.29	
For Elevated Installation >30' To 35', Add	24.33	
For Elevated Installation >35' To 40', Add	30.41	
For Elevated Installation >40', Add	33.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.25	
26 05 33 13-0195 EA 4" Rigid Galvanized Steel (RGS) Steel Bushing	128.14	33.78
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 33 13-0196 EA 5" Rigid Galvanized Steel (RGS) Steel Bushing	166.19	37.17
For Work In Restricted Working Space, Add	22.30	
For Elevated Installation >10' To 15', Add	7.43	
For Elevated Installation >15' To 20', Add	14.86	
For Elevated Installation >20' To 25', Add	18.58	
For Elevated Installation >25' To 30', Add	26.01	
For Elevated Installation >30' To 35', Add	29.73	
For Elevated Installation >35' To 40', Add	37.16	
For Elevated Installation >40', Add	40.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.30	
26 05 33 13-0197 EA 6" Rigid Galvanized Steel (RGS) Steel Bushing	236.15	40.54
For Work In Restricted Working Space, Add	24.33	
For Elevated Installation >10' To 15', Add	8.11	
For Elevated Installation >15' To 20', Add	16.22	
For Elevated Installation >20' To 25', Add	20.27	
For Elevated Installation >25' To 30', Add	28.38	
For Elevated Installation >30' To 35', Add	32.44	
For Elevated Installation >35' To 40', Add	40.55	
For Elevated Installation >40', Add	44.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.33	
26 05 33 13-0198 Rigid Galvanized Steel (RGS) Steel Insulated Bushing (26 05 33 13-0059)		
26 05 33 13-0199 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	21.97	10.13
For Work In Restricted Working Space, Add	6.08	
For Elevated Installation >10' To 15', Add	2.03	
For Elevated Installation >15' To 20', Add	4.05	
For Elevated Installation >20' To 25', Add	5.07	
For Elevated Installation >25' To 30', Add	7.09	
For Elevated Installation >30' To 35', Add	8.11	
For Elevated Installation >35' To 40', Add	10.14	
For Elevated Installation >40', Add	11.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 33 13-0200 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	24.14	10.81
For Work In Restricted Working Space, Add	6.49	
For Elevated Installation >10' To 15', Add	2.16	
For Elevated Installation >15' To 20', Add	4.32	
For Elevated Installation >20' To 25', Add	5.41	
For Elevated Installation >25' To 30', Add	7.57	
For Elevated Installation >30' To 35', Add	8.65	
For Elevated Installation >35' To 40', Add	10.81	
For Elevated Installation >40', Add	11.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.49	
26 05 33 13-0201 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	28.04	12.17
For Work In Restricted Working Space, Add	7.30	
For Elevated Installation >10' To 15', Add	2.43	
For Elevated Installation >15' To 20', Add	4.86	
For Elevated Installation >20' To 25', Add	6.08	
For Elevated Installation >25' To 30', Add	8.51	
For Elevated Installation >30' To 35', Add	9.73	
For Elevated Installation >35' To 40', Add	12.16	
For Elevated Installation >40', Add	13.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.30	
26 05 33 13-0202 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	32.41	13.52
For Work In Restricted Working Space, Add	8.11	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.41	
For Elevated Installation >20' To 25', Add	6.76	
For Elevated Installation >25' To 30', Add	9.46	
For Elevated Installation >30' To 35', Add	10.81	
For Elevated Installation >35' To 40', Add	13.52	
For Elevated Installation >40', Add	14.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0203 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	40.45	16.90
For Work In Restricted Working Space, Add	10.13	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.76	
For Elevated Installation >20' To 25', Add	8.45	
For Elevated Installation >25' To 30', Add	11.82	
For Elevated Installation >30' To 35', Add	13.51	
For Elevated Installation >35' To 40', Add	16.89	
For Elevated Installation >40', Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 05 33 13-0204 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	49.86	20.27
For Work In Restricted Working Space, Add	12.16	
For Elevated Installation >10' To 15', Add	4.05	
For Elevated Installation >15' To 20', Add	8.11	
For Elevated Installation >20' To 25', Add	10.14	
For Elevated Installation >25' To 30', Add	14.19	
For Elevated Installation >30' To 35', Add	16.22	
For Elevated Installation >35' To 40', Add	20.27	
For Elevated Installation >40', Add	22.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.16	
26 05 33 13-0205 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	66.86	23.65
For Work In Restricted Working Space, Add	14.19	
For Elevated Installation >10' To 15', Add	4.73	
For Elevated Installation >15' To 20', Add	9.46	
For Elevated Installation >20' To 25', Add	11.83	
For Elevated Installation >25' To 30', Add	16.56	
For Elevated Installation >30' To 35', Add	18.92	
For Elevated Installation >35' To 40', Add	23.65	
For Elevated Installation >40', Add	26.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.19	
26 05 33 13-0206 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	78.69	27.03
For Work In Restricted Working Space, Add	16.22	
For Elevated Installation >10' To 15', Add	5.41	
For Elevated Installation >15' To 20', Add	10.81	
For Elevated Installation >20' To 25', Add	13.51	
For Elevated Installation >25' To 30', Add	18.92	
For Elevated Installation >30' To 35', Add	21.62	
For Elevated Installation >35' To 40', Add	27.03	
For Elevated Installation >40', Add	29.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.22	
26 05 33 13-0207 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	99.78	30.40
For Work In Restricted Working Space, Add	18.25	
For Elevated Installation >10' To 15', Add	6.08	
For Elevated Installation >15' To 20', Add	12.16	
For Elevated Installation >20' To 25', Add	15.21	
For Elevated Installation >25' To 30', Add	21.29	
For Elevated Installation >30' To 35', Add	24.33	
For Elevated Installation >35' To 40', Add	30.41	
For Elevated Installation >40', Add	33.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.25	
26 05 33 13-0208 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	135.35	33.78
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 33 13-0209 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	174.04	37.17
For Work In Restricted Working Space, Add	22.30	
For Elevated Installation >10' To 15', Add	7.43	
For Elevated Installation >15' To 20', Add	14.86	
For Elevated Installation >20' To 25', Add	18.58	
For Elevated Installation >25' To 30', Add	26.01	
For Elevated Installation >30' To 35', Add	29.73	
For Elevated Installation >35' To 40', Add	37.16	
For Elevated Installation >40', Add	40.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.30	
26 05 33 13-0210 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	238.92	40.54
For Work In Restricted Working Space, Add	24.33	
For Elevated Installation >10' To 15', Add	8.11	
For Elevated Installation >15' To 20', Add	16.22	
For Elevated Installation >20' To 25', Add	20.27	
For Elevated Installation >25' To 30', Add	28.38	
For Elevated Installation >30' To 35', Add	32.44	
For Elevated Installation >35' To 40', Add	40.55	
For Elevated Installation >40', Add	44.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.33	

26 05 33 13-0211 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing (26 05 33 13-0059)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0212 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	31.16	12.17
For Work In Restricted Working Space, Add	7.30	
For Elevated Installation >10' To 15', Add	2.43	
For Elevated Installation >15' To 20', Add	4.86	
For Elevated Installation >20' To 25', Add	6.08	
For Elevated Installation >25' To 30', Add	8.51	
For Elevated Installation >30' To 35', Add	9.73	
For Elevated Installation >35' To 40', Add	12.16	
For Elevated Installation >40', Add	13.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.30	
26 05 33 13-0213 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	34.84	13.52
For Work In Restricted Working Space, Add	8.11	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.41	
For Elevated Installation >20' To 25', Add	6.76	
For Elevated Installation >25' To 30', Add	9.46	
For Elevated Installation >30' To 35', Add	10.81	
For Elevated Installation >35' To 40', Add	13.52	
For Elevated Installation >40', Add	14.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.11	
26 05 33 13-0214 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	39.47	14.86
For Work In Restricted Working Space, Add	8.92	
For Elevated Installation >10' To 15', Add	2.97	
For Elevated Installation >15' To 20', Add	5.95	
For Elevated Installation >20' To 25', Add	7.43	
For Elevated Installation >25' To 30', Add	10.41	
For Elevated Installation >30' To 35', Add	11.89	
For Elevated Installation >35' To 40', Add	14.87	
For Elevated Installation >40', Add	16.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.92	
26 05 33 13-0215 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	46.39	16.90
For Work In Restricted Working Space, Add	10.13	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.76	
For Elevated Installation >20' To 25', Add	8.45	
For Elevated Installation >25' To 30', Add	11.82	
For Elevated Installation >30' To 35', Add	13.51	
For Elevated Installation >35' To 40', Add	16.89	
For Elevated Installation >40', Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 05 33 13-0216 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	56.45	20.94
For Work In Restricted Working Space, Add	12.57	
For Elevated Installation >10' To 15', Add	4.19	
For Elevated Installation >15' To 20', Add	8.38	
For Elevated Installation >20' To 25', Add	10.48	
For Elevated Installation >25' To 30', Add	14.67	
For Elevated Installation >30' To 35', Add	16.76	
For Elevated Installation >35' To 40', Add	20.95	
For Elevated Installation >40', Add	23.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.57	
26 05 33 13-0217 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	70.22	25.00
For Work In Restricted Working Space, Add	15.00	
For Elevated Installation >10' To 15', Add	5.00	
For Elevated Installation >15' To 20', Add	10.00	
For Elevated Installation >20' To 25', Add	12.50	
For Elevated Installation >25' To 30', Add	17.50	
For Elevated Installation >30' To 35', Add	20.00	
For Elevated Installation >35' To 40', Add	25.00	
For Elevated Installation >40', Add	27.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.00	
26 05 33 13-0218 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	91.13	29.05
For Work In Restricted Working Space, Add	17.43	
For Elevated Installation >10' To 15', Add	5.81	
For Elevated Installation >15' To 20', Add	11.62	
For Elevated Installation >20' To 25', Add	14.53	
For Elevated Installation >25' To 30', Add	20.34	
For Elevated Installation >30' To 35', Add	23.24	
For Elevated Installation >35' To 40', Add	29.06	
For Elevated Installation >40', Add	31.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.43	
26 05 33 13-0219 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	101.64	33.78
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0220 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	114.70	37.84
For Work In Restricted Working Space, Add	22.70	
For Elevated Installation >10' To 15', Add	7.57	
For Elevated Installation >15' To 20', Add	15.14	
For Elevated Installation >20' To 25', Add	18.92	
For Elevated Installation >25' To 30', Add	26.49	
For Elevated Installation >30' To 35', Add	30.27	
For Elevated Installation >35' To 40', Add	37.84	
For Elevated Installation >40', Add	41.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.70	
26 05 33 13-0221 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	143.50	41.90
For Work In Restricted Working Space, Add	25.13	
For Elevated Installation >10' To 15', Add	8.38	
For Elevated Installation >15' To 20', Add	16.76	
For Elevated Installation >20' To 25', Add	20.95	
For Elevated Installation >25' To 30', Add	29.32	
For Elevated Installation >30' To 35', Add	33.51	
For Elevated Installation >35' To 40', Add	41.89	
For Elevated Installation >40', Add	46.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.13	
26 05 33 13-0222 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	194.69	45.95
For Work In Restricted Working Space, Add	27.57	
For Elevated Installation >10' To 15', Add	9.19	
For Elevated Installation >15' To 20', Add	18.38	
For Elevated Installation >20' To 25', Add	22.97	
For Elevated Installation >25' To 30', Add	32.16	
For Elevated Installation >30' To 35', Add	36.76	
For Elevated Installation >35' To 40', Add	45.95	
For Elevated Installation >40', Add	50.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.57	
26 05 33 13-0223 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	259.81	50.68
For Work In Restricted Working Space, Add	30.41	
For Elevated Installation >10' To 15', Add	10.14	
For Elevated Installation >15' To 20', Add	20.27	
For Elevated Installation >20' To 25', Add	25.34	
For Elevated Installation >25' To 30', Add	35.47	
For Elevated Installation >30' To 35', Add	40.54	
For Elevated Installation >35' To 40', Add	50.68	
For Elevated Installation >40', Add	55.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.41	
26 05 33 13-0224 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw <small>(26 05 33 13-0059)</small>		
26 05 33 13-0225 EA 1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	20.41	6.21
For Work In Restricted Working Space, Add	4.63	
For Elevated Installation >10' To 15', Add	1.54	
For Elevated Installation >15' To 20', Add	3.08	
For Elevated Installation >20' To 25', Add	3.86	
For Elevated Installation >25' To 30', Add	5.40	
For Elevated Installation >30' To 35', Add	6.17	
For Elevated Installation >35' To 40', Add	7.71	
For Elevated Installation >40', Add	8.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 05 33 13-0226 EA 3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	24.77	7.16
For Work In Restricted Working Space, Add	5.36	
For Elevated Installation >10' To 15', Add	1.79	
For Elevated Installation >15' To 20', Add	3.57	
For Elevated Installation >20' To 25', Add	4.46	
For Elevated Installation >25' To 30', Add	6.25	
For Elevated Installation >30' To 35', Add	7.14	
For Elevated Installation >35' To 40', Add	8.93	
For Elevated Installation >40', Add	9.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.36	
26 05 33 13-0227 EA 1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	32.57	8.65
For Work In Restricted Working Space, Add	6.46	
For Elevated Installation >10' To 15', Add	2.15	
For Elevated Installation >15' To 20', Add	4.31	
For Elevated Installation >20' To 25', Add	5.38	
For Elevated Installation >25' To 30', Add	7.54	
For Elevated Installation >30' To 35', Add	8.61	
For Elevated Installation >35' To 40', Add	10.77	
For Elevated Installation >40', Add	11.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.46	
26 05 33 13-0228 EA 1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	48.42	10.67
For Work In Restricted Working Space, Add	8.03	
For Elevated Installation >10' To 15', Add	2.68	
For Elevated Installation >15' To 20', Add	5.36	
For Elevated Installation >20' To 25', Add	6.70	
For Elevated Installation >25' To 30', Add	9.37	
For Elevated Installation >30' To 35', Add	10.71	
For Elevated Installation >35' To 40', Add	13.39	
For Elevated Installation >40', Add	14.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.03	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0229 EA 1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	65.56	14.33
For Work In Restricted Working Space, Add	10.75	
For Elevated Installation >10' To 15', Add	3.58	
For Elevated Installation >15' To 20', Add	7.17	
For Elevated Installation >20' To 25', Add	8.96	
For Elevated Installation >25' To 30', Add	12.54	
For Elevated Installation >30' To 35', Add	14.34	
For Elevated Installation >35' To 40', Add	17.92	
For Elevated Installation >40', Add	19.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.75	
26 05 33 13-0230 EA 2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	111.97	21.48
For Work In Restricted Working Space, Add	16.11	
For Elevated Installation >10' To 15', Add	5.37	
For Elevated Installation >15' To 20', Add	10.74	
For Elevated Installation >20' To 25', Add	13.42	
For Elevated Installation >25' To 30', Add	18.79	
For Elevated Installation >30' To 35', Add	21.48	
For Elevated Installation >35' To 40', Add	26.85	
For Elevated Installation >40', Add	29.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.11	
26 05 33 13-0231 EA 2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	203.68	23.79
For Work In Restricted Working Space, Add	17.84	
For Elevated Installation >10' To 15', Add	5.95	
For Elevated Installation >15' To 20', Add	11.89	
For Elevated Installation >20' To 25', Add	14.87	
For Elevated Installation >25' To 30', Add	20.81	
For Elevated Installation >30' To 35', Add	23.78	
For Elevated Installation >35' To 40', Add	29.73	
For Elevated Installation >40', Add	32.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.84	
26 05 33 13-0232 EA 3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	242.73	28.79
For Work In Restricted Working Space, Add	21.61	
For Elevated Installation >10' To 15', Add	7.20	
For Elevated Installation >15' To 20', Add	14.40	
For Elevated Installation >20' To 25', Add	18.01	
For Elevated Installation >25' To 30', Add	25.21	
For Elevated Installation >30' To 35', Add	28.81	
For Elevated Installation >35' To 40', Add	36.01	
For Elevated Installation >40', Add	39.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.61	
26 05 33 13-0233 EA 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	328.57	36.09
For Work In Restricted Working Space, Add	27.05	
For Elevated Installation >10' To 15', Add	9.02	
For Elevated Installation >15' To 20', Add	18.03	
For Elevated Installation >20' To 25', Add	22.54	
For Elevated Installation >25' To 30', Add	31.56	
For Elevated Installation >30' To 35', Add	36.06	
For Elevated Installation >35' To 40', Add	45.08	
For Elevated Installation >40', Add	49.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.05	
26 05 33 13-0234 EA 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	384.79	43.25
For Work In Restricted Working Space, Add	32.43	
For Elevated Installation >10' To 15', Add	10.81	
For Elevated Installation >15' To 20', Add	21.62	
For Elevated Installation >20' To 25', Add	27.03	
For Elevated Installation >25' To 30', Add	37.84	
For Elevated Installation >30' To 35', Add	43.24	
For Elevated Installation >35' To 40', Add	54.06	
For Elevated Installation >40', Add	59.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.43	
26 05 33 13-0235 EA 5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	679.38	48.11
For Work In Restricted Working Space, Add	36.04	
For Elevated Installation >10' To 15', Add	12.01	
For Elevated Installation >15' To 20', Add	24.03	
For Elevated Installation >20' To 25', Add	30.04	
For Elevated Installation >25' To 30', Add	42.05	
For Elevated Installation >30' To 35', Add	48.06	
For Elevated Installation >35' To 40', Add	60.07	
For Elevated Installation >40', Add	66.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.04	
26 05 33 13-0236 EA 6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	812.08	54.05
For Work In Restricted Working Space, Add	40.53	
For Elevated Installation >10' To 15', Add	13.51	
For Elevated Installation >15' To 20', Add	27.02	
For Elevated Installation >20' To 25', Add	33.78	
For Elevated Installation >25' To 30', Add	47.29	
For Elevated Installation >30' To 35', Add	54.04	
For Elevated Installation >35' To 40', Add	67.56	
For Elevated Installation >40', Add	74.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.53	

26 05 33 13-0237 Rigid Galvanized Steel (RGS) Nipples (26 05 33 13-0059)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0238 EA 1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	19.40	8.79
For Work In Restricted Working Space, Add	5.27	
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.15	
For Elevated Installation >30' To 35', Add	7.03	
For Elevated Installation >35' To 40', Add	8.79	
For Elevated Installation >40', Add	9.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 05 33 13-0239 EA 3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	22.33	10.13
For Work In Restricted Working Space, Add	6.08	
For Elevated Installation >10' To 15', Add	2.03	
For Elevated Installation >15' To 20', Add	4.05	
For Elevated Installation >20' To 25', Add	5.07	
For Elevated Installation >25' To 30', Add	7.09	
For Elevated Installation >30' To 35', Add	8.11	
For Elevated Installation >35' To 40', Add	10.14	
For Elevated Installation >40', Add	11.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 33 13-0240 EA 1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	28.55	12.84
For Work In Restricted Working Space, Add	7.70	
For Elevated Installation >10' To 15', Add	2.57	
For Elevated Installation >15' To 20', Add	5.13	
For Elevated Installation >20' To 25', Add	6.42	
For Elevated Installation >25' To 30', Add	8.98	
For Elevated Installation >30' To 35', Add	10.27	
For Elevated Installation >35' To 40', Add	12.84	
For Elevated Installation >40', Add	14.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-0241 EA 1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	33.39	14.86
For Work In Restricted Working Space, Add	8.92	
For Elevated Installation >10' To 15', Add	2.97	
For Elevated Installation >15' To 20', Add	5.95	
For Elevated Installation >20' To 25', Add	7.43	
For Elevated Installation >25' To 30', Add	10.41	
For Elevated Installation >30' To 35', Add	11.89	
For Elevated Installation >35' To 40', Add	14.87	
For Elevated Installation >40', Add	16.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.92	
26 05 33 13-0242 EA 1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	38.12	16.90
For Work In Restricted Working Space, Add	10.13	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.76	
For Elevated Installation >20' To 25', Add	8.45	
For Elevated Installation >25' To 30', Add	11.82	
For Elevated Installation >30' To 35', Add	13.51	
For Elevated Installation >35' To 40', Add	16.89	
For Elevated Installation >40', Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 05 33 13-0243 EA 1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	19.55	8.79
For Work In Restricted Working Space, Add	5.27	
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.15	
For Elevated Installation >30' To 35', Add	7.03	
For Elevated Installation >35' To 40', Add	8.79	
For Elevated Installation >40', Add	9.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 05 33 13-0244 EA 3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	22.56	10.13
For Work In Restricted Working Space, Add	6.08	
For Elevated Installation >10' To 15', Add	2.03	
For Elevated Installation >15' To 20', Add	4.05	
For Elevated Installation >20' To 25', Add	5.07	
For Elevated Installation >25' To 30', Add	7.09	
For Elevated Installation >30' To 35', Add	8.11	
For Elevated Installation >35' To 40', Add	10.14	
For Elevated Installation >40', Add	11.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 33 13-0245 EA 1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	28.80	12.84
For Work In Restricted Working Space, Add	7.70	
For Elevated Installation >10' To 15', Add	2.57	
For Elevated Installation >15' To 20', Add	5.13	
For Elevated Installation >20' To 25', Add	6.42	
For Elevated Installation >25' To 30', Add	8.98	
For Elevated Installation >30' To 35', Add	10.27	
For Elevated Installation >35' To 40', Add	12.84	
For Elevated Installation >40', Add	14.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0246	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	33.74	14.86
		<i>For Work In Restricted Working Space, Add</i>		8.92	
		<i>For Elevated Installation >10' To 15', Add</i>		2.97	
		<i>For Elevated Installation >15' To 20', Add</i>		5.95	
		<i>For Elevated Installation >20' To 25', Add</i>		7.43	
		<i>For Elevated Installation >25' To 30', Add</i>		10.41	
		<i>For Elevated Installation >30' To 35', Add</i>		11.89	
		<i>For Elevated Installation >35' To 40', Add</i>		14.87	
		<i>For Elevated Installation >40', Add</i>		16.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		8.92	
26 05 33 13-0247	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	38.67	16.90
		<i>For Work In Restricted Working Space, Add</i>		10.13	
		<i>For Elevated Installation >10' To 15', Add</i>		3.38	
		<i>For Elevated Installation >15' To 20', Add</i>		6.76	
		<i>For Elevated Installation >20' To 25', Add</i>		8.45	
		<i>For Elevated Installation >25' To 30', Add</i>		11.82	
		<i>For Elevated Installation >30' To 35', Add</i>		13.51	
		<i>For Elevated Installation >35' To 40', Add</i>		16.89	
		<i>For Elevated Installation >40', Add</i>		18.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.13	
26 05 33 13-0248	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	43.75	18.92
		<i>For Work In Restricted Working Space, Add</i>		11.35	
		<i>For Elevated Installation >10' To 15', Add</i>		3.78	
		<i>For Elevated Installation >15' To 20', Add</i>		7.57	
		<i>For Elevated Installation >20' To 25', Add</i>		9.46	
		<i>For Elevated Installation >25' To 30', Add</i>		13.24	
		<i>For Elevated Installation >30' To 35', Add</i>		15.14	
		<i>For Elevated Installation >35' To 40', Add</i>		18.92	
		<i>For Elevated Installation >40', Add</i>		20.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		11.35	
26 05 33 13-0249	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	19.71	8.79
		<i>For Work In Restricted Working Space, Add</i>		5.27	
		<i>For Elevated Installation >10' To 15', Add</i>		1.76	
		<i>For Elevated Installation >15' To 20', Add</i>		3.51	
		<i>For Elevated Installation >20' To 25', Add</i>		4.39	
		<i>For Elevated Installation >25' To 30', Add</i>		6.15	
		<i>For Elevated Installation >30' To 35', Add</i>		7.03	
		<i>For Elevated Installation >35' To 40', Add</i>		8.79	
		<i>For Elevated Installation >40', Add</i>		9.66	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.27	
26 05 33 13-0250	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	22.77	10.13
		<i>For Work In Restricted Working Space, Add</i>		6.08	
		<i>For Elevated Installation >10' To 15', Add</i>		2.03	
		<i>For Elevated Installation >15' To 20', Add</i>		4.05	
		<i>For Elevated Installation >20' To 25', Add</i>		5.07	
		<i>For Elevated Installation >25' To 30', Add</i>		7.09	
		<i>For Elevated Installation >30' To 35', Add</i>		8.11	
		<i>For Elevated Installation >35' To 40', Add</i>		10.14	
		<i>For Elevated Installation >40', Add</i>		11.15	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.08	
26 05 33 13-0251	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	29.15	12.84
		<i>For Work In Restricted Working Space, Add</i>		7.70	
		<i>For Elevated Installation >10' To 15', Add</i>		2.57	
		<i>For Elevated Installation >15' To 20', Add</i>		5.13	
		<i>For Elevated Installation >20' To 25', Add</i>		6.42	
		<i>For Elevated Installation >25' To 30', Add</i>		8.98	
		<i>For Elevated Installation >30' To 35', Add</i>		10.27	
		<i>For Elevated Installation >35' To 40', Add</i>		12.84	
		<i>For Elevated Installation >40', Add</i>		14.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.70	
26 05 33 13-0252	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	34.05	14.86
		<i>For Work In Restricted Working Space, Add</i>		8.92	
		<i>For Elevated Installation >10' To 15', Add</i>		2.97	
		<i>For Elevated Installation >15' To 20', Add</i>		5.95	
		<i>For Elevated Installation >20' To 25', Add</i>		7.43	
		<i>For Elevated Installation >25' To 30', Add</i>		10.41	
		<i>For Elevated Installation >30' To 35', Add</i>		11.89	
		<i>For Elevated Installation >35' To 40', Add</i>		14.87	
		<i>For Elevated Installation >40', Add</i>		16.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		8.92	
26 05 33 13-0253	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	39.05	16.90
		<i>For Work In Restricted Working Space, Add</i>		10.13	
		<i>For Elevated Installation >10' To 15', Add</i>		3.38	
		<i>For Elevated Installation >15' To 20', Add</i>		6.76	
		<i>For Elevated Installation >20' To 25', Add</i>		8.45	
		<i>For Elevated Installation >25' To 30', Add</i>		11.82	
		<i>For Elevated Installation >30' To 35', Add</i>		13.51	
		<i>For Elevated Installation >35' To 40', Add</i>		16.89	
		<i>For Elevated Installation >40', Add</i>		18.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0254 EA 2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	44.68	18.92
For Work In Restricted Working Space, Add	11.35	
For Elevated Installation >10' To 15', Add	3.78	
For Elevated Installation >15' To 20', Add	7.57	
For Elevated Installation >20' To 25', Add	9.46	
For Elevated Installation >25' To 30', Add	13.24	
For Elevated Installation >30' To 35', Add	15.14	
For Elevated Installation >35' To 40', Add	18.92	
For Elevated Installation >40', Add	20.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.35	
26 05 33 13-0255 EA 2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	60.06	22.98
For Work In Restricted Working Space, Add	13.79	
For Elevated Installation >10' To 15', Add	4.60	
For Elevated Installation >15' To 20', Add	9.19	
For Elevated Installation >20' To 25', Add	11.49	
For Elevated Installation >25' To 30', Add	16.08	
For Elevated Installation >30' To 35', Add	18.38	
For Elevated Installation >35' To 40', Add	22.98	
For Elevated Installation >40', Add	25.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.79	
26 05 33 13-0256 EA 3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	80.86	31.76
For Work In Restricted Working Space, Add	19.05	
For Elevated Installation >10' To 15', Add	6.35	
For Elevated Installation >15' To 20', Add	12.70	
For Elevated Installation >20' To 25', Add	15.88	
For Elevated Installation >25' To 30', Add	22.23	
For Elevated Installation >30' To 35', Add	25.40	
For Elevated Installation >35' To 40', Add	31.76	
For Elevated Installation >40', Add	34.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.05	
26 05 33 13-0257 EA 1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	19.91	8.79
For Work In Restricted Working Space, Add	5.27	
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.15	
For Elevated Installation >30' To 35', Add	7.03	
For Elevated Installation >35' To 40', Add	8.79	
For Elevated Installation >40', Add	9.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 05 33 13-0258 EA 3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	22.87	10.13
For Work In Restricted Working Space, Add	6.08	
For Elevated Installation >10' To 15', Add	2.03	
For Elevated Installation >15' To 20', Add	4.05	
For Elevated Installation >20' To 25', Add	5.07	
For Elevated Installation >25' To 30', Add	7.09	
For Elevated Installation >30' To 35', Add	8.11	
For Elevated Installation >35' To 40', Add	10.14	
For Elevated Installation >40', Add	11.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 33 13-0259 EA 1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.62	12.84
For Work In Restricted Working Space, Add	7.70	
For Elevated Installation >10' To 15', Add	2.57	
For Elevated Installation >15' To 20', Add	5.13	
For Elevated Installation >20' To 25', Add	6.42	
For Elevated Installation >25' To 30', Add	8.98	
For Elevated Installation >30' To 35', Add	10.27	
For Elevated Installation >35' To 40', Add	12.84	
For Elevated Installation >40', Add	14.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-0260 EA 1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	34.64	14.86
For Work In Restricted Working Space, Add	8.92	
For Elevated Installation >10' To 15', Add	2.97	
For Elevated Installation >15' To 20', Add	5.95	
For Elevated Installation >20' To 25', Add	7.43	
For Elevated Installation >25' To 30', Add	10.41	
For Elevated Installation >30' To 35', Add	11.89	
For Elevated Installation >35' To 40', Add	14.87	
For Elevated Installation >40', Add	16.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.92	
26 05 33 13-0261 EA 1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	39.83	16.90
For Work In Restricted Working Space, Add	10.13	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.76	
For Elevated Installation >20' To 25', Add	8.45	
For Elevated Installation >25' To 30', Add	11.82	
For Elevated Installation >30' To 35', Add	13.51	
For Elevated Installation >35' To 40', Add	16.89	
For Elevated Installation >40', Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	

26 Electrical
26 05 Common Work Results for Electrical
26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0262	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	45.62	18.92
			<i>For Work In Restricted Working Space, Add</i>	11.35	
			<i>For Elevated Installation >10' To 15', Add</i>	3.78	
			<i>For Elevated Installation >15' To 20', Add</i>	7.57	
			<i>For Elevated Installation >20' To 25', Add</i>	9.46	
			<i>For Elevated Installation >25' To 30', Add</i>	13.24	
			<i>For Elevated Installation >30' To 35', Add</i>	15.14	
			<i>For Elevated Installation >35' To 40', Add</i>	18.92	
			<i>For Elevated Installation >40', Add</i>	20.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33	13-0263	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	62.63	22.98
			<i>For Work In Restricted Working Space, Add</i>	13.79	
			<i>For Elevated Installation >10' To 15', Add</i>	4.60	
			<i>For Elevated Installation >15' To 20', Add</i>	9.19	
			<i>For Elevated Installation >20' To 25', Add</i>	11.49	
			<i>For Elevated Installation >25' To 30', Add</i>	16.08	
			<i>For Elevated Installation >30' To 35', Add</i>	18.38	
			<i>For Elevated Installation >35' To 40', Add</i>	22.98	
			<i>For Elevated Installation >40', Add</i>	25.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33	13-0264	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	83.09	31.76
			<i>For Work In Restricted Working Space, Add</i>	19.05	
			<i>For Elevated Installation >10' To 15', Add</i>	6.35	
			<i>For Elevated Installation >15' To 20', Add</i>	12.70	
			<i>For Elevated Installation >20' To 25', Add</i>	15.88	
			<i>For Elevated Installation >25' To 30', Add</i>	22.23	
			<i>For Elevated Installation >30' To 35', Add</i>	25.40	
			<i>For Elevated Installation >35' To 40', Add</i>	31.76	
			<i>For Elevated Installation >40', Add</i>	34.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.05	
26 05 33	13-0265	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	20.11	8.79
			<i>For Work In Restricted Working Space, Add</i>	5.27	
			<i>For Elevated Installation >10' To 15', Add</i>	1.76	
			<i>For Elevated Installation >15' To 20', Add</i>	3.51	
			<i>For Elevated Installation >20' To 25', Add</i>	4.39	
			<i>For Elevated Installation >25' To 30', Add</i>	6.15	
			<i>For Elevated Installation >30' To 35', Add</i>	7.03	
			<i>For Elevated Installation >35' To 40', Add</i>	8.79	
			<i>For Elevated Installation >40', Add</i>	9.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33	13-0266	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	23.23	10.13
			<i>For Work In Restricted Working Space, Add</i>	6.08	
			<i>For Elevated Installation >10' To 15', Add</i>	2.03	
			<i>For Elevated Installation >15' To 20', Add</i>	4.05	
			<i>For Elevated Installation >20' To 25', Add</i>	5.07	
			<i>For Elevated Installation >25' To 30', Add</i>	7.09	
			<i>For Elevated Installation >30' To 35', Add</i>	8.11	
			<i>For Elevated Installation >35' To 40', Add</i>	10.14	
			<i>For Elevated Installation >40', Add</i>	11.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33	13-0267	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	29.91	12.84
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Elevated Installation >10' To 15', Add</i>	2.57	
			<i>For Elevated Installation >15' To 20', Add</i>	5.13	
			<i>For Elevated Installation >20' To 25', Add</i>	6.42	
			<i>For Elevated Installation >25' To 30', Add</i>	8.98	
			<i>For Elevated Installation >30' To 35', Add</i>	10.27	
			<i>For Elevated Installation >35' To 40', Add</i>	12.84	
			<i>For Elevated Installation >40', Add</i>	14.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33	13-0268	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	34.93	14.86
			<i>For Work In Restricted Working Space, Add</i>	8.92	
			<i>For Elevated Installation >10' To 15', Add</i>	2.97	
			<i>For Elevated Installation >15' To 20', Add</i>	5.95	
			<i>For Elevated Installation >20' To 25', Add</i>	7.43	
			<i>For Elevated Installation >25' To 30', Add</i>	10.41	
			<i>For Elevated Installation >30' To 35', Add</i>	11.89	
			<i>For Elevated Installation >35' To 40', Add</i>	14.87	
			<i>For Elevated Installation >40', Add</i>	16.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.92	
26 05 33	13-0269	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	40.37	16.90
			<i>For Work In Restricted Working Space, Add</i>	10.13	
			<i>For Elevated Installation >10' To 15', Add</i>	3.38	
			<i>For Elevated Installation >15' To 20', Add</i>	6.76	
			<i>For Elevated Installation >20' To 25', Add</i>	8.45	
			<i>For Elevated Installation >25' To 30', Add</i>	11.82	
			<i>For Elevated Installation >30' To 35', Add</i>	13.51	
			<i>For Elevated Installation >35' To 40', Add</i>	16.89	
			<i>For Elevated Installation >40', Add</i>	18.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0270 EA 2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	46.43	18.92
For Work In Restricted Working Space, Add	11.35	
For Elevated Installation >10' To 15', Add	3.78	
For Elevated Installation >15' To 20', Add	7.57	
For Elevated Installation >20' To 25', Add	9.46	
For Elevated Installation >25' To 30', Add	13.24	
For Elevated Installation >30' To 35', Add	15.14	
For Elevated Installation >35' To 40', Add	18.92	
For Elevated Installation >40', Add	20.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.35	
26 05 33 13-0271 EA 2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	63.42	22.98
For Work In Restricted Working Space, Add	13.79	
For Elevated Installation >10' To 15', Add	4.60	
For Elevated Installation >15' To 20', Add	9.19	
For Elevated Installation >20' To 25', Add	11.49	
For Elevated Installation >25' To 30', Add	16.08	
For Elevated Installation >30' To 35', Add	18.38	
For Elevated Installation >35' To 40', Add	22.98	
For Elevated Installation >40', Add	25.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.79	
26 05 33 13-0272 EA 3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	84.73	31.76
For Work In Restricted Working Space, Add	19.05	
For Elevated Installation >10' To 15', Add	6.35	
For Elevated Installation >15' To 20', Add	12.70	
For Elevated Installation >20' To 25', Add	15.88	
For Elevated Installation >25' To 30', Add	22.23	
For Elevated Installation >30' To 35', Add	25.40	
For Elevated Installation >35' To 40', Add	31.76	
For Elevated Installation >40', Add	34.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.05	
26 05 33 13-0273 EA 3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	97.45	35.81
For Work In Restricted Working Space, Add	21.49	
For Elevated Installation >10' To 15', Add	7.16	
For Elevated Installation >15' To 20', Add	14.32	
For Elevated Installation >20' To 25', Add	17.91	
For Elevated Installation >25' To 30', Add	25.07	
For Elevated Installation >30' To 35', Add	28.65	
For Elevated Installation >35' To 40', Add	35.81	
For Elevated Installation >40', Add	39.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.49	
26 05 33 13-0274 EA 4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	122.24	46.63
For Work In Restricted Working Space, Add	27.97	
For Elevated Installation >10' To 15', Add	9.32	
For Elevated Installation >15' To 20', Add	18.65	
For Elevated Installation >20' To 25', Add	23.31	
For Elevated Installation >25' To 30', Add	32.63	
For Elevated Installation >30' To 35', Add	37.30	
For Elevated Installation >35' To 40', Add	46.62	
For Elevated Installation >40', Add	51.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.97	
26 05 33 13-0275 EA 1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	20.41	8.79
For Work In Restricted Working Space, Add	5.27	
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.15	
For Elevated Installation >30' To 35', Add	7.03	
For Elevated Installation >35' To 40', Add	8.79	
For Elevated Installation >40', Add	9.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 05 33 13-0276 EA 3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	23.67	10.13
For Work In Restricted Working Space, Add	6.08	
For Elevated Installation >10' To 15', Add	2.03	
For Elevated Installation >15' To 20', Add	4.05	
For Elevated Installation >20' To 25', Add	5.07	
For Elevated Installation >25' To 30', Add	7.09	
For Elevated Installation >30' To 35', Add	8.11	
For Elevated Installation >35' To 40', Add	10.14	
For Elevated Installation >40', Add	11.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 33 13-0277 EA 1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	30.48	12.84
For Work In Restricted Working Space, Add	7.70	
For Elevated Installation >10' To 15', Add	2.57	
For Elevated Installation >15' To 20', Add	5.13	
For Elevated Installation >20' To 25', Add	6.42	
For Elevated Installation >25' To 30', Add	8.98	
For Elevated Installation >30' To 35', Add	10.27	
For Elevated Installation >35' To 40', Add	12.84	
For Elevated Installation >40', Add	14.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0278	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	35.75	14.86
			<i>For Work In Restricted Working Space, Add</i>	8.92	
			<i>For Elevated Installation >10' To 15', Add</i>	2.97	
			<i>For Elevated Installation >15' To 20', Add</i>	5.95	
			<i>For Elevated Installation >20' To 25', Add</i>	7.43	
			<i>For Elevated Installation >25' To 30', Add</i>	10.41	
			<i>For Elevated Installation >30' To 35', Add</i>	11.89	
			<i>For Elevated Installation >35' To 40', Add</i>	14.87	
			<i>For Elevated Installation >40', Add</i>	16.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.92	
26 05 33	13-0279	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	41.17	16.90
			<i>For Work In Restricted Working Space, Add</i>	10.13	
			<i>For Elevated Installation >10' To 15', Add</i>	3.38	
			<i>For Elevated Installation >15' To 20', Add</i>	6.76	
			<i>For Elevated Installation >20' To 25', Add</i>	8.45	
			<i>For Elevated Installation >25' To 30', Add</i>	11.82	
			<i>For Elevated Installation >30' To 35', Add</i>	13.51	
			<i>For Elevated Installation >35' To 40', Add</i>	16.89	
			<i>For Elevated Installation >40', Add</i>	18.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 33	13-0280	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	47.87	18.92
			<i>For Work In Restricted Working Space, Add</i>	11.35	
			<i>For Elevated Installation >10' To 15', Add</i>	3.78	
			<i>For Elevated Installation >15' To 20', Add</i>	7.57	
			<i>For Elevated Installation >20' To 25', Add</i>	9.46	
			<i>For Elevated Installation >25' To 30', Add</i>	13.24	
			<i>For Elevated Installation >30' To 35', Add</i>	15.14	
			<i>For Elevated Installation >35' To 40', Add</i>	18.92	
			<i>For Elevated Installation >40', Add</i>	20.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33	13-0281	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	66.60	22.98
			<i>For Work In Restricted Working Space, Add</i>	13.79	
			<i>For Elevated Installation >10' To 15', Add</i>	4.60	
			<i>For Elevated Installation >15' To 20', Add</i>	9.19	
			<i>For Elevated Installation >20' To 25', Add</i>	11.49	
			<i>For Elevated Installation >25' To 30', Add</i>	16.08	
			<i>For Elevated Installation >30' To 35', Add</i>	18.38	
			<i>For Elevated Installation >35' To 40', Add</i>	22.98	
			<i>For Elevated Installation >40', Add</i>	25.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33	13-0282	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	88.18	31.76
			<i>For Work In Restricted Working Space, Add</i>	19.05	
			<i>For Elevated Installation >10' To 15', Add</i>	6.35	
			<i>For Elevated Installation >15' To 20', Add</i>	12.70	
			<i>For Elevated Installation >20' To 25', Add</i>	15.88	
			<i>For Elevated Installation >25' To 30', Add</i>	22.23	
			<i>For Elevated Installation >30' To 35', Add</i>	25.40	
			<i>For Elevated Installation >35' To 40', Add</i>	31.76	
			<i>For Elevated Installation >40', Add</i>	34.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.05	
26 05 33	13-0283	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	100.88	35.81
			<i>For Work In Restricted Working Space, Add</i>	21.49	
			<i>For Elevated Installation >10' To 15', Add</i>	7.16	
			<i>For Elevated Installation >15' To 20', Add</i>	14.32	
			<i>For Elevated Installation >20' To 25', Add</i>	17.91	
			<i>For Elevated Installation >25' To 30', Add</i>	25.07	
			<i>For Elevated Installation >30' To 35', Add</i>	28.65	
			<i>For Elevated Installation >35' To 40', Add</i>	35.81	
			<i>For Elevated Installation >40', Add</i>	39.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.49	
26 05 33	13-0284	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	127.24	46.63
			<i>For Work In Restricted Working Space, Add</i>	27.97	
			<i>For Elevated Installation >10' To 15', Add</i>	9.32	
			<i>For Elevated Installation >15' To 20', Add</i>	18.65	
			<i>For Elevated Installation >20' To 25', Add</i>	23.31	
			<i>For Elevated Installation >25' To 30', Add</i>	32.63	
			<i>For Elevated Installation >30' To 35', Add</i>	37.30	
			<i>For Elevated Installation >35' To 40', Add</i>	46.62	
			<i>For Elevated Installation >40', Add</i>	51.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33	13-0285	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	194.38	64.19
			<i>For Work In Restricted Working Space, Add</i>	38.51	
			<i>For Elevated Installation >10' To 15', Add</i>	12.84	
			<i>For Elevated Installation >15' To 20', Add</i>	25.68	
			<i>For Elevated Installation >20' To 25', Add</i>	32.10	
			<i>For Elevated Installation >25' To 30', Add</i>	44.93	
			<i>For Elevated Installation >30' To 35', Add</i>	51.35	
			<i>For Elevated Installation >35' To 40', Add</i>	64.19	
			<i>For Elevated Installation >40', Add</i>	70.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0286 EA 6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	246.96	82.30
For Work In Restricted Working Space, Add	49.41	
For Elevated Installation >10' To 15', Add	16.47	
For Elevated Installation >15' To 20', Add	32.94	
For Elevated Installation >20' To 25', Add	41.18	
For Elevated Installation >25' To 30', Add	57.65	
For Elevated Installation >30' To 35', Add	65.88	
For Elevated Installation >35' To 40', Add	82.35	
For Elevated Installation >40', Add	90.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.41	
26 05 33 13-0287 EA 1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	20.96	8.79
For Work In Restricted Working Space, Add	5.27	
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.15	
For Elevated Installation >30' To 35', Add	7.03	
For Elevated Installation >35' To 40', Add	8.79	
For Elevated Installation >40', Add	9.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 05 33 13-0288 EA 3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	24.24	10.13
For Work In Restricted Working Space, Add	6.08	
For Elevated Installation >10' To 15', Add	2.03	
For Elevated Installation >15' To 20', Add	4.05	
For Elevated Installation >20' To 25', Add	5.07	
For Elevated Installation >25' To 30', Add	7.09	
For Elevated Installation >30' To 35', Add	8.11	
For Elevated Installation >35' To 40', Add	10.14	
For Elevated Installation >40', Add	11.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 33 13-0289 EA 1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	30.92	12.84
For Work In Restricted Working Space, Add	7.70	
For Elevated Installation >10' To 15', Add	2.57	
For Elevated Installation >15' To 20', Add	5.13	
For Elevated Installation >20' To 25', Add	6.42	
For Elevated Installation >25' To 30', Add	8.98	
For Elevated Installation >30' To 35', Add	10.27	
For Elevated Installation >35' To 40', Add	12.84	
For Elevated Installation >40', Add	14.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-0290 EA 1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	36.51	14.86
For Work In Restricted Working Space, Add	8.92	
For Elevated Installation >10' To 15', Add	2.97	
For Elevated Installation >15' To 20', Add	5.95	
For Elevated Installation >20' To 25', Add	7.43	
For Elevated Installation >25' To 30', Add	10.41	
For Elevated Installation >30' To 35', Add	11.89	
For Elevated Installation >35' To 40', Add	14.87	
For Elevated Installation >40', Add	16.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.92	
26 05 33 13-0291 EA 1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	42.86	16.90
For Work In Restricted Working Space, Add	10.13	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.76	
For Elevated Installation >20' To 25', Add	8.45	
For Elevated Installation >25' To 30', Add	11.82	
For Elevated Installation >30' To 35', Add	13.51	
For Elevated Installation >35' To 40', Add	16.89	
For Elevated Installation >40', Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 05 33 13-0292 EA 2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	49.30	18.92
For Work In Restricted Working Space, Add	11.35	
For Elevated Installation >10' To 15', Add	3.78	
For Elevated Installation >15' To 20', Add	7.57	
For Elevated Installation >20' To 25', Add	9.46	
For Elevated Installation >25' To 30', Add	13.24	
For Elevated Installation >30' To 35', Add	15.14	
For Elevated Installation >35' To 40', Add	18.92	
For Elevated Installation >40', Add	20.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.35	
26 05 33 13-0293 EA 2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	69.39	22.98
For Work In Restricted Working Space, Add	13.79	
For Elevated Installation >10' To 15', Add	4.60	
For Elevated Installation >15' To 20', Add	9.19	
For Elevated Installation >20' To 25', Add	11.49	
For Elevated Installation >25' To 30', Add	16.08	
For Elevated Installation >30' To 35', Add	18.38	
For Elevated Installation >35' To 40', Add	22.98	
For Elevated Installation >40', Add	25.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.79	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0294	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	91.68	31.76
			<i>For Work In Restricted Working Space, Add</i>	19.05	
			<i>For Elevated Installation >10' To 15', Add</i>	6.35	
			<i>For Elevated Installation >15' To 20', Add</i>	12.70	
			<i>For Elevated Installation >20' To 25', Add</i>	15.88	
			<i>For Elevated Installation >25' To 30', Add</i>	22.23	
			<i>For Elevated Installation >30' To 35', Add</i>	25.40	
			<i>For Elevated Installation >35' To 40', Add</i>	31.76	
			<i>For Elevated Installation >40', Add</i>	34.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.05	
26 05 33	13-0295	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	105.06	35.81
			<i>For Work In Restricted Working Space, Add</i>	21.49	
			<i>For Elevated Installation >10' To 15', Add</i>	7.16	
			<i>For Elevated Installation >15' To 20', Add</i>	14.32	
			<i>For Elevated Installation >20' To 25', Add</i>	17.91	
			<i>For Elevated Installation >25' To 30', Add</i>	25.07	
			<i>For Elevated Installation >30' To 35', Add</i>	28.65	
			<i>For Elevated Installation >35' To 40', Add</i>	35.81	
			<i>For Elevated Installation >40', Add</i>	39.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.49	
26 05 33	13-0296	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	131.22	46.63
			<i>For Work In Restricted Working Space, Add</i>	27.97	
			<i>For Elevated Installation >10' To 15', Add</i>	9.32	
			<i>For Elevated Installation >15' To 20', Add</i>	18.65	
			<i>For Elevated Installation >20' To 25', Add</i>	23.31	
			<i>For Elevated Installation >25' To 30', Add</i>	32.63	
			<i>For Elevated Installation >30' To 35', Add</i>	37.30	
			<i>For Elevated Installation >35' To 40', Add</i>	46.62	
			<i>For Elevated Installation >40', Add</i>	51.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33	13-0297	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	200.20	64.19
			<i>For Work In Restricted Working Space, Add</i>	38.51	
			<i>For Elevated Installation >10' To 15', Add</i>	12.84	
			<i>For Elevated Installation >15' To 20', Add</i>	25.68	
			<i>For Elevated Installation >20' To 25', Add</i>	32.10	
			<i>For Elevated Installation >25' To 30', Add</i>	44.93	
			<i>For Elevated Installation >30' To 35', Add</i>	51.35	
			<i>For Elevated Installation >35' To 40', Add</i>	64.19	
			<i>For Elevated Installation >40', Add</i>	70.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.51	
26 05 33	13-0298	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	255.47	82.30
			<i>For Work In Restricted Working Space, Add</i>	49.41	
			<i>For Elevated Installation >10' To 15', Add</i>	16.47	
			<i>For Elevated Installation >15' To 20', Add</i>	32.94	
			<i>For Elevated Installation >20' To 25', Add</i>	41.18	
			<i>For Elevated Installation >25' To 30', Add</i>	57.65	
			<i>For Elevated Installation >30' To 35', Add</i>	65.88	
			<i>For Elevated Installation >35' To 40', Add</i>	82.35	
			<i>For Elevated Installation >40', Add</i>	90.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.41	
26 05 33	13-0299	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	22.98	8.79
			<i>For Work In Restricted Working Space, Add</i>	5.27	
			<i>For Elevated Installation >10' To 15', Add</i>	1.76	
			<i>For Elevated Installation >15' To 20', Add</i>	3.51	
			<i>For Elevated Installation >20' To 25', Add</i>	4.39	
			<i>For Elevated Installation >25' To 30', Add</i>	6.15	
			<i>For Elevated Installation >30' To 35', Add</i>	7.03	
			<i>For Elevated Installation >35' To 40', Add</i>	8.79	
			<i>For Elevated Installation >40', Add</i>	9.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33	13-0300	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	26.81	10.13
			<i>For Work In Restricted Working Space, Add</i>	6.08	
			<i>For Elevated Installation >10' To 15', Add</i>	2.03	
			<i>For Elevated Installation >15' To 20', Add</i>	4.05	
			<i>For Elevated Installation >20' To 25', Add</i>	5.07	
			<i>For Elevated Installation >25' To 30', Add</i>	7.09	
			<i>For Elevated Installation >30' To 35', Add</i>	8.11	
			<i>For Elevated Installation >35' To 40', Add</i>	10.14	
			<i>For Elevated Installation >40', Add</i>	11.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33	13-0301	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	33.95	12.84
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Elevated Installation >10' To 15', Add</i>	2.57	
			<i>For Elevated Installation >15' To 20', Add</i>	5.13	
			<i>For Elevated Installation >20' To 25', Add</i>	6.42	
			<i>For Elevated Installation >25' To 30', Add</i>	8.98	
			<i>For Elevated Installation >30' To 35', Add</i>	10.27	
			<i>For Elevated Installation >35' To 40', Add</i>	12.84	
			<i>For Elevated Installation >40', Add</i>	14.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0302 EA 1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	40.83	14.86
For Work In Restricted Working Space, Add	8.92	
For Elevated Installation >10' To 15', Add	2.97	
For Elevated Installation >15' To 20', Add	5.95	
For Elevated Installation >20' To 25', Add	7.43	
For Elevated Installation >25' To 30', Add	10.41	
For Elevated Installation >30' To 35', Add	11.89	
For Elevated Installation >35' To 40', Add	14.87	
For Elevated Installation >40', Add	16.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.92	
26 05 33 13-0303 EA 1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	47.68	16.90
For Work In Restricted Working Space, Add	10.13	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.76	
For Elevated Installation >20' To 25', Add	8.45	
For Elevated Installation >25' To 30', Add	11.82	
For Elevated Installation >30' To 35', Add	13.51	
For Elevated Installation >35' To 40', Add	16.89	
For Elevated Installation >40', Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 05 33 13-0304 EA 2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	54.38	18.92
For Work In Restricted Working Space, Add	11.35	
For Elevated Installation >10' To 15', Add	3.78	
For Elevated Installation >15' To 20', Add	7.57	
For Elevated Installation >20' To 25', Add	9.46	
For Elevated Installation >25' To 30', Add	13.24	
For Elevated Installation >30' To 35', Add	15.14	
For Elevated Installation >35' To 40', Add	18.92	
For Elevated Installation >40', Add	20.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.35	
26 05 33 13-0305 EA 2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	76.78	22.98
For Work In Restricted Working Space, Add	13.79	
For Elevated Installation >10' To 15', Add	4.60	
For Elevated Installation >15' To 20', Add	9.19	
For Elevated Installation >20' To 25', Add	11.49	
For Elevated Installation >25' To 30', Add	16.08	
For Elevated Installation >30' To 35', Add	18.38	
For Elevated Installation >35' To 40', Add	22.98	
For Elevated Installation >40', Add	25.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.79	
26 05 33 13-0306 EA 3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	100.17	31.76
For Work In Restricted Working Space, Add	19.05	
For Elevated Installation >10' To 15', Add	6.35	
For Elevated Installation >15' To 20', Add	12.70	
For Elevated Installation >20' To 25', Add	15.88	
For Elevated Installation >25' To 30', Add	22.23	
For Elevated Installation >30' To 35', Add	25.40	
For Elevated Installation >35' To 40', Add	31.76	
For Elevated Installation >40', Add	34.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.05	
26 05 33 13-0307 EA 3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	113.52	35.81
For Work In Restricted Working Space, Add	21.49	
For Elevated Installation >10' To 15', Add	7.16	
For Elevated Installation >15' To 20', Add	14.32	
For Elevated Installation >20' To 25', Add	17.91	
For Elevated Installation >25' To 30', Add	25.07	
For Elevated Installation >30' To 35', Add	28.65	
For Elevated Installation >35' To 40', Add	35.81	
For Elevated Installation >40', Add	39.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.49	
26 05 33 13-0308 EA 4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	140.57	46.63
For Work In Restricted Working Space, Add	27.97	
For Elevated Installation >10' To 15', Add	9.32	
For Elevated Installation >15' To 20', Add	18.65	
For Elevated Installation >20' To 25', Add	23.31	
For Elevated Installation >25' To 30', Add	32.63	
For Elevated Installation >30' To 35', Add	37.30	
For Elevated Installation >35' To 40', Add	46.62	
For Elevated Installation >40', Add	51.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.97	
26 05 33 13-0309 EA 5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	213.69	64.19
For Work In Restricted Working Space, Add	38.51	
For Elevated Installation >10' To 15', Add	12.84	
For Elevated Installation >15' To 20', Add	25.68	
For Elevated Installation >20' To 25', Add	32.10	
For Elevated Installation >25' To 30', Add	44.93	
For Elevated Installation >30' To 35', Add	51.35	
For Elevated Installation >35' To 40', Add	64.19	
For Elevated Installation >40', Add	70.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.51	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0310	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.62 49.41 16.47 32.94 41.18 57.65 65.88 82.35 90.59 49.41	82.30
26 05 33	13-0311	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.34 5.27 1.76 3.51 4.39 6.15 7.03 8.79 9.66 5.27	8.79
26 05 33	13-0312	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.13 6.08 2.03 4.05 5.07 7.09 8.11 10.14 11.15 6.08	10.13
26 05 33	13-0313	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.37 7.70 2.57 5.13 6.42 8.98 10.27 12.84 14.12 7.70	12.84
26 05 33	13-0314	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.69 8.92 2.97 5.95 7.43 10.41 11.89 14.87 16.35 8.92	14.86
26 05 33	13-0315	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.50 10.13 3.38 6.76 8.45 11.82 13.51 16.89 18.58 10.13	16.90
26 05 33	13-0316	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.65 11.35 3.78 7.57 9.46 13.24 15.14 18.92 20.81 11.35	18.92
26 05 33	13-0317	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.74 13.79 4.60 9.19 11.49 16.08 18.38 22.98 25.27 13.79	22.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0318 EA 3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	106.83	31.76
For Work In Restricted Working Space, Add	19.05	
For Elevated Installation >10' To 15', Add	6.35	
For Elevated Installation >15' To 20', Add	12.70	
For Elevated Installation >20' To 25', Add	15.88	
For Elevated Installation >25' To 30', Add	22.23	
For Elevated Installation >30' To 35', Add	25.40	
For Elevated Installation >35' To 40', Add	31.76	
For Elevated Installation >40', Add	34.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.05	
26 05 33 13-0319 EA 3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	122.30	35.81
For Work In Restricted Working Space, Add	21.49	
For Elevated Installation >10' To 15', Add	7.16	
For Elevated Installation >15' To 20', Add	14.32	
For Elevated Installation >20' To 25', Add	17.91	
For Elevated Installation >25' To 30', Add	25.07	
For Elevated Installation >30' To 35', Add	28.65	
For Elevated Installation >35' To 40', Add	35.81	
For Elevated Installation >40', Add	39.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.49	
26 05 33 13-0320 EA 4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	151.69	46.63
For Work In Restricted Working Space, Add	27.97	
For Elevated Installation >10' To 15', Add	9.32	
For Elevated Installation >15' To 20', Add	18.65	
For Elevated Installation >20' To 25', Add	23.31	
For Elevated Installation >25' To 30', Add	32.63	
For Elevated Installation >30' To 35', Add	37.30	
For Elevated Installation >35' To 40', Add	46.62	
For Elevated Installation >40', Add	51.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.97	
26 05 33 13-0321 EA 5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	228.39	64.19
For Work In Restricted Working Space, Add	38.51	
For Elevated Installation >10' To 15', Add	12.84	
For Elevated Installation >15' To 20', Add	25.68	
For Elevated Installation >20' To 25', Add	32.10	
For Elevated Installation >25' To 30', Add	44.93	
For Elevated Installation >30' To 35', Add	51.35	
For Elevated Installation >35' To 40', Add	64.19	
For Elevated Installation >40', Add	70.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.51	
26 05 33 13-0322 EA 6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	297.07	82.30
For Work In Restricted Working Space, Add	49.41	
For Elevated Installation >10' To 15', Add	16.47	
For Elevated Installation >15' To 20', Add	32.94	
For Elevated Installation >20' To 25', Add	41.18	
For Elevated Installation >25' To 30', Add	57.65	
For Elevated Installation >30' To 35', Add	65.88	
For Elevated Installation >35' To 40', Add	82.35	
For Elevated Installation >40', Add	90.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.41	
26 05 33 13-0323 EA 1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	25.37	8.79
For Work In Restricted Working Space, Add	5.27	
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.15	
For Elevated Installation >30' To 35', Add	7.03	
For Elevated Installation >35' To 40', Add	8.79	
For Elevated Installation >40', Add	9.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.27	
26 05 33 13-0324 EA 3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	29.10	10.13
For Work In Restricted Working Space, Add	6.08	
For Elevated Installation >10' To 15', Add	2.03	
For Elevated Installation >15' To 20', Add	4.05	
For Elevated Installation >20' To 25', Add	5.07	
For Elevated Installation >25' To 30', Add	7.09	
For Elevated Installation >30' To 35', Add	8.11	
For Elevated Installation >35' To 40', Add	10.14	
For Elevated Installation >40', Add	11.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 33 13-0325 EA 1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	37.81	12.84
For Work In Restricted Working Space, Add	7.70	
For Elevated Installation >10' To 15', Add	2.57	
For Elevated Installation >15' To 20', Add	5.13	
For Elevated Installation >20' To 25', Add	6.42	
For Elevated Installation >25' To 30', Add	8.98	
For Elevated Installation >30' To 35', Add	10.27	
For Elevated Installation >35' To 40', Add	12.84	
For Elevated Installation >40', Add	14.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0326	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	45.99	14.86
			<i>For Work In Restricted Working Space, Add</i>	8.92	
			<i>For Elevated Installation >10' To 15', Add</i>	2.97	
			<i>For Elevated Installation >15' To 20', Add</i>	5.95	
			<i>For Elevated Installation >20' To 25', Add</i>	7.43	
			<i>For Elevated Installation >25' To 30', Add</i>	10.41	
			<i>For Elevated Installation >30' To 35', Add</i>	11.89	
			<i>For Elevated Installation >35' To 40', Add</i>	14.87	
			<i>For Elevated Installation >40', Add</i>	16.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.92	
26 05 33	13-0327	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	51.91	16.90
			<i>For Work In Restricted Working Space, Add</i>	10.13	
			<i>For Elevated Installation >10' To 15', Add</i>	3.38	
			<i>For Elevated Installation >15' To 20', Add</i>	6.76	
			<i>For Elevated Installation >20' To 25', Add</i>	8.45	
			<i>For Elevated Installation >25' To 30', Add</i>	11.82	
			<i>For Elevated Installation >30' To 35', Add</i>	13.51	
			<i>For Elevated Installation >35' To 40', Add</i>	16.89	
			<i>For Elevated Installation >40', Add</i>	18.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 33	13-0328	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	60.39	18.92
			<i>For Work In Restricted Working Space, Add</i>	11.35	
			<i>For Elevated Installation >10' To 15', Add</i>	3.78	
			<i>For Elevated Installation >15' To 20', Add</i>	7.57	
			<i>For Elevated Installation >20' To 25', Add</i>	9.46	
			<i>For Elevated Installation >25' To 30', Add</i>	13.24	
			<i>For Elevated Installation >30' To 35', Add</i>	15.14	
			<i>For Elevated Installation >35' To 40', Add</i>	18.92	
			<i>For Elevated Installation >40', Add</i>	20.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33	13-0329	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	87.59	22.98
			<i>For Work In Restricted Working Space, Add</i>	13.79	
			<i>For Elevated Installation >10' To 15', Add</i>	4.60	
			<i>For Elevated Installation >15' To 20', Add</i>	9.19	
			<i>For Elevated Installation >20' To 25', Add</i>	11.49	
			<i>For Elevated Installation >25' To 30', Add</i>	16.08	
			<i>For Elevated Installation >30' To 35', Add</i>	18.38	
			<i>For Elevated Installation >35' To 40', Add</i>	22.98	
			<i>For Elevated Installation >40', Add</i>	25.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33	13-0330	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	116.11	31.76
			<i>For Work In Restricted Working Space, Add</i>	19.05	
			<i>For Elevated Installation >10' To 15', Add</i>	6.35	
			<i>For Elevated Installation >15' To 20', Add</i>	12.70	
			<i>For Elevated Installation >20' To 25', Add</i>	15.88	
			<i>For Elevated Installation >25' To 30', Add</i>	22.23	
			<i>For Elevated Installation >30' To 35', Add</i>	25.40	
			<i>For Elevated Installation >35' To 40', Add</i>	31.76	
			<i>For Elevated Installation >40', Add</i>	34.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.05	
26 05 33	13-0331	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	130.86	35.81
			<i>For Work In Restricted Working Space, Add</i>	21.49	
			<i>For Elevated Installation >10' To 15', Add</i>	7.16	
			<i>For Elevated Installation >15' To 20', Add</i>	14.32	
			<i>For Elevated Installation >20' To 25', Add</i>	17.91	
			<i>For Elevated Installation >25' To 30', Add</i>	25.07	
			<i>For Elevated Installation >30' To 35', Add</i>	28.65	
			<i>For Elevated Installation >35' To 40', Add</i>	35.81	
			<i>For Elevated Installation >40', Add</i>	39.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.49	
26 05 33	13-0332	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	162.83	46.63
			<i>For Work In Restricted Working Space, Add</i>	27.97	
			<i>For Elevated Installation >10' To 15', Add</i>	9.32	
			<i>For Elevated Installation >15' To 20', Add</i>	18.65	
			<i>For Elevated Installation >20' To 25', Add</i>	23.31	
			<i>For Elevated Installation >25' To 30', Add</i>	32.63	
			<i>For Elevated Installation >30' To 35', Add</i>	37.30	
			<i>For Elevated Installation >35' To 40', Add</i>	46.62	
			<i>For Elevated Installation >40', Add</i>	51.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33	13-0333	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	249.53	64.19
			<i>For Work In Restricted Working Space, Add</i>	38.51	
			<i>For Elevated Installation >10' To 15', Add</i>	12.84	
			<i>For Elevated Installation >15' To 20', Add</i>	25.68	
			<i>For Elevated Installation >20' To 25', Add</i>	32.10	
			<i>For Elevated Installation >25' To 30', Add</i>	44.93	
			<i>For Elevated Installation >30' To 35', Add</i>	51.35	
			<i>For Elevated Installation >35' To 40', Add</i>	64.19	
			<i>For Elevated Installation >40', Add</i>	70.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0334 EA 6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	311.78	82.30
For Work In Restricted Working Space, Add	49.41	
For Elevated Installation >10' To 15', Add	16.47	
For Elevated Installation >15' To 20', Add	32.94	
For Elevated Installation >20' To 25', Add	41.18	
For Elevated Installation >25' To 30', Add	57.65	
For Elevated Installation >30' To 35', Add	65.88	
For Elevated Installation >35' To 40', Add	82.35	
For Elevated Installation >40', Add	90.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.41	
26 05 33 13-0335 Rigid Galvanized Steel (RGS) Off-Set Nipples (26 05 33 13-0059)		
26 05 33 13-0336 EA 1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	20.36	7.02
For Work In Restricted Working Space, Add	5.31	
For Elevated Installation >10' To 15', Add	1.77	
For Elevated Installation >15' To 20', Add	3.54	
For Elevated Installation >20' To 25', Add	4.43	
For Elevated Installation >25' To 30', Add	6.20	
For Elevated Installation >30' To 35', Add	7.08	
For Elevated Installation >35' To 40', Add	8.85	
For Elevated Installation >40', Add	9.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.31	
26 05 33 13-0337 EA 3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	24.23	8.11
For Work In Restricted Working Space, Add	6.05	
For Elevated Installation >10' To 15', Add	2.02	
For Elevated Installation >15' To 20', Add	4.03	
For Elevated Installation >20' To 25', Add	5.04	
For Elevated Installation >25' To 30', Add	7.06	
For Elevated Installation >30' To 35', Add	8.06	
For Elevated Installation >35' To 40', Add	10.08	
For Elevated Installation >40', Add	11.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-0338 EA 1" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	30.43	10.27
For Work In Restricted Working Space, Add	7.73	
For Elevated Installation >10' To 15', Add	2.58	
For Elevated Installation >15' To 20', Add	5.16	
For Elevated Installation >20' To 25', Add	6.45	
For Elevated Installation >25' To 30', Add	9.02	
For Elevated Installation >30' To 35', Add	10.31	
For Elevated Installation >35' To 40', Add	12.89	
For Elevated Installation >40', Add	14.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.73	
26 05 33 13-0339 EA 1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	38.39	12.30
For Work In Restricted Working Space, Add	9.27	
For Elevated Installation >10' To 15', Add	3.09	
For Elevated Installation >15' To 20', Add	6.18	
For Elevated Installation >20' To 25', Add	7.72	
For Elevated Installation >25' To 30', Add	10.81	
For Elevated Installation >30' To 35', Add	12.36	
For Elevated Installation >35' To 40', Add	15.45	
For Elevated Installation >40', Add	16.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.27	
26 05 33 13-0340 EA 1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	42.04	13.52
For Work In Restricted Working Space, Add	10.14	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.76	
For Elevated Installation >20' To 25', Add	8.45	
For Elevated Installation >25' To 30', Add	11.83	
For Elevated Installation >30' To 35', Add	13.52	
For Elevated Installation >35' To 40', Add	16.91	
For Elevated Installation >40', Add	18.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.14	
26 05 33 13-0341 EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	54.72	16.62
For Work In Restricted Working Space, Add	12.50	
For Elevated Installation >10' To 15', Add	4.17	
For Elevated Installation >15' To 20', Add	8.33	
For Elevated Installation >20' To 25', Add	10.41	
For Elevated Installation >25' To 30', Add	14.58	
For Elevated Installation >30' To 35', Add	16.66	
For Elevated Installation >35' To 40', Add	20.83	
For Elevated Installation >40', Add	22.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.50	
26 05 33 13-0342 EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	89.35	27.03
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0343	EA		3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	142.72	37.30
			<i>For Work In Restricted Working Space, Add</i>	27.97	
			<i>For Elevated Installation >10' To 15', Add</i>	9.32	
			<i>For Elevated Installation >15' To 20', Add</i>	18.65	
			<i>For Elevated Installation >20' To 25', Add</i>	23.31	
			<i>For Elevated Installation >25' To 30', Add</i>	32.63	
			<i>For Elevated Installation >30' To 35', Add</i>	37.30	
			<i>For Elevated Installation >35' To 40', Add</i>	46.62	
			<i>For Elevated Installation >40', Add</i>	51.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33 13-0344	EA		3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	176.34	44.05
			<i>For Work In Restricted Working Space, Add</i>	32.86	
			<i>For Elevated Installation >10' To 15', Add</i>	10.95	
			<i>For Elevated Installation >15' To 20', Add</i>	21.91	
			<i>For Elevated Installation >20' To 25', Add</i>	27.38	
			<i>For Elevated Installation >25' To 30', Add</i>	38.34	
			<i>For Elevated Installation >30' To 35', Add</i>	43.81	
			<i>For Elevated Installation >35' To 40', Add</i>	54.77	
			<i>For Elevated Installation >40', Add</i>	60.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.86	
26 05 33 13-0345	EA		4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	211.08	50.82
			<i>For Work In Restricted Working Space, Add</i>	38.11	
			<i>For Elevated Installation >10' To 15', Add</i>	12.70	
			<i>For Elevated Installation >15' To 20', Add</i>	25.41	
			<i>For Elevated Installation >20' To 25', Add</i>	31.76	
			<i>For Elevated Installation >25' To 30', Add</i>	44.46	
			<i>For Elevated Installation >30' To 35', Add</i>	50.82	
			<i>For Elevated Installation >35' To 40', Add</i>	63.52	
			<i>For Elevated Installation >40', Add</i>	69.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.11	
26 05 33 13-0346 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling <small>(26 05 33 13-0059)</small>					
Note: Erickson fittings.					
26 05 33 13-0347	EA		1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	56.26	21.62
			<i>For Work In Restricted Working Space, Add</i>	16.24	
			<i>For Elevated Installation >10' To 15', Add</i>	5.41	
			<i>For Elevated Installation >15' To 20', Add</i>	10.82	
			<i>For Elevated Installation >20' To 25', Add</i>	13.53	
			<i>For Elevated Installation >25' To 30', Add</i>	18.94	
			<i>For Elevated Installation >30' To 35', Add</i>	21.65	
			<i>For Elevated Installation >35' To 40', Add</i>	27.06	
			<i>For Elevated Installation >40', Add</i>	29.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.24	
26 05 33 13-0348	EA		3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	63.14	24.19
			<i>For Work In Restricted Working Space, Add</i>	18.12	
			<i>For Elevated Installation >10' To 15', Add</i>	6.04	
			<i>For Elevated Installation >15' To 20', Add</i>	12.08	
			<i>For Elevated Installation >20' To 25', Add</i>	15.10	
			<i>For Elevated Installation >25' To 30', Add</i>	21.14	
			<i>For Elevated Installation >30' To 35', Add</i>	24.16	
			<i>For Elevated Installation >35' To 40', Add</i>	30.20	
			<i>For Elevated Installation >40', Add</i>	33.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.12	
26 05 33 13-0349	EA		1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	72.34	26.90
			<i>For Work In Restricted Working Space, Add</i>	20.18	
			<i>For Elevated Installation >10' To 15', Add</i>	6.73	
			<i>For Elevated Installation >15' To 20', Add</i>	13.46	
			<i>For Elevated Installation >20' To 25', Add</i>	16.82	
			<i>For Elevated Installation >25' To 30', Add</i>	23.55	
			<i>For Elevated Installation >30' To 35', Add</i>	26.91	
			<i>For Elevated Installation >35' To 40', Add</i>	33.64	
			<i>For Elevated Installation >40', Add</i>	37.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.18	
26 05 33 13-0350	EA		1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	84.41	29.46
			<i>For Work In Restricted Working Space, Add</i>	22.09	
			<i>For Elevated Installation >10' To 15', Add</i>	7.36	
			<i>For Elevated Installation >15' To 20', Add</i>	14.73	
			<i>For Elevated Installation >20' To 25', Add</i>	18.41	
			<i>For Elevated Installation >25' To 30', Add</i>	25.77	
			<i>For Elevated Installation >30' To 35', Add</i>	29.45	
			<i>For Elevated Installation >35' To 40', Add</i>	36.82	
			<i>For Elevated Installation >40', Add</i>	40.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.09	
26 05 33 13-0351	EA		1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	93.47	32.17
			<i>For Work In Restricted Working Space, Add</i>	24.17	
			<i>For Elevated Installation >10' To 15', Add</i>	8.06	
			<i>For Elevated Installation >15' To 20', Add</i>	16.11	
			<i>For Elevated Installation >20' To 25', Add</i>	20.14	
			<i>For Elevated Installation >25' To 30', Add</i>	28.19	
			<i>For Elevated Installation >30' To 35', Add</i>	32.22	
			<i>For Elevated Installation >35' To 40', Add</i>	40.28	
			<i>For Elevated Installation >40', Add</i>	44.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0352 EA 2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	113.11	34.86
For Work In Restricted Working Space, Add	26.17	
For Elevated Installation >10' To 15', Add	8.72	
For Elevated Installation >15' To 20', Add	17.45	
For Elevated Installation >20' To 25', Add	21.81	
For Elevated Installation >25' To 30', Add	30.53	
For Elevated Installation >30' To 35', Add	34.89	
For Elevated Installation >35' To 40', Add	43.62	
For Elevated Installation >40', Add	47.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.17	
26 05 33 13-0353 EA 2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	168.06	43.25
For Work In Restricted Working Space, Add	32.43	
For Elevated Installation >10' To 15', Add	10.81	
For Elevated Installation >15' To 20', Add	21.62	
For Elevated Installation >20' To 25', Add	27.03	
For Elevated Installation >25' To 30', Add	37.84	
For Elevated Installation >30' To 35', Add	43.24	
For Elevated Installation >35' To 40', Add	54.06	
For Elevated Installation >40', Add	59.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.43	
26 05 33 13-0354 EA 3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	226.14	54.05
For Work In Restricted Working Space, Add	40.54	
For Elevated Installation >10' To 15', Add	13.51	
For Elevated Installation >15' To 20', Add	27.03	
For Elevated Installation >20' To 25', Add	33.79	
For Elevated Installation >25' To 30', Add	47.30	
For Elevated Installation >30' To 35', Add	54.06	
For Elevated Installation >35' To 40', Add	67.57	
For Elevated Installation >40', Add	74.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.54	
26 05 33 13-0355 EA 3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	313.79	64.87
For Work In Restricted Working Space, Add	48.67	
For Elevated Installation >10' To 15', Add	16.22	
For Elevated Installation >15' To 20', Add	32.45	
For Elevated Installation >20' To 25', Add	40.56	
For Elevated Installation >25' To 30', Add	56.78	
For Elevated Installation >30' To 35', Add	64.89	
For Elevated Installation >35' To 40', Add	81.12	
For Elevated Installation >40', Add	89.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.67	
26 05 33 13-0356 EA 4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	353.91	70.28
For Work In Restricted Working Space, Add	52.70	
For Elevated Installation >10' To 15', Add	17.57	
For Elevated Installation >15' To 20', Add	35.13	
For Elevated Installation >20' To 25', Add	43.92	
For Elevated Installation >25' To 30', Add	61.48	
For Elevated Installation >30' To 35', Add	70.27	
For Elevated Installation >35' To 40', Add	87.84	
For Elevated Installation >40', Add	96.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.70	
26 05 33 13-0357 EA 5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	582.00	86.49
For Work In Restricted Working Space, Add	64.86	
For Elevated Installation >10' To 15', Add	21.62	
For Elevated Installation >15' To 20', Add	43.24	
For Elevated Installation >20' To 25', Add	54.05	
For Elevated Installation >25' To 30', Add	75.67	
For Elevated Installation >30' To 35', Add	86.48	
For Elevated Installation >35' To 40', Add	108.10	
For Elevated Installation >40', Add	118.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.86	
26 05 33 13-0358 EA 6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	737.57	100.01
For Work In Restricted Working Space, Add	74.99	
For Elevated Installation >10' To 15', Add	25.00	
For Elevated Installation >15' To 20', Add	50.00	
For Elevated Installation >20' To 25', Add	62.50	
For Elevated Installation >25' To 30', Add	87.49	
For Elevated Installation >30' To 35', Add	99.99	
For Elevated Installation >35' To 40', Add	124.99	
For Elevated Installation >40', Add	137.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.99	
26 05 33 13-0359 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0059)</small>		
26 05 33 13-0360 EA 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	34.17	10.81
For Work In Restricted Working Space, Add	8.11	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.41	
For Elevated Installation >20' To 25', Add	6.76	
For Elevated Installation >25' To 30', Add	9.46	
For Elevated Installation >30' To 35', Add	10.81	
For Elevated Installation >35' To 40', Add	13.52	
For Elevated Installation >40', Add	14.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0361 EA 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	38.17	11.89
For Work In Restricted Working Space, Add	8.92	
For Elevated Installation >10' To 15', Add	2.97	
For Elevated Installation >15' To 20', Add	5.95	
For Elevated Installation >20' To 25', Add	7.43	
For Elevated Installation >25' To 30', Add	10.41	
For Elevated Installation >30' To 35', Add	11.89	
For Elevated Installation >35' To 40', Add	14.87	
For Elevated Installation >40', Add	16.35	
26 05 33 13-0362 EA 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	43.84	13.52
For Work In Restricted Working Space, Add	10.14	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.76	
For Elevated Installation >20' To 25', Add	8.45	
For Elevated Installation >25' To 30', Add	11.83	
For Elevated Installation >30' To 35', Add	13.52	
For Elevated Installation >35' To 40', Add	16.90	
For Elevated Installation >40', Add	18.58	
26 05 33 13-0363 EA 1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	49.76	14.59
For Work In Restricted Working Space, Add	10.95	
For Elevated Installation >10' To 15', Add	3.65	
For Elevated Installation >15' To 20', Add	7.30	
For Elevated Installation >20' To 25', Add	9.12	
For Elevated Installation >25' To 30', Add	12.77	
For Elevated Installation >30' To 35', Add	14.60	
For Elevated Installation >35' To 40', Add	18.25	
For Elevated Installation >40', Add	20.07	
26 05 33 13-0364 EA 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	59.03	16.21
For Work In Restricted Working Space, Add	12.16	
For Elevated Installation >10' To 15', Add	4.05	
For Elevated Installation >15' To 20', Add	8.11	
For Elevated Installation >20' To 25', Add	10.14	
For Elevated Installation >25' To 30', Add	14.19	
For Elevated Installation >30' To 35', Add	16.22	
For Elevated Installation >35' To 40', Add	20.27	
For Elevated Installation >40', Add	22.30	
26 05 33 13-0365 EA 2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	71.94	17.84
For Work In Restricted Working Space, Add	13.38	
For Elevated Installation >10' To 15', Add	4.46	
For Elevated Installation >15' To 20', Add	8.92	
For Elevated Installation >20' To 25', Add	11.15	
For Elevated Installation >25' To 30', Add	15.61	
For Elevated Installation >30' To 35', Add	17.84	
For Elevated Installation >35' To 40', Add	22.30	
For Elevated Installation >40', Add	24.53	
26 05 33 13-0366 EA 2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	97.87	21.62
For Work In Restricted Working Space, Add	16.22	
For Elevated Installation >10' To 15', Add	5.41	
For Elevated Installation >15' To 20', Add	10.81	
For Elevated Installation >20' To 25', Add	13.51	
For Elevated Installation >25' To 30', Add	18.92	
For Elevated Installation >30' To 35', Add	21.62	
For Elevated Installation >35' To 40', Add	27.03	
For Elevated Installation >40', Add	29.73	
26 05 33 13-0367 EA 3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	121.03	27.03
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
26 05 33 13-0368 EA 3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	145.41	32.44
For Work In Restricted Working Space, Add	24.33	
For Elevated Installation >10' To 15', Add	8.11	
For Elevated Installation >15' To 20', Add	16.22	
For Elevated Installation >20' To 25', Add	20.27	
For Elevated Installation >25' To 30', Add	28.38	
For Elevated Installation >30' To 35', Add	32.44	
For Elevated Installation >35' To 40', Add	40.55	
For Elevated Installation >40', Add	44.60	
26 05 33 13-0369 EA 4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	164.22	35.13
For Work In Restricted Working Space, Add	26.35	
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	

26 05 33 13-0370 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs (26 05 33 13-0059)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0371 EA 1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	28.09	12.17
For Work In Restricted Working Space, Add	7.30	
For Elevated Installation >10' To 15', Add	2.43	
For Elevated Installation >15' To 20', Add	4.86	
For Elevated Installation >20' To 25', Add	6.08	
For Elevated Installation >25' To 30', Add	8.51	
For Elevated Installation >30' To 35', Add	9.73	
For Elevated Installation >35' To 40', Add	12.16	
For Elevated Installation >40', Add	13.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.30	
26 05 33 13-0372 EA 3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	31.28	13.52
For Work In Restricted Working Space, Add	8.11	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.41	
For Elevated Installation >20' To 25', Add	6.76	
For Elevated Installation >25' To 30', Add	9.46	
For Elevated Installation >30' To 35', Add	10.81	
For Elevated Installation >35' To 40', Add	13.52	
For Elevated Installation >40', Add	14.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.11	
26 05 33 13-0373 EA 1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	38.76	16.90
For Work In Restricted Working Space, Add	10.13	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.76	
For Elevated Installation >20' To 25', Add	8.45	
For Elevated Installation >25' To 30', Add	11.82	
For Elevated Installation >30' To 35', Add	13.51	
For Elevated Installation >35' To 40', Add	16.89	
For Elevated Installation >40', Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 05 33 13-0374 EA 1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	47.31	20.27
For Work In Restricted Working Space, Add	12.16	
For Elevated Installation >10' To 15', Add	4.05	
For Elevated Installation >15' To 20', Add	8.11	
For Elevated Installation >20' To 25', Add	10.14	
For Elevated Installation >25' To 30', Add	14.19	
For Elevated Installation >30' To 35', Add	16.22	
For Elevated Installation >35' To 40', Add	20.27	
For Elevated Installation >40', Add	22.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.16	
26 05 33 13-0375 EA 1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	61.49	27.03
For Work In Restricted Working Space, Add	16.22	
For Elevated Installation >10' To 15', Add	5.41	
For Elevated Installation >15' To 20', Add	10.81	
For Elevated Installation >20' To 25', Add	13.51	
For Elevated Installation >25' To 30', Add	18.92	
For Elevated Installation >30' To 35', Add	21.62	
For Elevated Installation >35' To 40', Add	27.03	
For Elevated Installation >40', Add	29.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.22	
26 05 33 13-0376 EA 2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	70.77	30.40
For Work In Restricted Working Space, Add	18.25	
For Elevated Installation >10' To 15', Add	6.08	
For Elevated Installation >15' To 20', Add	12.16	
For Elevated Installation >20' To 25', Add	15.21	
For Elevated Installation >25' To 30', Add	21.29	
For Elevated Installation >30' To 35', Add	24.33	
For Elevated Installation >35' To 40', Add	30.41	
For Elevated Installation >40', Add	33.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.25	
26 05 33 13-0377 EA 2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	84.46	33.78
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 33 13-0378 EA 3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	111.61	42.57
For Work In Restricted Working Space, Add	25.54	
For Elevated Installation >10' To 15', Add	8.51	
For Elevated Installation >15' To 20', Add	17.03	
For Elevated Installation >20' To 25', Add	21.29	
For Elevated Installation >25' To 30', Add	29.80	
For Elevated Installation >30' To 35', Add	34.06	
For Elevated Installation >35' To 40', Add	42.57	
For Elevated Installation >40', Add	46.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.54	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0379	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	133.10	51.36
			<i>For Work In Restricted Working Space, Add</i>	30.81	
			<i>For Elevated Installation >10' To 15', Add</i>	10.27	
			<i>For Elevated Installation >15' To 20', Add</i>	20.54	
			<i>For Elevated Installation >20' To 25', Add</i>	25.68	
			<i>For Elevated Installation >25' To 30', Add</i>	35.95	
			<i>For Elevated Installation >30' To 35', Add</i>	41.08	
			<i>For Elevated Installation >35' To 40', Add</i>	51.35	
			<i>For Elevated Installation >40', Add</i>	56.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.81	
26 05 33	13-0380	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	161.70	60.82
			<i>For Work In Restricted Working Space, Add</i>	36.49	
			<i>For Elevated Installation >10' To 15', Add</i>	12.16	
			<i>For Elevated Installation >15' To 20', Add</i>	24.32	
			<i>For Elevated Installation >20' To 25', Add</i>	30.41	
			<i>For Elevated Installation >25' To 30', Add</i>	42.57	
			<i>For Elevated Installation >30' To 35', Add</i>	48.65	
			<i>For Elevated Installation >35' To 40', Add</i>	60.81	
			<i>For Elevated Installation >40', Add</i>	66.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.49	
26 05 33	13-0381		Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement <small>(26 05</small>		
			<small>33 13-0059)</small>		
			Note: Type AX		
26 05 33	13-0382	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	111.14	21.62
			<i>For Work In Restricted Working Space, Add</i>	16.22	
			<i>For Elevated Installation >10' To 15', Add</i>	5.41	
			<i>For Elevated Installation >15' To 20', Add</i>	10.81	
			<i>For Elevated Installation >20' To 25', Add</i>	13.52	
			<i>For Elevated Installation >25' To 30', Add</i>	18.92	
			<i>For Elevated Installation >30' To 35', Add</i>	21.62	
			<i>For Elevated Installation >35' To 40', Add</i>	27.03	
			<i>For Elevated Installation >40', Add</i>	29.73	
26 05 33	13-0383	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	125.98	24.32
			<i>For Work In Restricted Working Space, Add</i>	18.24	
			<i>For Elevated Installation >10' To 15', Add</i>	6.08	
			<i>For Elevated Installation >15' To 20', Add</i>	12.16	
			<i>For Elevated Installation >20' To 25', Add</i>	15.20	
			<i>For Elevated Installation >25' To 30', Add</i>	21.28	
			<i>For Elevated Installation >30' To 35', Add</i>	24.32	
			<i>For Elevated Installation >35' To 40', Add</i>	30.41	
			<i>For Elevated Installation >40', Add</i>	33.45	
26 05 33	13-0384	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	147.75	27.03
			<i>For Work In Restricted Working Space, Add</i>	20.27	
			<i>For Elevated Installation >10' To 15', Add</i>	6.76	
			<i>For Elevated Installation >15' To 20', Add</i>	13.52	
			<i>For Elevated Installation >20' To 25', Add</i>	16.90	
			<i>For Elevated Installation >25' To 30', Add</i>	23.65	
			<i>For Elevated Installation >30' To 35', Add</i>	27.03	
			<i>For Elevated Installation >35' To 40', Add</i>	33.79	
			<i>For Elevated Installation >40', Add</i>	37.17	
26 05 33	13-0385	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	178.17	29.73
			<i>For Work In Restricted Working Space, Add</i>	22.30	
			<i>For Elevated Installation >10' To 15', Add</i>	7.43	
			<i>For Elevated Installation >15' To 20', Add</i>	14.87	
			<i>For Elevated Installation >20' To 25', Add</i>	18.58	
			<i>For Elevated Installation >25' To 30', Add</i>	26.02	
			<i>For Elevated Installation >30' To 35', Add</i>	29.73	
			<i>For Elevated Installation >35' To 40', Add</i>	37.17	
			<i>For Elevated Installation >40', Add</i>	40.88	
26 05 33	13-0386	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	219.86	32.44
			<i>For Work In Restricted Working Space, Add</i>	24.32	
			<i>For Elevated Installation >10' To 15', Add</i>	8.11	
			<i>For Elevated Installation >15' To 20', Add</i>	16.22	
			<i>For Elevated Installation >20' To 25', Add</i>	20.27	
			<i>For Elevated Installation >25' To 30', Add</i>	28.38	
			<i>For Elevated Installation >30' To 35', Add</i>	32.43	
			<i>For Elevated Installation >35' To 40', Add</i>	40.54	
			<i>For Elevated Installation >40', Add</i>	44.59	
26 05 33	13-0387	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	296.00	35.13
			<i>For Work In Restricted Working Space, Add</i>	26.35	
			<i>For Elevated Installation >10' To 15', Add</i>	8.78	
			<i>For Elevated Installation >15' To 20', Add</i>	17.57	
			<i>For Elevated Installation >20' To 25', Add</i>	21.96	
			<i>For Elevated Installation >25' To 30', Add</i>	30.74	
			<i>For Elevated Installation >30' To 35', Add</i>	35.13	
			<i>For Elevated Installation >35' To 40', Add</i>	43.92	
			<i>For Elevated Installation >40', Add</i>	48.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0388 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	444.62	43.25
<i>For Work In Restricted Working Space, Add</i>	32.43	
<i>For Elevated Installation >10' To 15', Add</i>	10.81	
<i>For Elevated Installation >15' To 20', Add</i>	21.62	
<i>For Elevated Installation >20' To 25', Add</i>	27.03	
<i>For Elevated Installation >25' To 30', Add</i>	37.84	
<i>For Elevated Installation >30' To 35', Add</i>	43.24	
<i>For Elevated Installation >35' To 40', Add</i>	54.06	
<i>For Elevated Installation >40', Add</i>	59.46	
26 05 33 13-0389 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	568.55	54.05
<i>For Work In Restricted Working Space, Add</i>	40.54	
<i>For Elevated Installation >10' To 15', Add</i>	13.51	
<i>For Elevated Installation >15' To 20', Add</i>	27.03	
<i>For Elevated Installation >20' To 25', Add</i>	33.79	
<i>For Elevated Installation >25' To 30', Add</i>	47.30	
<i>For Elevated Installation >30' To 35', Add</i>	54.06	
<i>For Elevated Installation >35' To 40', Add</i>	67.57	
<i>For Elevated Installation >40', Add</i>	74.33	
26 05 33 13-0390 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	818.52	64.87
<i>For Work In Restricted Working Space, Add</i>	48.66	
<i>For Elevated Installation >10' To 15', Add</i>	16.22	
<i>For Elevated Installation >15' To 20', Add</i>	32.44	
<i>For Elevated Installation >20' To 25', Add</i>	40.55	
<i>For Elevated Installation >25' To 30', Add</i>	56.77	
<i>For Elevated Installation >30' To 35', Add</i>	64.88	
<i>For Elevated Installation >35' To 40', Add</i>	81.10	
<i>For Elevated Installation >40', Add</i>	89.20	
26 05 33 13-0391 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	873.44	70.28
<i>For Work In Restricted Working Space, Add</i>	52.70	
<i>For Elevated Installation >10' To 15', Add</i>	17.57	
<i>For Elevated Installation >15' To 20', Add</i>	35.13	
<i>For Elevated Installation >20' To 25', Add</i>	43.92	
<i>For Elevated Installation >25' To 30', Add</i>	61.48	
<i>For Elevated Installation >30' To 35', Add</i>	70.27	
<i>For Elevated Installation >35' To 40', Add</i>	87.84	
<i>For Elevated Installation >40', Add</i>	96.62	
26 05 33 13-0392 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,320.55	86.49
<i>For Work In Restricted Working Space, Add</i>	64.87	
<i>For Elevated Installation >10' To 15', Add</i>	21.62	
<i>For Elevated Installation >15' To 20', Add</i>	43.25	
<i>For Elevated Installation >20' To 25', Add</i>	54.06	
<i>For Elevated Installation >25' To 30', Add</i>	75.68	
<i>For Elevated Installation >30' To 35', Add</i>	86.49	
<i>For Elevated Installation >35' To 40', Add</i>	108.12	
<i>For Elevated Installation >40', Add</i>	118.93	
26 05 33 13-0393 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,613.81	95.95
<i>For Work In Restricted Working Space, Add</i>	72.00	
<i>For Elevated Installation >10' To 15', Add</i>	24.00	
<i>For Elevated Installation >15' To 20', Add</i>	48.00	
<i>For Elevated Installation >20' To 25', Add</i>	60.00	
<i>For Elevated Installation >25' To 30', Add</i>	84.00	
<i>For Elevated Installation >30' To 35', Add</i>	96.00	
<i>For Elevated Installation >35' To 40', Add</i>	120.01	
<i>For Elevated Installation >40', Add</i>	132.01	
26 05 33 13-0394 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0394)</small>		
Note: Type AX-8		
26 05 33 13-0395 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	120.69	21.62
<i>For Work In Restricted Working Space, Add</i>	16.22	
<i>For Elevated Installation >10' To 15', Add</i>	5.41	
<i>For Elevated Installation >15' To 20', Add</i>	10.81	
<i>For Elevated Installation >20' To 25', Add</i>	13.52	
<i>For Elevated Installation >25' To 30', Add</i>	18.92	
<i>For Elevated Installation >30' To 35', Add</i>	21.62	
<i>For Elevated Installation >35' To 40', Add</i>	27.03	
<i>For Elevated Installation >40', Add</i>	29.73	
26 05 33 13-0396 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	134.43	24.32
<i>For Work In Restricted Working Space, Add</i>	18.24	
<i>For Elevated Installation >10' To 15', Add</i>	6.08	
<i>For Elevated Installation >15' To 20', Add</i>	12.16	
<i>For Elevated Installation >20' To 25', Add</i>	15.20	
<i>For Elevated Installation >25' To 30', Add</i>	21.28	
<i>For Elevated Installation >30' To 35', Add</i>	24.32	
<i>For Elevated Installation >35' To 40', Add</i>	30.41	
<i>For Elevated Installation >40', Add</i>	33.45	
26 05 33 13-0397 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	161.02	27.03
<i>For Work In Restricted Working Space, Add</i>	20.27	
<i>For Elevated Installation >10' To 15', Add</i>	6.76	
<i>For Elevated Installation >15' To 20', Add</i>	13.52	
<i>For Elevated Installation >20' To 25', Add</i>	16.90	
<i>For Elevated Installation >25' To 30', Add</i>	23.65	
<i>For Elevated Installation >30' To 35', Add</i>	27.03	
<i>For Elevated Installation >35' To 40', Add</i>	33.79	
<i>For Elevated Installation >40', Add</i>	37.17	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0398 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	199.07	29.73
For Work In Restricted Working Space, Add	22.30	
For Elevated Installation >10' To 15', Add	7.43	
For Elevated Installation >15' To 20', Add	14.87	
For Elevated Installation >20' To 25', Add	18.58	
For Elevated Installation >25' To 30', Add	26.02	
For Elevated Installation >30' To 35', Add	29.73	
For Elevated Installation >35' To 40', Add	37.17	
For Elevated Installation >40', Add	40.88	
26 05 33 13-0399 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	261.38	32.44
For Work In Restricted Working Space, Add	24.32	
For Elevated Installation >10' To 15', Add	8.11	
For Elevated Installation >15' To 20', Add	16.22	
For Elevated Installation >20' To 25', Add	20.27	
For Elevated Installation >25' To 30', Add	28.38	
For Elevated Installation >30' To 35', Add	32.43	
For Elevated Installation >35' To 40', Add	40.54	
For Elevated Installation >40', Add	44.59	
26 05 33 13-0400 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	315.83	35.13
For Work In Restricted Working Space, Add	26.35	
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.13	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
26 05 33 13-0401 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	573.23	43.25
For Work In Restricted Working Space, Add	32.43	
For Elevated Installation >10' To 15', Add	10.81	
For Elevated Installation >15' To 20', Add	21.62	
For Elevated Installation >20' To 25', Add	27.03	
For Elevated Installation >25' To 30', Add	37.84	
For Elevated Installation >30' To 35', Add	43.24	
For Elevated Installation >35' To 40', Add	54.06	
For Elevated Installation >40', Add	59.46	
26 05 33 13-0402 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	656.37	54.05
For Work In Restricted Working Space, Add	40.54	
For Elevated Installation >10' To 15', Add	13.51	
For Elevated Installation >15' To 20', Add	27.03	
For Elevated Installation >20' To 25', Add	33.79	
For Elevated Installation >25' To 30', Add	47.30	
For Elevated Installation >30' To 35', Add	54.06	
For Elevated Installation >35' To 40', Add	67.57	
For Elevated Installation >40', Add	74.33	
26 05 33 13-0403 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	992.08	64.87
For Work In Restricted Working Space, Add	48.66	
For Elevated Installation >10' To 15', Add	16.22	
For Elevated Installation >15' To 20', Add	32.44	
For Elevated Installation >20' To 25', Add	40.55	
For Elevated Installation >25' To 30', Add	56.77	
For Elevated Installation >30' To 35', Add	64.88	
For Elevated Installation >35' To 40', Add	81.10	
For Elevated Installation >40', Add	89.20	
26 05 33 13-0404 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,074.04	70.28
For Work In Restricted Working Space, Add	52.70	
For Elevated Installation >10' To 15', Add	17.57	
For Elevated Installation >15' To 20', Add	35.13	
For Elevated Installation >20' To 25', Add	43.92	
For Elevated Installation >25' To 30', Add	61.48	
For Elevated Installation >30' To 35', Add	70.27	
For Elevated Installation >35' To 40', Add	87.84	
For Elevated Installation >40', Add	96.62	
26 05 33 13-0405 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,489.65	86.49
For Work In Restricted Working Space, Add	64.87	
For Elevated Installation >10' To 15', Add	21.62	
For Elevated Installation >15' To 20', Add	43.25	
For Elevated Installation >20' To 25', Add	54.06	
For Elevated Installation >25' To 30', Add	75.68	
For Elevated Installation >30' To 35', Add	86.49	
For Elevated Installation >35' To 40', Add	108.12	
For Elevated Installation >40', Add	118.93	
26 05 33 13-0406 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,831.37	95.95
For Work In Restricted Working Space, Add	72.00	
For Elevated Installation >10' To 15', Add	24.00	
For Elevated Installation >15' To 20', Add	48.00	
For Elevated Installation >20' To 25', Add	60.00	
For Elevated Installation >25' To 30', Add	84.00	
For Elevated Installation >30' To 35', Add	96.00	
For Elevated Installation >35' To 40', Add	120.01	
For Elevated Installation >40', Add	132.01	

26 05 33 13-0407 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement (26 05 33 13-0059)

Note: Type EX



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0408 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	134.66	21.62
For Work In Restricted Working Space, Add	16.22	
For Elevated Installation >10' To 15', Add	5.41	
For Elevated Installation >15' To 20', Add	10.81	
For Elevated Installation >20' To 25', Add	13.52	
For Elevated Installation >25' To 30', Add	18.92	
For Elevated Installation >30' To 35', Add	21.62	
For Elevated Installation >35' To 40', Add	27.03	
For Elevated Installation >40', Add	29.73	
26 05 33 13-0409 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	167.37	24.32
For Work In Restricted Working Space, Add	18.24	
For Elevated Installation >10' To 15', Add	6.08	
For Elevated Installation >15' To 20', Add	12.16	
For Elevated Installation >20' To 25', Add	15.20	
For Elevated Installation >25' To 30', Add	21.28	
For Elevated Installation >30' To 35', Add	24.32	
For Elevated Installation >35' To 40', Add	30.41	
For Elevated Installation >40', Add	33.45	
26 05 33 13-0410 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	205.51	27.03
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.52	
For Elevated Installation >20' To 25', Add	16.90	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.17	
26 05 33 13-0411 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	247.24	29.73
For Work In Restricted Working Space, Add	22.30	
For Elevated Installation >10' To 15', Add	7.43	
For Elevated Installation >15' To 20', Add	14.87	
For Elevated Installation >20' To 25', Add	18.58	
For Elevated Installation >25' To 30', Add	26.02	
For Elevated Installation >30' To 35', Add	29.73	
For Elevated Installation >35' To 40', Add	37.17	
For Elevated Installation >40', Add	40.88	
26 05 33 13-0412 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	326.61	32.44
For Work In Restricted Working Space, Add	24.32	
For Elevated Installation >10' To 15', Add	8.11	
For Elevated Installation >15' To 20', Add	16.22	
For Elevated Installation >20' To 25', Add	20.27	
For Elevated Installation >25' To 30', Add	28.38	
For Elevated Installation >30' To 35', Add	32.43	
For Elevated Installation >35' To 40', Add	40.54	
For Elevated Installation >40', Add	44.59	
26 05 33 13-0413 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	441.88	35.13
For Work In Restricted Working Space, Add	26.35	
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.13	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
26 05 33 13-0414 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	677.01	43.25
For Work In Restricted Working Space, Add	32.43	
For Elevated Installation >10' To 15', Add	10.81	
For Elevated Installation >15' To 20', Add	21.62	
For Elevated Installation >20' To 25', Add	27.03	
For Elevated Installation >25' To 30', Add	37.84	
For Elevated Installation >30' To 35', Add	43.24	
For Elevated Installation >35' To 40', Add	54.06	
For Elevated Installation >40', Add	59.46	
26 05 33 13-0415 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	909.04	54.05
For Work In Restricted Working Space, Add	40.54	
For Elevated Installation >10' To 15', Add	13.51	
For Elevated Installation >15' To 20', Add	27.03	
For Elevated Installation >20' To 25', Add	33.79	
For Elevated Installation >25' To 30', Add	47.30	
For Elevated Installation >30' To 35', Add	54.06	
For Elevated Installation >35' To 40', Add	67.57	
For Elevated Installation >40', Add	74.33	
26 05 33 13-0416 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,351.45	64.87
For Work In Restricted Working Space, Add	48.66	
For Elevated Installation >10' To 15', Add	16.22	
For Elevated Installation >15' To 20', Add	32.44	
For Elevated Installation >20' To 25', Add	40.55	
For Elevated Installation >25' To 30', Add	56.77	
For Elevated Installation >30' To 35', Add	64.88	
For Elevated Installation >35' To 40', Add	81.10	
For Elevated Installation >40', Add	89.20	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0417	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	1,401.37 52.70 17.57 35.13 43.92 61.48 70.27 87.84 96.62	70.28
26 05 33	13-0418	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	2,093.03 64.87 21.62 43.25 54.06 75.68 86.49 108.12 118.93	86.49
26 05 33	13-0419	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	2,585.41 72.00 24.00 48.00 60.00 84.00 96.00 120.01 132.01	95.95
26 05 33 13-0420 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings <small>(26 05 33 13-0059)</small>					
Note: Type DX					
26 05 33	13-0421	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	220.79 16.22 5.41 10.81 13.52 18.92 21.62 27.03 29.73	21.62
26 05 33	13-0422	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	261.82 18.24 6.08 12.16 15.20 21.28 24.32 30.41 33.45	24.32
26 05 33	13-0423	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	314.51 20.27 6.76 13.52 16.90 23.65 27.03 33.79 37.17	27.03
26 05 33	13-0424	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	368.02 22.30 7.43 14.87 18.58 26.02 29.73 37.17 40.88	29.73
26 05 33	13-0425	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	406.59 24.32 8.11 16.22 20.27 28.38 32.43 40.54 44.59	32.44
26 05 33	13-0426	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	498.37 26.35 8.78 17.57 21.96 30.74 35.13 43.92 48.31	35.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0427 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	656.03	43.25
<i>For Work In Restricted Working Space, Add</i>	32.43	
<i>For Elevated Installation >10' To 15', Add</i>	10.81	
<i>For Elevated Installation >15' To 20', Add</i>	21.62	
<i>For Elevated Installation >20' To 25', Add</i>	27.03	
<i>For Elevated Installation >25' To 30', Add</i>	37.84	
<i>For Elevated Installation >30' To 35', Add</i>	43.24	
<i>For Elevated Installation >35' To 40', Add</i>	54.06	
<i>For Elevated Installation >40', Add</i>	59.46	
26 05 33 13-0428 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	831.32	54.05
<i>For Work In Restricted Working Space, Add</i>	40.54	
<i>For Elevated Installation >10' To 15', Add</i>	13.51	
<i>For Elevated Installation >15' To 20', Add</i>	27.03	
<i>For Elevated Installation >20' To 25', Add</i>	33.79	
<i>For Elevated Installation >25' To 30', Add</i>	47.30	
<i>For Elevated Installation >30' To 35', Add</i>	54.06	
<i>For Elevated Installation >35' To 40', Add</i>	67.57	
<i>For Elevated Installation >40', Add</i>	74.33	
26 05 33 13-0429 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	938.80	64.87
<i>For Work In Restricted Working Space, Add</i>	48.66	
<i>For Elevated Installation >10' To 15', Add</i>	16.22	
<i>For Elevated Installation >15' To 20', Add</i>	32.44	
<i>For Elevated Installation >20' To 25', Add</i>	40.55	
<i>For Elevated Installation >25' To 30', Add</i>	56.77	
<i>For Elevated Installation >30' To 35', Add</i>	64.88	
<i>For Elevated Installation >35' To 40', Add</i>	81.10	
<i>For Elevated Installation >40', Add</i>	89.20	
26 05 33 13-0430 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,131.37	70.28
<i>For Work In Restricted Working Space, Add</i>	52.70	
<i>For Elevated Installation >10' To 15', Add</i>	17.57	
<i>For Elevated Installation >15' To 20', Add</i>	35.13	
<i>For Elevated Installation >20' To 25', Add</i>	43.92	
<i>For Elevated Installation >25' To 30', Add</i>	61.48	
<i>For Elevated Installation >30' To 35', Add</i>	70.27	
<i>For Elevated Installation >35' To 40', Add</i>	87.84	
<i>For Elevated Installation >40', Add</i>	96.62	
26 05 33 13-0431 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,906.84	86.49
<i>For Work In Restricted Working Space, Add</i>	64.87	
<i>For Elevated Installation >10' To 15', Add</i>	21.62	
<i>For Elevated Installation >15' To 20', Add</i>	43.25	
<i>For Elevated Installation >20' To 25', Add</i>	54.06	
<i>For Elevated Installation >25' To 30', Add</i>	75.68	
<i>For Elevated Installation >30' To 35', Add</i>	86.49	
<i>For Elevated Installation >35' To 40', Add</i>	108.12	
<i>For Elevated Installation >40', Add</i>	118.93	
26 05 33 13-0432 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	2,997.16	95.95
<i>For Work In Restricted Working Space, Add</i>	72.00	
<i>For Elevated Installation >10' To 15', Add</i>	24.00	
<i>For Elevated Installation >15' To 20', Add</i>	48.00	
<i>For Elevated Installation >20' To 25', Add</i>	60.00	
<i>For Elevated Installation >25' To 30', Add</i>	84.00	
<i>For Elevated Installation >30' To 35', Add</i>	96.00	
<i>For Elevated Installation >35' To 40', Add</i>	120.01	
<i>For Elevated Installation >40', Add</i>	132.01	
26 05 33 13-0433 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers (26 05 33 13-0059)		
26 05 33 13-0434 EA 1/2" To 3/4" Conduit, 14" Bonding Jumper.....	61.41	10.81
<i>For Work In Restricted Working Space, Add</i>	8.11	
<i>For Elevated Installation >10' To 15', Add</i>	2.70	
<i>For Elevated Installation >15' To 20', Add</i>	5.41	
<i>For Elevated Installation >20' To 25', Add</i>	6.76	
<i>For Elevated Installation >25' To 30', Add</i>	9.46	
<i>For Elevated Installation >30' To 35', Add</i>	10.82	
<i>For Elevated Installation >35' To 40', Add</i>	13.52	
<i>For Elevated Installation >40', Add</i>	14.87	
26 05 33 13-0435 EA 1" To 1-1/4" Conduit, 14" Bonding Jumper.....	71.64	13.52
<i>For Work In Restricted Working Space, Add</i>	10.14	
<i>For Elevated Installation >10' To 15', Add</i>	3.38	
<i>For Elevated Installation >15' To 20', Add</i>	6.76	
<i>For Elevated Installation >20' To 25', Add</i>	8.45	
<i>For Elevated Installation >25' To 30', Add</i>	11.83	
<i>For Elevated Installation >30' To 35', Add</i>	13.52	
<i>For Elevated Installation >35' To 40', Add</i>	16.90	
<i>For Elevated Installation >40', Add</i>	18.58	
26 05 33 13-0436 EA 1-1/2" To 2" Conduit, 14" Bonding Jumper.....	87.94	16.21
<i>For Work In Restricted Working Space, Add</i>	12.16	
<i>For Elevated Installation >10' To 15', Add</i>	4.05	
<i>For Elevated Installation >15' To 20', Add</i>	8.11	
<i>For Elevated Installation >20' To 25', Add</i>	10.14	
<i>For Elevated Installation >25' To 30', Add</i>	14.19	
<i>For Elevated Installation >30' To 35', Add</i>	16.22	
<i>For Elevated Installation >35' To 40', Add</i>	20.27	
<i>For Elevated Installation >40', Add</i>	22.30	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0437	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	122.55	21.62
			<i>For Work In Restricted Working Space, Add</i>	16.22	
			<i>For Elevated Installation >10' To 15', Add</i>	5.41	
			<i>For Elevated Installation >15' To 20', Add</i>	10.81	
			<i>For Elevated Installation >20' To 25', Add</i>	13.51	
			<i>For Elevated Installation >25' To 30', Add</i>	18.92	
			<i>For Elevated Installation >30' To 35', Add</i>	21.62	
			<i>For Elevated Installation >35' To 40', Add</i>	27.03	
			<i>For Elevated Installation >40', Add</i>	29.73	
26 05 33	13-0438	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper	185.40	32.44
			<i>For Work In Restricted Working Space, Add</i>	24.33	
			<i>For Elevated Installation >10' To 15', Add</i>	8.11	
			<i>For Elevated Installation >15' To 20', Add</i>	16.22	
			<i>For Elevated Installation >20' To 25', Add</i>	20.27	
			<i>For Elevated Installation >25' To 30', Add</i>	28.38	
			<i>For Elevated Installation >30' To 35', Add</i>	32.44	
			<i>For Elevated Installation >35' To 40', Add</i>	40.55	
			<i>For Elevated Installation >40', Add</i>	44.60	
26 05 33	13-0439	EA	5" To 6" Conduit, 14" Bonding Jumper	306.30	43.25
			<i>For Work In Restricted Working Space, Add</i>	32.43	
			<i>For Elevated Installation >10' To 15', Add</i>	10.81	
			<i>For Elevated Installation >15' To 20', Add</i>	21.62	
			<i>For Elevated Installation >20' To 25', Add</i>	27.03	
			<i>For Elevated Installation >25' To 30', Add</i>	37.84	
			<i>For Elevated Installation >30' To 35', Add</i>	43.24	
			<i>For Elevated Installation >35' To 40', Add</i>	54.06	
			<i>For Elevated Installation >40', Add</i>	59.46	
26 05 33	13-0440	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	67.30	10.81
			<i>For Work In Restricted Working Space, Add</i>	8.11	
			<i>For Elevated Installation >10' To 15', Add</i>	2.70	
			<i>For Elevated Installation >15' To 20', Add</i>	5.41	
			<i>For Elevated Installation >20' To 25', Add</i>	6.76	
			<i>For Elevated Installation >25' To 30', Add</i>	9.46	
			<i>For Elevated Installation >30' To 35', Add</i>	10.82	
			<i>For Elevated Installation >35' To 40', Add</i>	13.52	
			<i>For Elevated Installation >40', Add</i>	14.87	
26 05 33	13-0441	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper	79.08	13.52
			<i>For Work In Restricted Working Space, Add</i>	10.14	
			<i>For Elevated Installation >10' To 15', Add</i>	3.38	
			<i>For Elevated Installation >15' To 20', Add</i>	6.76	
			<i>For Elevated Installation >20' To 25', Add</i>	8.45	
			<i>For Elevated Installation >25' To 30', Add</i>	11.83	
			<i>For Elevated Installation >30' To 35', Add</i>	13.52	
			<i>For Elevated Installation >35' To 40', Add</i>	16.90	
			<i>For Elevated Installation >40', Add</i>	18.58	
26 05 33	13-0442	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	94.75	16.21
			<i>For Work In Restricted Working Space, Add</i>	12.16	
			<i>For Elevated Installation >10' To 15', Add</i>	4.05	
			<i>For Elevated Installation >15' To 20', Add</i>	8.11	
			<i>For Elevated Installation >20' To 25', Add</i>	10.14	
			<i>For Elevated Installation >25' To 30', Add</i>	14.19	
			<i>For Elevated Installation >30' To 35', Add</i>	16.22	
			<i>For Elevated Installation >35' To 40', Add</i>	20.27	
			<i>For Elevated Installation >40', Add</i>	22.30	
26 05 33	13-0443	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	131.59	21.62
			<i>For Work In Restricted Working Space, Add</i>	16.22	
			<i>For Elevated Installation >10' To 15', Add</i>	5.41	
			<i>For Elevated Installation >15' To 20', Add</i>	10.81	
			<i>For Elevated Installation >20' To 25', Add</i>	13.51	
			<i>For Elevated Installation >25' To 30', Add</i>	18.92	
			<i>For Elevated Installation >30' To 35', Add</i>	21.62	
			<i>For Elevated Installation >35' To 40', Add</i>	27.03	
			<i>For Elevated Installation >40', Add</i>	29.73	
26 05 33	13-0444	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	197.40	32.44
			<i>For Work In Restricted Working Space, Add</i>	24.33	
			<i>For Elevated Installation >10' To 15', Add</i>	8.11	
			<i>For Elevated Installation >15' To 20', Add</i>	16.22	
			<i>For Elevated Installation >20' To 25', Add</i>	20.27	
			<i>For Elevated Installation >25' To 30', Add</i>	28.38	
			<i>For Elevated Installation >30' To 35', Add</i>	32.44	
			<i>For Elevated Installation >35' To 40', Add</i>	40.55	
			<i>For Elevated Installation >40', Add</i>	44.60	
26 05 33	13-0445	EA	5" To 6" Conduit, 24" Bonding Jumper	345.00	43.25
			<i>For Work In Restricted Working Space, Add</i>	32.43	
			<i>For Elevated Installation >10' To 15', Add</i>	10.81	
			<i>For Elevated Installation >15' To 20', Add</i>	21.62	
			<i>For Elevated Installation >20' To 25', Add</i>	27.03	
			<i>For Elevated Installation >25' To 30', Add</i>	37.84	
			<i>For Elevated Installation >30' To 35', Add</i>	43.24	
			<i>For Elevated Installation >35' To 40', Add</i>	54.06	
			<i>For Elevated Installation >40', Add</i>	59.46	

26 05 33 13-0446 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0059)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0447 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	117.07	33.78
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 33 13-0448 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	139.22	40.54
For Work In Restricted Working Space, Add	24.33	
For Elevated Installation >10' To 15', Add	8.11	
For Elevated Installation >15' To 20', Add	16.22	
For Elevated Installation >20' To 25', Add	20.27	
For Elevated Installation >25' To 30', Add	28.38	
For Elevated Installation >30' To 35', Add	32.44	
For Elevated Installation >35' To 40', Add	40.55	
For Elevated Installation >40', Add	44.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.33	
26 05 33 13-0449 EA 1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	169.31	47.30
For Work In Restricted Working Space, Add	28.38	
For Elevated Installation >10' To 15', Add	9.46	
For Elevated Installation >15' To 20', Add	18.92	
For Elevated Installation >20' To 25', Add	23.65	
For Elevated Installation >25' To 30', Add	33.11	
For Elevated Installation >30' To 35', Add	37.84	
For Elevated Installation >35' To 40', Add	47.30	
For Elevated Installation >40', Add	52.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.38	
26 05 33 13-0450 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	198.84	54.05
For Work In Restricted Working Space, Add	32.43	
For Elevated Installation >10' To 15', Add	10.81	
For Elevated Installation >15' To 20', Add	21.62	
For Elevated Installation >20' To 25', Add	27.03	
For Elevated Installation >25' To 30', Add	37.84	
For Elevated Installation >30' To 35', Add	43.24	
For Elevated Installation >35' To 40', Add	54.06	
For Elevated Installation >40', Add	59.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.43	
26 05 33 13-0451 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	258.22	60.82
For Work In Restricted Working Space, Add	36.49	
For Elevated Installation >10' To 15', Add	12.16	
For Elevated Installation >15' To 20', Add	24.32	
For Elevated Installation >20' To 25', Add	30.41	
For Elevated Installation >25' To 30', Add	42.57	
For Elevated Installation >30' To 35', Add	48.65	
For Elevated Installation >35' To 40', Add	60.81	
For Elevated Installation >40', Add	66.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.49	
26 05 33 13-0452 EA 2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	312.12	67.57
For Work In Restricted Working Space, Add	40.54	
For Elevated Installation >10' To 15', Add	13.51	
For Elevated Installation >15' To 20', Add	27.03	
For Elevated Installation >20' To 25', Add	33.79	
For Elevated Installation >25' To 30', Add	47.30	
For Elevated Installation >30' To 35', Add	54.06	
For Elevated Installation >35' To 40', Add	67.57	
For Elevated Installation >40', Add	74.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.54	
26 05 33 13-0453 EA 2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	437.14	81.09
For Work In Restricted Working Space, Add	48.65	
For Elevated Installation >10' To 15', Add	16.22	
For Elevated Installation >15' To 20', Add	32.43	
For Elevated Installation >20' To 25', Add	40.54	
For Elevated Installation >25' To 30', Add	56.76	
For Elevated Installation >30' To 35', Add	64.87	
For Elevated Installation >35' To 40', Add	81.09	
For Elevated Installation >40', Add	89.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.65	
26 05 33 13-0454 EA 3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	525.08	94.60
For Work In Restricted Working Space, Add	56.76	
For Elevated Installation >10' To 15', Add	18.92	
For Elevated Installation >15' To 20', Add	37.84	
For Elevated Installation >20' To 25', Add	47.30	
For Elevated Installation >25' To 30', Add	66.22	
For Elevated Installation >30' To 35', Add	75.68	
For Elevated Installation >35' To 40', Add	94.60	
For Elevated Installation >40', Add	104.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.76	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0455	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	1,184.95	108.11
			<i>For Work In Restricted Working Space, Add</i>	64.87	
			<i>For Elevated Installation >10' To 15', Add</i>	21.62	
			<i>For Elevated Installation >15' To 20', Add</i>	43.25	
			<i>For Elevated Installation >20' To 25', Add</i>	54.06	
			<i>For Elevated Installation >25' To 30', Add</i>	75.68	
			<i>For Elevated Installation >30' To 35', Add</i>	86.49	
			<i>For Elevated Installation >35' To 40', Add</i>	108.12	
			<i>For Elevated Installation >40', Add</i>	118.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.87	
26 05 33	13-0456	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	1,364.41	121.62
			<i>For Work In Restricted Working Space, Add</i>	72.98	
			<i>For Elevated Installation >10' To 15', Add</i>	24.33	
			<i>For Elevated Installation >15' To 20', Add</i>	48.65	
			<i>For Elevated Installation >20' To 25', Add</i>	60.82	
			<i>For Elevated Installation >25' To 30', Add</i>	85.14	
			<i>For Elevated Installation >30' To 35', Add</i>	97.30	
			<i>For Elevated Installation >35' To 40', Add</i>	121.63	
			<i>For Elevated Installation >40', Add</i>	133.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.98	
26 05 33	13-0457		Rigid Galvanized Steel (RGS) Threaded Couplings <small>(26 05 33 13-0059)</small>		
26 05 33	13-0458	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	17.33	8.11
			<i>For Work In Restricted Working Space, Add</i>	4.86	
			<i>For Elevated Installation >10' To 15', Add</i>	1.62	
			<i>For Elevated Installation >15' To 20', Add</i>	3.24	
			<i>For Elevated Installation >20' To 25', Add</i>	4.05	
			<i>For Elevated Installation >25' To 30', Add</i>	5.67	
			<i>For Elevated Installation >30' To 35', Add</i>	6.48	
			<i>For Elevated Installation >35' To 40', Add</i>	8.11	
			<i>For Elevated Installation >40', Add</i>	8.92	
26 05 33	13-0459	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	24.38	11.48
			<i>For Work In Restricted Working Space, Add</i>	6.89	
			<i>For Elevated Installation >10' To 15', Add</i>	2.30	
			<i>For Elevated Installation >15' To 20', Add</i>	4.60	
			<i>For Elevated Installation >20' To 25', Add</i>	5.75	
			<i>For Elevated Installation >25' To 30', Add</i>	8.04	
			<i>For Elevated Installation >30' To 35', Add</i>	9.19	
			<i>For Elevated Installation >35' To 40', Add</i>	11.49	
			<i>For Elevated Installation >40', Add</i>	12.64	
26 05 33	13-0460	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	31.87	14.86
			<i>For Work In Restricted Working Space, Add</i>	8.92	
			<i>For Elevated Installation >10' To 15', Add</i>	2.97	
			<i>For Elevated Installation >15' To 20', Add</i>	5.95	
			<i>For Elevated Installation >20' To 25', Add</i>	7.43	
			<i>For Elevated Installation >25' To 30', Add</i>	10.41	
			<i>For Elevated Installation >30' To 35', Add</i>	11.89	
			<i>For Elevated Installation >35' To 40', Add</i>	14.87	
			<i>For Elevated Installation >40', Add</i>	16.35	
26 05 33	13-0461	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	36.48	16.90
			<i>For Work In Restricted Working Space, Add</i>	10.13	
			<i>For Elevated Installation >10' To 15', Add</i>	3.38	
			<i>For Elevated Installation >15' To 20', Add</i>	6.76	
			<i>For Elevated Installation >20' To 25', Add</i>	8.45	
			<i>For Elevated Installation >25' To 30', Add</i>	11.82	
			<i>For Elevated Installation >30' To 35', Add</i>	13.51	
			<i>For Elevated Installation >35' To 40', Add</i>	16.89	
			<i>For Elevated Installation >40', Add</i>	18.58	
26 05 33	13-0462	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	43.92	20.27
			<i>For Work In Restricted Working Space, Add</i>	12.16	
			<i>For Elevated Installation >10' To 15', Add</i>	4.05	
			<i>For Elevated Installation >15' To 20', Add</i>	8.11	
			<i>For Elevated Installation >20' To 25', Add</i>	10.14	
			<i>For Elevated Installation >25' To 30', Add</i>	14.19	
			<i>For Elevated Installation >30' To 35', Add</i>	16.22	
			<i>For Elevated Installation >35' To 40', Add</i>	20.27	
			<i>For Elevated Installation >40', Add</i>	22.30	
26 05 33	13-0463	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	50.99	22.98
			<i>For Work In Restricted Working Space, Add</i>	13.79	
			<i>For Elevated Installation >10' To 15', Add</i>	4.60	
			<i>For Elevated Installation >15' To 20', Add</i>	9.19	
			<i>For Elevated Installation >20' To 25', Add</i>	11.49	
			<i>For Elevated Installation >25' To 30', Add</i>	16.08	
			<i>For Elevated Installation >30' To 35', Add</i>	18.38	
			<i>For Elevated Installation >35' To 40', Add</i>	22.98	
			<i>For Elevated Installation >40', Add</i>	25.27	
26 05 33	13-0464	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	62.67	25.67
			<i>For Work In Restricted Working Space, Add</i>	15.41	
			<i>For Elevated Installation >10' To 15', Add</i>	5.14	
			<i>For Elevated Installation >15' To 20', Add</i>	10.27	
			<i>For Elevated Installation >20' To 25', Add</i>	12.84	
			<i>For Elevated Installation >25' To 30', Add</i>	17.98	
			<i>For Elevated Installation >30' To 35', Add</i>	20.54	
			<i>For Elevated Installation >35' To 40', Add</i>	25.68	
			<i>For Elevated Installation >40', Add</i>	28.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0465 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	72.81	29.05
<i>For Work In Restricted Working Space, Add</i>	17.43	
<i>For Elevated Installation >10' To 15', Add</i>	5.81	
<i>For Elevated Installation >15' To 20', Add</i>	11.62	
<i>For Elevated Installation >20' To 25', Add</i>	14.53	
<i>For Elevated Installation >25' To 30', Add</i>	20.34	
<i>For Elevated Installation >30' To 35', Add</i>	23.24	
<i>For Elevated Installation >35' To 40', Add</i>	29.06	
<i>For Elevated Installation >40', Add</i>	31.96	
26 05 33 13-0466 EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	83.37	31.76
<i>For Work In Restricted Working Space, Add</i>	19.05	
<i>For Elevated Installation >10' To 15', Add</i>	6.35	
<i>For Elevated Installation >15' To 20', Add</i>	12.70	
<i>For Elevated Installation >20' To 25', Add</i>	15.88	
<i>For Elevated Installation >25' To 30', Add</i>	22.23	
<i>For Elevated Installation >30' To 35', Add</i>	25.40	
<i>For Elevated Installation >35' To 40', Add</i>	31.76	
<i>For Elevated Installation >40', Add</i>	34.93	
26 05 33 13-0467 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	88.26	33.78
<i>For Work In Restricted Working Space, Add</i>	20.27	
<i>For Elevated Installation >10' To 15', Add</i>	6.76	
<i>For Elevated Installation >15' To 20', Add</i>	13.51	
<i>For Elevated Installation >20' To 25', Add</i>	16.89	
<i>For Elevated Installation >25' To 30', Add</i>	23.65	
<i>For Elevated Installation >30' To 35', Add</i>	27.03	
<i>For Elevated Installation >35' To 40', Add</i>	33.79	
<i>For Elevated Installation >40', Add</i>	37.16	
26 05 33 13-0468 Rigid Galvanized Steel (RGS) Sealing Locknut <small>(26 05 33 13-0059)</small>		
26 05 33 13-0469 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.70	1.35
26 05 33 13-0470 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	5.20	2.02
26 05 33 13-0471 EA 1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	8.63	3.38
26 05 33 13-0472 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	12.40	4.73
26 05 33 13-0473 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	14.69	5.40
26 05 33 13-0474 EA 2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	17.11	6.08
26 05 33 13-0475 Rigid Galvanized Steel (RGS) Fire Stop Fittings <small>(26 05 33 13-0059)</small>		
26 05 33 13-0476 EA 1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	238.20	16.40
<i>For Work In Restricted Working Space, Add</i>	12.30	
<i>For Elevated Installation >10' To 15', Add</i>	4.10	
<i>For Elevated Installation >15' To 20', Add</i>	8.20	
<i>For Elevated Installation >20' To 25', Add</i>	10.25	
<i>For Elevated Installation >25' To 30', Add</i>	14.35	
<i>For Elevated Installation >30' To 35', Add</i>	16.40	
<i>For Elevated Installation >35' To 40', Add</i>	20.50	
<i>For Elevated Installation >40', Add</i>	22.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.30	
26 05 33 13-0477 EA 3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	242.16	17.98
<i>For Work In Restricted Working Space, Add</i>	13.49	
<i>For Elevated Installation >10' To 15', Add</i>	4.50	
<i>For Elevated Installation >15' To 20', Add</i>	8.99	
<i>For Elevated Installation >20' To 25', Add</i>	11.24	
<i>For Elevated Installation >25' To 30', Add</i>	15.74	
<i>For Elevated Installation >30' To 35', Add</i>	17.98	
<i>For Elevated Installation >35' To 40', Add</i>	22.48	
<i>For Elevated Installation >40', Add</i>	24.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.49	
26 05 33 13-0478 EA 1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	290.58	19.73
<i>For Work In Restricted Working Space, Add</i>	14.77	
<i>For Elevated Installation >10' To 15', Add</i>	4.92	
<i>For Elevated Installation >15' To 20', Add</i>	9.85	
<i>For Elevated Installation >20' To 25', Add</i>	12.31	
<i>For Elevated Installation >25' To 30', Add</i>	17.23	
<i>For Elevated Installation >30' To 35', Add</i>	19.69	
<i>For Elevated Installation >35' To 40', Add</i>	24.62	
<i>For Elevated Installation >40', Add</i>	27.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.77	
26 05 33 13-0479 EA 1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	319.00	21.62
<i>For Work In Restricted Working Space, Add</i>	16.23	
<i>For Elevated Installation >10' To 15', Add</i>	5.41	
<i>For Elevated Installation >15' To 20', Add</i>	10.82	
<i>For Elevated Installation >20' To 25', Add</i>	13.53	
<i>For Elevated Installation >25' To 30', Add</i>	18.94	
<i>For Elevated Installation >30' To 35', Add</i>	21.64	
<i>For Elevated Installation >35' To 40', Add</i>	27.05	
<i>For Elevated Installation >40', Add</i>	29.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.23	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0480 EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	363.99	24.32
For Work In Restricted Working Space, Add	18.25	
For Elevated Installation >10' To 15', Add	6.08	
For Elevated Installation >15' To 20', Add	12.16	
For Elevated Installation >20' To 25', Add	15.21	
For Elevated Installation >25' To 30', Add	21.29	
For Elevated Installation >30' To 35', Add	24.33	
For Elevated Installation >35' To 40', Add	30.41	
For Elevated Installation >40', Add	33.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.25	
26 05 33 13-0481 EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	538.55	27.03
For Work In Restricted Working Space, Add	20.28	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.52	
For Elevated Installation >20' To 25', Add	16.90	
For Elevated Installation >25' To 30', Add	23.66	
For Elevated Installation >30' To 35', Add	27.04	
For Elevated Installation >35' To 40', Add	33.81	
For Elevated Installation >40', Add	37.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.28	
26 05 33 13-0482 EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	619.95	36.09
For Work In Restricted Working Space, Add	27.05	
For Elevated Installation >10' To 15', Add	9.02	
For Elevated Installation >15' To 20', Add	18.03	
For Elevated Installation >20' To 25', Add	22.54	
For Elevated Installation >25' To 30', Add	31.55	
For Elevated Installation >30' To 35', Add	36.06	
For Elevated Installation >35' To 40', Add	45.08	
For Elevated Installation >40', Add	49.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.05	
26 05 33 13-0483 EA 3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	687.73	39.59
For Work In Restricted Working Space, Add	29.72	
For Elevated Installation >10' To 15', Add	9.91	
For Elevated Installation >15' To 20', Add	19.81	
For Elevated Installation >20' To 25', Add	24.77	
For Elevated Installation >25' To 30', Add	34.67	
For Elevated Installation >30' To 35', Add	39.62	
For Elevated Installation >35' To 40', Add	49.53	
For Elevated Installation >40', Add	54.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.72	
26 05 33 13-0484 EA 3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	799.82	43.25
For Work In Restricted Working Space, Add	32.44	
For Elevated Installation >10' To 15', Add	10.81	
For Elevated Installation >15' To 20', Add	21.63	
For Elevated Installation >20' To 25', Add	27.03	
For Elevated Installation >25' To 30', Add	37.85	
For Elevated Installation >30' To 35', Add	43.25	
For Elevated Installation >35' To 40', Add	54.07	
For Elevated Installation >40', Add	59.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.44	
26 05 33 13-0485 EA 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	901.61	48.65
For Work In Restricted Working Space, Add	36.49	
For Elevated Installation >10' To 15', Add	12.16	
For Elevated Installation >15' To 20', Add	24.32	
For Elevated Installation >20' To 25', Add	30.41	
For Elevated Installation >25' To 30', Add	42.57	
For Elevated Installation >30' To 35', Add	48.65	
For Elevated Installation >35' To 40', Add	60.81	
For Elevated Installation >40', Add	66.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.49	
26 05 33 13-0486 EA 5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,209.46	54.05
For Work In Restricted Working Space, Add	40.54	
For Elevated Installation >10' To 15', Add	13.51	
For Elevated Installation >15' To 20', Add	27.03	
For Elevated Installation >20' To 25', Add	33.79	
For Elevated Installation >25' To 30', Add	47.30	
For Elevated Installation >30' To 35', Add	54.06	
For Elevated Installation >35' To 40', Add	67.57	
For Elevated Installation >40', Add	74.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.54	
26 05 33 13-0487 EA 6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,503.94	60.00
For Work In Restricted Working Space, Add	45.00	
For Elevated Installation >10' To 15', Add	15.00	
For Elevated Installation >15' To 20', Add	30.00	
For Elevated Installation >20' To 25', Add	37.50	
For Elevated Installation >25' To 30', Add	52.50	
For Elevated Installation >30' To 35', Add	60.00	
For Elevated Installation >35' To 40', Add	75.00	
For Elevated Installation >40', Add	82.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.00	

26 05 33 13-0488 Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0059)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0489 EA 3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	21.71	10.47
For Work In Restricted Working Space, Add	6.28	
For Elevated Installation >10' To 15', Add	2.09	
For Elevated Installation >15' To 20', Add	4.19	
For Elevated Installation >20' To 25', Add	5.24	
For Elevated Installation >25' To 30', Add	7.33	
For Elevated Installation >30' To 35', Add	8.38	
For Elevated Installation >35' To 40', Add	10.47	
For Elevated Installation >40', Add	11.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.28	
26 05 33 13-0490 EA 1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	23.70	11.15
For Work In Restricted Working Space, Add	6.69	
For Elevated Installation >10' To 15', Add	2.23	
For Elevated Installation >15' To 20', Add	4.46	
For Elevated Installation >20' To 25', Add	5.58	
For Elevated Installation >25' To 30', Add	7.81	
For Elevated Installation >30' To 35', Add	8.92	
For Elevated Installation >35' To 40', Add	11.15	
For Elevated Installation >40', Add	12.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.69	
26 05 33 13-0491 EA 1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	24.38	11.48
For Work In Restricted Working Space, Add	6.89	
For Elevated Installation >10' To 15', Add	2.30	
For Elevated Installation >15' To 20', Add	4.60	
For Elevated Installation >20' To 25', Add	5.75	
For Elevated Installation >25' To 30', Add	8.04	
For Elevated Installation >30' To 35', Add	9.19	
For Elevated Installation >35' To 40', Add	11.49	
For Elevated Installation >40', Add	12.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.89	
26 05 33 13-0492 EA 1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	27.29	11.82
For Work In Restricted Working Space, Add	7.10	
For Elevated Installation >10' To 15', Add	2.37	
For Elevated Installation >15' To 20', Add	4.73	
For Elevated Installation >20' To 25', Add	5.91	
For Elevated Installation >25' To 30', Add	8.28	
For Elevated Installation >30' To 35', Add	9.46	
For Elevated Installation >35' To 40', Add	11.83	
For Elevated Installation >40', Add	13.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.10	
26 05 33 13-0493 EA 1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	27.96	12.17
For Work In Restricted Working Space, Add	7.30	
For Elevated Installation >10' To 15', Add	2.43	
For Elevated Installation >15' To 20', Add	4.86	
For Elevated Installation >20' To 25', Add	6.08	
For Elevated Installation >25' To 30', Add	8.51	
For Elevated Installation >30' To 35', Add	9.73	
For Elevated Installation >35' To 40', Add	12.16	
For Elevated Installation >40', Add	13.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.30	
26 05 33 13-0494 EA 1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	29.31	12.84
For Work In Restricted Working Space, Add	7.70	
For Elevated Installation >10' To 15', Add	2.57	
For Elevated Installation >15' To 20', Add	5.13	
For Elevated Installation >20' To 25', Add	6.42	
For Elevated Installation >25' To 30', Add	8.98	
For Elevated Installation >30' To 35', Add	10.27	
For Elevated Installation >35' To 40', Add	12.84	
For Elevated Installation >40', Add	14.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-0495 EA 1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	31.44	13.52
For Work In Restricted Working Space, Add	8.11	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.41	
For Elevated Installation >20' To 25', Add	6.76	
For Elevated Installation >25' To 30', Add	9.46	
For Elevated Installation >30' To 35', Add	10.81	
For Elevated Installation >35' To 40', Add	13.52	
For Elevated Installation >40', Add	14.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.11	
26 05 33 13-0496 EA 1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	32.12	13.85
For Work In Restricted Working Space, Add	8.31	
For Elevated Installation >10' To 15', Add	2.77	
For Elevated Installation >15' To 20', Add	5.54	
For Elevated Installation >20' To 25', Add	6.93	
For Elevated Installation >25' To 30', Add	9.70	
For Elevated Installation >30' To 35', Add	11.08	
For Elevated Installation >35' To 40', Add	13.86	
For Elevated Installation >40', Add	15.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0497 EA 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	33.46	14.53
For Work In Restricted Working Space, Add	8.72	
For Elevated Installation >10' To 15', Add	2.91	
For Elevated Installation >15' To 20', Add	5.81	
For Elevated Installation >20' To 25', Add	7.26	
For Elevated Installation >25' To 30', Add	10.17	
For Elevated Installation >30' To 35', Add	11.62	
For Elevated Installation >35' To 40', Add	14.53	
For Elevated Installation >40', Add	15.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.72	
26 05 33 13-0498 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	34.81	15.20
For Work In Restricted Working Space, Add	9.12	
For Elevated Installation >10' To 15', Add	3.04	
For Elevated Installation >15' To 20', Add	6.08	
For Elevated Installation >20' To 25', Add	7.60	
For Elevated Installation >25' To 30', Add	10.64	
For Elevated Installation >30' To 35', Add	12.16	
For Elevated Installation >35' To 40', Add	15.20	
For Elevated Installation >40', Add	16.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.12	
26 05 33 13-0499 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	40.09	15.20
For Work In Restricted Working Space, Add	9.12	
For Elevated Installation >10' To 15', Add	3.04	
For Elevated Installation >15' To 20', Add	6.08	
For Elevated Installation >20' To 25', Add	7.60	
For Elevated Installation >25' To 30', Add	10.64	
For Elevated Installation >30' To 35', Add	12.16	
For Elevated Installation >35' To 40', Add	15.20	
For Elevated Installation >40', Add	16.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.12	
26 05 33 13-0500 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	40.77	15.54
For Work In Restricted Working Space, Add	9.32	
For Elevated Installation >10' To 15', Add	3.11	
For Elevated Installation >15' To 20', Add	6.22	
For Elevated Installation >20' To 25', Add	7.77	
For Elevated Installation >25' To 30', Add	10.88	
For Elevated Installation >30' To 35', Add	12.43	
For Elevated Installation >35' To 40', Add	15.54	
For Elevated Installation >40', Add	17.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.32	
26 05 33 13-0501 EA 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	42.13	16.21
For Work In Restricted Working Space, Add	9.73	
For Elevated Installation >10' To 15', Add	3.24	
For Elevated Installation >15' To 20', Add	6.49	
For Elevated Installation >20' To 25', Add	8.11	
For Elevated Installation >25' To 30', Add	11.35	
For Elevated Installation >30' To 35', Add	12.98	
For Elevated Installation >35' To 40', Add	16.22	
For Elevated Installation >40', Add	17.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.73	
26 05 33 13-0502 EA 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	43.47	16.90
For Work In Restricted Working Space, Add	10.13	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.76	
For Elevated Installation >20' To 25', Add	8.45	
For Elevated Installation >25' To 30', Add	11.82	
For Elevated Installation >30' To 35', Add	13.51	
For Elevated Installation >35' To 40', Add	16.89	
For Elevated Installation >40', Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 05 33 13-0503 EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	46.86	18.58
For Work In Restricted Working Space, Add	11.15	
For Elevated Installation >10' To 15', Add	3.72	
For Elevated Installation >15' To 20', Add	7.43	
For Elevated Installation >20' To 25', Add	9.29	
For Elevated Installation >25' To 30', Add	13.01	
For Elevated Installation >30' To 35', Add	14.87	
For Elevated Installation >35' To 40', Add	18.59	
For Elevated Installation >40', Add	20.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.15	
26 05 33 13-0504 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	58.28	21.96
For Work In Restricted Working Space, Add	13.18	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.98	
For Elevated Installation >25' To 30', Add	15.37	
For Elevated Installation >30' To 35', Add	17.57	
For Elevated Installation >35' To 40', Add	21.96	
For Elevated Installation >40', Add	24.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.18	

26 05 33 13-0505 Rigid Galvanized Steel (RGS) Locknuts (26 05 33 13-0059)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0506 EA 1/2" Rigid Galvanized Steel (RGS) Locknuts.....	2.78	1.35
<i>For Work In Restricted Working Space, Add</i>	0.81	
<i>For Elevated Installation >10' To 15', Add</i>	0.27	
<i>For Elevated Installation >15' To 20', Add</i>	0.54	
<i>For Elevated Installation >20' To 25', Add</i>	0.68	
<i>For Elevated Installation >25' To 30', Add</i>	0.95	
<i>For Elevated Installation >30' To 35', Add</i>	1.08	
<i>For Elevated Installation >35' To 40', Add</i>	1.36	
<i>For Elevated Installation >40', Add</i>	1.49	
26 05 33 13-0507 EA 3/4" Rigid Galvanized Steel (RGS) Locknuts.....	4.16	2.02
<i>For Work In Restricted Working Space, Add</i>	1.22	
<i>For Elevated Installation >10' To 15', Add</i>	0.41	
<i>For Elevated Installation >15' To 20', Add</i>	0.81	
<i>For Elevated Installation >20' To 25', Add</i>	1.02	
<i>For Elevated Installation >25' To 30', Add</i>	1.42	
<i>For Elevated Installation >30' To 35', Add</i>	1.62	
<i>For Elevated Installation >35' To 40', Add</i>	2.03	
<i>For Elevated Installation >40', Add</i>	2.23	
26 05 33 13-0508 EA 1" Rigid Galvanized Steel (RGS) Locknuts.....	6.92	3.38
<i>For Work In Restricted Working Space, Add</i>	2.03	
<i>For Elevated Installation >10' To 15', Add</i>	0.68	
<i>For Elevated Installation >15' To 20', Add</i>	1.35	
<i>For Elevated Installation >20' To 25', Add</i>	1.69	
<i>For Elevated Installation >25' To 30', Add</i>	2.36	
<i>For Elevated Installation >30' To 35', Add</i>	2.70	
<i>For Elevated Installation >35' To 40', Add</i>	3.38	
<i>For Elevated Installation >40', Add</i>	3.71	
26 05 33 13-0509 EA 1-1/4" Rigid Galvanized Steel (RGS) Locknuts.....	9.73	4.73
<i>For Work In Restricted Working Space, Add</i>	2.84	
<i>For Elevated Installation >10' To 15', Add</i>	0.95	
<i>For Elevated Installation >15' To 20', Add</i>	1.89	
<i>For Elevated Installation >20' To 25', Add</i>	2.37	
<i>For Elevated Installation >25' To 30', Add</i>	3.31	
<i>For Elevated Installation >30' To 35', Add</i>	3.78	
<i>For Elevated Installation >35' To 40', Add</i>	4.73	
<i>For Elevated Installation >40', Add</i>	5.20	
26 05 33 13-0510 EA 1-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	11.16	5.40
<i>For Work In Restricted Working Space, Add</i>	3.24	
<i>For Elevated Installation >10' To 15', Add</i>	1.08	
<i>For Elevated Installation >15' To 20', Add</i>	2.16	
<i>For Elevated Installation >20' To 25', Add</i>	2.70	
<i>For Elevated Installation >25' To 30', Add</i>	3.78	
<i>For Elevated Installation >30' To 35', Add</i>	4.32	
<i>For Elevated Installation >35' To 40', Add</i>	5.41	
<i>For Elevated Installation >40', Add</i>	5.95	
26 05 33 13-0511 EA 2" Rigid Galvanized Steel (RGS) Locknuts.....	12.60	6.08
<i>For Work In Restricted Working Space, Add</i>	3.65	
<i>For Elevated Installation >10' To 15', Add</i>	1.22	
<i>For Elevated Installation >15' To 20', Add</i>	2.43	
<i>For Elevated Installation >20' To 25', Add</i>	3.04	
<i>For Elevated Installation >25' To 30', Add</i>	4.26	
<i>For Elevated Installation >30' To 35', Add</i>	4.87	
<i>For Elevated Installation >35' To 40', Add</i>	6.09	
<i>For Elevated Installation >40', Add</i>	6.69	
26 05 33 13-0512 EA 2-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	17.36	8.11
<i>For Work In Restricted Working Space, Add</i>	4.86	
<i>For Elevated Installation >10' To 15', Add</i>	1.62	
<i>For Elevated Installation >15' To 20', Add</i>	3.24	
<i>For Elevated Installation >20' To 25', Add</i>	4.05	
<i>For Elevated Installation >25' To 30', Add</i>	5.67	
<i>For Elevated Installation >30' To 35', Add</i>	6.48	
<i>For Elevated Installation >35' To 40', Add</i>	8.11	
<i>For Elevated Installation >40', Add</i>	8.92	
26 05 33 13-0513 EA 3" Rigid Galvanized Steel (RGS) Locknuts.....	21.54	10.13
<i>For Work In Restricted Working Space, Add</i>	6.08	
<i>For Elevated Installation >10' To 15', Add</i>	2.03	
<i>For Elevated Installation >15' To 20', Add</i>	4.05	
<i>For Elevated Installation >20' To 25', Add</i>	5.07	
<i>For Elevated Installation >25' To 30', Add</i>	7.09	
<i>For Elevated Installation >30' To 35', Add</i>	8.11	
<i>For Elevated Installation >35' To 40', Add</i>	10.14	
<i>For Elevated Installation >40', Add</i>	11.15	
26 05 33 13-0514 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	25.09	11.48
<i>For Work In Restricted Working Space, Add</i>	6.89	
<i>For Elevated Installation >10' To 15', Add</i>	2.30	
<i>For Elevated Installation >15' To 20', Add</i>	4.60	
<i>For Elevated Installation >20' To 25', Add</i>	5.75	
<i>For Elevated Installation >25' To 30', Add</i>	8.04	
<i>For Elevated Installation >30' To 35', Add</i>	9.19	
<i>For Elevated Installation >35' To 40', Add</i>	11.49	
<i>For Elevated Installation >40', Add</i>	12.64	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0515	EA	4" Rigid Galvanized Steel (RGS) Locknuts	28.10	12.84
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Elevated Installation >10' To 15', Add</i>	2.57	
			<i>For Elevated Installation >15' To 20', Add</i>	5.13	
			<i>For Elevated Installation >20' To 25', Add</i>	6.42	
			<i>For Elevated Installation >25' To 30', Add</i>	8.98	
			<i>For Elevated Installation >30' To 35', Add</i>	10.27	
			<i>For Elevated Installation >35' To 40', Add</i>	12.84	
			<i>For Elevated Installation >40', Add</i>	14.12	
26 05 33	13-0516		Rigid Galvanized Steel (RGS) Grounding Locknuts <small>(26 05 33 13-0059)</small>	3.76	1.35
26 05 33	13-0517	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	3.76	1.35
			<i>For Work In Restricted Working Space, Add</i>	0.81	
			<i>For Elevated Installation >10' To 15', Add</i>	0.27	
			<i>For Elevated Installation >15' To 20', Add</i>	0.54	
			<i>For Elevated Installation >20' To 25', Add</i>	0.68	
			<i>For Elevated Installation >25' To 30', Add</i>	0.95	
			<i>For Elevated Installation >30' To 35', Add</i>	1.08	
			<i>For Elevated Installation >35' To 40', Add</i>	1.36	
			<i>For Elevated Installation >40', Add</i>	1.49	
26 05 33	13-0518	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	5.32	2.02
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Elevated Installation >10' To 15', Add</i>	0.41	
			<i>For Elevated Installation >15' To 20', Add</i>	0.81	
			<i>For Elevated Installation >20' To 25', Add</i>	1.02	
			<i>For Elevated Installation >25' To 30', Add</i>	1.42	
			<i>For Elevated Installation >30' To 35', Add</i>	1.62	
			<i>For Elevated Installation >35' To 40', Add</i>	2.03	
			<i>For Elevated Installation >40', Add</i>	2.23	
26 05 33	13-0519	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	8.55	3.38
			<i>For Work In Restricted Working Space, Add</i>	2.03	
			<i>For Elevated Installation >10' To 15', Add</i>	0.68	
			<i>For Elevated Installation >15' To 20', Add</i>	1.35	
			<i>For Elevated Installation >20' To 25', Add</i>	1.69	
			<i>For Elevated Installation >25' To 30', Add</i>	2.36	
			<i>For Elevated Installation >30' To 35', Add</i>	2.70	
			<i>For Elevated Installation >35' To 40', Add</i>	3.38	
			<i>For Elevated Installation >40', Add</i>	3.71	
26 05 33	13-0520	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	11.97	4.73
			<i>For Work In Restricted Working Space, Add</i>	2.84	
			<i>For Elevated Installation >10' To 15', Add</i>	0.95	
			<i>For Elevated Installation >15' To 20', Add</i>	1.89	
			<i>For Elevated Installation >20' To 25', Add</i>	2.37	
			<i>For Elevated Installation >25' To 30', Add</i>	3.31	
			<i>For Elevated Installation >30' To 35', Add</i>	3.78	
			<i>For Elevated Installation >35' To 40', Add</i>	4.73	
			<i>For Elevated Installation >40', Add</i>	5.20	
26 05 33	13-0521	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	13.56	5.40
			<i>For Work In Restricted Working Space, Add</i>	3.24	
			<i>For Elevated Installation >10' To 15', Add</i>	1.08	
			<i>For Elevated Installation >15' To 20', Add</i>	2.16	
			<i>For Elevated Installation >20' To 25', Add</i>	2.70	
			<i>For Elevated Installation >25' To 30', Add</i>	3.78	
			<i>For Elevated Installation >30' To 35', Add</i>	4.32	
			<i>For Elevated Installation >35' To 40', Add</i>	5.41	
			<i>For Elevated Installation >40', Add</i>	5.95	
26 05 33	13-0522	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	15.75	6.08
			<i>For Work In Restricted Working Space, Add</i>	3.65	
			<i>For Elevated Installation >10' To 15', Add</i>	1.22	
			<i>For Elevated Installation >15' To 20', Add</i>	2.43	
			<i>For Elevated Installation >20' To 25', Add</i>	3.04	
			<i>For Elevated Installation >25' To 30', Add</i>	4.26	
			<i>For Elevated Installation >30' To 35', Add</i>	4.87	
			<i>For Elevated Installation >35' To 40', Add</i>	6.09	
			<i>For Elevated Installation >40', Add</i>	6.69	
26 05 33	13-0523	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	22.87	8.11
			<i>For Work In Restricted Working Space, Add</i>	4.86	
			<i>For Elevated Installation >10' To 15', Add</i>	1.62	
			<i>For Elevated Installation >15' To 20', Add</i>	3.24	
			<i>For Elevated Installation >20' To 25', Add</i>	4.05	
			<i>For Elevated Installation >25' To 30', Add</i>	5.67	
			<i>For Elevated Installation >30' To 35', Add</i>	6.48	
			<i>For Elevated Installation >35' To 40', Add</i>	8.11	
			<i>For Elevated Installation >40', Add</i>	8.92	
26 05 33	13-0524	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	28.73	10.13
			<i>For Work In Restricted Working Space, Add</i>	6.08	
			<i>For Elevated Installation >10' To 15', Add</i>	2.03	
			<i>For Elevated Installation >15' To 20', Add</i>	4.05	
			<i>For Elevated Installation >20' To 25', Add</i>	5.07	
			<i>For Elevated Installation >25' To 30', Add</i>	7.09	
			<i>For Elevated Installation >30' To 35', Add</i>	8.11	
			<i>For Elevated Installation >35' To 40', Add</i>	10.14	
			<i>For Elevated Installation >40', Add</i>	11.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0525 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	36.71	11.48
For Work In Restricted Working Space, Add	6.89	
For Elevated Installation >10' To 15', Add	2.30	
For Elevated Installation >15' To 20', Add	4.60	
For Elevated Installation >20' To 25', Add	5.75	
For Elevated Installation >25' To 30', Add	8.04	
For Elevated Installation >30' To 35', Add	9.19	
For Elevated Installation >35' To 40', Add	11.49	
For Elevated Installation >40', Add	12.64	
26 05 33 13-0526 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts	43.37	12.84
For Work In Restricted Working Space, Add	7.70	
For Elevated Installation >10' To 15', Add	2.57	
For Elevated Installation >15' To 20', Add	5.13	
For Elevated Installation >20' To 25', Add	6.42	
For Elevated Installation >25' To 30', Add	8.98	
For Elevated Installation >30' To 35', Add	10.27	
For Elevated Installation >35' To 40', Add	12.84	
For Elevated Installation >40', Add	14.12	
26 05 33 13-0527 Rigid Galvanized Steel (RGS) Insulated Ground Bushing <small>(26 05 33 13-0059)</small>		
26 05 33 13-0528 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	10.74	4.06
For Work In Restricted Working Space, Add	2.43	
For Elevated Installation >10' To 15', Add	0.81	
For Elevated Installation >15' To 20', Add	1.62	
For Elevated Installation >20' To 25', Add	2.03	
For Elevated Installation >25' To 30', Add	2.84	
For Elevated Installation >30' To 35', Add	3.24	
For Elevated Installation >35' To 40', Add	4.06	
For Elevated Installation >40', Add	4.46	
26 05 33 13-0529 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	13.66	5.40
For Work In Restricted Working Space, Add	3.24	
For Elevated Installation >10' To 15', Add	1.08	
For Elevated Installation >15' To 20', Add	2.16	
For Elevated Installation >20' To 25', Add	2.70	
For Elevated Installation >25' To 30', Add	3.78	
For Elevated Installation >30' To 35', Add	4.32	
For Elevated Installation >35' To 40', Add	5.41	
For Elevated Installation >40', Add	5.95	
26 05 33 13-0530 EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	17.36	6.75
For Work In Restricted Working Space, Add	4.06	
For Elevated Installation >10' To 15', Add	1.35	
For Elevated Installation >15' To 20', Add	2.70	
For Elevated Installation >20' To 25', Add	3.38	
For Elevated Installation >25' To 30', Add	4.73	
For Elevated Installation >30' To 35', Add	5.41	
For Elevated Installation >35' To 40', Add	6.76	
For Elevated Installation >40', Add	7.44	
26 05 33 13-0531 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	25.91	10.81
For Work In Restricted Working Space, Add	6.49	
For Elevated Installation >10' To 15', Add	2.16	
For Elevated Installation >15' To 20', Add	4.32	
For Elevated Installation >20' To 25', Add	5.41	
For Elevated Installation >25' To 30', Add	7.57	
For Elevated Installation >30' To 35', Add	8.65	
For Elevated Installation >35' To 40', Add	10.81	
For Elevated Installation >40', Add	11.89	
26 05 33 13-0532 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	29.17	12.17
For Work In Restricted Working Space, Add	7.30	
For Elevated Installation >10' To 15', Add	2.43	
For Elevated Installation >15' To 20', Add	4.86	
For Elevated Installation >20' To 25', Add	6.08	
For Elevated Installation >25' To 30', Add	8.51	
For Elevated Installation >30' To 35', Add	9.73	
For Elevated Installation >35' To 40', Add	12.16	
For Elevated Installation >40', Add	13.38	
26 05 33 13-0533 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	32.98	13.52
For Work In Restricted Working Space, Add	8.11	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.41	
For Elevated Installation >20' To 25', Add	6.76	
For Elevated Installation >25' To 30', Add	9.46	
For Elevated Installation >30' To 35', Add	10.81	
For Elevated Installation >35' To 40', Add	13.52	
For Elevated Installation >40', Add	14.87	
26 05 33 13-0534 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	43.94	16.21
For Work In Restricted Working Space, Add	9.73	
For Elevated Installation >10' To 15', Add	3.24	
For Elevated Installation >15' To 20', Add	6.49	
For Elevated Installation >20' To 25', Add	8.11	
For Elevated Installation >25' To 30', Add	11.35	
For Elevated Installation >30' To 35', Add	12.98	
For Elevated Installation >35' To 40', Add	16.22	
For Elevated Installation >40', Add	17.84	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0535	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	53.71	20.27
			<i>For Work In Restricted Working Space, Add</i>	12.16	
			<i>For Elevated Installation >10' To 15', Add</i>	4.05	
			<i>For Elevated Installation >15' To 20', Add</i>	8.11	
			<i>For Elevated Installation >20' To 25', Add</i>	10.14	
			<i>For Elevated Installation >25' To 30', Add</i>	14.19	
			<i>For Elevated Installation >30' To 35', Add</i>	16.22	
			<i>For Elevated Installation >35' To 40', Add</i>	20.27	
			<i>For Elevated Installation >40', Add</i>	22.30	
26 05 33	13-0536	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	67.65	27.03
			<i>For Work In Restricted Working Space, Add</i>	16.22	
			<i>For Elevated Installation >10' To 15', Add</i>	5.41	
			<i>For Elevated Installation >15' To 20', Add</i>	10.81	
			<i>For Elevated Installation >20' To 25', Add</i>	13.51	
			<i>For Elevated Installation >25' To 30', Add</i>	18.92	
			<i>For Elevated Installation >30' To 35', Add</i>	21.62	
			<i>For Elevated Installation >35' To 40', Add</i>	27.03	
			<i>For Elevated Installation >40', Add</i>	29.73	
26 05 33	13-0537	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	82.95	33.78
			<i>For Work In Restricted Working Space, Add</i>	20.27	
			<i>For Elevated Installation >10' To 15', Add</i>	6.76	
			<i>For Elevated Installation >15' To 20', Add</i>	13.51	
			<i>For Elevated Installation >20' To 25', Add</i>	16.89	
			<i>For Elevated Installation >25' To 30', Add</i>	23.65	
			<i>For Elevated Installation >30' To 35', Add</i>	27.03	
			<i>For Elevated Installation >35' To 40', Add</i>	33.79	
			<i>For Elevated Installation >40', Add</i>	37.16	
26 05 33	13-0538		Rigid Galvanized Steel (RGS) Threadless Compression Connectors <small>(26 05 33 13-0059)</small>		
26 05 33	13-0539	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	28.16	12.17
			<i>For Work In Restricted Working Space, Add</i>	7.30	
			<i>For Elevated Installation >10' To 15', Add</i>	2.43	
			<i>For Elevated Installation >15' To 20', Add</i>	4.86	
			<i>For Elevated Installation >20' To 25', Add</i>	6.08	
			<i>For Elevated Installation >25' To 30', Add</i>	8.51	
			<i>For Elevated Installation >30' To 35', Add</i>	9.73	
			<i>For Elevated Installation >35' To 40', Add</i>	12.16	
			<i>For Elevated Installation >40', Add</i>	13.38	
26 05 33	13-0540	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	33.21	13.52
			<i>For Work In Restricted Working Space, Add</i>	8.11	
			<i>For Elevated Installation >10' To 15', Add</i>	2.70	
			<i>For Elevated Installation >15' To 20', Add</i>	5.41	
			<i>For Elevated Installation >20' To 25', Add</i>	6.76	
			<i>For Elevated Installation >25' To 30', Add</i>	9.46	
			<i>For Elevated Installation >30' To 35', Add</i>	10.81	
			<i>For Elevated Installation >35' To 40', Add</i>	13.52	
			<i>For Elevated Installation >40', Add</i>	14.87	
26 05 33	13-0541	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	43.43	16.90
			<i>For Work In Restricted Working Space, Add</i>	10.13	
			<i>For Elevated Installation >10' To 15', Add</i>	3.38	
			<i>For Elevated Installation >15' To 20', Add</i>	6.76	
			<i>For Elevated Installation >20' To 25', Add</i>	8.45	
			<i>For Elevated Installation >25' To 30', Add</i>	11.82	
			<i>For Elevated Installation >30' To 35', Add</i>	13.51	
			<i>For Elevated Installation >35' To 40', Add</i>	16.89	
			<i>For Elevated Installation >40', Add</i>	18.58	
26 05 33	13-0542	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	58.70	20.27
			<i>For Work In Restricted Working Space, Add</i>	12.16	
			<i>For Elevated Installation >10' To 15', Add</i>	4.05	
			<i>For Elevated Installation >15' To 20', Add</i>	8.11	
			<i>For Elevated Installation >20' To 25', Add</i>	10.14	
			<i>For Elevated Installation >25' To 30', Add</i>	14.19	
			<i>For Elevated Installation >30' To 35', Add</i>	16.22	
			<i>For Elevated Installation >35' To 40', Add</i>	20.27	
			<i>For Elevated Installation >40', Add</i>	22.30	
26 05 33	13-0543	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	79.21	27.03
			<i>For Work In Restricted Working Space, Add</i>	16.22	
			<i>For Elevated Installation >10' To 15', Add</i>	5.41	
			<i>For Elevated Installation >15' To 20', Add</i>	10.81	
			<i>For Elevated Installation >20' To 25', Add</i>	13.51	
			<i>For Elevated Installation >25' To 30', Add</i>	18.92	
			<i>For Elevated Installation >30' To 35', Add</i>	21.62	
			<i>For Elevated Installation >35' To 40', Add</i>	27.03	
			<i>For Elevated Installation >40', Add</i>	29.73	
26 05 33	13-0544	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	115.84	33.78
			<i>For Work In Restricted Working Space, Add</i>	20.27	
			<i>For Elevated Installation >10' To 15', Add</i>	6.76	
			<i>For Elevated Installation >15' To 20', Add</i>	13.51	
			<i>For Elevated Installation >20' To 25', Add</i>	16.89	
			<i>For Elevated Installation >25' To 30', Add</i>	23.65	
			<i>For Elevated Installation >30' To 35', Add</i>	27.03	
			<i>For Elevated Installation >35' To 40', Add</i>	33.79	
			<i>For Elevated Installation >40', Add</i>	37.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0545 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	192.43	40.54
<i>For Work In Restricted Working Space, Add</i>	24.33	
<i>For Elevated Installation >10' To 15', Add</i>	8.11	
<i>For Elevated Installation >15' To 20', Add</i>	16.22	
<i>For Elevated Installation >20' To 25', Add</i>	20.27	
<i>For Elevated Installation >25' To 30', Add</i>	28.38	
<i>For Elevated Installation >30' To 35', Add</i>	32.44	
<i>For Elevated Installation >35' To 40', Add</i>	40.55	
<i>For Elevated Installation >40', Add</i>	44.60	
26 05 33 13-0546 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	242.22	47.30
<i>For Work In Restricted Working Space, Add</i>	28.38	
<i>For Elevated Installation >10' To 15', Add</i>	9.46	
<i>For Elevated Installation >15' To 20', Add</i>	18.92	
<i>For Elevated Installation >20' To 25', Add</i>	23.65	
<i>For Elevated Installation >25' To 30', Add</i>	33.11	
<i>For Elevated Installation >30' To 35', Add</i>	37.84	
<i>For Elevated Installation >35' To 40', Add</i>	47.30	
<i>For Elevated Installation >40', Add</i>	52.03	
26 05 33 13-0547 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	307.77	57.44
<i>For Work In Restricted Working Space, Add</i>	34.46	
<i>For Elevated Installation >10' To 15', Add</i>	11.49	
<i>For Elevated Installation >15' To 20', Add</i>	22.97	
<i>For Elevated Installation >20' To 25', Add</i>	28.72	
<i>For Elevated Installation >25' To 30', Add</i>	40.20	
<i>For Elevated Installation >30' To 35', Add</i>	45.95	
<i>For Elevated Installation >35' To 40', Add</i>	57.44	
<i>For Elevated Installation >40', Add</i>	63.18	
26 05 33 13-0548 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	371.30	67.57
<i>For Work In Restricted Working Space, Add</i>	40.54	
<i>For Elevated Installation >10' To 15', Add</i>	13.51	
<i>For Elevated Installation >15' To 20', Add</i>	27.03	
<i>For Elevated Installation >20' To 25', Add</i>	33.79	
<i>For Elevated Installation >25' To 30', Add</i>	47.30	
<i>For Elevated Installation >30' To 35', Add</i>	54.06	
<i>For Elevated Installation >35' To 40', Add</i>	67.57	
<i>For Elevated Installation >40', Add</i>	74.33	
26 05 33 13-0549 Rigid Galvanized Steel (RGS) Compression Coupling <small>(26 05 33 13-0059)</small>		
26 05 33 13-0550 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling	39.97	16.90
<i>For Work In Restricted Working Space, Add</i>	10.13	
<i>For Elevated Installation >10' To 15', Add</i>	3.38	
<i>For Elevated Installation >15' To 20', Add</i>	6.76	
<i>For Elevated Installation >20' To 25', Add</i>	8.45	
<i>For Elevated Installation >25' To 30', Add</i>	11.82	
<i>For Elevated Installation >30' To 35', Add</i>	13.51	
<i>For Elevated Installation >35' To 40', Add</i>	16.89	
<i>For Elevated Installation >40', Add</i>	18.58	
26 05 33 13-0551 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling	50.47	20.27
<i>For Work In Restricted Working Space, Add</i>	12.16	
<i>For Elevated Installation >10' To 15', Add</i>	4.05	
<i>For Elevated Installation >15' To 20', Add</i>	8.11	
<i>For Elevated Installation >20' To 25', Add</i>	10.14	
<i>For Elevated Installation >25' To 30', Add</i>	14.19	
<i>For Elevated Installation >30' To 35', Add</i>	16.22	
<i>For Elevated Installation >35' To 40', Add</i>	20.27	
<i>For Elevated Installation >40', Add</i>	22.30	
26 05 33 13-0552 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling	71.37	27.03
<i>For Work In Restricted Working Space, Add</i>	16.22	
<i>For Elevated Installation >10' To 15', Add</i>	5.41	
<i>For Elevated Installation >15' To 20', Add</i>	10.81	
<i>For Elevated Installation >20' To 25', Add</i>	13.51	
<i>For Elevated Installation >25' To 30', Add</i>	18.92	
<i>For Elevated Installation >30' To 35', Add</i>	21.62	
<i>For Elevated Installation >35' To 40', Add</i>	27.03	
<i>For Elevated Installation >40', Add</i>	29.73	
26 05 33 13-0553 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	93.21	33.78
<i>For Work In Restricted Working Space, Add</i>	20.27	
<i>For Elevated Installation >10' To 15', Add</i>	6.76	
<i>For Elevated Installation >15' To 20', Add</i>	13.51	
<i>For Elevated Installation >20' To 25', Add</i>	16.89	
<i>For Elevated Installation >25' To 30', Add</i>	23.65	
<i>For Elevated Installation >30' To 35', Add</i>	27.03	
<i>For Elevated Installation >35' To 40', Add</i>	33.79	
<i>For Elevated Installation >40', Add</i>	37.16	
26 05 33 13-0554 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	114.47	40.54
<i>For Work In Restricted Working Space, Add</i>	24.33	
<i>For Elevated Installation >10' To 15', Add</i>	8.11	
<i>For Elevated Installation >15' To 20', Add</i>	16.22	
<i>For Elevated Installation >20' To 25', Add</i>	20.27	
<i>For Elevated Installation >25' To 30', Add</i>	28.38	
<i>For Elevated Installation >30' To 35', Add</i>	32.44	
<i>For Elevated Installation >35' To 40', Add</i>	40.55	
<i>For Elevated Installation >40', Add</i>	44.60	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0555 EA 2" Rigid Galvanized Steel (RGS) Compression Coupling	167.59	47.30
For Work In Restricted Working Space, Add	28.38	
For Elevated Installation >10' To 15', Add	9.46	
For Elevated Installation >15' To 20', Add	18.92	
For Elevated Installation >20' To 25', Add	23.65	
For Elevated Installation >25' To 30', Add	33.11	
For Elevated Installation >30' To 35', Add	37.84	
For Elevated Installation >35' To 40', Add	47.30	
For Elevated Installation >40', Add	52.03	
26 05 33 13-0556 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	261.87	54.05
For Work In Restricted Working Space, Add	32.43	
For Elevated Installation >10' To 15', Add	10.81	
For Elevated Installation >15' To 20', Add	21.62	
For Elevated Installation >20' To 25', Add	27.03	
For Elevated Installation >25' To 30', Add	37.84	
For Elevated Installation >30' To 35', Add	43.24	
For Elevated Installation >35' To 40', Add	54.06	
For Elevated Installation >40', Add	59.46	
26 05 33 13-0557 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling	296.95	46.63
For Work In Restricted Working Space, Add	27.97	
For Elevated Installation >10' To 15', Add	9.32	
For Elevated Installation >15' To 20', Add	18.65	
For Elevated Installation >20' To 25', Add	23.31	
For Elevated Installation >25' To 30', Add	32.63	
For Elevated Installation >30' To 35', Add	37.30	
For Elevated Installation >35' To 40', Add	46.62	
For Elevated Installation >40', Add	51.28	
26 05 33 13-0558 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	410.06	70.95
For Work In Restricted Working Space, Add	42.57	
For Elevated Installation >10' To 15', Add	14.19	
For Elevated Installation >15' To 20', Add	28.38	
For Elevated Installation >20' To 25', Add	35.48	
For Elevated Installation >25' To 30', Add	49.67	
For Elevated Installation >30' To 35', Add	56.76	
For Elevated Installation >35' To 40', Add	70.95	
For Elevated Installation >40', Add	78.05	
26 05 33 13-0559 EA 4" Rigid Galvanized Steel (RGS) Compression Coupling	505.30	81.09
For Work In Restricted Working Space, Add	48.65	
For Elevated Installation >10' To 15', Add	16.22	
For Elevated Installation >15' To 20', Add	32.43	
For Elevated Installation >20' To 25', Add	40.54	
For Elevated Installation >25' To 30', Add	56.76	
For Elevated Installation >30' To 35', Add	64.87	
For Elevated Installation >35' To 40', Add	81.09	
For Elevated Installation >40', Add	89.19	
26 05 33 13-0560 Zinc Plated Steel Snap-in Knock Out Seal <small>(26 05 33 13-0559)</small>		
26 05 33 13-0561 EA 1/2" Zinc Plated Steel Snap-in Knock Out Seal	6.97	3.38
For Work In Restricted Working Space, Add	2.03	
For Elevated Installation >10' To 15', Add	0.68	
For Elevated Installation >15' To 20', Add	1.35	
For Elevated Installation >20' To 25', Add	1.69	
For Elevated Installation >25' To 30', Add	2.36	
For Elevated Installation >30' To 35', Add	2.70	
For Elevated Installation >35' To 40', Add	3.38	
For Elevated Installation >40', Add	3.71	
26 05 33 13-0562 EA 3/4" Zinc Plated Steel Snap-in Knock Out Seal	8.40	4.06
For Work In Restricted Working Space, Add	2.43	
For Elevated Installation >10' To 15', Add	0.81	
For Elevated Installation >15' To 20', Add	1.62	
For Elevated Installation >20' To 25', Add	2.03	
For Elevated Installation >25' To 30', Add	2.84	
For Elevated Installation >30' To 35', Add	3.24	
For Elevated Installation >35' To 40', Add	4.06	
For Elevated Installation >40', Add	4.46	
26 05 33 13-0563 EA 1" Zinc Plated Steel Snap-in Knock Out Seal	9.92	4.73
For Work In Restricted Working Space, Add	2.84	
For Elevated Installation >10' To 15', Add	0.95	
For Elevated Installation >15' To 20', Add	1.89	
For Elevated Installation >20' To 25', Add	2.37	
For Elevated Installation >25' To 30', Add	3.31	
For Elevated Installation >30' To 35', Add	3.78	
For Elevated Installation >35' To 40', Add	4.73	
For Elevated Installation >40', Add	5.20	
26 05 33 13-0564 EA 1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	12.78	6.08
For Work In Restricted Working Space, Add	3.65	
For Elevated Installation >10' To 15', Add	1.22	
For Elevated Installation >15' To 20', Add	2.43	
For Elevated Installation >20' To 25', Add	3.04	
For Elevated Installation >25' To 30', Add	4.26	
For Elevated Installation >30' To 35', Add	4.87	
For Elevated Installation >35' To 40', Add	6.09	
For Elevated Installation >40', Add	6.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0565 EA 1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	14.37	6.75
For Work In Restricted Working Space, Add	4.06	
For Elevated Installation >10' To 15', Add	1.35	
For Elevated Installation >15' To 20', Add	2.70	
For Elevated Installation >20' To 25', Add	3.38	
For Elevated Installation >25' To 30', Add	4.73	
For Elevated Installation >30' To 35', Add	5.41	
For Elevated Installation >35' To 40', Add	6.76	
For Elevated Installation >40', Add	7.44	
26 05 33 13-0566 EA 2" Zinc Plated Steel Snap-in Knock Out Seal	17.40	8.11
For Work In Restricted Working Space, Add	4.86	
For Elevated Installation >10' To 15', Add	1.62	
For Elevated Installation >15' To 20', Add	3.24	
For Elevated Installation >20' To 25', Add	4.05	
For Elevated Installation >25' To 30', Add	5.67	
For Elevated Installation >30' To 35', Add	6.48	
For Elevated Installation >35' To 40', Add	8.11	
For Elevated Installation >40', Add	8.92	
26 05 33 13-0567 Zinc Plated Steel 3-Piece Knock Out Seal <small>(26 05 33 13-0059)</small>		
26 05 33 13-0568 EA 1/2" Zinc Plated Steel 3-Piece Knock Out Seal	8.08	3.38
For Work In Restricted Working Space, Add	2.03	
For Elevated Installation >10' To 15', Add	0.68	
For Elevated Installation >15' To 20', Add	1.35	
For Elevated Installation >20' To 25', Add	1.69	
For Elevated Installation >25' To 30', Add	2.36	
For Elevated Installation >30' To 35', Add	2.70	
For Elevated Installation >35' To 40', Add	3.38	
For Elevated Installation >40', Add	3.71	
26 05 33 13-0569 EA 3/4" Zinc Plated Steel 3-Piece Knock Out Seal	9.66	4.06
For Work In Restricted Working Space, Add	2.43	
For Elevated Installation >10' To 15', Add	0.81	
For Elevated Installation >15' To 20', Add	1.62	
For Elevated Installation >20' To 25', Add	2.03	
For Elevated Installation >25' To 30', Add	2.84	
For Elevated Installation >30' To 35', Add	3.24	
For Elevated Installation >35' To 40', Add	4.06	
For Elevated Installation >40', Add	4.46	
26 05 33 13-0570 EA 1" Zinc Plated Steel 3-Piece Knock Out Seal	11.60	4.73
For Work In Restricted Working Space, Add	2.84	
For Elevated Installation >10' To 15', Add	0.95	
For Elevated Installation >15' To 20', Add	1.89	
For Elevated Installation >20' To 25', Add	2.37	
For Elevated Installation >25' To 30', Add	3.31	
For Elevated Installation >30' To 35', Add	3.78	
For Elevated Installation >35' To 40', Add	4.73	
For Elevated Installation >40', Add	5.20	
26 05 33 13-0571 EA 1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	14.92	6.08
For Work In Restricted Working Space, Add	3.65	
For Elevated Installation >10' To 15', Add	1.22	
For Elevated Installation >15' To 20', Add	2.43	
For Elevated Installation >20' To 25', Add	3.04	
For Elevated Installation >25' To 30', Add	4.26	
For Elevated Installation >30' To 35', Add	4.87	
For Elevated Installation >35' To 40', Add	6.09	
For Elevated Installation >40', Add	6.69	
26 05 33 13-0572 EA 1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	17.92	6.75
For Work In Restricted Working Space, Add	4.06	
For Elevated Installation >10' To 15', Add	1.35	
For Elevated Installation >15' To 20', Add	2.70	
For Elevated Installation >20' To 25', Add	3.38	
For Elevated Installation >25' To 30', Add	4.73	
For Elevated Installation >30' To 35', Add	5.41	
For Elevated Installation >35' To 40', Add	6.76	
For Elevated Installation >40', Add	7.44	
26 05 33 13-0573 EA 2" Zinc Plated Steel 3-Piece Knock Out Seal	21.62	8.11
For Work In Restricted Working Space, Add	4.86	
For Elevated Installation >10' To 15', Add	1.62	
For Elevated Installation >15' To 20', Add	3.24	
For Elevated Installation >20' To 25', Add	4.05	
For Elevated Installation >25' To 30', Add	5.67	
For Elevated Installation >30' To 35', Add	6.48	
For Elevated Installation >35' To 40', Add	8.11	
For Elevated Installation >40', Add	8.92	
26 05 33 13-0574 EA 2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	26.64	10.13
For Work In Restricted Working Space, Add	6.08	
For Elevated Installation >10' To 15', Add	2.03	
For Elevated Installation >15' To 20', Add	4.05	
For Elevated Installation >20' To 25', Add	5.07	
For Elevated Installation >25' To 30', Add	7.09	
For Elevated Installation >30' To 35', Add	8.11	
For Elevated Installation >35' To 40', Add	10.14	
For Elevated Installation >40', Add	11.15	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0575	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal.....	30.93	11.48
			<i>For Work In Restricted Working Space, Add</i>	6.89	
			<i>For Elevated Installation >10' To 15', Add</i>	2.30	
			<i>For Elevated Installation >15' To 20', Add</i>	4.60	
			<i>For Elevated Installation >20' To 25', Add</i>	5.75	
			<i>For Elevated Installation >25' To 30', Add</i>	8.04	
			<i>For Elevated Installation >30' To 35', Add</i>	9.19	
			<i>For Elevated Installation >35' To 40', Add</i>	11.49	
			<i>For Elevated Installation >40', Add</i>	12.64	
26 05 33	13-0576	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	36.87	12.84
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Elevated Installation >10' To 15', Add</i>	2.57	
			<i>For Elevated Installation >15' To 20', Add</i>	5.13	
			<i>For Elevated Installation >20' To 25', Add</i>	6.42	
			<i>For Elevated Installation >25' To 30', Add</i>	8.98	
			<i>For Elevated Installation >30' To 35', Add</i>	10.27	
			<i>For Elevated Installation >35' To 40', Add</i>	12.84	
			<i>For Elevated Installation >40', Add</i>	14.12	
26 05 33	13-0577	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal.....	42.75	14.19
			<i>For Work In Restricted Working Space, Add</i>	8.51	
			<i>For Elevated Installation >10' To 15', Add</i>	2.84	
			<i>For Elevated Installation >15' To 20', Add</i>	5.68	
			<i>For Elevated Installation >20' To 25', Add</i>	7.10	
			<i>For Elevated Installation >25' To 30', Add</i>	9.93	
			<i>For Elevated Installation >30' To 35', Add</i>	11.35	
			<i>For Elevated Installation >35' To 40', Add</i>	14.19	
			<i>For Elevated Installation >40', Add</i>	15.61	
26 05 33	13-0578		Rigid Galvanized Steel (RGS) Chase Nipples <small>(26 05 33 13-0599)</small>		
26 05 33	13-0579	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	16.55	8.11
			<i>For Work In Restricted Working Space, Add</i>	4.86	
			<i>For Elevated Installation >10' To 15', Add</i>	1.62	
			<i>For Elevated Installation >15' To 20', Add</i>	3.24	
			<i>For Elevated Installation >20' To 25', Add</i>	4.05	
			<i>For Elevated Installation >25' To 30', Add</i>	5.67	
			<i>For Elevated Installation >30' To 35', Add</i>	6.48	
			<i>For Elevated Installation >35' To 40', Add</i>	8.11	
			<i>For Elevated Installation >40', Add</i>	8.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.86	
26 05 33	13-0580	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	19.49	9.46
			<i>For Work In Restricted Working Space, Add</i>	5.68	
			<i>For Elevated Installation >10' To 15', Add</i>	1.89	
			<i>For Elevated Installation >15' To 20', Add</i>	3.78	
			<i>For Elevated Installation >20' To 25', Add</i>	4.73	
			<i>For Elevated Installation >25' To 30', Add</i>	6.62	
			<i>For Elevated Installation >30' To 35', Add</i>	7.57	
			<i>For Elevated Installation >35' To 40', Add</i>	9.46	
			<i>For Elevated Installation >40', Add</i>	10.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.68	
26 05 33	13-0581	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple.....	24.23	11.48
			<i>For Work In Restricted Working Space, Add</i>	6.89	
			<i>For Elevated Installation >10' To 15', Add</i>	2.30	
			<i>For Elevated Installation >15' To 20', Add</i>	4.60	
			<i>For Elevated Installation >20' To 25', Add</i>	5.75	
			<i>For Elevated Installation >25' To 30', Add</i>	8.04	
			<i>For Elevated Installation >30' To 35', Add</i>	9.19	
			<i>For Elevated Installation >35' To 40', Add</i>	11.49	
			<i>For Elevated Installation >40', Add</i>	12.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 05 33	13-0582	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	29.19	13.52
			<i>For Work In Restricted Working Space, Add</i>	8.11	
			<i>For Elevated Installation >10' To 15', Add</i>	2.70	
			<i>For Elevated Installation >15' To 20', Add</i>	5.41	
			<i>For Elevated Installation >20' To 25', Add</i>	6.76	
			<i>For Elevated Installation >25' To 30', Add</i>	9.46	
			<i>For Elevated Installation >30' To 35', Add</i>	10.81	
			<i>For Elevated Installation >35' To 40', Add</i>	13.52	
			<i>For Elevated Installation >40', Add</i>	14.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.11	
26 05 33	13-0583	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	36.56	16.90
			<i>For Work In Restricted Working Space, Add</i>	10.13	
			<i>For Elevated Installation >10' To 15', Add</i>	3.38	
			<i>For Elevated Installation >15' To 20', Add</i>	6.76	
			<i>For Elevated Installation >20' To 25', Add</i>	8.45	
			<i>For Elevated Installation >25' To 30', Add</i>	11.82	
			<i>For Elevated Installation >30' To 35', Add</i>	13.51	
			<i>For Elevated Installation >35' To 40', Add</i>	16.89	
			<i>For Elevated Installation >40', Add</i>	18.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0584 EA 2" Rigid Galvanized Steel (RGS) Chase Nipple.....	45.05	20.27
For Work In Restricted Working Space, Add	12.16	
For Elevated Installation >10' To 15', Add	4.05	
For Elevated Installation >15' To 20', Add	8.11	
For Elevated Installation >20' To 25', Add	10.14	
For Elevated Installation >25' To 30', Add	14.19	
For Elevated Installation >30' To 35', Add	16.22	
For Elevated Installation >35' To 40', Add	20.27	
For Elevated Installation >40', Add	22.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.16	
26 05 33 13-0585 EA 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	55.88	23.65
For Work In Restricted Working Space, Add	14.19	
For Elevated Installation >10' To 15', Add	4.73	
For Elevated Installation >15' To 20', Add	9.46	
For Elevated Installation >20' To 25', Add	11.83	
For Elevated Installation >25' To 30', Add	16.56	
For Elevated Installation >30' To 35', Add	18.92	
For Elevated Installation >35' To 40', Add	23.65	
For Elevated Installation >40', Add	26.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.19	
26 05 33 13-0586 EA 3" Rigid Galvanized Steel (RGS) Chase Nipple.....	62.85	27.03
For Work In Restricted Working Space, Add	16.22	
For Elevated Installation >10' To 15', Add	5.41	
For Elevated Installation >15' To 20', Add	10.81	
For Elevated Installation >20' To 25', Add	13.51	
For Elevated Installation >25' To 30', Add	18.92	
For Elevated Installation >30' To 35', Add	21.62	
For Elevated Installation >35' To 40', Add	27.03	
For Elevated Installation >40', Add	29.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.22	
26 05 33 13-0587 EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	76.38	30.40
For Work In Restricted Working Space, Add	18.25	
For Elevated Installation >10' To 15', Add	6.08	
For Elevated Installation >15' To 20', Add	12.16	
For Elevated Installation >20' To 25', Add	15.21	
For Elevated Installation >25' To 30', Add	21.29	
For Elevated Installation >30' To 35', Add	24.33	
For Elevated Installation >35' To 40', Add	30.41	
For Elevated Installation >40', Add	33.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.25	
26 05 33 13-0588 EA 4" Rigid Galvanized Steel (RGS) Chase Nipple.....	100.17	33.78
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 33 13-0589 Rigid Galvanized Steel (RGS) Pulling Elbow <small>(26 05 33 13-0059)</small>		
26 05 33 13-0590 EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	30.23	12.17
For Work In Restricted Working Space, Add	7.30	
For Elevated Installation >10' To 15', Add	2.43	
For Elevated Installation >15' To 20', Add	4.86	
For Elevated Installation >20' To 25', Add	6.08	
For Elevated Installation >25' To 30', Add	8.51	
For Elevated Installation >30' To 35', Add	9.73	
For Elevated Installation >35' To 40', Add	12.16	
For Elevated Installation >40', Add	13.38	
26 05 33 13-0591 EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	35.17	14.19
For Work In Restricted Working Space, Add	8.51	
For Elevated Installation >10' To 15', Add	2.84	
For Elevated Installation >15' To 20', Add	5.68	
For Elevated Installation >20' To 25', Add	7.10	
For Elevated Installation >25' To 30', Add	9.93	
For Elevated Installation >30' To 35', Add	11.35	
For Elevated Installation >35' To 40', Add	14.19	
For Elevated Installation >40', Add	15.61	
26 05 33 13-0592 EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	43.71	16.21
For Work In Restricted Working Space, Add	9.73	
For Elevated Installation >10' To 15', Add	3.24	
For Elevated Installation >15' To 20', Add	6.49	
For Elevated Installation >20' To 25', Add	8.11	
For Elevated Installation >25' To 30', Add	11.35	
For Elevated Installation >30' To 35', Add	12.98	
For Elevated Installation >35' To 40', Add	16.22	
For Elevated Installation >40', Add	17.84	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0593	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	55.72	20.27
			<i>For Work In Restricted Working Space, Add</i>	12.16	
			<i>For Elevated Installation >10' To 15', Add</i>	4.05	
			<i>For Elevated Installation >15' To 20', Add</i>	8.11	
			<i>For Elevated Installation >20' To 25', Add</i>	10.14	
			<i>For Elevated Installation >25' To 30', Add</i>	14.19	
			<i>For Elevated Installation >30' To 35', Add</i>	16.22	
			<i>For Elevated Installation >35' To 40', Add</i>	20.27	
			<i>For Elevated Installation >40', Add</i>	22.30	
26 05 33	13-0594	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	72.74	24.32
			<i>For Work In Restricted Working Space, Add</i>	14.60	
			<i>For Elevated Installation >10' To 15', Add</i>	4.87	
			<i>For Elevated Installation >15' To 20', Add</i>	9.73	
			<i>For Elevated Installation >20' To 25', Add</i>	12.16	
			<i>For Elevated Installation >25' To 30', Add</i>	17.03	
			<i>For Elevated Installation >30' To 35', Add</i>	19.46	
			<i>For Elevated Installation >35' To 40', Add</i>	24.33	
			<i>For Elevated Installation >40', Add</i>	26.76	
26 05 33	13-0595	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	94.89	28.38
			<i>For Work In Restricted Working Space, Add</i>	17.03	
			<i>For Elevated Installation >10' To 15', Add</i>	5.68	
			<i>For Elevated Installation >15' To 20', Add</i>	11.35	
			<i>For Elevated Installation >20' To 25', Add</i>	14.19	
			<i>For Elevated Installation >25' To 30', Add</i>	19.87	
			<i>For Elevated Installation >30' To 35', Add</i>	22.70	
			<i>For Elevated Installation >35' To 40', Add</i>	28.38	
			<i>For Elevated Installation >40', Add</i>	31.22	
26 05 33	13-0596	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	127.82	32.44
			<i>For Work In Restricted Working Space, Add</i>	19.46	
			<i>For Elevated Installation >10' To 15', Add</i>	6.49	
			<i>For Elevated Installation >15' To 20', Add</i>	12.97	
			<i>For Elevated Installation >20' To 25', Add</i>	16.22	
			<i>For Elevated Installation >25' To 30', Add</i>	22.70	
			<i>For Elevated Installation >30' To 35', Add</i>	25.95	
			<i>For Elevated Installation >35' To 40', Add</i>	32.44	
			<i>For Elevated Installation >40', Add</i>	35.68	
26 05 33	13-0597	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	214.45	40.54
			<i>For Work In Restricted Working Space, Add</i>	24.33	
			<i>For Elevated Installation >10' To 15', Add</i>	8.11	
			<i>For Elevated Installation >15' To 20', Add</i>	16.22	
			<i>For Elevated Installation >20' To 25', Add</i>	20.27	
			<i>For Elevated Installation >25' To 30', Add</i>	28.38	
			<i>For Elevated Installation >30' To 35', Add</i>	32.44	
			<i>For Elevated Installation >35' To 40', Add</i>	40.55	
			<i>For Elevated Installation >40', Add</i>	44.60	
26 05 33	13-0598		Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0058)</small>		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33	13-0599		Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0598)</small>		
			Note: Includes field bending conduit up to and including 1".		
26 05 33	13-0600	LF	1/2" Electrical Metallic Tubing (EMT) Conduit.....	6.99	2.44
			<i>For >250 To 500, Deduct</i>	-0.05	
			<i>For >500 To 1,000, Deduct</i>	-0.37	
			<i>For >1,000, Deduct</i>	-0.55	
			<i>For Installation In Metal Stud Wall, Add</i>	0.61	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.52	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	1.82	
			<i>For Elevated Installation >10' To 15', Add</i>	0.61	
			<i>For Elevated Installation >15' To 20', Add</i>	1.22	
			<i>For Elevated Installation >20' To 25', Add</i>	1.52	
			<i>For Elevated Installation >25' To 30', Add</i>	2.13	
			<i>For Elevated Installation >30' To 35', Add</i>	2.43	
			<i>For Elevated Installation >35' To 40', Add</i>	3.04	
			<i>For Elevated Installation >40', Add</i>	3.34	
			<i>For Factory Applied Color Coating, Add</i>	0.27	
26 05 33	13-0601	LF	3/4" Electrical Metallic Tubing (EMT) Conduit.....	8.17	2.71
			<i>For >250 To 500, Deduct</i>	-0.07	
			<i>For >500 To 1,000, Deduct</i>	-0.44	
			<i>For >1,000, Deduct</i>	-0.65	
			<i>For Installation In Metal Stud Wall, Add</i>	0.68	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.69	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.01	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
			<i>For Elevated Installation >10' To 15', Add</i>	0.68	
			<i>For Elevated Installation >15' To 20', Add</i>	1.35	
			<i>For Elevated Installation >20' To 25', Add</i>	1.69	
			<i>For Elevated Installation >25' To 30', Add</i>	2.36	
			<i>For Elevated Installation >30' To 35', Add</i>	2.70	
			<i>For Elevated Installation >35' To 40', Add</i>	3.38	
			<i>For Elevated Installation >40', Add</i>	3.71	
			<i>For Factory Applied Color Coating, Add</i>	0.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0602 LF 1" Electrical Metallic Tubing (EMT) Conduit.....	9.80	2.98
For >250 To 500, Deduct	-0.12	
For >500 To 1,000, Deduct	-0.55	
For >1,000, Deduct	-0.79	
For Installation In Metal Stud Wall, Add	0.74	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.86	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.12	
For Work In Restricted Working Space, Add	2.23	
For Elevated Installation >10' To 15', Add	0.74	
For Elevated Installation >15' To 20', Add	1.49	
For Elevated Installation >20' To 25', Add	1.86	
For Elevated Installation >25' To 30', Add	2.60	
For Elevated Installation >30' To 35', Add	2.98	
For Elevated Installation >35' To 40', Add	3.72	
For Elevated Installation >40', Add	4.09	
For Factory Applied Color Coating, Add	0.71	
26 05 33 13-0603 LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit.....	12.11	3.35
For >250 To 500, Deduct	-0.19	
For >500 To 1,000, Deduct	-0.70	
For >1,000, Deduct	-1.00	
For Installation In Metal Stud Wall, Add	0.84	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.10	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.26	
For Work In Restricted Working Space, Add	2.51	
For Elevated Installation >10' To 15', Add	0.84	
For Elevated Installation >15' To 20', Add	1.68	
For Elevated Installation >20' To 25', Add	2.10	
For Elevated Installation >25' To 30', Add	2.93	
For Elevated Installation >30' To 35', Add	3.35	
For Elevated Installation >35' To 40', Add	4.19	
For Elevated Installation >40', Add	4.61	
For Factory Applied Color Coating, Add	1.12	
26 05 33 13-0604 LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit.....	14.10	3.79
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.82	
For >1,000, Deduct	-1.17	
For Installation In Metal Stud Wall, Add	0.95	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.37	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.42	
For Work In Restricted Working Space, Add	2.84	
For Elevated Installation >10' To 15', Add	0.95	
For Elevated Installation >15' To 20', Add	1.89	
For Elevated Installation >20' To 25', Add	2.37	
For Elevated Installation >25' To 30', Add	3.31	
For Elevated Installation >30' To 35', Add	3.78	
For Elevated Installation >35' To 40', Add	4.73	
For Elevated Installation >40', Add	5.20	
For Factory Applied Color Coating, Add	1.39	
26 05 33 13-0605 LF 2" Electrical Metallic Tubing (EMT) Conduit.....	16.31	4.33
For >250 To 500, Deduct	-0.28	
For >500 To 1,000, Deduct	-0.95	
For >1,000, Deduct	-1.36	
For Installation In Metal Stud Wall, Add	1.08	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.70	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.62	
For Work In Restricted Working Space, Add	3.24	
For Elevated Installation >10' To 15', Add	1.08	
For Elevated Installation >15' To 20', Add	2.16	
For Elevated Installation >20' To 25', Add	2.70	
For Elevated Installation >25' To 30', Add	3.78	
For Elevated Installation >30' To 35', Add	4.32	
For Elevated Installation >35' To 40', Add	5.41	
For Elevated Installation >40', Add	5.95	
For Factory Applied Color Coating, Add	1.65	
26 05 33 13-0606 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit.....	20.99	5.13
For >250 To 500, Deduct	-0.41	
For >500 To 1,000, Deduct	-1.25	
For >1,000, Deduct	-1.78	
For Installation In Metal Stud Wall, Add	1.28	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.21	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.93	
For Work In Restricted Working Space, Add	3.85	
For Elevated Installation >10' To 15', Add	1.28	
For Elevated Installation >15' To 20', Add	2.57	
For Elevated Installation >20' To 25', Add	3.21	
For Elevated Installation >25' To 30', Add	4.49	
For Elevated Installation >30' To 35', Add	5.14	
For Elevated Installation >35' To 40', Add	6.42	
For Elevated Installation >40', Add	7.06	
For Factory Applied Color Coating, Add	2.45	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0607	LF	3" Electrical Metallic Tubing (EMT) Conduit.....	25.06	5.94
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-1.51	
			<i>For >1,000, Deduct</i>	-2.13	
			<i>For Installation In Metal Stud Wall, Add</i>	1.49	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.72	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.23	
			<i>For Work In Restricted Working Space, Add</i>	4.46	
			<i>For Elevated Installation >10' To 15', Add</i>	1.49	
			<i>For Elevated Installation >15' To 20', Add</i>	2.97	
			<i>For Elevated Installation >20' To 25', Add</i>	3.72	
			<i>For Elevated Installation >25' To 30', Add</i>	5.20	
			<i>For Elevated Installation >30' To 35', Add</i>	5.94	
			<i>For Elevated Installation >35' To 40', Add</i>	7.43	
			<i>For Elevated Installation >40', Add</i>	8.17	
			<i>For Factory Applied Color Coating, Add</i>	3.06	
26 05 33	13-0608	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit.....	31.20	7.02
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.90	
			<i>For >1,000, Deduct</i>	-2.68	
			<i>For Installation In Metal Stud Wall, Add</i>	1.76	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4.39	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.64	
			<i>For Work In Restricted Working Space, Add</i>	5.27	
			<i>For Elevated Installation >10' To 15', Add</i>	1.76	
			<i>For Elevated Installation >15' To 20', Add</i>	3.51	
			<i>For Elevated Installation >20' To 25', Add</i>	4.39	
			<i>For Elevated Installation >25' To 30', Add</i>	6.15	
			<i>For Elevated Installation >30' To 35', Add</i>	7.03	
			<i>For Elevated Installation >35' To 40', Add</i>	8.79	
			<i>For Elevated Installation >40', Add</i>	9.66	
			<i>For Factory Applied Color Coating, Add</i>	4.09	
26 05 33	13-0609	LF	4" Electrical Metallic Tubing (EMT) Conduit.....	41.47	10.45
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500 To 1,000, Deduct</i>	-2.46	
			<i>For >1,000, Deduct</i>	-3.49	
			<i>For Installation In Metal Stud Wall, Add</i>	2.61	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	6.53	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.92	
			<i>For Work In Restricted Working Space, Add</i>	7.83	
			<i>For Elevated Installation >10' To 15', Add</i>	2.61	
			<i>For Elevated Installation >15' To 20', Add</i>	5.22	
			<i>For Elevated Installation >20' To 25', Add</i>	6.53	
			<i>For Elevated Installation >25' To 30', Add</i>	9.14	
			<i>For Elevated Installation >30' To 35', Add</i>	10.44	
			<i>For Elevated Installation >35' To 40', Add</i>	13.06	
			<i>For Elevated Installation >40', Add</i>	14.36	
			<i>For Factory Applied Color Coating, Add</i>	4.61	
26 05 33	13-0610		Electrical Metallic Tubing (EMT) 90 Degree Elbows <small>(26 05 33 13-0598)</small>		
			See CSI section 26 05 33 13-2297 for conduit field bending.		
26 05 33	13-0611		Electrical Metallic Tubing (EMT) Set Screw Couplings <small>(26 05 33 13-0598)</small>		
26 05 33	13-0612	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.00	3.25
			<i>For Work In Restricted Working Space, Add</i>	2.03	
			<i>For Elevated Installation >10' To 15', Add</i>	0.68	
			<i>For Elevated Installation >15' To 20', Add</i>	1.35	
			<i>For Elevated Installation >20' To 25', Add</i>	1.69	
			<i>For Elevated Installation >25' To 30', Add</i>	2.36	
			<i>For Elevated Installation >30' To 35', Add</i>	2.70	
			<i>For Elevated Installation >35' To 40', Add</i>	3.38	
			<i>For Elevated Installation >40', Add</i>	3.71	
26 05 33	13-0613	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	8.48	3.25
			<i>For Work In Restricted Working Space, Add</i>	2.43	
			<i>For Elevated Installation >10' To 15', Add</i>	0.81	
			<i>For Elevated Installation >15' To 20', Add</i>	1.62	
			<i>For Elevated Installation >20' To 25', Add</i>	2.03	
			<i>For Elevated Installation >25' To 30', Add</i>	2.84	
			<i>For Elevated Installation >30' To 35', Add</i>	3.24	
			<i>For Elevated Installation >35' To 40', Add</i>	4.06	
			<i>For Elevated Installation >40', Add</i>	4.46	
26 05 33	13-0614	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	10.02	3.79
			<i>For Work In Restricted Working Space, Add</i>	2.84	
			<i>For Elevated Installation >10' To 15', Add</i>	0.95	
			<i>For Elevated Installation >15' To 20', Add</i>	1.89	
			<i>For Elevated Installation >20' To 25', Add</i>	2.37	
			<i>For Elevated Installation >25' To 30', Add</i>	3.31	
			<i>For Elevated Installation >30' To 35', Add</i>	3.78	
			<i>For Elevated Installation >35' To 40', Add</i>	4.73	
			<i>For Elevated Installation >40', Add</i>	5.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0615 EA 1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	13.38	4.86
<i>For Work In Restricted Working Space, Add</i>	3.65	
<i>For Elevated Installation >10' To 15', Add</i>	1.22	
<i>For Elevated Installation >15' To 20', Add</i>	2.43	
<i>For Elevated Installation >20' To 25', Add</i>	3.04	
<i>For Elevated Installation >25' To 30', Add</i>	4.26	
<i>For Elevated Installation >30' To 35', Add</i>	4.86	
<i>For Elevated Installation >35' To 40', Add</i>	6.08	
<i>For Elevated Installation >40', Add</i>	6.69	
26 05 33 13-0616 EA 1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	16.48	5.94
<i>For Work In Restricted Working Space, Add</i>	4.46	
<i>For Elevated Installation >10' To 15', Add</i>	1.49	
<i>For Elevated Installation >15' To 20', Add</i>	2.97	
<i>For Elevated Installation >20' To 25', Add</i>	3.72	
<i>For Elevated Installation >25' To 30', Add</i>	5.20	
<i>For Elevated Installation >30' To 35', Add</i>	5.95	
<i>For Elevated Installation >35' To 40', Add</i>	7.44	
<i>For Elevated Installation >40', Add</i>	8.18	
26 05 33 13-0617 EA 2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	22.41	8.11
<i>For Work In Restricted Working Space, Add</i>	6.08	
<i>For Elevated Installation >10' To 15', Add</i>	2.03	
<i>For Elevated Installation >15' To 20', Add</i>	4.05	
<i>For Elevated Installation >20' To 25', Add</i>	5.07	
<i>For Elevated Installation >25' To 30', Add</i>	7.09	
<i>For Elevated Installation >30' To 35', Add</i>	8.11	
<i>For Elevated Installation >35' To 40', Add</i>	10.14	
<i>For Elevated Installation >40', Add</i>	11.15	
26 05 33 13-0618 EA 2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	30.78	10.81
<i>For Work In Restricted Working Space, Add</i>	8.11	
<i>For Elevated Installation >10' To 15', Add</i>	2.70	
<i>For Elevated Installation >15' To 20', Add</i>	5.41	
<i>For Elevated Installation >20' To 25', Add</i>	6.76	
<i>For Elevated Installation >25' To 30', Add</i>	9.46	
<i>For Elevated Installation >30' To 35', Add</i>	10.81	
<i>For Elevated Installation >35' To 40', Add</i>	13.52	
<i>For Elevated Installation >40', Add</i>	14.87	
26 05 33 13-0619 EA 3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	39.60	12.44
<i>For Work In Restricted Working Space, Add</i>	10.13	
<i>For Elevated Installation >10' To 15', Add</i>	3.38	
<i>For Elevated Installation >15' To 20', Add</i>	6.76	
<i>For Elevated Installation >20' To 25', Add</i>	8.45	
<i>For Elevated Installation >25' To 30', Add</i>	11.82	
<i>For Elevated Installation >30' To 35', Add</i>	13.51	
<i>For Elevated Installation >35' To 40', Add</i>	16.89	
<i>For Elevated Installation >40', Add</i>	18.58	
26 05 33 13-0620 EA 3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	45.15	13.52
<i>For Work In Restricted Working Space, Add</i>	12.16	
<i>For Elevated Installation >10' To 15', Add</i>	4.05	
<i>For Elevated Installation >15' To 20', Add</i>	8.11	
<i>For Elevated Installation >20' To 25', Add</i>	10.14	
<i>For Elevated Installation >25' To 30', Add</i>	14.19	
<i>For Elevated Installation >30' To 35', Add</i>	16.22	
<i>For Elevated Installation >35' To 40', Add</i>	20.27	
<i>For Elevated Installation >40', Add</i>	22.30	
26 05 33 13-0621 EA 4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	130.73	37.85
<i>For Work In Restricted Working Space, Add</i>	36.76	
<i>For Elevated Installation >10' To 15', Add</i>	12.25	
<i>For Elevated Installation >15' To 20', Add</i>	24.50	
<i>For Elevated Installation >20' To 25', Add</i>	30.63	
<i>For Elevated Installation >25' To 30', Add</i>	42.88	
<i>For Elevated Installation >30' To 35', Add</i>	49.01	
<i>For Elevated Installation >35' To 40', Add</i>	61.26	
<i>For Elevated Installation >40', Add</i>	67.39	
26 05 33 13-0622 Electrical Metallic Tubing (EMT) Compression Couplings <small>(26 05 33 13-0598)</small>		
26 05 33 13-0623 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling.....	8.73	3.25
<i>For Work In Restricted Working Space, Add</i>	2.43	
<i>For Elevated Installation >10' To 15', Add</i>	0.81	
<i>For Elevated Installation >15' To 20', Add</i>	1.62	
<i>For Elevated Installation >20' To 25', Add</i>	2.03	
<i>For Elevated Installation >25' To 30', Add</i>	2.84	
<i>For Elevated Installation >30' To 35', Add</i>	3.24	
<i>For Elevated Installation >35' To 40', Add</i>	4.06	
<i>For Elevated Installation >40', Add</i>	4.46	
26 05 33 13-0624 EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	10.14	3.79
<i>For Work In Restricted Working Space, Add</i>	2.84	
<i>For Elevated Installation >10' To 15', Add</i>	0.95	
<i>For Elevated Installation >15' To 20', Add</i>	1.89	
<i>For Elevated Installation >20' To 25', Add</i>	2.37	
<i>For Elevated Installation >25' To 30', Add</i>	3.31	
<i>For Elevated Installation >30' To 35', Add</i>	3.78	
<i>For Elevated Installation >35' To 40', Add</i>	4.73	
<i>For Elevated Installation >40', Add</i>	5.20	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0625 EA 1" Electrical Metallic Tubing (EMT) Compression Coupling.....	14.46	5.40
For Work In Restricted Working Space, Add	4.06	
For Elevated Installation >10' To 15', Add	1.35	
For Elevated Installation >15' To 20', Add	2.70	
For Elevated Installation >20' To 25', Add	3.38	
For Elevated Installation >25' To 30', Add	4.73	
For Elevated Installation >30' To 35', Add	5.41	
For Elevated Installation >35' To 40', Add	6.76	
For Elevated Installation >40', Add	7.44	
26 05 33 13-0626 EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	18.18	6.48
For Work In Restricted Working Space, Add	4.86	
For Elevated Installation >10' To 15', Add	1.62	
For Elevated Installation >15' To 20', Add	3.24	
For Elevated Installation >20' To 25', Add	4.05	
For Elevated Installation >25' To 30', Add	5.67	
For Elevated Installation >30' To 35', Add	6.48	
For Elevated Installation >35' To 40', Add	8.11	
For Elevated Installation >40', Add	8.92	
26 05 33 13-0627 EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	21.69	7.57
For Work In Restricted Working Space, Add	5.68	
For Elevated Installation >10' To 15', Add	1.89	
For Elevated Installation >15' To 20', Add	3.78	
For Elevated Installation >20' To 25', Add	4.73	
For Elevated Installation >25' To 30', Add	6.62	
For Elevated Installation >30' To 35', Add	7.57	
For Elevated Installation >35' To 40', Add	9.46	
For Elevated Installation >40', Add	10.41	
26 05 33 13-0628 EA 2" Electrical Metallic Tubing (EMT) Compression Coupling.....	28.67	9.73
For Work In Restricted Working Space, Add	7.30	
For Elevated Installation >10' To 15', Add	2.43	
For Elevated Installation >15' To 20', Add	4.86	
For Elevated Installation >20' To 25', Add	6.08	
For Elevated Installation >25' To 30', Add	8.51	
For Elevated Installation >30' To 35', Add	9.73	
For Elevated Installation >35' To 40', Add	12.16	
For Elevated Installation >40', Add	13.38	
26 05 33 13-0629 EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	43.81	12.98
For Work In Restricted Working Space, Add	9.73	
For Elevated Installation >10' To 15', Add	3.24	
For Elevated Installation >15' To 20', Add	6.49	
For Elevated Installation >20' To 25', Add	8.11	
For Elevated Installation >25' To 30', Add	11.35	
For Elevated Installation >30' To 35', Add	12.98	
For Elevated Installation >35' To 40', Add	16.22	
For Elevated Installation >40', Add	17.84	
26 05 33 13-0630 EA 3" Electrical Metallic Tubing (EMT) Compression Coupling.....	50.77	15.13
For Work In Restricted Working Space, Add	11.35	
For Elevated Installation >10' To 15', Add	3.78	
For Elevated Installation >15' To 20', Add	7.57	
For Elevated Installation >20' To 25', Add	9.46	
For Elevated Installation >25' To 30', Add	13.24	
For Elevated Installation >30' To 35', Add	15.14	
For Elevated Installation >35' To 40', Add	18.92	
For Elevated Installation >40', Add	20.81	
26 05 33 13-0631 EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	63.47	18.92
For Work In Restricted Working Space, Add	14.19	
For Elevated Installation >10' To 15', Add	4.73	
For Elevated Installation >15' To 20', Add	9.46	
For Elevated Installation >20' To 25', Add	11.83	
For Elevated Installation >25' To 30', Add	16.56	
For Elevated Installation >30' To 35', Add	18.92	
For Elevated Installation >35' To 40', Add	23.65	
For Elevated Installation >40', Add	26.02	
26 05 33 13-0632 EA 4" Electrical Metallic Tubing (EMT) Compression Coupling.....	81.44	24.32
For Work In Restricted Working Space, Add	18.25	
For Elevated Installation >10' To 15', Add	6.08	
For Elevated Installation >15' To 20', Add	12.16	
For Elevated Installation >20' To 25', Add	15.21	
For Elevated Installation >25' To 30', Add	21.29	
For Elevated Installation >30' To 35', Add	24.33	
For Elevated Installation >35' To 40', Add	30.41	
For Elevated Installation >40', Add	33.45	
26 05 33 13-0633 Electrical Metallic Tubing (EMT) Raintight Compression Couplings (26 05 33 13-0598)		
26 05 33 13-0634 EA 1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	9.61	3.25
For Work In Restricted Working Space, Add	2.43	
For Elevated Installation >10' To 15', Add	0.81	
For Elevated Installation >15' To 20', Add	1.62	
For Elevated Installation >20' To 25', Add	2.03	
For Elevated Installation >25' To 30', Add	2.84	
For Elevated Installation >30' To 35', Add	3.24	
For Elevated Installation >35' To 40', Add	4.06	
For Elevated Installation >40', Add	4.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0635 EA 3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	11.11	3.79
<i>For Work In Restricted Working Space, Add</i>	2.84	
<i>For Elevated Installation >10' To 15', Add</i>	0.95	
<i>For Elevated Installation >15' To 20', Add</i>	1.89	
<i>For Elevated Installation >20' To 25', Add</i>	2.37	
<i>For Elevated Installation >25' To 30', Add</i>	3.31	
<i>For Elevated Installation >30' To 35', Add</i>	3.78	
<i>For Elevated Installation >35' To 40', Add</i>	4.73	
<i>For Elevated Installation >40', Add</i>	5.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.84	
26 05 33 13-0636 EA 1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	16.30	5.40
<i>For Work In Restricted Working Space, Add</i>	4.06	
<i>For Elevated Installation >10' To 15', Add</i>	1.35	
<i>For Elevated Installation >15' To 20', Add</i>	2.70	
<i>For Elevated Installation >20' To 25', Add</i>	3.38	
<i>For Elevated Installation >25' To 30', Add</i>	4.73	
<i>For Elevated Installation >30' To 35', Add</i>	5.41	
<i>For Elevated Installation >35' To 40', Add</i>	6.76	
<i>For Elevated Installation >40', Add</i>	7.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	
26 05 33 13-0637 EA 1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	20.41	6.48
<i>For Work In Restricted Working Space, Add</i>	4.86	
<i>For Elevated Installation >10' To 15', Add</i>	1.62	
<i>For Elevated Installation >15' To 20', Add</i>	3.24	
<i>For Elevated Installation >20' To 25', Add</i>	4.05	
<i>For Elevated Installation >25' To 30', Add</i>	5.67	
<i>For Elevated Installation >30' To 35', Add</i>	6.48	
<i>For Elevated Installation >35' To 40', Add</i>	8.11	
<i>For Elevated Installation >40', Add</i>	8.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.86	
26 05 33 13-0638 EA 1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	25.66	7.57
<i>For Work In Restricted Working Space, Add</i>	5.68	
<i>For Elevated Installation >10' To 15', Add</i>	1.89	
<i>For Elevated Installation >15' To 20', Add</i>	3.78	
<i>For Elevated Installation >20' To 25', Add</i>	4.73	
<i>For Elevated Installation >25' To 30', Add</i>	6.62	
<i>For Elevated Installation >30' To 35', Add</i>	7.57	
<i>For Elevated Installation >35' To 40', Add</i>	9.46	
<i>For Elevated Installation >40', Add</i>	10.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.68	
26 05 33 13-0639 EA 2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	31.26	9.19
<i>For Work In Restricted Working Space, Add</i>	6.89	
<i>For Elevated Installation >10' To 15', Add</i>	2.30	
<i>For Elevated Installation >15' To 20', Add</i>	4.60	
<i>For Elevated Installation >20' To 25', Add</i>	5.75	
<i>For Elevated Installation >25' To 30', Add</i>	8.04	
<i>For Elevated Installation >30' To 35', Add</i>	9.19	
<i>For Elevated Installation >35' To 40', Add</i>	11.49	
<i>For Elevated Installation >40', Add</i>	12.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 05 33 13-0640 EA 2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	42.10	12.44
<i>For Work In Restricted Working Space, Add</i>	9.32	
<i>For Elevated Installation >10' To 15', Add</i>	3.11	
<i>For Elevated Installation >15' To 20', Add</i>	6.22	
<i>For Elevated Installation >20' To 25', Add</i>	7.77	
<i>For Elevated Installation >25' To 30', Add</i>	10.88	
<i>For Elevated Installation >30' To 35', Add</i>	12.43	
<i>For Elevated Installation >35' To 40', Add</i>	15.54	
<i>For Elevated Installation >40', Add</i>	17.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.32	
26 05 33 13-0641 EA 3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	52.80	15.13
<i>For Work In Restricted Working Space, Add</i>	11.35	
<i>For Elevated Installation >10' To 15', Add</i>	3.78	
<i>For Elevated Installation >15' To 20', Add</i>	7.57	
<i>For Elevated Installation >20' To 25', Add</i>	9.46	
<i>For Elevated Installation >25' To 30', Add</i>	13.24	
<i>For Elevated Installation >30' To 35', Add</i>	15.14	
<i>For Elevated Installation >35' To 40', Add</i>	18.92	
<i>For Elevated Installation >40', Add</i>	20.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-0642 EA 3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	68.95	18.92
<i>For Work In Restricted Working Space, Add</i>	14.19	
<i>For Elevated Installation >10' To 15', Add</i>	4.73	
<i>For Elevated Installation >15' To 20', Add</i>	9.46	
<i>For Elevated Installation >20' To 25', Add</i>	11.83	
<i>For Elevated Installation >25' To 30', Add</i>	16.56	
<i>For Elevated Installation >30' To 35', Add</i>	18.92	
<i>For Elevated Installation >35' To 40', Add</i>	23.65	
<i>For Elevated Installation >40', Add</i>	26.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.19	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0643	EA	4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	85.02	24.32
			<i>For Work In Restricted Working Space, Add</i>	18.25	
			<i>For Elevated Installation >10' To 15', Add</i>	6.08	
			<i>For Elevated Installation >15' To 20', Add</i>	12.16	
			<i>For Elevated Installation >20' To 25', Add</i>	15.21	
			<i>For Elevated Installation >25' To 30', Add</i>	21.29	
			<i>For Elevated Installation >30' To 35', Add</i>	24.33	
			<i>For Elevated Installation >35' To 40', Add</i>	30.41	
			<i>For Elevated Installation >40', Add</i>	33.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.25	
26 05 33	13-0644		Electrical Metallic Tubing (EMT) Insulated Bushing (26 05 33 13-0598)		
26 05 33	13-0645	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	9.14	3.65
			<i>For Work In Restricted Working Space, Add</i>	2.72	
			<i>For Elevated Installation >10' To 15', Add</i>	0.91	
			<i>For Elevated Installation >15' To 20', Add</i>	1.81	
			<i>For Elevated Installation >20' To 25', Add</i>	2.27	
			<i>For Elevated Installation >25' To 30', Add</i>	3.17	
			<i>For Elevated Installation >30' To 35', Add</i>	3.62	
			<i>For Elevated Installation >35' To 40', Add</i>	4.53	
			<i>For Elevated Installation >40', Add</i>	4.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.72	
26 05 33	13-0646	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	9.99	3.92
			<i>For Work In Restricted Working Space, Add</i>	2.96	
			<i>For Elevated Installation >10' To 15', Add</i>	0.99	
			<i>For Elevated Installation >15' To 20', Add</i>	1.97	
			<i>For Elevated Installation >20' To 25', Add</i>	2.47	
			<i>For Elevated Installation >25' To 30', Add</i>	3.45	
			<i>For Elevated Installation >30' To 35', Add</i>	3.94	
			<i>For Elevated Installation >35' To 40', Add</i>	4.93	
			<i>For Elevated Installation >40', Add</i>	5.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 33	13-0647	EA	1" Electrical Metallic Tubing (EMT) Insulated Bushing.....	12.44	4.86
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Elevated Installation >10' To 15', Add</i>	1.20	
			<i>For Elevated Installation >15' To 20', Add</i>	2.40	
			<i>For Elevated Installation >20' To 25', Add</i>	3.01	
			<i>For Elevated Installation >25' To 30', Add</i>	4.21	
			<i>For Elevated Installation >30' To 35', Add</i>	4.81	
			<i>For Elevated Installation >35' To 40', Add</i>	6.01	
			<i>For Elevated Installation >40', Add</i>	6.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33	13-0648	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	15.91	6.21
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For Elevated Installation >10' To 15', Add</i>	1.54	
			<i>For Elevated Installation >15' To 20', Add</i>	3.08	
			<i>For Elevated Installation >20' To 25', Add</i>	3.85	
			<i>For Elevated Installation >25' To 30', Add</i>	5.39	
			<i>For Elevated Installation >30' To 35', Add</i>	6.16	
			<i>For Elevated Installation >35' To 40', Add</i>	7.70	
			<i>For Elevated Installation >40', Add</i>	8.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33	13-0649	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	18.79	7.16
			<i>For Work In Restricted Working Space, Add</i>	5.39	
			<i>For Elevated Installation >10' To 15', Add</i>	1.80	
			<i>For Elevated Installation >15' To 20', Add</i>	3.60	
			<i>For Elevated Installation >20' To 25', Add</i>	4.50	
			<i>For Elevated Installation >25' To 30', Add</i>	6.29	
			<i>For Elevated Installation >30' To 35', Add</i>	7.19	
			<i>For Elevated Installation >35' To 40', Add</i>	8.99	
			<i>For Elevated Installation >40', Add</i>	9.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.39	
26 05 33	13-0650	EA	2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	22.97	8.65
			<i>For Work In Restricted Working Space, Add</i>	6.49	
			<i>For Elevated Installation >10' To 15', Add</i>	2.16	
			<i>For Elevated Installation >15' To 20', Add</i>	4.32	
			<i>For Elevated Installation >20' To 25', Add</i>	5.41	
			<i>For Elevated Installation >25' To 30', Add</i>	7.57	
			<i>For Elevated Installation >30' To 35', Add</i>	8.65	
			<i>For Elevated Installation >35' To 40', Add</i>	10.81	
			<i>For Elevated Installation >40', Add</i>	11.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.49	
26 05 33	13-0651	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	32.92	12.02
			<i>For Work In Restricted Working Space, Add</i>	9.00	
			<i>For Elevated Installation >10' To 15', Add</i>	3.00	
			<i>For Elevated Installation >15' To 20', Add</i>	6.00	
			<i>For Elevated Installation >20' To 25', Add</i>	7.50	
			<i>For Elevated Installation >25' To 30', Add</i>	10.50	
			<i>For Elevated Installation >30' To 35', Add</i>	12.00	
			<i>For Elevated Installation >35' To 40', Add</i>	15.00	
			<i>For Elevated Installation >40', Add</i>	16.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0652 EA 3" Electrical Metallic Tubing (EMT) Insulated Bushing.....	43.71	15.94
<i>For Work In Restricted Working Space, Add</i>	12.00	
<i>For Elevated Installation >10' To 15', Add</i>	4.00	
<i>For Elevated Installation >15' To 20', Add</i>	8.00	
<i>For Elevated Installation >20' To 25', Add</i>	10.00	
<i>For Elevated Installation >25' To 30', Add</i>	14.00	
<i>For Elevated Installation >30' To 35', Add</i>	16.00	
<i>For Elevated Installation >35' To 40', Add</i>	20.00	
<i>For Elevated Installation >40', Add</i>	22.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.00	
26 05 33 13-0653 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	56.07	20.54
<i>For Work In Restricted Working Space, Add</i>	15.45	
<i>For Elevated Installation >10' To 15', Add</i>	5.15	
<i>For Elevated Installation >15' To 20', Add</i>	10.30	
<i>For Elevated Installation >20' To 25', Add</i>	12.87	
<i>For Elevated Installation >25' To 30', Add</i>	18.02	
<i>For Elevated Installation >30' To 35', Add</i>	20.60	
<i>For Elevated Installation >35' To 40', Add</i>	25.75	
<i>For Elevated Installation >40', Add</i>	28.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.45	
26 05 33 13-0654 EA 4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	72.67	27.03
<i>For Work In Restricted Working Space, Add</i>	20.27	
<i>For Elevated Installation >10' To 15', Add</i>	6.76	
<i>For Elevated Installation >15' To 20', Add</i>	13.51	
<i>For Elevated Installation >20' To 25', Add</i>	16.89	
<i>For Elevated Installation >25' To 30', Add</i>	23.65	
<i>For Elevated Installation >30' To 35', Add</i>	27.03	
<i>For Elevated Installation >35' To 40', Add</i>	33.79	
<i>For Elevated Installation >40', Add</i>	37.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.27	
26 05 33 13-0655 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw ⁽²⁶		
<small>05 33 13-0599)</small>		
26 05 33 13-0656 EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	6.95	2.71
<i>For Work In Restricted Working Space, Add</i>	2.03	
<i>For Elevated Installation >10' To 15', Add</i>	0.68	
<i>For Elevated Installation >15' To 20', Add</i>	1.35	
<i>For Elevated Installation >20' To 25', Add</i>	1.69	
<i>For Elevated Installation >25' To 30', Add</i>	2.36	
<i>For Elevated Installation >30' To 35', Add</i>	2.70	
<i>For Elevated Installation >35' To 40', Add</i>	3.38	
<i>For Elevated Installation >40', Add</i>	3.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.03	
26 05 33 13-0657 EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	8.43	3.25
<i>For Work In Restricted Working Space, Add</i>	2.43	
<i>For Elevated Installation >10' To 15', Add</i>	0.81	
<i>For Elevated Installation >15' To 20', Add</i>	1.62	
<i>For Elevated Installation >20' To 25', Add</i>	2.03	
<i>For Elevated Installation >25' To 30', Add</i>	2.84	
<i>For Elevated Installation >30' To 35', Add</i>	3.24	
<i>For Elevated Installation >35' To 40', Add</i>	4.06	
<i>For Elevated Installation >40', Add</i>	4.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.43	
26 05 33 13-0658 EA 1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	10.02	3.79
<i>For Work In Restricted Working Space, Add</i>	2.84	
<i>For Elevated Installation >10' To 15', Add</i>	0.95	
<i>For Elevated Installation >15' To 20', Add</i>	1.89	
<i>For Elevated Installation >20' To 25', Add</i>	2.37	
<i>For Elevated Installation >25' To 30', Add</i>	3.31	
<i>For Elevated Installation >30' To 35', Add</i>	3.78	
<i>For Elevated Installation >35' To 40', Add</i>	4.73	
<i>For Elevated Installation >40', Add</i>	5.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.84	
26 05 33 13-0659 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	14.54	5.40
<i>For Work In Restricted Working Space, Add</i>	4.06	
<i>For Elevated Installation >10' To 15', Add</i>	1.35	
<i>For Elevated Installation >15' To 20', Add</i>	2.70	
<i>For Elevated Installation >20' To 25', Add</i>	3.38	
<i>For Elevated Installation >25' To 30', Add</i>	4.73	
<i>For Elevated Installation >30' To 35', Add</i>	5.41	
<i>For Elevated Installation >35' To 40', Add</i>	6.76	
<i>For Elevated Installation >40', Add</i>	7.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	
26 05 33 13-0660 EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	17.70	6.48
<i>For Work In Restricted Working Space, Add</i>	4.86	
<i>For Elevated Installation >10' To 15', Add</i>	1.62	
<i>For Elevated Installation >15' To 20', Add</i>	3.24	
<i>For Elevated Installation >20' To 25', Add</i>	4.05	
<i>For Elevated Installation >25' To 30', Add</i>	5.67	
<i>For Elevated Installation >30' To 35', Add</i>	6.48	
<i>For Elevated Installation >35' To 40', Add</i>	8.11	
<i>For Elevated Installation >40', Add</i>	8.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.86	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0661 EA 2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	22.48	8.11
For Work In Restricted Working Space, Add	6.08	
For Elevated Installation >10' To 15', Add	2.03	
For Elevated Installation >15' To 20', Add	4.05	
For Elevated Installation >20' To 25', Add	5.07	
For Elevated Installation >25' To 30', Add	7.09	
For Elevated Installation >30' To 35', Add	8.11	
For Elevated Installation >35' To 40', Add	10.14	
For Elevated Installation >40', Add	11.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 33 13-0662 EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	33.17	10.81
For Work In Restricted Working Space, Add	8.11	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.41	
For Elevated Installation >20' To 25', Add	6.76	
For Elevated Installation >25' To 30', Add	9.46	
For Elevated Installation >30' To 35', Add	10.81	
For Elevated Installation >35' To 40', Add	13.52	
For Elevated Installation >40', Add	14.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.11	
26 05 33 13-0663 EA 3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	41.29	13.52
For Work In Restricted Working Space, Add	10.13	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.76	
For Elevated Installation >20' To 25', Add	8.45	
For Elevated Installation >25' To 30', Add	11.82	
For Elevated Installation >30' To 35', Add	13.51	
For Elevated Installation >35' To 40', Add	16.89	
For Elevated Installation >40', Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 05 33 13-0664 EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	48.98	16.21
For Work In Restricted Working Space, Add	12.16	
For Elevated Installation >10' To 15', Add	4.05	
For Elevated Installation >15' To 20', Add	8.11	
For Elevated Installation >20' To 25', Add	10.14	
For Elevated Installation >25' To 30', Add	14.19	
For Elevated Installation >30' To 35', Add	16.22	
For Elevated Installation >35' To 40', Add	20.27	
For Elevated Installation >40', Add	22.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.16	
26 05 33 13-0665 EA 4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	57.07	18.92
For Work In Restricted Working Space, Add	14.19	
For Elevated Installation >10' To 15', Add	4.73	
For Elevated Installation >15' To 20', Add	9.46	
For Elevated Installation >20' To 25', Add	11.83	
For Elevated Installation >25' To 30', Add	16.56	
For Elevated Installation >30' To 35', Add	18.92	
For Elevated Installation >35' To 40', Add	23.65	
For Elevated Installation >40', Add	26.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.19	
26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw <small>(26 05 33 13-0598)</small>		
26 05 33 13-0667 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	9.39	3.65
For Work In Restricted Working Space, Add	2.72	
For Elevated Installation >10' To 15', Add	0.91	
For Elevated Installation >15' To 20', Add	1.81	
For Elevated Installation >20' To 25', Add	2.27	
For Elevated Installation >25' To 30', Add	3.17	
For Elevated Installation >30' To 35', Add	3.62	
For Elevated Installation >35' To 40', Add	4.53	
For Elevated Installation >40', Add	4.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.72	
26 05 33 13-0668 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	10.39	3.92
For Work In Restricted Working Space, Add	2.96	
For Elevated Installation >10' To 15', Add	0.99	
For Elevated Installation >15' To 20', Add	1.97	
For Elevated Installation >20' To 25', Add	2.47	
For Elevated Installation >25' To 30', Add	3.45	
For Elevated Installation >30' To 35', Add	3.94	
For Elevated Installation >35' To 40', Add	4.93	
For Elevated Installation >40', Add	5.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.96	
26 05 33 13-0669 EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	12.95	4.86
For Work In Restricted Working Space, Add	3.61	
For Elevated Installation >10' To 15', Add	1.20	
For Elevated Installation >15' To 20', Add	2.40	
For Elevated Installation >20' To 25', Add	3.01	
For Elevated Installation >25' To 30', Add	4.21	
For Elevated Installation >30' To 35', Add	4.81	
For Elevated Installation >35' To 40', Add	6.01	
For Elevated Installation >40', Add	6.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0670 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	16.95	6.21
For Work In Restricted Working Space, Add	4.62	
For Elevated Installation >10' To 15', Add	1.54	
For Elevated Installation >15' To 20', Add	3.08	
For Elevated Installation >20' To 25', Add	3.85	
For Elevated Installation >25' To 30', Add	5.39	
For Elevated Installation >30' To 35', Add	6.16	
For Elevated Installation >35' To 40', Add	7.70	
For Elevated Installation >40', Add	8.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-0671 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	20.05	7.16
For Work In Restricted Working Space, Add	5.39	
For Elevated Installation >10' To 15', Add	1.80	
For Elevated Installation >15' To 20', Add	3.60	
For Elevated Installation >20' To 25', Add	4.50	
For Elevated Installation >25' To 30', Add	6.29	
For Elevated Installation >30' To 35', Add	7.19	
For Elevated Installation >35' To 40', Add	8.99	
For Elevated Installation >40', Add	9.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-0672 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	24.46	8.65
For Work In Restricted Working Space, Add	6.49	
For Elevated Installation >10' To 15', Add	2.16	
For Elevated Installation >15' To 20', Add	4.32	
For Elevated Installation >20' To 25', Add	5.41	
For Elevated Installation >25' To 30', Add	7.57	
For Elevated Installation >30' To 35', Add	8.65	
For Elevated Installation >35' To 40', Add	10.81	
For Elevated Installation >40', Add	11.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.49	
26 05 33 13-0673 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	39.31	12.02
For Work In Restricted Working Space, Add	9.00	
For Elevated Installation >10' To 15', Add	3.00	
For Elevated Installation >15' To 20', Add	6.00	
For Elevated Installation >20' To 25', Add	7.50	
For Elevated Installation >25' To 30', Add	10.50	
For Elevated Installation >30' To 35', Add	12.00	
For Elevated Installation >35' To 40', Add	15.00	
For Elevated Installation >40', Add	16.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.00	
26 05 33 13-0674 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	51.13	15.94
For Work In Restricted Working Space, Add	12.00	
For Elevated Installation >10' To 15', Add	4.00	
For Elevated Installation >15' To 20', Add	8.00	
For Elevated Installation >20' To 25', Add	10.00	
For Elevated Installation >25' To 30', Add	14.00	
For Elevated Installation >30' To 35', Add	16.00	
For Elevated Installation >35' To 40', Add	20.00	
For Elevated Installation >40', Add	22.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.00	
26 05 33 13-0675 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	65.40	20.54
For Work In Restricted Working Space, Add	15.45	
For Elevated Installation >10' To 15', Add	5.15	
For Elevated Installation >15' To 20', Add	10.30	
For Elevated Installation >20' To 25', Add	12.87	
For Elevated Installation >25' To 30', Add	18.02	
For Elevated Installation >30' To 35', Add	20.60	
For Elevated Installation >35' To 40', Add	25.75	
For Elevated Installation >40', Add	28.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.45	
26 05 33 13-0676 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	82.88	27.03
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 33 13-0677 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors <small>(26 05 33 13-0598)</small>		
26 05 33 13-0678 EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	8.43	3.25
For Work In Restricted Working Space, Add	2.43	
For Elevated Installation >10' To 15', Add	0.81	
For Elevated Installation >15' To 20', Add	1.62	
For Elevated Installation >20' To 25', Add	2.03	
For Elevated Installation >25' To 30', Add	2.84	
For Elevated Installation >30' To 35', Add	3.24	
For Elevated Installation >35' To 40', Add	4.06	
For Elevated Installation >40', Add	4.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.43	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0679	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	9.94	3.79
			<i>For Work In Restricted Working Space, Add</i>	2.84	
			<i>For Elevated Installation >10' To 15', Add</i>	0.95	
			<i>For Elevated Installation >15' To 20', Add</i>	1.89	
			<i>For Elevated Installation >20' To 25', Add</i>	2.37	
			<i>For Elevated Installation >25' To 30', Add</i>	3.31	
			<i>For Elevated Installation >30' To 35', Add</i>	3.78	
			<i>For Elevated Installation >35' To 40', Add</i>	4.73	
			<i>For Elevated Installation >40', Add</i>	5.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.84	
26 05 33	13-0680	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	14.21	5.40
			<i>For Work In Restricted Working Space, Add</i>	4.06	
			<i>For Elevated Installation >10' To 15', Add</i>	1.35	
			<i>For Elevated Installation >15' To 20', Add</i>	2.70	
			<i>For Elevated Installation >20' To 25', Add</i>	3.38	
			<i>For Elevated Installation >25' To 30', Add</i>	4.73	
			<i>For Elevated Installation >30' To 35', Add</i>	5.41	
			<i>For Elevated Installation >35' To 40', Add</i>	6.76	
			<i>For Elevated Installation >40', Add</i>	7.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	
26 05 33	13-0681	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	17.51	6.48
			<i>For Work In Restricted Working Space, Add</i>	4.86	
			<i>For Elevated Installation >10' To 15', Add</i>	1.62	
			<i>For Elevated Installation >15' To 20', Add</i>	3.24	
			<i>For Elevated Installation >20' To 25', Add</i>	4.05	
			<i>For Elevated Installation >25' To 30', Add</i>	5.67	
			<i>For Elevated Installation >30' To 35', Add</i>	6.48	
			<i>For Elevated Installation >35' To 40', Add</i>	8.11	
			<i>For Elevated Installation >40', Add</i>	8.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.86	
26 05 33	13-0682	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	20.74	7.57
			<i>For Work In Restricted Working Space, Add</i>	5.68	
			<i>For Elevated Installation >10' To 15', Add</i>	1.89	
			<i>For Elevated Installation >15' To 20', Add</i>	3.78	
			<i>For Elevated Installation >20' To 25', Add</i>	4.73	
			<i>For Elevated Installation >25' To 30', Add</i>	6.62	
			<i>For Elevated Installation >30' To 35', Add</i>	7.57	
			<i>For Elevated Installation >35' To 40', Add</i>	9.46	
			<i>For Elevated Installation >40', Add</i>	10.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.68	
26 05 33	13-0683	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	26.96	9.73
			<i>For Work In Restricted Working Space, Add</i>	7.30	
			<i>For Elevated Installation >10' To 15', Add</i>	2.43	
			<i>For Elevated Installation >15' To 20', Add</i>	4.86	
			<i>For Elevated Installation >20' To 25', Add</i>	6.08	
			<i>For Elevated Installation >25' To 30', Add</i>	8.51	
			<i>For Elevated Installation >30' To 35', Add</i>	9.73	
			<i>For Elevated Installation >35' To 40', Add</i>	12.16	
			<i>For Elevated Installation >40', Add</i>	13.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.30	
26 05 33	13-0684	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	40.39	12.98
			<i>For Work In Restricted Working Space, Add</i>	9.73	
			<i>For Elevated Installation >10' To 15', Add</i>	3.24	
			<i>For Elevated Installation >15' To 20', Add</i>	6.49	
			<i>For Elevated Installation >20' To 25', Add</i>	8.11	
			<i>For Elevated Installation >25' To 30', Add</i>	11.35	
			<i>For Elevated Installation >30' To 35', Add</i>	12.98	
			<i>For Elevated Installation >35' To 40', Add</i>	16.22	
			<i>For Elevated Installation >40', Add</i>	17.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.73	
26 05 33	13-0685	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	50.95	16.21
			<i>For Work In Restricted Working Space, Add</i>	12.16	
			<i>For Elevated Installation >10' To 15', Add</i>	4.05	
			<i>For Elevated Installation >15' To 20', Add</i>	8.11	
			<i>For Elevated Installation >20' To 25', Add</i>	10.14	
			<i>For Elevated Installation >25' To 30', Add</i>	14.19	
			<i>For Elevated Installation >30' To 35', Add</i>	16.22	
			<i>For Elevated Installation >35' To 40', Add</i>	20.27	
			<i>For Elevated Installation >40', Add</i>	22.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.16	
26 05 33	13-0686	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	63.33	18.92
			<i>For Work In Restricted Working Space, Add</i>	14.19	
			<i>For Elevated Installation >10' To 15', Add</i>	4.73	
			<i>For Elevated Installation >15' To 20', Add</i>	9.46	
			<i>For Elevated Installation >20' To 25', Add</i>	11.83	
			<i>For Elevated Installation >25' To 30', Add</i>	16.56	
			<i>For Elevated Installation >30' To 35', Add</i>	18.92	
			<i>For Elevated Installation >35' To 40', Add</i>	23.65	
			<i>For Elevated Installation >40', Add</i>	26.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0687 EA 4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	71.44	21.62
For Work In Restricted Working Space, Add	16.22	
For Elevated Installation >10' To 15', Add	5.41	
For Elevated Installation >15' To 20', Add	10.81	
For Elevated Installation >20' To 25', Add	13.51	
For Elevated Installation >25' To 30', Add	18.92	
For Elevated Installation >30' To 35', Add	21.62	
For Elevated Installation >35' To 40', Add	27.03	
For Elevated Installation >40', Add	29.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.22	
26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors		
(26 05 33 13-0598)		
26 05 33 13-0689 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	9.61	3.65
For Work In Restricted Working Space, Add	2.72	
For Elevated Installation >10' To 15', Add	0.91	
For Elevated Installation >15' To 20', Add	1.81	
For Elevated Installation >20' To 25', Add	2.27	
For Elevated Installation >25' To 30', Add	3.17	
For Elevated Installation >30' To 35', Add	3.62	
For Elevated Installation >35' To 40', Add	4.53	
For Elevated Installation >40', Add	4.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.72	
26 05 33 13-0690 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	10.62	3.92
For Work In Restricted Working Space, Add	2.96	
For Elevated Installation >10' To 15', Add	0.99	
For Elevated Installation >15' To 20', Add	1.97	
For Elevated Installation >20' To 25', Add	2.47	
For Elevated Installation >25' To 30', Add	3.45	
For Elevated Installation >30' To 35', Add	3.94	
For Elevated Installation >35' To 40', Add	4.93	
For Elevated Installation >40', Add	5.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.96	
26 05 33 13-0691 EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	13.15	4.86
For Work In Restricted Working Space, Add	3.61	
For Elevated Installation >10' To 15', Add	1.20	
For Elevated Installation >15' To 20', Add	2.40	
For Elevated Installation >20' To 25', Add	3.01	
For Elevated Installation >25' To 30', Add	4.21	
For Elevated Installation >30' To 35', Add	4.81	
For Elevated Installation >35' To 40', Add	6.01	
For Elevated Installation >40', Add	6.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.61	
26 05 33 13-0692 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	17.50	6.21
For Work In Restricted Working Space, Add	4.62	
For Elevated Installation >10' To 15', Add	1.54	
For Elevated Installation >15' To 20', Add	3.08	
For Elevated Installation >20' To 25', Add	3.85	
For Elevated Installation >25' To 30', Add	5.39	
For Elevated Installation >30' To 35', Add	6.16	
For Elevated Installation >35' To 40', Add	7.70	
For Elevated Installation >40', Add	8.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-0693 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	20.96	7.16
For Work In Restricted Working Space, Add	5.39	
For Elevated Installation >10' To 15', Add	1.80	
For Elevated Installation >15' To 20', Add	3.60	
For Elevated Installation >20' To 25', Add	4.50	
For Elevated Installation >25' To 30', Add	6.29	
For Elevated Installation >30' To 35', Add	7.19	
For Elevated Installation >35' To 40', Add	8.99	
For Elevated Installation >40', Add	9.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-0694 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	25.78	8.65
For Work In Restricted Working Space, Add	6.49	
For Elevated Installation >10' To 15', Add	2.16	
For Elevated Installation >15' To 20', Add	4.32	
For Elevated Installation >20' To 25', Add	5.41	
For Elevated Installation >25' To 30', Add	7.57	
For Elevated Installation >30' To 35', Add	8.65	
For Elevated Installation >35' To 40', Add	10.81	
For Elevated Installation >40', Add	11.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.49	
26 05 33 13-0695 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	44.10	12.02
For Work In Restricted Working Space, Add	9.00	
For Elevated Installation >10' To 15', Add	3.00	
For Elevated Installation >15' To 20', Add	6.00	
For Elevated Installation >20' To 25', Add	7.50	
For Elevated Installation >25' To 30', Add	10.50	
For Elevated Installation >30' To 35', Add	12.00	
For Elevated Installation >35' To 40', Add	15.00	
For Elevated Installation >40', Add	16.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.00	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0696	EA		3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	59.19	15.94
			<i>For Work In Restricted Working Space, Add</i>	12.00	
			<i>For Elevated Installation >10' To 15', Add</i>	4.00	
			<i>For Elevated Installation >15' To 20', Add</i>	8.00	
			<i>For Elevated Installation >20' To 25', Add</i>	10.00	
			<i>For Elevated Installation >25' To 30', Add</i>	14.00	
			<i>For Elevated Installation >30' To 35', Add</i>	16.00	
			<i>For Elevated Installation >35' To 40', Add</i>	20.00	
			<i>For Elevated Installation >40', Add</i>	22.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.00	
26 05 33 13-0697	EA		3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	79.53	20.54
			<i>For Work In Restricted Working Space, Add</i>	15.45	
			<i>For Elevated Installation >10' To 15', Add</i>	5.15	
			<i>For Elevated Installation >15' To 20', Add</i>	10.30	
			<i>For Elevated Installation >20' To 25', Add</i>	12.87	
			<i>For Elevated Installation >25' To 30', Add</i>	18.02	
			<i>For Elevated Installation >30' To 35', Add</i>	20.60	
			<i>For Elevated Installation >35' To 40', Add</i>	25.75	
			<i>For Elevated Installation >40', Add</i>	28.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.45	
26 05 33 13-0698	EA		4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	100.37	27.03
			<i>For Work In Restricted Working Space, Add</i>	20.27	
			<i>For Elevated Installation >10' To 15', Add</i>	6.76	
			<i>For Elevated Installation >15' To 20', Add</i>	13.51	
			<i>For Elevated Installation >20' To 25', Add</i>	16.89	
			<i>For Elevated Installation >25' To 30', Add</i>	23.65	
			<i>For Elevated Installation >30' To 35', Add</i>	27.03	
			<i>For Elevated Installation >35' To 40', Add</i>	33.79	
			<i>For Elevated Installation >40', Add</i>	37.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.27	
26 05 33 13-0699 Electrical Metallic Tubing (EMT) Expansion Coupling (26 05 33 13-0598)					
Note: Excludes jumper.					
26 05 33 13-0700	EA		1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	67.21	17.98
			<i>For Work In Restricted Working Space, Add</i>	13.49	
			<i>For Elevated Installation >10' To 15', Add</i>	4.50	
			<i>For Elevated Installation >15' To 20', Add</i>	8.99	
			<i>For Elevated Installation >20' To 25', Add</i>	11.24	
			<i>For Elevated Installation >25' To 30', Add</i>	15.74	
			<i>For Elevated Installation >30' To 35', Add</i>	17.99	
			<i>For Elevated Installation >35' To 40', Add</i>	22.49	
			<i>For Elevated Installation >40', Add</i>	24.73	
26 05 33 13-0701	EA		3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	81.04	21.76
			<i>For Work In Restricted Working Space, Add</i>	16.35	
			<i>For Elevated Installation >10' To 15', Add</i>	5.45	
			<i>For Elevated Installation >15' To 20', Add</i>	10.90	
			<i>For Elevated Installation >20' To 25', Add</i>	13.63	
			<i>For Elevated Installation >25' To 30', Add</i>	19.08	
			<i>For Elevated Installation >30' To 35', Add</i>	21.80	
			<i>For Elevated Installation >35' To 40', Add</i>	27.26	
			<i>For Elevated Installation >40', Add</i>	29.98	
26 05 33 13-0702	EA		1" Electrical Metallic Tubing (EMT) Expansion Coupling	99.83	27.30
			<i>For Work In Restricted Working Space, Add</i>	20.45	
			<i>For Elevated Installation >10' To 15', Add</i>	6.82	
			<i>For Elevated Installation >15' To 20', Add</i>	13.63	
			<i>For Elevated Installation >20' To 25', Add</i>	17.04	
			<i>For Elevated Installation >25' To 30', Add</i>	23.85	
			<i>For Elevated Installation >30' To 35', Add</i>	27.26	
			<i>For Elevated Installation >35' To 40', Add</i>	34.08	
			<i>For Elevated Installation >40', Add</i>	37.48	
26 05 33 13-0703	EA		1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	128.21	33.52
			<i>For Work In Restricted Working Space, Add</i>	25.15	
			<i>For Elevated Installation >10' To 15', Add</i>	8.38	
			<i>For Elevated Installation >15' To 20', Add</i>	16.77	
			<i>For Elevated Installation >20' To 25', Add</i>	20.96	
			<i>For Elevated Installation >25' To 30', Add</i>	29.34	
			<i>For Elevated Installation >30' To 35', Add</i>	33.53	
			<i>For Elevated Installation >35' To 40', Add</i>	41.92	
			<i>For Elevated Installation >40', Add</i>	46.11	
26 05 33 13-0704	EA		1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	158.12	39.32
			<i>For Work In Restricted Working Space, Add</i>	29.49	
			<i>For Elevated Installation >10' To 15', Add</i>	9.83	
			<i>For Elevated Installation >15' To 20', Add</i>	19.66	
			<i>For Elevated Installation >20' To 25', Add</i>	24.58	
			<i>For Elevated Installation >25' To 30', Add</i>	34.41	
			<i>For Elevated Installation >30' To 35', Add</i>	39.32	
			<i>For Elevated Installation >35' To 40', Add</i>	49.16	
			<i>For Elevated Installation >40', Add</i>	54.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0705 EA 2" Electrical Metallic Tubing (EMT) Expansion Coupling	197.50	47.84
<i>For Work In Restricted Working Space, Add</i>	35.92	
<i>For Elevated Installation >10' To 15', Add</i>	11.97	
<i>For Elevated Installation >15' To 20', Add</i>	23.94	
<i>For Elevated Installation >20' To 25', Add</i>	29.93	
<i>For Elevated Installation >25' To 30', Add</i>	41.90	
<i>For Elevated Installation >30' To 35', Add</i>	47.89	
<i>For Elevated Installation >35' To 40', Add</i>	59.86	
<i>For Elevated Installation >40', Add</i>	65.85	
26 05 33 13-0706 EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	381.94	61.49
<i>For Work In Restricted Working Space, Add</i>	46.13	
<i>For Elevated Installation >10' To 15', Add</i>	15.38	
<i>For Elevated Installation >15' To 20', Add</i>	30.75	
<i>For Elevated Installation >20' To 25', Add</i>	38.44	
<i>For Elevated Installation >25' To 30', Add</i>	53.82	
<i>For Elevated Installation >30' To 35', Add</i>	61.50	
<i>For Elevated Installation >35' To 40', Add</i>	76.88	
<i>For Elevated Installation >40', Add</i>	84.57	
26 05 33 13-0707 EA 3" Electrical Metallic Tubing (EMT) Expansion Coupling	441.02	71.90
<i>For Work In Restricted Working Space, Add</i>	53.94	
<i>For Elevated Installation >10' To 15', Add</i>	17.98	
<i>For Elevated Installation >15' To 20', Add</i>	35.96	
<i>For Elevated Installation >20' To 25', Add</i>	44.95	
<i>For Elevated Installation >25' To 30', Add</i>	62.93	
<i>For Elevated Installation >30' To 35', Add</i>	71.92	
<i>For Elevated Installation >35' To 40', Add</i>	89.90	
<i>For Elevated Installation >40', Add</i>	98.88	
26 05 33 13-0708 EA 3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	536.65	78.38
<i>For Work In Restricted Working Space, Add</i>	58.81	
<i>For Elevated Installation >10' To 15', Add</i>	19.60	
<i>For Elevated Installation >15' To 20', Add</i>	39.20	
<i>For Elevated Installation >20' To 25', Add</i>	49.01	
<i>For Elevated Installation >25' To 30', Add</i>	68.61	
<i>For Elevated Installation >30' To 35', Add</i>	78.41	
<i>For Elevated Installation >35' To 40', Add</i>	98.01	
<i>For Elevated Installation >40', Add</i>	107.81	
26 05 33 13-0709 EA 4" Electrical Metallic Tubing (EMT) Expansion Coupling	581.67	86.49
<i>For Work In Restricted Working Space, Add</i>	64.89	
<i>For Elevated Installation >10' To 15', Add</i>	21.63	
<i>For Elevated Installation >15' To 20', Add</i>	43.26	
<i>For Elevated Installation >20' To 25', Add</i>	54.07	
<i>For Elevated Installation >25' To 30', Add</i>	75.70	
<i>For Elevated Installation >30' To 35', Add</i>	86.52	
<i>For Elevated Installation >35' To 40', Add</i>	108.15	
<i>For Elevated Installation >40', Add</i>	118.96	
26 05 33 13-0710 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters		
<small>(26 05 33 13-0598)</small>		
26 05 33 13-0711 EA 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	13.34	4.86
<i>For Work In Restricted Working Space, Add</i>	3.60	
<i>For Elevated Installation >10' To 15', Add</i>	1.20	
<i>For Elevated Installation >15' To 20', Add</i>	2.40	
<i>For Elevated Installation >20' To 25', Add</i>	3.00	
<i>For Elevated Installation >25' To 30', Add</i>	4.20	
<i>For Elevated Installation >30' To 35', Add</i>	4.80	
<i>For Elevated Installation >35' To 40', Add</i>	6.00	
<i>For Elevated Installation >40', Add</i>	6.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 05 33 13-0712 EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	14.07	4.86
<i>For Work In Restricted Working Space, Add</i>	3.60	
<i>For Elevated Installation >10' To 15', Add</i>	1.20	
<i>For Elevated Installation >15' To 20', Add</i>	2.40	
<i>For Elevated Installation >20' To 25', Add</i>	3.00	
<i>For Elevated Installation >25' To 30', Add</i>	4.20	
<i>For Elevated Installation >30' To 35', Add</i>	4.80	
<i>For Elevated Installation >35' To 40', Add</i>	6.00	
<i>For Elevated Installation >40', Add</i>	6.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 05 33 13-0713 EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	15.72	5.27
<i>For Work In Restricted Working Space, Add</i>	4.00	
<i>For Elevated Installation >10' To 15', Add</i>	1.33	
<i>For Elevated Installation >15' To 20', Add</i>	2.67	
<i>For Elevated Installation >20' To 25', Add</i>	3.34	
<i>For Elevated Installation >25' To 30', Add</i>	4.67	
<i>For Elevated Installation >30' To 35', Add</i>	5.34	
<i>For Elevated Installation >35' To 40', Add</i>	6.67	
<i>For Elevated Installation >40', Add</i>	7.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.00	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0714 EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	18.22	6.08
For Work In Restricted Working Space, Add	4.55	
For Elevated Installation >10' To 15', Add	1.52	
For Elevated Installation >15' To 20', Add	3.03	
For Elevated Installation >20' To 25', Add	3.79	
For Elevated Installation >25' To 30', Add	5.31	
For Elevated Installation >30' To 35', Add	6.07	
For Elevated Installation >35' To 40', Add	7.59	
For Elevated Installation >40', Add	8.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.55	
26 05 33 13-0715 EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	25.25	7.30
For Work In Restricted Working Space, Add	5.51	
For Elevated Installation >10' To 15', Add	1.84	
For Elevated Installation >15' To 20', Add	3.67	
For Elevated Installation >20' To 25', Add	4.59	
For Elevated Installation >25' To 30', Add	6.42	
For Elevated Installation >30' To 35', Add	7.34	
For Elevated Installation >35' To 40', Add	9.18	
For Elevated Installation >40', Add	10.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 05 33 13-0716 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	30.58	8.38
For Work In Restricted Working Space, Add	6.29	
For Elevated Installation >10' To 15', Add	2.10	
For Elevated Installation >15' To 20', Add	4.19	
For Elevated Installation >20' To 25', Add	5.24	
For Elevated Installation >25' To 30', Add	7.34	
For Elevated Installation >30' To 35', Add	8.39	
For Elevated Installation >35' To 40', Add	10.49	
For Elevated Installation >40', Add	11.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.29	
26 05 33 13-0717 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	39.61	10.54
For Work In Restricted Working Space, Add	7.86	
For Elevated Installation >10' To 15', Add	2.62	
For Elevated Installation >15' To 20', Add	5.24	
For Elevated Installation >20' To 25', Add	6.55	
For Elevated Installation >25' To 30', Add	9.17	
For Elevated Installation >30' To 35', Add	10.48	
For Elevated Installation >35' To 40', Add	13.11	
For Elevated Installation >40', Add	14.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.86	
26 05 33 13-0718 Electrical Metallic Tubing (EMT) Pulling Elbows (26 05 33 13-0598)		
26 05 33 13-0719 EA 1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws.....	27.81	12.17
For Work In Restricted Working Space, Add	7.30	
For Elevated Installation >15' To 20', Add	4.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.30	
26 05 33 13-0720 EA 3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws.....	32.43	14.19
For Work In Restricted Working Space, Add	8.51	
For Elevated Installation >15' To 20', Add	5.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.51	
26 05 33 13-0721 EA 1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws.....	39.66	16.21
For Work In Restricted Working Space, Add	9.73	
For Elevated Installation >15' To 20', Add	6.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.73	
26 05 33 13-0722 EA 1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws.....	50.48	20.27
For Work In Restricted Working Space, Add	12.16	
For Elevated Installation >15' To 20', Add	8.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.16	
26 05 33 13-0723 Intermediate Metal Conduit (IMC) (26 05 33 13-0058)		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0724 Intermediate Metal Conduit (IMC) Conduit (26 05 33 13-0723)		
Note: Includes field bending conduit up to 1".		
26 05 33 13-0725 LF 1/2" Intermediate Metal Conduit (IMC) Conduit.....	9.38	2.71
For >250 To 500, Deduct	-0.12	
For >500 To 1,000, Deduct	-0.18	
For >1,000, Deduct	-0.24	
For Installation In Metal Stud Wall, Add	0.70	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.76	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.05	
For Work In Restricted Working Space, Add	2.11	
For Elevated Installation >10' To 15', Add	0.70	
For Elevated Installation >15' To 20', Add	1.40	
For Elevated Installation >20' To 25', Add	1.76	
For Elevated Installation >25' To 30', Add	2.46	
For Elevated Installation >30' To 35', Add	2.81	
For Elevated Installation >35' To 40', Add	3.51	
For Elevated Installation >40', Add	3.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0726 LF 3/4" Intermediate Metal Conduit (IMC) Conduit	11.19	2.98
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.21	
For >1,000, Deduct	-0.28	
For Installation In Metal Stud Wall, Add	0.84	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.10	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.26	
For Work In Restricted Working Space, Add	2.51	
For Elevated Installation >10' To 15', Add	0.84	
For Elevated Installation >15' To 20', Add	1.68	
For Elevated Installation >20' To 25', Add	2.10	
For Elevated Installation >25' To 30', Add	2.93	
For Elevated Installation >30' To 35', Add	3.35	
For Elevated Installation >35' To 40', Add	4.19	
For Elevated Installation >40', Add	4.61	
26 05 33 13-0727 LF 1" Intermediate Metal Conduit (IMC) Conduit	14.89	3.25
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.33	
For >1,000, Deduct	-0.44	
For Installation In Metal Stud Wall, Add	1.05	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.64	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.58	
For Work In Restricted Working Space, Add	3.16	
For Elevated Installation >10' To 15', Add	1.05	
For Elevated Installation >15' To 20', Add	2.11	
For Elevated Installation >20' To 25', Add	2.64	
For Elevated Installation >25' To 30', Add	3.69	
For Elevated Installation >30' To 35', Add	4.22	
For Elevated Installation >35' To 40', Add	5.27	
For Elevated Installation >40', Add	5.80	
26 05 33 13-0728 LF 1-1/4" Intermediate Metal Conduit (IMC) Conduit	17.12	6.48
For >250 To 500, Deduct	-0.28	
For >500 To 1,000, Deduct	-0.41	
For >1,000, Deduct	-0.55	
For Installation In Metal Stud Wall, Add	1.16	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.91	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.74	
For Work In Restricted Working Space, Add	3.49	
For Elevated Installation >10' To 15', Add	1.16	
For Elevated Installation >15' To 20', Add	2.32	
For Elevated Installation >20' To 25', Add	2.91	
For Elevated Installation >25' To 30', Add	4.07	
For Elevated Installation >30' To 35', Add	4.65	
For Elevated Installation >35' To 40', Add	5.81	
For Elevated Installation >40', Add	6.39	
26 05 33 13-0729 LF 1-1/2" Intermediate Metal Conduit (IMC) Conduit	19.21	4.33
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.49	
For >1,000, Deduct	-0.65	
For Installation In Metal Stud Wall, Add	1.27	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.18	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.91	
For Work In Restricted Working Space, Add	3.81	
For Elevated Installation >10' To 15', Add	1.27	
For Elevated Installation >15' To 20', Add	2.54	
For Elevated Installation >20' To 25', Add	3.18	
For Elevated Installation >25' To 30', Add	4.45	
For Elevated Installation >30' To 35', Add	5.08	
For Elevated Installation >35' To 40', Add	6.36	
For Elevated Installation >40', Add	6.99	
26 05 33 13-0730 LF 2" Intermediate Metal Conduit (IMC) Conduit	24.21	4.86
For >250 To 500, Deduct	-0.44	
For >500 To 1,000, Deduct	-0.66	
For >1,000, Deduct	-0.88	
For Installation In Metal Stud Wall, Add	1.54	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.85	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.31	
For Work In Restricted Working Space, Add	4.62	
For Elevated Installation >10' To 15', Add	1.54	
For Elevated Installation >15' To 20', Add	3.08	
For Elevated Installation >20' To 25', Add	3.85	
For Elevated Installation >25' To 30', Add	5.39	
For Elevated Installation >30' To 35', Add	6.16	
For Elevated Installation >35' To 40', Add	7.70	
For Elevated Installation >40', Add	8.47	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0731	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	39.93	6.48
			<i>For >250 To 500, Deduct</i>	-0.98	
			<i>For >500 To 1,000, Deduct</i>	-1.46	
			<i>For >1,000, Deduct</i>	-1.95	
			<i>For Installation In Metal Stud Wall, Add</i>	2.04	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	5.10	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.06	
			<i>For Work In Restricted Working Space, Add</i>	6.12	
			<i>For Elevated Installation >10' To 15', Add</i>	2.04	
			<i>For Elevated Installation >15' To 20', Add</i>	4.08	
			<i>For Elevated Installation >20' To 25', Add</i>	5.10	
			<i>For Elevated Installation >25' To 30', Add</i>	7.14	
			<i>For Elevated Installation >30' To 35', Add</i>	8.16	
			<i>For Elevated Installation >35' To 40', Add</i>	10.20	
			<i>For Elevated Installation >40', Add</i>	11.22	
26 05 33	13-0732	LF	3" Intermediate Metal Conduit (IMC) Conduit	51.07	8.11
			<i>For >250 To 500, Deduct</i>	-1.20	
			<i>For >500 To 1,000, Deduct</i>	-1.80	
			<i>For >1,000, Deduct</i>	-2.40	
			<i>For Installation In Metal Stud Wall, Add</i>	2.70	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	6.76	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	4.05	
			<i>For Work In Restricted Working Space, Add</i>	8.11	
			<i>For Elevated Installation >10' To 15', Add</i>	2.70	
			<i>For Elevated Installation >15' To 20', Add</i>	5.41	
			<i>For Elevated Installation >20' To 25', Add</i>	6.76	
			<i>For Elevated Installation >25' To 30', Add</i>	9.46	
			<i>For Elevated Installation >30' To 35', Add</i>	10.81	
			<i>For Elevated Installation >35' To 40', Add</i>	13.52	
			<i>For Elevated Installation >40', Add</i>	14.87	
26 05 33	13-0733	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	58.79	9.73
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500 To 1,000, Deduct</i>	-2.09	
			<i>For >1,000, Deduct</i>	-2.79	
			<i>For Installation In Metal Stud Wall, Add</i>	3.09	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	7.74	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	4.64	
			<i>For Work In Restricted Working Space, Add</i>	9.28	
			<i>For Elevated Installation >10' To 15', Add</i>	3.09	
			<i>For Elevated Installation >15' To 20', Add</i>	6.19	
			<i>For Elevated Installation >20' To 25', Add</i>	7.74	
			<i>For Elevated Installation >25' To 30', Add</i>	10.83	
			<i>For Elevated Installation >30' To 35', Add</i>	12.38	
			<i>For Elevated Installation >35' To 40', Add</i>	15.47	
			<i>For Elevated Installation >40', Add</i>	17.02	
26 05 33	13-0734	LF	4" Intermediate Metal Conduit (IMC) Conduit	68.86	11.35
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500 To 1,000, Deduct</i>	-2.46	
			<i>For >1,000, Deduct</i>	-3.28	
			<i>For Installation In Metal Stud Wall, Add</i>	3.61	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	9.02	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	5.41	
			<i>For Work In Restricted Working Space, Add</i>	10.83	
			<i>For Elevated Installation >10' To 15', Add</i>	3.61	
			<i>For Elevated Installation >15' To 20', Add</i>	7.22	
			<i>For Elevated Installation >20' To 25', Add</i>	9.02	
			<i>For Elevated Installation >25' To 30', Add</i>	12.63	
			<i>For Elevated Installation >30' To 35', Add</i>	14.44	
			<i>For Elevated Installation >35' To 40', Add</i>	18.05	
			<i>For Elevated Installation >40', Add</i>	19.85	
26 05 33	13-0735		Intermediate Metal Conduit (IMC) 90 Degree Elbows <small>(26 05 33 13-0723)</small>		
			See CSI section 26 05 33 13-2297 for conduit field bending.		
26 05 33	13-0736	EA	1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	44.85	13.38
			<i>For Work In Restricted Working Space, Add</i>	10.07	
			<i>For Elevated Installation >10' To 15', Add</i>	3.36	
			<i>For Elevated Installation >15' To 20', Add</i>	6.71	
			<i>For Elevated Installation >20' To 25', Add</i>	8.39	
			<i>For Elevated Installation >25' To 30', Add</i>	11.75	
			<i>For Elevated Installation >30' To 35', Add</i>	13.42	
			<i>For Elevated Installation >35' To 40', Add</i>	16.78	
			<i>For Elevated Installation >40', Add</i>	18.46	
26 05 33	13-0737	EA	3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	54.39	16.62
			<i>For Work In Restricted Working Space, Add</i>	12.52	
			<i>For Elevated Installation >10' To 15', Add</i>	4.17	
			<i>For Elevated Installation >15' To 20', Add</i>	8.34	
			<i>For Elevated Installation >20' To 25', Add</i>	10.43	
			<i>For Elevated Installation >25' To 30', Add</i>	14.60	
			<i>For Elevated Installation >30' To 35', Add</i>	16.69	
			<i>For Elevated Installation >35' To 40', Add</i>	20.86	
			<i>For Elevated Installation >40', Add</i>	22.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0738 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	68.89	20.40
<i>For Work In Restricted Working Space, Add</i>	15.26	
<i>For Elevated Installation >10' To 15', Add</i>	5.09	
<i>For Elevated Installation >15' To 20', Add</i>	10.18	
<i>For Elevated Installation >20' To 25', Add</i>	12.72	
<i>For Elevated Installation >25' To 30', Add</i>	17.81	
<i>For Elevated Installation >30' To 35', Add</i>	20.35	
<i>For Elevated Installation >35' To 40', Add</i>	25.44	
<i>For Elevated Installation >40', Add</i>	27.98	
26 05 33 13-0739 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	84.32	23.65
<i>For Work In Restricted Working Space, Add</i>	17.72	
<i>For Elevated Installation >10' To 15', Add</i>	5.91	
<i>For Elevated Installation >15' To 20', Add</i>	11.81	
<i>For Elevated Installation >20' To 25', Add</i>	14.77	
<i>For Elevated Installation >25' To 30', Add</i>	20.67	
<i>For Elevated Installation >30' To 35', Add</i>	23.63	
<i>For Elevated Installation >35' To 40', Add</i>	29.54	
<i>For Elevated Installation >40', Add</i>	32.49	
26 05 33 13-0740 EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	99.73	27.17
<i>For Work In Restricted Working Space, Add</i>	20.34	
<i>For Elevated Installation >10' To 15', Add</i>	6.78	
<i>For Elevated Installation >15' To 20', Add</i>	13.56	
<i>For Elevated Installation >20' To 25', Add</i>	16.95	
<i>For Elevated Installation >25' To 30', Add</i>	23.73	
<i>For Elevated Installation >30' To 35', Add</i>	27.12	
<i>For Elevated Installation >35' To 40', Add</i>	33.90	
<i>For Elevated Installation >40', Add</i>	37.29	
26 05 33 13-0741 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	120.56	29.86
<i>For Work In Restricted Working Space, Add</i>	22.38	
<i>For Elevated Installation >10' To 15', Add</i>	7.46	
<i>For Elevated Installation >15' To 20', Add</i>	14.92	
<i>For Elevated Installation >20' To 25', Add</i>	18.65	
<i>For Elevated Installation >25' To 30', Add</i>	26.11	
<i>For Elevated Installation >30' To 35', Add</i>	29.84	
<i>For Elevated Installation >35' To 40', Add</i>	37.30	
<i>For Elevated Installation >40', Add</i>	41.02	
26 05 33 13-0742 EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	171.28	37.30
<i>For Work In Restricted Working Space, Add</i>	27.97	
<i>For Elevated Installation >10' To 15', Add</i>	9.32	
<i>For Elevated Installation >15' To 20', Add</i>	18.65	
<i>For Elevated Installation >20' To 25', Add</i>	23.31	
<i>For Elevated Installation >25' To 30', Add</i>	32.63	
<i>For Elevated Installation >30' To 35', Add</i>	37.30	
<i>For Elevated Installation >35' To 40', Add</i>	46.62	
<i>For Elevated Installation >40', Add</i>	51.28	
26 05 33 13-0743 EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	246.50	50.82
<i>For Work In Restricted Working Space, Add</i>	38.11	
<i>For Elevated Installation >10' To 15', Add</i>	12.70	
<i>For Elevated Installation >15' To 20', Add</i>	25.40	
<i>For Elevated Installation >20' To 25', Add</i>	31.76	
<i>For Elevated Installation >25' To 30', Add</i>	44.46	
<i>For Elevated Installation >30' To 35', Add</i>	50.81	
<i>For Elevated Installation >35' To 40', Add</i>	63.51	
<i>For Elevated Installation >40', Add</i>	69.86	
26 05 33 13-0744 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	354.20	57.30
<i>For Work In Restricted Working Space, Add</i>	42.98	
<i>For Elevated Installation >10' To 15', Add</i>	14.33	
<i>For Elevated Installation >15' To 20', Add</i>	28.65	
<i>For Elevated Installation >20' To 25', Add</i>	35.82	
<i>For Elevated Installation >25' To 30', Add</i>	50.14	
<i>For Elevated Installation >30' To 35', Add</i>	57.31	
<i>For Elevated Installation >35' To 40', Add</i>	71.64	
<i>For Elevated Installation >40', Add</i>	78.80	
26 05 33 13-0745 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	431.14	74.60
<i>For Work In Restricted Working Space, Add</i>	55.94	
<i>For Elevated Installation >10' To 15', Add</i>	18.65	
<i>For Elevated Installation >15' To 20', Add</i>	37.29	
<i>For Elevated Installation >20' To 25', Add</i>	46.62	
<i>For Elevated Installation >25' To 30', Add</i>	65.26	
<i>For Elevated Installation >30' To 35', Add</i>	74.58	
<i>For Elevated Installation >35' To 40', Add</i>	93.23	
<i>For Elevated Installation >40', Add</i>	102.55	
26 05 33 13-0746 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut <small>(26 05 33 13-0723)</small>		
26 05 33 13-0747 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	18.35	7.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33 13-0748 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	21.61	0.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-0749 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	27.91	10.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-0750 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	34.05	12.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.32	
26 05 33 13-0751 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	38.01	13.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	

26 Electrical
26 05 Common Work Results for Electrical
26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0752 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	48.87	16.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.57	
26 05 33 13-0753 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	89.33	27.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.27	
26 05 33 13-0754 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	111.24	36.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.57	
26 05 33 13-0755 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	144.45	43.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.84	
26 05 33 13-0756 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	170.28	50.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.11	
26 05 33 13-0757 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings (26 05 33 13-0723)		
Note: 3-Piece coupling.		
26 05 33 13-0758 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	60.17	21.62
<i>For Work In Restricted Working Space, Add</i>	16.24	
<i>For Elevated Installation >10' To 15', Add</i>	5.41	
<i>For Elevated Installation >15' To 20', Add</i>	10.82	
<i>For Elevated Installation >20' To 25', Add</i>	13.53	
<i>For Elevated Installation >25' To 30', Add</i>	18.94	
<i>For Elevated Installation >30' To 35', Add</i>	21.65	
<i>For Elevated Installation >35' To 40', Add</i>	27.06	
<i>For Elevated Installation >40', Add</i>	29.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.24	
26 05 33 13-0759 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	68.20	24.19
<i>For Work In Restricted Working Space, Add</i>	18.12	
<i>For Elevated Installation >10' To 15', Add</i>	6.04	
<i>For Elevated Installation >15' To 20', Add</i>	12.08	
<i>For Elevated Installation >20' To 25', Add</i>	15.10	
<i>For Elevated Installation >25' To 30', Add</i>	21.14	
<i>For Elevated Installation >30' To 35', Add</i>	24.16	
<i>For Elevated Installation >35' To 40', Add</i>	30.20	
<i>For Elevated Installation >40', Add</i>	33.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.12	
26 05 33 13-0760 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	82.32	26.90
<i>For Work In Restricted Working Space, Add</i>	20.18	
<i>For Elevated Installation >10' To 15', Add</i>	6.73	
<i>For Elevated Installation >15' To 20', Add</i>	13.46	
<i>For Elevated Installation >20' To 25', Add</i>	16.82	
<i>For Elevated Installation >25' To 30', Add</i>	23.55	
<i>For Elevated Installation >30' To 35', Add</i>	26.91	
<i>For Elevated Installation >35' To 40', Add</i>	33.64	
<i>For Elevated Installation >40', Add</i>	37.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.18	
26 05 33 13-0761 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	101.29	29.46
<i>For Work In Restricted Working Space, Add</i>	22.09	
<i>For Elevated Installation >10' To 15', Add</i>	7.36	
<i>For Elevated Installation >15' To 20', Add</i>	14.73	
<i>For Elevated Installation >20' To 25', Add</i>	18.41	
<i>For Elevated Installation >25' To 30', Add</i>	25.77	
<i>For Elevated Installation >30' To 35', Add</i>	29.45	
<i>For Elevated Installation >35' To 40', Add</i>	36.82	
<i>For Elevated Installation >40', Add</i>	40.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.09	
26 05 33 13-0762 EA 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	115.27	32.17
<i>For Work In Restricted Working Space, Add</i>	24.17	
<i>For Elevated Installation >10' To 15', Add</i>	8.06	
<i>For Elevated Installation >15' To 20', Add</i>	16.11	
<i>For Elevated Installation >20' To 25', Add</i>	20.14	
<i>For Elevated Installation >25' To 30', Add</i>	28.19	
<i>For Elevated Installation >30' To 35', Add</i>	32.22	
<i>For Elevated Installation >35' To 40', Add</i>	40.28	
<i>For Elevated Installation >40', Add</i>	44.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.17	
26 05 33 13-0763 EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	156.66	34.86
<i>For Work In Restricted Working Space, Add</i>	26.17	
<i>For Elevated Installation >10' To 15', Add</i>	8.72	
<i>For Elevated Installation >15' To 20', Add</i>	17.45	
<i>For Elevated Installation >20' To 25', Add</i>	21.81	
<i>For Elevated Installation >25' To 30', Add</i>	30.53	
<i>For Elevated Installation >30' To 35', Add</i>	34.89	
<i>For Elevated Installation >35' To 40', Add</i>	43.62	
<i>For Elevated Installation >40', Add</i>	47.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.17	
26 05 33 13-0764 EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	256.62	43.25
<i>For Work In Restricted Working Space, Add</i>	32.43	
<i>For Elevated Installation >10' To 15', Add</i>	10.81	
<i>For Elevated Installation >15' To 20', Add</i>	21.62	
<i>For Elevated Installation >20' To 25', Add</i>	27.03	
<i>For Elevated Installation >25' To 30', Add</i>	37.84	
<i>For Elevated Installation >30' To 35', Add</i>	43.24	
<i>For Elevated Installation >35' To 40', Add</i>	54.06	
<i>For Elevated Installation >40', Add</i>	59.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0765 EA 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	361.62	54.05
<i>For Work In Restricted Working Space, Add</i>	40.54	
<i>For Elevated Installation >10' To 15', Add</i>	13.51	
<i>For Elevated Installation >15' To 20', Add</i>	27.03	
<i>For Elevated Installation >20' To 25', Add</i>	33.79	
<i>For Elevated Installation >25' To 30', Add</i>	47.30	
<i>For Elevated Installation >30' To 35', Add</i>	54.06	
<i>For Elevated Installation >35' To 40', Add</i>	67.57	
<i>For Elevated Installation >40', Add</i>	74.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.54	
26 05 33 13-0766 EA 3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	526.09	64.87
<i>For Work In Restricted Working Space, Add</i>	48.67	
<i>For Elevated Installation >10' To 15', Add</i>	16.22	
<i>For Elevated Installation >15' To 20', Add</i>	32.45	
<i>For Elevated Installation >20' To 25', Add</i>	40.56	
<i>For Elevated Installation >25' To 30', Add</i>	56.78	
<i>For Elevated Installation >30' To 35', Add</i>	64.89	
<i>For Elevated Installation >35' To 40', Add</i>	81.12	
<i>For Elevated Installation >40', Add</i>	89.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.67	
26 05 33 13-0767 EA 4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	606.36	70.28
<i>For Work In Restricted Working Space, Add</i>	52.70	
<i>For Elevated Installation >10' To 15', Add</i>	17.57	
<i>For Elevated Installation >15' To 20', Add</i>	35.13	
<i>For Elevated Installation >20' To 25', Add</i>	43.92	
<i>For Elevated Installation >25' To 30', Add</i>	61.48	
<i>For Elevated Installation >30' To 35', Add</i>	70.27	
<i>For Elevated Installation >35' To 40', Add</i>	87.84	
<i>For Elevated Installation >40', Add</i>	96.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.70	
26 05 33 13-0768 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0723)</small>		
26 05 33 13-0769 EA 1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	33.62	10.81
<i>For Work In Restricted Working Space, Add</i>	8.11	
<i>For Elevated Installation >10' To 15', Add</i>	2.70	
<i>For Elevated Installation >15' To 20', Add</i>	5.41	
<i>For Elevated Installation >20' To 25', Add</i>	6.76	
<i>For Elevated Installation >25' To 30', Add</i>	9.46	
<i>For Elevated Installation >30' To 35', Add</i>	10.81	
<i>For Elevated Installation >35' To 40', Add</i>	13.52	
<i>For Elevated Installation >40', Add</i>	14.87	
26 05 33 13-0770 EA 3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	37.53	11.89
<i>For Work In Restricted Working Space, Add</i>	8.92	
<i>For Elevated Installation >10' To 15', Add</i>	2.97	
<i>For Elevated Installation >15' To 20', Add</i>	5.95	
<i>For Elevated Installation >20' To 25', Add</i>	7.43	
<i>For Elevated Installation >25' To 30', Add</i>	10.41	
<i>For Elevated Installation >30' To 35', Add</i>	11.89	
<i>For Elevated Installation >35' To 40', Add</i>	14.87	
<i>For Elevated Installation >40', Add</i>	16.35	
26 05 33 13-0771 EA 1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	43.07	13.52
<i>For Work In Restricted Working Space, Add</i>	10.14	
<i>For Elevated Installation >10' To 15', Add</i>	3.38	
<i>For Elevated Installation >15' To 20', Add</i>	6.76	
<i>For Elevated Installation >20' To 25', Add</i>	8.45	
<i>For Elevated Installation >25' To 30', Add</i>	11.83	
<i>For Elevated Installation >30' To 35', Add</i>	13.52	
<i>For Elevated Installation >35' To 40', Add</i>	16.90	
<i>For Elevated Installation >40', Add</i>	18.58	
26 05 33 13-0772 EA 1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	48.74	14.59
<i>For Work In Restricted Working Space, Add</i>	10.95	
<i>For Elevated Installation >10' To 15', Add</i>	3.65	
<i>For Elevated Installation >15' To 20', Add</i>	7.30	
<i>For Elevated Installation >20' To 25', Add</i>	9.12	
<i>For Elevated Installation >25' To 30', Add</i>	12.77	
<i>For Elevated Installation >30' To 35', Add</i>	14.60	
<i>For Elevated Installation >35' To 40', Add</i>	18.25	
<i>For Elevated Installation >40', Add</i>	20.07	
26 05 33 13-0773 EA 1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	57.62	16.21
<i>For Work In Restricted Working Space, Add</i>	12.16	
<i>For Elevated Installation >10' To 15', Add</i>	4.05	
<i>For Elevated Installation >15' To 20', Add</i>	8.11	
<i>For Elevated Installation >20' To 25', Add</i>	10.14	
<i>For Elevated Installation >25' To 30', Add</i>	14.19	
<i>For Elevated Installation >30' To 35', Add</i>	16.22	
<i>For Elevated Installation >35' To 40', Add</i>	20.27	
<i>For Elevated Installation >40', Add</i>	22.30	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0774	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	69.85	17.84
			<i>For Work In Restricted Working Space, Add</i>	13.38	
			<i>For Elevated Installation >10' To 15', Add</i>	4.46	
			<i>For Elevated Installation >15' To 20', Add</i>	8.92	
			<i>For Elevated Installation >20' To 25', Add</i>	11.15	
			<i>For Elevated Installation >25' To 30', Add</i>	15.61	
			<i>For Elevated Installation >30' To 35', Add</i>	17.84	
			<i>For Elevated Installation >35' To 40', Add</i>	22.30	
			<i>For Elevated Installation >40', Add</i>	24.53	
26 05 33	13-0775	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	94.52	21.62
			<i>For Work In Restricted Working Space, Add</i>	16.22	
			<i>For Elevated Installation >10' To 15', Add</i>	5.41	
			<i>For Elevated Installation >15' To 20', Add</i>	10.81	
			<i>For Elevated Installation >20' To 25', Add</i>	13.51	
			<i>For Elevated Installation >25' To 30', Add</i>	18.92	
			<i>For Elevated Installation >30' To 35', Add</i>	21.62	
			<i>For Elevated Installation >35' To 40', Add</i>	27.03	
			<i>For Elevated Installation >40', Add</i>	29.73	
26 05 33	13-0776	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	116.95	27.03
			<i>For Work In Restricted Working Space, Add</i>	20.27	
			<i>For Elevated Installation >10' To 15', Add</i>	6.76	
			<i>For Elevated Installation >15' To 20', Add</i>	13.51	
			<i>For Elevated Installation >20' To 25', Add</i>	16.89	
			<i>For Elevated Installation >25' To 30', Add</i>	23.65	
			<i>For Elevated Installation >30' To 35', Add</i>	27.03	
			<i>For Elevated Installation >35' To 40', Add</i>	33.79	
			<i>For Elevated Installation >40', Add</i>	37.16	
26 05 33	13-0777	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	140.50	32.44
			<i>For Work In Restricted Working Space, Add</i>	24.33	
			<i>For Elevated Installation >10' To 15', Add</i>	8.11	
			<i>For Elevated Installation >15' To 20', Add</i>	16.22	
			<i>For Elevated Installation >20' To 25', Add</i>	20.27	
			<i>For Elevated Installation >25' To 30', Add</i>	28.38	
			<i>For Elevated Installation >30' To 35', Add</i>	32.44	
			<i>For Elevated Installation >35' To 40', Add</i>	40.55	
			<i>For Elevated Installation >40', Add</i>	44.60	
26 05 33	13-0778	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	158.38	35.13
			<i>For Work In Restricted Working Space, Add</i>	26.35	
			<i>For Elevated Installation >10' To 15', Add</i>	8.78	
			<i>For Elevated Installation >15' To 20', Add</i>	17.57	
			<i>For Elevated Installation >20' To 25', Add</i>	21.96	
			<i>For Elevated Installation >25' To 30', Add</i>	30.74	
			<i>For Elevated Installation >30' To 35', Add</i>	35.14	
			<i>For Elevated Installation >35' To 40', Add</i>	43.92	
			<i>For Elevated Installation >40', Add</i>	48.31	
26 05 33	13-0779		Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs <small>(26 05 33 13-0723)</small>		
26 05 33	13-0780	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	29.79	10.81
			<i>For Work In Restricted Working Space, Add</i>	8.11	
			<i>For Elevated Installation >10' To 15', Add</i>	2.70	
			<i>For Elevated Installation >15' To 20', Add</i>	5.41	
			<i>For Elevated Installation >20' To 25', Add</i>	6.76	
			<i>For Elevated Installation >25' To 30', Add</i>	9.46	
			<i>For Elevated Installation >30' To 35', Add</i>	10.82	
			<i>For Elevated Installation >35' To 40', Add</i>	13.52	
			<i>For Elevated Installation >40', Add</i>	14.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.11	
26 05 33	13-0781	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	37.90	13.52
			<i>For Work In Restricted Working Space, Add</i>	10.13	
			<i>For Elevated Installation >10' To 15', Add</i>	3.38	
			<i>For Elevated Installation >15' To 20', Add</i>	6.76	
			<i>For Elevated Installation >20' To 25', Add</i>	8.45	
			<i>For Elevated Installation >25' To 30', Add</i>	11.82	
			<i>For Elevated Installation >30' To 35', Add</i>	13.51	
			<i>For Elevated Installation >35' To 40', Add</i>	16.89	
			<i>For Elevated Installation >40', Add</i>	18.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 33	13-0782	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	46.63	16.21
			<i>For Work In Restricted Working Space, Add</i>	12.16	
			<i>For Elevated Installation >10' To 15', Add</i>	4.05	
			<i>For Elevated Installation >15' To 20', Add</i>	8.11	
			<i>For Elevated Installation >20' To 25', Add</i>	10.14	
			<i>For Elevated Installation >25' To 30', Add</i>	14.19	
			<i>For Elevated Installation >30' To 35', Add</i>	16.22	
			<i>For Elevated Installation >35' To 40', Add</i>	20.27	
			<i>For Elevated Installation >40', Add</i>	22.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0783 EA 1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	55.92	18.92
For Work In Restricted Working Space, Add	14.19	
For Elevated Installation >10' To 15', Add	4.73	
For Elevated Installation >15' To 20', Add	9.46	
For Elevated Installation >20' To 25', Add	11.83	
For Elevated Installation >25' To 30', Add	16.56	
For Elevated Installation >30' To 35', Add	18.92	
For Elevated Installation >35' To 40', Add	23.66	
For Elevated Installation >40', Add	26.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.19	
26 05 33 13-0784 EA 1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	65.15	21.62
For Work In Restricted Working Space, Add	16.22	
For Elevated Installation >10' To 15', Add	5.41	
For Elevated Installation >15' To 20', Add	10.81	
For Elevated Installation >20' To 25', Add	13.51	
For Elevated Installation >25' To 30', Add	18.92	
For Elevated Installation >30' To 35', Add	21.62	
For Elevated Installation >35' To 40', Add	27.03	
For Elevated Installation >40', Add	29.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.22	
26 05 33 13-0785 EA 2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	76.85	24.32
For Work In Restricted Working Space, Add	18.24	
For Elevated Installation >10' To 15', Add	6.08	
For Elevated Installation >15' To 20', Add	12.16	
For Elevated Installation >20' To 25', Add	15.20	
For Elevated Installation >25' To 30', Add	21.28	
For Elevated Installation >30' To 35', Add	24.32	
For Elevated Installation >35' To 40', Add	30.41	
For Elevated Installation >40', Add	33.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.24	
26 05 33 13-0786 EA 2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	94.45	27.03
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 33 13-0787 EA 3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	110.52	29.73
For Work In Restricted Working Space, Add	22.30	
For Elevated Installation >10' To 15', Add	7.43	
For Elevated Installation >15' To 20', Add	14.86	
For Elevated Installation >20' To 25', Add	18.58	
For Elevated Installation >25' To 30', Add	26.01	
For Elevated Installation >30' To 35', Add	29.73	
For Elevated Installation >35' To 40', Add	37.16	
For Elevated Installation >40', Add	40.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.30	
26 05 33 13-0788 EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	134.77	35.13
For Work In Restricted Working Space, Add	26.35	
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.35	
26 05 33 13-0789 EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	153.81	37.84
For Work In Restricted Working Space, Add	28.38	
For Elevated Installation >10' To 15', Add	9.46	
For Elevated Installation >15' To 20', Add	18.92	
For Elevated Installation >20' To 25', Add	23.65	
For Elevated Installation >25' To 30', Add	33.11	
For Elevated Installation >30' To 35', Add	37.84	
For Elevated Installation >35' To 40', Add	47.30	
For Elevated Installation >40', Add	52.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.38	
26 05 33 13-0790 Intermediate Metal Conduit (IMC) Expansion Fittings <small>(26 05 33 13-0723)</small>		
26 05 33 13-0791 EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	172.87	21.62
For Work In Restricted Working Space, Add	16.22	
For Elevated Installation >10' To 15', Add	5.41	
For Elevated Installation >15' To 20', Add	10.81	
For Elevated Installation >20' To 25', Add	13.52	
For Elevated Installation >25' To 30', Add	18.92	
For Elevated Installation >30' To 35', Add	21.62	
For Elevated Installation >35' To 40', Add	27.03	
For Elevated Installation >40', Add	29.73	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0792	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	191.50 18.24 6.08 12.16 15.20 21.28 24.32 30.41 33.45	24.32
26 05 33	13-0793	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	212.83 20.27 6.76 13.52 16.90 23.65 27.03 33.79 37.17	27.03
26 05 33	13-0794	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	255.52 22.30 7.43 14.87 18.58 26.02 29.73 37.17 40.88	29.73
26 05 33	13-0795	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	310.91 24.32 8.11 16.22 20.27 28.38 32.43 40.54 44.59	32.44
26 05 33	13-0796	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	404.76 26.35 8.78 17.57 21.96 30.74 35.13 43.92 48.31	35.13
26 05 33	13-0797	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	605.93 32.43 10.81 21.62 27.03 37.84 43.24 54.06 59.46	43.25
26 05 33	13-0798	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	729.57 40.54 13.51 27.03 33.79 47.30 54.06 67.57 74.33	54.05
26 05 33	13-0799	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	1,011.40 48.66 16.22 32.44 40.55 56.77 64.88 81.10 89.20	64.87
26 05 33	13-0800	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	1,167.15 52.70 17.57 35.13 43.92 61.48 70.27 87.84 96.62	70.28

26 05 33 13-0801 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0723)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0802 EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	113.29	33.78
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 33 13-0803 EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	134.78	40.54
For Work In Restricted Working Space, Add	24.33	
For Elevated Installation >10' To 15', Add	8.11	
For Elevated Installation >15' To 20', Add	16.22	
For Elevated Installation >20' To 25', Add	20.27	
For Elevated Installation >25' To 30', Add	28.38	
For Elevated Installation >30' To 35', Add	32.44	
For Elevated Installation >35' To 40', Add	40.55	
For Elevated Installation >40', Add	44.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.33	
26 05 33 13-0804 EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	163.61	47.30
For Work In Restricted Working Space, Add	28.38	
For Elevated Installation >10' To 15', Add	9.46	
For Elevated Installation >15' To 20', Add	18.92	
For Elevated Installation >20' To 25', Add	23.65	
For Elevated Installation >25' To 30', Add	33.11	
For Elevated Installation >30' To 35', Add	37.84	
For Elevated Installation >35' To 40', Add	47.30	
For Elevated Installation >40', Add	52.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.38	
26 05 33 13-0805 EA 1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	191.91	54.05
For Work In Restricted Working Space, Add	32.43	
For Elevated Installation >10' To 15', Add	10.81	
For Elevated Installation >15' To 20', Add	21.62	
For Elevated Installation >20' To 25', Add	27.03	
For Elevated Installation >25' To 30', Add	37.84	
For Elevated Installation >30' To 35', Add	43.24	
For Elevated Installation >35' To 40', Add	54.06	
For Elevated Installation >40', Add	59.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.43	
26 05 33 13-0806 EA 1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	247.79	60.82
For Work In Restricted Working Space, Add	36.49	
For Elevated Installation >10' To 15', Add	12.16	
For Elevated Installation >15' To 20', Add	24.32	
For Elevated Installation >20' To 25', Add	30.41	
For Elevated Installation >25' To 30', Add	42.57	
For Elevated Installation >30' To 35', Add	48.65	
For Elevated Installation >35' To 40', Add	60.81	
For Elevated Installation >40', Add	66.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.49	
26 05 33 13-0807 EA 2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	298.60	67.57
For Work In Restricted Working Space, Add	40.54	
For Elevated Installation >10' To 15', Add	13.51	
For Elevated Installation >15' To 20', Add	27.03	
For Elevated Installation >20' To 25', Add	33.79	
For Elevated Installation >25' To 30', Add	47.30	
For Elevated Installation >30' To 35', Add	54.06	
For Elevated Installation >35' To 40', Add	67.57	
For Elevated Installation >40', Add	74.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.54	
26 05 33 13-0808 EA 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	416.14	81.09
For Work In Restricted Working Space, Add	48.65	
For Elevated Installation >10' To 15', Add	16.22	
For Elevated Installation >15' To 20', Add	32.43	
For Elevated Installation >20' To 25', Add	40.54	
For Elevated Installation >25' To 30', Add	56.76	
For Elevated Installation >30' To 35', Add	64.87	
For Elevated Installation >35' To 40', Add	81.09	
For Elevated Installation >40', Add	89.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.65	
26 05 33 13-0809 EA 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	499.43	94.60
For Work In Restricted Working Space, Add	56.76	
For Elevated Installation >10' To 15', Add	18.92	
For Elevated Installation >15' To 20', Add	37.84	
For Elevated Installation >20' To 25', Add	47.30	
For Elevated Installation >25' To 30', Add	66.22	
For Elevated Installation >30' To 35', Add	75.68	
For Elevated Installation >35' To 40', Add	94.60	
For Elevated Installation >40', Add	104.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.76	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0810	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,110.97	108.11
			<i>For Work In Restricted Working Space, Add</i>	64.87	
			<i>For Elevated Installation >10' To 15', Add</i>	21.62	
			<i>For Elevated Installation >15' To 20', Add</i>	43.25	
			<i>For Elevated Installation >20' To 25', Add</i>	54.06	
			<i>For Elevated Installation >25' To 30', Add</i>	75.68	
			<i>For Elevated Installation >30' To 35', Add</i>	86.49	
			<i>For Elevated Installation >35' To 40', Add</i>	108.12	
			<i>For Elevated Installation >40', Add</i>	118.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.87	
26 05 33	13-0811	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,278.79	121.62
			<i>For Work In Restricted Working Space, Add</i>	72.98	
			<i>For Elevated Installation >10' To 15', Add</i>	24.33	
			<i>For Elevated Installation >15' To 20', Add</i>	48.65	
			<i>For Elevated Installation >20' To 25', Add</i>	60.82	
			<i>For Elevated Installation >25' To 30', Add</i>	85.14	
			<i>For Elevated Installation >30' To 35', Add</i>	97.30	
			<i>For Elevated Installation >35' To 40', Add</i>	121.63	
			<i>For Elevated Installation >40', Add</i>	133.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.98	
26 05 33 13-0812 Intermediate Metal Conduit (IMC) Threaded Couplings <small>(26 05 33 13-0723)</small>					
26 05 33	13-0813	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	17.77	6.48
			<i>For Work In Restricted Working Space, Add</i>	4.86	
			<i>For Elevated Installation >10' To 15', Add</i>	1.62	
			<i>For Elevated Installation >15' To 20', Add</i>	3.24	
			<i>For Elevated Installation >20' To 25', Add</i>	4.05	
			<i>For Elevated Installation >25' To 30', Add</i>	5.67	
			<i>For Elevated Installation >30' To 35', Add</i>	6.48	
			<i>For Elevated Installation >35' To 40', Add</i>	8.11	
			<i>For Elevated Installation >40', Add</i>	8.92	
26 05 33	13-0814	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	24.88	9.19
			<i>For Work In Restricted Working Space, Add</i>	6.90	
			<i>For Elevated Installation >10' To 15', Add</i>	2.30	
			<i>For Elevated Installation >15' To 20', Add</i>	4.60	
			<i>For Elevated Installation >20' To 25', Add</i>	5.75	
			<i>For Elevated Installation >25' To 30', Add</i>	8.05	
			<i>For Elevated Installation >30' To 35', Add</i>	9.20	
			<i>For Elevated Installation >35' To 40', Add</i>	11.50	
			<i>For Elevated Installation >40', Add</i>	12.64	
26 05 33	13-0815	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	32.53	11.89
			<i>For Work In Restricted Working Space, Add</i>	8.91	
			<i>For Elevated Installation >10' To 15', Add</i>	2.97	
			<i>For Elevated Installation >15' To 20', Add</i>	5.94	
			<i>For Elevated Installation >20' To 25', Add</i>	7.43	
			<i>For Elevated Installation >25' To 30', Add</i>	10.40	
			<i>For Elevated Installation >30' To 35', Add</i>	11.88	
			<i>For Elevated Installation >35' To 40', Add</i>	14.86	
			<i>For Elevated Installation >40', Add</i>	16.34	
26 05 33	13-0816	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	37.32	13.52
			<i>For Work In Restricted Working Space, Add</i>	10.14	
			<i>For Elevated Installation >10' To 15', Add</i>	3.38	
			<i>For Elevated Installation >15' To 20', Add</i>	6.76	
			<i>For Elevated Installation >20' To 25', Add</i>	8.45	
			<i>For Elevated Installation >25' To 30', Add</i>	11.83	
			<i>For Elevated Installation >30' To 35', Add</i>	13.52	
			<i>For Elevated Installation >35' To 40', Add</i>	16.90	
			<i>For Elevated Installation >40', Add</i>	18.58	
26 05 33	13-0817	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	44.98	16.21
			<i>For Work In Restricted Working Space, Add</i>	12.16	
			<i>For Elevated Installation >10' To 15', Add</i>	4.05	
			<i>For Elevated Installation >15' To 20', Add</i>	8.10	
			<i>For Elevated Installation >20' To 25', Add</i>	10.13	
			<i>For Elevated Installation >25' To 30', Add</i>	14.18	
			<i>For Elevated Installation >30' To 35', Add</i>	16.21	
			<i>For Elevated Installation >35' To 40', Add</i>	20.26	
			<i>For Elevated Installation >40', Add</i>	22.29	
26 05 33	13-0818	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	51.84	18.38
			<i>For Work In Restricted Working Space, Add</i>	13.79	
			<i>For Elevated Installation >10' To 15', Add</i>	4.60	
			<i>For Elevated Installation >15' To 20', Add</i>	9.19	
			<i>For Elevated Installation >20' To 25', Add</i>	11.49	
			<i>For Elevated Installation >25' To 30', Add</i>	16.09	
			<i>For Elevated Installation >30' To 35', Add</i>	18.39	
			<i>For Elevated Installation >35' To 40', Add</i>	22.99	
			<i>For Elevated Installation >40', Add</i>	25.28	
26 05 33	13-0819	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	64.34	20.54
			<i>For Work In Restricted Working Space, Add</i>	15.40	
			<i>For Elevated Installation >10' To 15', Add</i>	5.13	
			<i>For Elevated Installation >15' To 20', Add</i>	10.27	
			<i>For Elevated Installation >20' To 25', Add</i>	12.84	
			<i>For Elevated Installation >25' To 30', Add</i>	17.97	
			<i>For Elevated Installation >30' To 35', Add</i>	20.54	
			<i>For Elevated Installation >35' To 40', Add</i>	25.67	
			<i>For Elevated Installation >40', Add</i>	28.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0820 EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling	75.87	23.25
<i>For Work In Restricted Working Space, Add</i>	17.44	
<i>For Elevated Installation >10' To 15', Add</i>	5.81	
<i>For Elevated Installation >15' To 20', Add</i>	11.62	
<i>For Elevated Installation >20' To 25', Add</i>	14.53	
<i>For Elevated Installation >25' To 30', Add</i>	20.34	
<i>For Elevated Installation >30' To 35', Add</i>	23.25	
<i>For Elevated Installation >35' To 40', Add</i>	29.06	
<i>For Elevated Installation >40', Add</i>	31.97	
26 05 33 13-0821 EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	87.26	25.40
<i>For Work In Restricted Working Space, Add</i>	19.06	
<i>For Elevated Installation >10' To 15', Add</i>	6.35	
<i>For Elevated Installation >15' To 20', Add</i>	12.71	
<i>For Elevated Installation >20' To 25', Add</i>	15.88	
<i>For Elevated Installation >25' To 30', Add</i>	22.24	
<i>For Elevated Installation >30' To 35', Add</i>	25.41	
<i>For Elevated Installation >35' To 40', Add</i>	31.77	
<i>For Elevated Installation >40', Add</i>	34.94	
26 05 33 13-0822 EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling	91.46	27.03
<i>For Work In Restricted Working Space, Add</i>	20.27	
<i>For Elevated Installation >10' To 15', Add</i>	6.76	
<i>For Elevated Installation >15' To 20', Add</i>	13.51	
<i>For Elevated Installation >20' To 25', Add</i>	16.89	
<i>For Elevated Installation >25' To 30', Add</i>	23.64	
<i>For Elevated Installation >30' To 35', Add</i>	27.02	
<i>For Elevated Installation >35' To 40', Add</i>	33.78	
<i>For Elevated Installation >40', Add</i>	37.15	
26 05 33 13-0823 Intermediate Metal Conduit (IMC) Reducer Bushings <small>(26 05 33 13-0723)</small>		
26 05 33 13-0824 EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	8.50	2.71
<i>For Work In Restricted Working Space, Add</i>	2.03	
<i>For Elevated Installation >10' To 15', Add</i>	0.68	
<i>For Elevated Installation >15' To 20', Add</i>	1.35	
<i>For Elevated Installation >20' To 25', Add</i>	1.69	
<i>For Elevated Installation >25' To 30', Add</i>	2.36	
<i>For Elevated Installation >30' To 35', Add</i>	2.70	
<i>For Elevated Installation >35' To 40', Add</i>	3.38	
<i>For Elevated Installation >40', Add</i>	3.71	
26 05 33 13-0825 EA 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	9.50	2.71
<i>For Work In Restricted Working Space, Add</i>	2.03	
<i>For Elevated Installation >10' To 15', Add</i>	0.68	
<i>For Elevated Installation >15' To 20', Add</i>	1.35	
<i>For Elevated Installation >20' To 25', Add</i>	1.69	
<i>For Elevated Installation >25' To 30', Add</i>	2.36	
<i>For Elevated Installation >30' To 35', Add</i>	2.70	
<i>For Elevated Installation >35' To 40', Add</i>	3.38	
<i>For Elevated Installation >40', Add</i>	3.71	
26 05 33 13-0826 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0058)</small>		
<small>Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</small>		
26 05 33 13-0827 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0826)</small>		
<small>Note: Includes field bending for conduit up to 1".</small>		
26 05 33 13-0828 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	14.98	3.79
<i>For >250 To 500, Deduct</i>	-0.51	
<i>For >500 To 1,000, Deduct</i>	-0.89	
<i>For >1,000, Deduct</i>	-1.26	
<i>For Elevated Installation >10' To 15', Add</i>	0.95	
<i>For Elevated Installation >15' To 20', Add</i>	1.89	
<i>For Elevated Installation >20' To 25', Add</i>	2.37	
<i>For Elevated Installation >25' To 30', Add</i>	3.31	
<i>For Elevated Installation >30' To 35', Add</i>	3.78	
<i>For Elevated Installation >35' To 40', Add</i>	4.73	
<i>For Elevated Installation >40', Add</i>	5.20	
<i>For Work In Restricted Working Space, Add</i>	2.84	
26 05 33 13-0829 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	17.20	4.33
<i>For >250 To 500, Deduct</i>	-0.59	
<i>For >500 To 1,000, Deduct</i>	-1.02	
<i>For >1,000, Deduct</i>	-1.45	
<i>For Elevated Installation >10' To 15', Add</i>	1.08	
<i>For Elevated Installation >15' To 20', Add</i>	2.16	
<i>For Elevated Installation >20' To 25', Add</i>	2.70	
<i>For Elevated Installation >25' To 30', Add</i>	3.78	
<i>For Elevated Installation >30' To 35', Add</i>	4.32	
<i>For Elevated Installation >35' To 40', Add</i>	5.41	
<i>For Elevated Installation >40', Add</i>	5.95	
<i>For Work In Restricted Working Space, Add</i>	3.24	

26 Electrical
26 05 Common Work Results for Electrical
26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0830	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	21.79	5.40
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500 To 1,000, Deduct</i>	-1.30	
			<i>For >1,000, Deduct</i>	-1.84	
			<i>For Elevated Installation >10' To 15', Add</i>	1.35	
			<i>For Elevated Installation >15' To 20', Add</i>	2.70	
			<i>For Elevated Installation >20' To 25', Add</i>	3.38	
			<i>For Elevated Installation >25' To 30', Add</i>	4.73	
			<i>For Elevated Installation >30' To 35', Add</i>	5.41	
			<i>For Elevated Installation >35' To 40', Add</i>	6.76	
			<i>For Elevated Installation >40', Add</i>	7.44	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
26 05 33	13-0831	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	26.70	6.48
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500 To 1,000, Deduct</i>	-1.60	
			<i>For >1,000, Deduct</i>	-2.26	
			<i>For Elevated Installation >10' To 15', Add</i>	1.62	
			<i>For Elevated Installation >15' To 20', Add</i>	3.24	
			<i>For Elevated Installation >20' To 25', Add</i>	4.05	
			<i>For Elevated Installation >25' To 30', Add</i>	5.67	
			<i>For Elevated Installation >30' To 35', Add</i>	6.48	
			<i>For Elevated Installation >35' To 40', Add</i>	8.11	
			<i>For Elevated Installation >40', Add</i>	8.92	
			<i>For Work In Restricted Working Space, Add</i>	4.86	
26 05 33	13-0832	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	33.02	8.11
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500 To 1,000, Deduct</i>	-1.97	
			<i>For >1,000, Deduct</i>	-2.80	
			<i>For Elevated Installation >10' To 15', Add</i>	2.03	
			<i>For Elevated Installation >15' To 20', Add</i>	4.05	
			<i>For Elevated Installation >20' To 25', Add</i>	5.07	
			<i>For Elevated Installation >25' To 30', Add</i>	7.09	
			<i>For Elevated Installation >30' To 35', Add</i>	8.11	
			<i>For Elevated Installation >35' To 40', Add</i>	10.14	
			<i>For Elevated Installation >40', Add</i>	11.15	
			<i>For Work In Restricted Working Space, Add</i>	6.08	
26 05 33	13-0833	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	40.94	9.73
			<i>For >250 To 500, Deduct</i>	-1.44	
			<i>For >500 To 1,000, Deduct</i>	-2.46	
			<i>For >1,000, Deduct</i>	-3.49	
			<i>For Elevated Installation >10' To 15', Add</i>	2.43	
			<i>For Elevated Installation >15' To 20', Add</i>	4.86	
			<i>For Elevated Installation >20' To 25', Add</i>	6.08	
			<i>For Elevated Installation >25' To 30', Add</i>	8.51	
			<i>For Elevated Installation >30' To 35', Add</i>	9.73	
			<i>For Elevated Installation >35' To 40', Add</i>	12.16	
			<i>For Elevated Installation >40', Add</i>	13.38	
			<i>For Work In Restricted Working Space, Add</i>	7.30	
26 05 33	13-0834	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	53.58	11.35
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500 To 1,000, Deduct</i>	-3.31	
			<i>For >1,000, Deduct</i>	-4.65	
			<i>For Elevated Installation >10' To 15', Add</i>	2.84	
			<i>For Elevated Installation >15' To 20', Add</i>	5.68	
			<i>For Elevated Installation >20' To 25', Add</i>	7.10	
			<i>For Elevated Installation >25' To 30', Add</i>	9.93	
			<i>For Elevated Installation >30' To 35', Add</i>	11.35	
			<i>For Elevated Installation >35' To 40', Add</i>	14.19	
			<i>For Elevated Installation >40', Add</i>	15.61	
			<i>For Work In Restricted Working Space, Add</i>	8.51	
26 05 33	13-0835	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	66.91	14.06
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500 To 1,000, Deduct</i>	-4.14	
			<i>For >1,000, Deduct</i>	-5.81	
			<i>For Elevated Installation >10' To 15', Add</i>	3.51	
			<i>For Elevated Installation >15' To 20', Add</i>	7.03	
			<i>For Elevated Installation >20' To 25', Add</i>	8.78	
			<i>For Elevated Installation >25' To 30', Add</i>	12.30	
			<i>For Elevated Installation >30' To 35', Add</i>	14.05	
			<i>For Elevated Installation >35' To 40', Add</i>	17.57	
			<i>For Elevated Installation >40', Add</i>	19.32	
			<i>For Work In Restricted Working Space, Add</i>	10.54	
26 05 33	13-0836	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	82.12	17.30
			<i>For >250 To 500, Deduct</i>	-3.02	
			<i>For >500 To 1,000, Deduct</i>	-5.08	
			<i>For >1,000, Deduct</i>	-7.13	
			<i>For Elevated Installation >10' To 15', Add</i>	4.33	
			<i>For Elevated Installation >15' To 20', Add</i>	8.65	
			<i>For Elevated Installation >20' To 25', Add</i>	10.81	
			<i>For Elevated Installation >25' To 30', Add</i>	15.14	
			<i>For Elevated Installation >30' To 35', Add</i>	17.30	
			<i>For Elevated Installation >35' To 40', Add</i>	21.63	
			<i>For Elevated Installation >40', Add</i>	23.79	
			<i>For Work In Restricted Working Space, Add</i>	12.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0837 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	97.18	20.54
For >250 To 500, Deduct	-3.58	
For >500 To 1,000, Deduct	-6.00	
For >1,000, Deduct	-8.43	
For Elevated Installation >10' To 15', Add	5.14	
For Elevated Installation >15' To 20', Add	10.27	
For Elevated Installation >20' To 25', Add	12.84	
For Elevated Installation >25' To 30', Add	17.98	
For Elevated Installation >30' To 35', Add	20.54	
For Elevated Installation >35' To 40', Add	25.68	
For Elevated Installation >40', Add	28.25	
For Work In Restricted Working Space, Add	15.41	
26 05 33 13-0838 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	142.03	24.32
For >250 To 500, Deduct	-5.58	
For >500 To 1,000, Deduct	-9.13	
For >1,000, Deduct	-12.68	
For Elevated Installation >10' To 15', Add	6.08	
For Elevated Installation >15' To 20', Add	12.16	
For Elevated Installation >20' To 25', Add	15.21	
For Elevated Installation >25' To 30', Add	21.29	
For Elevated Installation >30' To 35', Add	24.33	
For Elevated Installation >35' To 40', Add	30.41	
For Elevated Installation >40', Add	33.45	
For Work In Restricted Working Space, Add	18.25	
26 05 33 13-0839 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	192.38	32.44
For >250 To 500, Deduct	-7.59	
For >500 To 1,000, Deduct	-12.40	
For >1,000, Deduct	-17.21	
For Elevated Installation >10' To 15', Add	8.11	
For Elevated Installation >15' To 20', Add	16.22	
For Elevated Installation >20' To 25', Add	20.27	
For Elevated Installation >25' To 30', Add	28.38	
For Elevated Installation >30' To 35', Add	32.44	
For Elevated Installation >35' To 40', Add	40.55	
For Elevated Installation >40', Add	44.60	
For Work In Restricted Working Space, Add	24.33	
26 05 33 13-0840 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings <small>(26 05 33 13-0826)</small>		
26 05 33 13-0841 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	22.03	8.11
For Elevated Installation >10' To 15', Add	1.62	
For Elevated Installation >15' To 20', Add	3.24	
For Elevated Installation >20' To 25', Add	4.05	
For Elevated Installation >25' To 30', Add	5.67	
For Elevated Installation >30' To 35', Add	6.48	
For Elevated Installation >35' To 40', Add	8.11	
For Elevated Installation >40', Add	8.92	
For Work In Restricted Working Space, Add	4.86	
26 05 33 13-0842 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	29.09	11.48
For Elevated Installation >10' To 15', Add	2.30	
For Elevated Installation >15' To 20', Add	4.60	
For Elevated Installation >20' To 25', Add	5.75	
For Elevated Installation >25' To 30', Add	8.04	
For Elevated Installation >30' To 35', Add	9.19	
For Elevated Installation >35' To 40', Add	11.49	
For Elevated Installation >40', Add	12.64	
For Work In Restricted Working Space, Add	6.89	
26 05 33 13-0843 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	37.65	14.86
For Elevated Installation >10' To 15', Add	2.97	
For Elevated Installation >15' To 20', Add	5.95	
For Elevated Installation >20' To 25', Add	7.43	
For Elevated Installation >25' To 30', Add	10.41	
For Elevated Installation >30' To 35', Add	11.89	
For Elevated Installation >35' To 40', Add	14.87	
For Elevated Installation >40', Add	16.35	
For Work In Restricted Working Space, Add	8.92	
26 05 33 13-0844 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	43.02	16.90
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.76	
For Elevated Installation >20' To 25', Add	8.45	
For Elevated Installation >25' To 30', Add	11.82	
For Elevated Installation >30' To 35', Add	13.51	
For Elevated Installation >35' To 40', Add	16.89	
For Elevated Installation >40', Add	18.58	
For Work In Restricted Working Space, Add	10.13	
26 05 33 13-0845 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	51.52	20.27
For Elevated Installation >10' To 15', Add	4.05	
For Elevated Installation >15' To 20', Add	8.11	
For Elevated Installation >20' To 25', Add	10.14	
For Elevated Installation >25' To 30', Add	14.19	
For Elevated Installation >30' To 35', Add	16.22	
For Elevated Installation >35' To 40', Add	20.27	
For Elevated Installation >40', Add	22.30	
For Work In Restricted Working Space, Add	12.16	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0846 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	62.03	22.98
For Elevated Installation >10' To 15', Add	4.60	
For Elevated Installation >15' To 20', Add	9.19	
For Elevated Installation >20' To 25', Add	11.49	
For Elevated Installation >25' To 30', Add	16.08	
For Elevated Installation >30' To 35', Add	18.38	
For Elevated Installation >35' To 40', Add	22.98	
For Elevated Installation >40', Add	25.27	
For Work In Restricted Working Space, Add	13.79	
26 05 33 13-0847 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	91.15	22.98
For Elevated Installation >10' To 15', Add	5.14	
For Elevated Installation >15' To 20', Add	10.27	
For Elevated Installation >20' To 25', Add	12.84	
For Elevated Installation >25' To 30', Add	17.98	
For Elevated Installation >30' To 35', Add	20.54	
For Elevated Installation >35' To 40', Add	25.68	
For Elevated Installation >40', Add	28.25	
For Work In Restricted Working Space, Add	15.41	
26 05 33 13-0848 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	106.43	31.76
For Elevated Installation >10' To 15', Add	5.81	
For Elevated Installation >15' To 20', Add	11.62	
For Elevated Installation >20' To 25', Add	14.53	
For Elevated Installation >25' To 30', Add	20.34	
For Elevated Installation >30' To 35', Add	23.24	
For Elevated Installation >35' To 40', Add	29.06	
For Elevated Installation >40', Add	31.96	
For Work In Restricted Working Space, Add	17.43	
26 05 33 13-0849 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	125.51	31.76
For Elevated Installation >10' To 15', Add	6.35	
For Elevated Installation >15' To 20', Add	12.70	
For Elevated Installation >20' To 25', Add	15.88	
For Elevated Installation >25' To 30', Add	22.23	
For Elevated Installation >30' To 35', Add	25.40	
For Elevated Installation >35' To 40', Add	31.76	
For Elevated Installation >40', Add	34.93	
For Work In Restricted Working Space, Add	19.05	
26 05 33 13-0850 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	140.05	33.78
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Work In Restricted Working Space, Add	20.27	
26 05 33 13-0851 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	317.28	40.54
For Elevated Installation >10' To 15', Add	8.11	
For Elevated Installation >15' To 20', Add	16.22	
For Elevated Installation >20' To 25', Add	20.27	
For Elevated Installation >25' To 30', Add	28.38	
For Elevated Installation >30' To 35', Add	32.44	
For Elevated Installation >35' To 40', Add	40.55	
For Elevated Installation >40', Add	44.60	
For Work In Restricted Working Space, Add	24.33	
26 05 33 13-0852 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	358.45	47.30
For Elevated Installation >10' To 15', Add	9.46	
For Elevated Installation >15' To 20', Add	18.92	
For Elevated Installation >20' To 25', Add	23.65	
For Elevated Installation >25' To 30', Add	33.11	
For Elevated Installation >30' To 35', Add	37.84	
For Elevated Installation >35' To 40', Add	47.30	
For Elevated Installation >40', Add	52.03	
For Work In Restricted Working Space, Add	28.38	
26 05 33 13-0853 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows <small>(26 05 33 13-0826)</small>		
Note: 90, 45, or 30 degree.		
26 05 33 13-0854 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	64.33	21.96
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.98	
For Elevated Installation >25' To 30', Add	15.37	
For Elevated Installation >30' To 35', Add	17.57	
For Elevated Installation >35' To 40', Add	21.96	
For Elevated Installation >40', Add	24.16	
For Work In Restricted Working Space, Add	13.18	
26 05 33 13-0855 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	75.65	27.23
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.89	
For Elevated Installation >20' To 25', Add	13.62	
For Elevated Installation >25' To 30', Add	19.06	
For Elevated Installation >30' To 35', Add	21.78	
For Elevated Installation >35' To 40', Add	27.23	
For Elevated Installation >40', Add	29.95	
For Work In Restricted Working Space, Add	16.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0856 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	91.06	33.38
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
For Work In Restricted Working Space, Add	20.03	
26 05 33 13-0857 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	107.17	38.65
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Work In Restricted Working Space, Add	23.19	
26 05 33 13-0858 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	124.54	43.92
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
For Work In Restricted Working Space, Add	26.35	
26 05 33 13-0859 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	147.84	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
For Work In Restricted Working Space, Add	28.99	
26 05 33 13-0860 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	217.72	60.61
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
For Work In Restricted Working Space, Add	36.37	
26 05 33 13-0861 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	319.35	82.57
For Elevated Installation >10' To 15', Add	16.51	
For Elevated Installation >15' To 20', Add	33.03	
For Elevated Installation >20' To 25', Add	41.29	
For Elevated Installation >25' To 30', Add	57.80	
For Elevated Installation >30' To 35', Add	66.06	
For Elevated Installation >35' To 40', Add	82.57	
For Elevated Installation >40', Add	90.83	
For Work In Restricted Working Space, Add	49.54	
26 05 33 13-0862 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	388.57	93.11
For Elevated Installation >10' To 15', Add	18.62	
For Elevated Installation >15' To 20', Add	37.25	
For Elevated Installation >20' To 25', Add	46.56	
For Elevated Installation >25' To 30', Add	65.18	
For Elevated Installation >30' To 35', Add	74.49	
For Elevated Installation >35' To 40', Add	93.12	
For Elevated Installation >40', Add	102.43	
For Work In Restricted Working Space, Add	55.87	
26 05 33 13-0863 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	456.34	121.22
For Elevated Installation >10' To 15', Add	24.24	
For Elevated Installation >15' To 20', Add	48.49	
For Elevated Installation >20' To 25', Add	60.61	
For Elevated Installation >25' To 30', Add	84.85	
For Elevated Installation >30' To 35', Add	96.98	
For Elevated Installation >35' To 40', Add	121.22	
For Elevated Installation >40', Add	133.34	
For Work In Restricted Working Space, Add	72.73	
26 05 33 13-0864 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	910.75	197.64
For Elevated Installation >10' To 15', Add	39.53	
For Elevated Installation >15' To 20', Add	79.06	
For Elevated Installation >20' To 25', Add	98.82	
For Elevated Installation >25' To 30', Add	138.35	
For Elevated Installation >30' To 35', Add	158.12	
For Elevated Installation >35' To 40', Add	197.65	
For Elevated Installation >40', Add	217.41	
For Work In Restricted Working Space, Add	118.59	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0865	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,422.35	296.91
			<i>For Elevated Installation >10' To 15', Add</i>	59.38	
			<i>For Elevated Installation >15' To 20', Add</i>	118.76	
			<i>For Elevated Installation >20' To 25', Add</i>	148.45	
			<i>For Elevated Installation >25' To 30', Add</i>	207.83	
			<i>For Elevated Installation >30' To 35', Add</i>	237.52	
			<i>For Elevated Installation >35' To 40', Add</i>	296.91	
			<i>For Elevated Installation >40', Add</i>	326.60	
			<i>For Work In Restricted Working Space, Add</i>	178.14	
26 05 33	13-0866		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows <small>(26 05 33 13-0826)</small>		
26 05 33	13-0867	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	139.17	33.38
			<i>For Elevated Installation >10' To 15', Add</i>	6.68	
			<i>For Elevated Installation >15' To 20', Add</i>	13.35	
			<i>For Elevated Installation >20' To 25', Add</i>	16.69	
			<i>For Elevated Installation >25' To 30', Add</i>	23.37	
			<i>For Elevated Installation >30' To 35', Add</i>	26.70	
			<i>For Elevated Installation >35' To 40', Add</i>	33.38	
			<i>For Elevated Installation >40', Add</i>	36.72	
			<i>For Work In Restricted Working Space, Add</i>	20.03	
26 05 33	13-0868	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	157.40	38.65
			<i>For Elevated Installation >10' To 15', Add</i>	7.73	
			<i>For Elevated Installation >15' To 20', Add</i>	15.46	
			<i>For Elevated Installation >20' To 25', Add</i>	19.33	
			<i>For Elevated Installation >25' To 30', Add</i>	27.06	
			<i>For Elevated Installation >30' To 35', Add</i>	30.92	
			<i>For Elevated Installation >35' To 40', Add</i>	38.65	
			<i>For Elevated Installation >40', Add</i>	42.52	
			<i>For Work In Restricted Working Space, Add</i>	23.19	
26 05 33	13-0869	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	179.54	43.92
			<i>For Elevated Installation >10' To 15', Add</i>	8.78	
			<i>For Elevated Installation >15' To 20', Add</i>	17.57	
			<i>For Elevated Installation >20' To 25', Add</i>	21.96	
			<i>For Elevated Installation >25' To 30', Add</i>	30.74	
			<i>For Elevated Installation >30' To 35', Add</i>	35.14	
			<i>For Elevated Installation >35' To 40', Add</i>	43.92	
			<i>For Elevated Installation >40', Add</i>	48.31	
			<i>For Work In Restricted Working Space, Add</i>	26.35	
26 05 33	13-0870	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	211.30	48.31
			<i>For Elevated Installation >10' To 15', Add</i>	9.66	
			<i>For Elevated Installation >15' To 20', Add</i>	19.32	
			<i>For Elevated Installation >20' To 25', Add</i>	24.16	
			<i>For Elevated Installation >25' To 30', Add</i>	33.82	
			<i>For Elevated Installation >30' To 35', Add</i>	38.65	
			<i>For Elevated Installation >35' To 40', Add</i>	48.31	
			<i>For Elevated Installation >40', Add</i>	53.14	
			<i>For Work In Restricted Working Space, Add</i>	28.99	
26 05 33	13-0871	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	289.55	60.61
			<i>For Elevated Installation >10' To 15', Add</i>	12.12	
			<i>For Elevated Installation >15' To 20', Add</i>	24.24	
			<i>For Elevated Installation >20' To 25', Add</i>	30.31	
			<i>For Elevated Installation >25' To 30', Add</i>	42.43	
			<i>For Elevated Installation >30' To 35', Add</i>	48.49	
			<i>For Elevated Installation >35' To 40', Add</i>	60.61	
			<i>For Elevated Installation >40', Add</i>	66.67	
			<i>For Work In Restricted Working Space, Add</i>	36.37	
26 05 33	13-0872		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows <small>(26 05 33 13-0826)</small>		
26 05 33	13-0873	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	152.19	33.38
			<i>For Elevated Installation >10' To 15', Add</i>	6.68	
			<i>For Elevated Installation >15' To 20', Add</i>	13.35	
			<i>For Elevated Installation >20' To 25', Add</i>	16.69	
			<i>For Elevated Installation >25' To 30', Add</i>	23.37	
			<i>For Elevated Installation >30' To 35', Add</i>	26.70	
			<i>For Elevated Installation >35' To 40', Add</i>	33.38	
			<i>For Elevated Installation >40', Add</i>	36.72	
			<i>For Work In Restricted Working Space, Add</i>	20.03	
26 05 33	13-0874	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	178.90	38.65
			<i>For Elevated Installation >10' To 15', Add</i>	7.73	
			<i>For Elevated Installation >15' To 20', Add</i>	15.46	
			<i>For Elevated Installation >20' To 25', Add</i>	19.33	
			<i>For Elevated Installation >25' To 30', Add</i>	27.06	
			<i>For Elevated Installation >30' To 35', Add</i>	30.92	
			<i>For Elevated Installation >35' To 40', Add</i>	38.65	
			<i>For Elevated Installation >40', Add</i>	42.52	
			<i>For Work In Restricted Working Space, Add</i>	23.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0875 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	194.95	43.92
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
For Work In Restricted Working Space, Add	26.35	
26 05 33 13-0876 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	244.91	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
For Work In Restricted Working Space, Add	28.99	
26 05 33 13-0877 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	321.96	60.61
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
For Work In Restricted Working Space, Add	36.37	
26 05 33 13-0878 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	415.48	82.57
For Elevated Installation >10' To 15', Add	16.51	
For Elevated Installation >15' To 20', Add	33.03	
For Elevated Installation >20' To 25', Add	41.29	
For Elevated Installation >25' To 30', Add	57.80	
For Elevated Installation >30' To 35', Add	66.06	
For Elevated Installation >35' To 40', Add	82.57	
For Elevated Installation >40', Add	90.83	
For Work In Restricted Working Space, Add	49.54	
26 05 33 13-0879 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows		
26 05 33 13-0880 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	167.74	33.38
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
For Work In Restricted Working Space, Add	20.03	
26 05 33 13-0881 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	190.09	38.65
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Work In Restricted Working Space, Add	23.19	
26 05 33 13-0882 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	214.73	43.92
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
For Work In Restricted Working Space, Add	26.35	
26 05 33 13-0883 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	256.06	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
For Work In Restricted Working Space, Add	28.99	
26 05 33 13-0884 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	359.21	60.61
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
For Work In Restricted Working Space, Add	36.37	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0885 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	459.20	82.57
For Elevated Installation >10' To 15', Add	16.51	
For Elevated Installation >15' To 20', Add	33.03	
For Elevated Installation >20' To 25', Add	41.29	
For Elevated Installation >25' To 30', Add	57.80	
For Elevated Installation >30' To 35', Add	66.06	
For Elevated Installation >35' To 40', Add	82.57	
For Elevated Installation >40', Add	90.83	
For Work In Restricted Working Space, Add	49.54	
26 05 33 13-0886 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	571.71	93.11
For Elevated Installation >10' To 15', Add	18.62	
For Elevated Installation >15' To 20', Add	37.25	
For Elevated Installation >20' To 25', Add	46.56	
For Elevated Installation >25' To 30', Add	65.18	
For Elevated Installation >30' To 35', Add	74.49	
For Elevated Installation >35' To 40', Add	93.12	
For Elevated Installation >40', Add	102.43	
For Work In Restricted Working Space, Add	55.87	
26 05 33 13-0887 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	655.85	121.22
For Elevated Installation >10' To 15', Add	24.24	
For Elevated Installation >15' To 20', Add	48.49	
For Elevated Installation >20' To 25', Add	60.61	
For Elevated Installation >25' To 30', Add	84.85	
For Elevated Installation >30' To 35', Add	96.98	
For Elevated Installation >35' To 40', Add	121.22	
For Elevated Installation >40', Add	133.34	
For Work In Restricted Working Space, Add	72.73	
26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows <small>(26 05 33 13-0826)</small>		
26 05 33 13-0889 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	194.62	33.38
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
For Work In Restricted Working Space, Add	20.03	
26 05 33 13-0890 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	216.38	38.65
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Work In Restricted Working Space, Add	23.19	
26 05 33 13-0891 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	244.57	43.92
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
For Work In Restricted Working Space, Add	26.35	
26 05 33 13-0892 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	299.04	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
For Work In Restricted Working Space, Add	28.99	
26 05 33 13-0893 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	425.87	60.61
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
For Work In Restricted Working Space, Add	36.37	
26 05 33 13-0894 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	533.29	82.57
For Elevated Installation >10' To 15', Add	16.51	
For Elevated Installation >15' To 20', Add	33.03	
For Elevated Installation >20' To 25', Add	41.29	
For Elevated Installation >25' To 30', Add	57.80	
For Elevated Installation >30' To 35', Add	66.06	
For Elevated Installation >35' To 40', Add	82.57	
For Elevated Installation >40', Add	90.83	
For Work In Restricted Working Space, Add	49.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0895 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	616.94	93.11
<i>For Elevated Installation >10' To 15', Add</i>	18.62	
<i>For Elevated Installation >15' To 20', Add</i>	37.25	
<i>For Elevated Installation >20' To 25', Add</i>	46.56	
<i>For Elevated Installation >25' To 30', Add</i>	65.18	
<i>For Elevated Installation >30' To 35', Add</i>	74.49	
<i>For Elevated Installation >35' To 40', Add</i>	93.12	
<i>For Elevated Installation >40', Add</i>	102.43	
<i>For Work In Restricted Working Space, Add</i>	55.87	
26 05 33 13-0896 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	738.90	121.22
<i>For Elevated Installation >10' To 15', Add</i>	24.24	
<i>For Elevated Installation >15' To 20', Add</i>	48.49	
<i>For Elevated Installation >20' To 25', Add</i>	60.61	
<i>For Elevated Installation >25' To 30', Add</i>	84.85	
<i>For Elevated Installation >30' To 35', Add</i>	96.98	
<i>For Elevated Installation >35' To 40', Add</i>	121.22	
<i>For Elevated Installation >40', Add</i>	133.34	
<i>For Work In Restricted Working Space, Add</i>	72.73	
26 05 33 13-0897 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows <small>(26 05 33 13-0826)</small>		
26 05 33 13-0898 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	215.53	33.38
<i>For Elevated Installation >10' To 15', Add</i>	6.68	
<i>For Elevated Installation >15' To 20', Add</i>	13.35	
<i>For Elevated Installation >20' To 25', Add</i>	16.69	
<i>For Elevated Installation >25' To 30', Add</i>	23.37	
<i>For Elevated Installation >30' To 35', Add</i>	26.70	
<i>For Elevated Installation >35' To 40', Add</i>	33.38	
<i>For Elevated Installation >40', Add</i>	36.72	
<i>For Work In Restricted Working Space, Add</i>	20.03	
26 05 33 13-0899 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	240.84	38.65
<i>For Elevated Installation >10' To 15', Add</i>	7.73	
<i>For Elevated Installation >15' To 20', Add</i>	15.46	
<i>For Elevated Installation >20' To 25', Add</i>	19.33	
<i>For Elevated Installation >25' To 30', Add</i>	27.06	
<i>For Elevated Installation >30' To 35', Add</i>	30.92	
<i>For Elevated Installation >35' To 40', Add</i>	38.65	
<i>For Elevated Installation >40', Add</i>	42.52	
<i>For Work In Restricted Working Space, Add</i>	23.19	
26 05 33 13-0900 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	273.94	43.92
<i>For Elevated Installation >10' To 15', Add</i>	8.78	
<i>For Elevated Installation >15' To 20', Add</i>	17.57	
<i>For Elevated Installation >20' To 25', Add</i>	21.96	
<i>For Elevated Installation >25' To 30', Add</i>	30.74	
<i>For Elevated Installation >30' To 35', Add</i>	35.14	
<i>For Elevated Installation >35' To 40', Add</i>	43.92	
<i>For Elevated Installation >40', Add</i>	48.31	
<i>For Work In Restricted Working Space, Add</i>	26.35	
26 05 33 13-0901 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	336.44	48.31
<i>For Elevated Installation >10' To 15', Add</i>	9.66	
<i>For Elevated Installation >15' To 20', Add</i>	19.32	
<i>For Elevated Installation >20' To 25', Add</i>	24.16	
<i>For Elevated Installation >25' To 30', Add</i>	33.82	
<i>For Elevated Installation >30' To 35', Add</i>	38.65	
<i>For Elevated Installation >35' To 40', Add</i>	48.31	
<i>For Elevated Installation >40', Add</i>	53.14	
<i>For Work In Restricted Working Space, Add</i>	28.99	
26 05 33 13-0902 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	462.24	60.61
<i>For Elevated Installation >10' To 15', Add</i>	12.12	
<i>For Elevated Installation >15' To 20', Add</i>	24.24	
<i>For Elevated Installation >20' To 25', Add</i>	30.31	
<i>For Elevated Installation >25' To 30', Add</i>	42.43	
<i>For Elevated Installation >30' To 35', Add</i>	48.49	
<i>For Elevated Installation >35' To 40', Add</i>	60.61	
<i>For Elevated Installation >40', Add</i>	66.67	
<i>For Work In Restricted Working Space, Add</i>	36.37	
26 05 33 13-0903 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	592.55	82.57
<i>For Elevated Installation >10' To 15', Add</i>	16.51	
<i>For Elevated Installation >15' To 20', Add</i>	33.03	
<i>For Elevated Installation >20' To 25', Add</i>	41.29	
<i>For Elevated Installation >25' To 30', Add</i>	57.80	
<i>For Elevated Installation >30' To 35', Add</i>	66.06	
<i>For Elevated Installation >35' To 40', Add</i>	82.57	
<i>For Elevated Installation >40', Add</i>	90.83	
<i>For Work In Restricted Working Space, Add</i>	49.54	
26 05 33 13-0904 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	726.93	93.11
<i>For Elevated Installation >10' To 15', Add</i>	18.62	
<i>For Elevated Installation >15' To 20', Add</i>	37.25	
<i>For Elevated Installation >20' To 25', Add</i>	46.56	
<i>For Elevated Installation >25' To 30', Add</i>	65.18	
<i>For Elevated Installation >30' To 35', Add</i>	74.49	
<i>For Elevated Installation >35' To 40', Add</i>	93.12	
<i>For Elevated Installation >40', Add</i>	102.43	
<i>For Work In Restricted Working Space, Add</i>	55.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0905 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	815.13	121.22
For Elevated Installation >10' To 15', Add	24.24	
For Elevated Installation >15' To 20', Add	48.49	
For Elevated Installation >20' To 25', Add	60.61	
For Elevated Installation >25' To 30', Add	84.85	
For Elevated Installation >30' To 35', Add	96.98	
For Elevated Installation >35' To 40', Add	121.22	
For Elevated Installation >40', Add	133.34	
For Work In Restricted Working Space, Add	72.73	
26 05 33 13-0906 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,355.79	197.64
For Elevated Installation >10' To 15', Add	39.53	
For Elevated Installation >15' To 20', Add	79.06	
For Elevated Installation >20' To 25', Add	98.82	
For Elevated Installation >25' To 30', Add	138.35	
For Elevated Installation >30' To 35', Add	158.12	
For Elevated Installation >35' To 40', Add	197.65	
For Elevated Installation >40', Add	217.41	
For Work In Restricted Working Space, Add	118.59	
26 05 33 13-0907 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows <small>(26 05 33 13-0926)</small>		
26 05 33 13-0908 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	242.87	33.38
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
For Work In Restricted Working Space, Add	20.03	
26 05 33 13-0909 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	270.40	38.65
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Work In Restricted Working Space, Add	23.19	
26 05 33 13-0910 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	306.14	43.92
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
For Work In Restricted Working Space, Add	26.35	
26 05 33 13-0911 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	377.93	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
For Work In Restricted Working Space, Add	28.99	
26 05 33 13-0912 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	522.85	60.61
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
For Work In Restricted Working Space, Add	36.37	
26 05 33 13-0913 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	668.06	82.57
For Elevated Installation >10' To 15', Add	16.51	
For Elevated Installation >15' To 20', Add	33.03	
For Elevated Installation >20' To 25', Add	41.29	
For Elevated Installation >25' To 30', Add	57.80	
For Elevated Installation >30' To 35', Add	66.06	
For Elevated Installation >35' To 40', Add	82.57	
For Elevated Installation >40', Add	90.83	
For Work In Restricted Working Space, Add	49.54	
26 05 33 13-0914 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	782.04	93.11
For Elevated Installation >10' To 15', Add	18.62	
For Elevated Installation >15' To 20', Add	37.25	
For Elevated Installation >20' To 25', Add	46.56	
For Elevated Installation >25' To 30', Add	65.18	
For Elevated Installation >30' To 35', Add	74.49	
For Elevated Installation >35' To 40', Add	93.12	
For Elevated Installation >40', Add	102.43	
For Work In Restricted Working Space, Add	55.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0915 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	913.54	121.22
<i>For Elevated Installation >10' To 15', Add</i>	24.24	
<i>For Elevated Installation >15' To 20', Add</i>	48.49	
<i>For Elevated Installation >20' To 25', Add</i>	60.61	
<i>For Elevated Installation >25' To 30', Add</i>	84.85	
<i>For Elevated Installation >30' To 35', Add</i>	96.98	
<i>For Elevated Installation >35' To 40', Add</i>	121.22	
<i>For Elevated Installation >40', Add</i>	133.34	
<i>For Work In Restricted Working Space, Add</i>	72.73	
26 05 33 13-0916 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,424.76	197.64
<i>For Elevated Installation >10' To 15', Add</i>	39.53	
<i>For Elevated Installation >15' To 20', Add</i>	79.06	
<i>For Elevated Installation >20' To 25', Add</i>	98.82	
<i>For Elevated Installation >25' To 30', Add</i>	138.35	
<i>For Elevated Installation >30' To 35', Add</i>	158.12	
<i>For Elevated Installation >35' To 40', Add</i>	197.65	
<i>For Elevated Installation >40', Add</i>	217.41	
<i>For Work In Restricted Working Space, Add</i>	118.59	
26 05 33 13-0917 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,967.35	296.91
<i>For Elevated Installation >10' To 15', Add</i>	59.38	
<i>For Elevated Installation >15' To 20', Add</i>	118.76	
<i>For Elevated Installation >20' To 25', Add</i>	148.45	
<i>For Elevated Installation >25' To 30', Add</i>	207.83	
<i>For Elevated Installation >30' To 35', Add</i>	237.52	
<i>For Elevated Installation >35' To 40', Add</i>	296.91	
<i>For Elevated Installation >40', Add</i>	326.60	
<i>For Work In Restricted Working Space, Add</i>	178.14	
26 05 33 13-0918 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows <small>(26 05 33 13-0826)</small>		
26 05 33 13-0919 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	280.94	33.38
<i>For Elevated Installation >10' To 15', Add</i>	6.68	
<i>For Elevated Installation >15' To 20', Add</i>	13.35	
<i>For Elevated Installation >20' To 25', Add</i>	16.69	
<i>For Elevated Installation >25' To 30', Add</i>	23.37	
<i>For Elevated Installation >30' To 35', Add</i>	26.70	
<i>For Elevated Installation >35' To 40', Add</i>	33.38	
<i>For Elevated Installation >40', Add</i>	36.72	
<i>For Work In Restricted Working Space, Add</i>	20.03	
26 05 33 13-0920 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	296.76	38.65
<i>For Elevated Installation >10' To 15', Add</i>	7.73	
<i>For Elevated Installation >15' To 20', Add</i>	15.46	
<i>For Elevated Installation >20' To 25', Add</i>	19.33	
<i>For Elevated Installation >25' To 30', Add</i>	27.06	
<i>For Elevated Installation >30' To 35', Add</i>	30.92	
<i>For Elevated Installation >35' To 40', Add</i>	38.65	
<i>For Elevated Installation >40', Add</i>	42.52	
<i>For Work In Restricted Working Space, Add</i>	23.19	
26 05 33 13-0921 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	349.23	43.92
<i>For Elevated Installation >10' To 15', Add</i>	8.78	
<i>For Elevated Installation >15' To 20', Add</i>	17.57	
<i>For Elevated Installation >20' To 25', Add</i>	21.96	
<i>For Elevated Installation >25' To 30', Add</i>	30.74	
<i>For Elevated Installation >30' To 35', Add</i>	35.14	
<i>For Elevated Installation >35' To 40', Add</i>	43.92	
<i>For Elevated Installation >40', Add</i>	48.31	
<i>For Work In Restricted Working Space, Add</i>	26.35	
26 05 33 13-0922 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	435.69	48.31
<i>For Elevated Installation >10' To 15', Add</i>	9.66	
<i>For Elevated Installation >15' To 20', Add</i>	19.33	
<i>For Elevated Installation >20' To 25', Add</i>	24.16	
<i>For Elevated Installation >25' To 30', Add</i>	33.82	
<i>For Elevated Installation >30' To 35', Add</i>	38.65	
<i>For Elevated Installation >35' To 40', Add</i>	48.32	
<i>For Elevated Installation >40', Add</i>	53.15	
<i>For Work In Restricted Working Space, Add</i>	28.99	
26 05 33 13-0923 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	604.57	60.61
<i>For Elevated Installation >10' To 15', Add</i>	12.12	
<i>For Elevated Installation >15' To 20', Add</i>	24.24	
<i>For Elevated Installation >20' To 25', Add</i>	30.31	
<i>For Elevated Installation >25' To 30', Add</i>	42.43	
<i>For Elevated Installation >30' To 35', Add</i>	48.49	
<i>For Elevated Installation >35' To 40', Add</i>	60.61	
<i>For Elevated Installation >40', Add</i>	66.67	
<i>For Work In Restricted Working Space, Add</i>	36.37	
26 05 33 13-0924 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	769.84	82.57
<i>For Elevated Installation >10' To 15', Add</i>	16.51	
<i>For Elevated Installation >15' To 20', Add</i>	33.03	
<i>For Elevated Installation >20' To 25', Add</i>	41.29	
<i>For Elevated Installation >25' To 30', Add</i>	57.80	
<i>For Elevated Installation >30' To 35', Add</i>	66.06	
<i>For Elevated Installation >35' To 40', Add</i>	82.57	
<i>For Elevated Installation >40', Add</i>	90.83	
<i>For Work In Restricted Working Space, Add</i>	49.54	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0925 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	935.26	93.11
For Elevated Installation >10' To 15', Add	18.62	
For Elevated Installation >15' To 20', Add	37.25	
For Elevated Installation >20' To 25', Add	46.56	
For Elevated Installation >25' To 30', Add	65.18	
For Elevated Installation >30' To 35', Add	74.49	
For Elevated Installation >35' To 40', Add	93.12	
For Elevated Installation >40', Add	102.43	
For Work In Restricted Working Space, Add	55.87	
26 05 33 13-0926 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,105.00	121.22
For Elevated Installation >10' To 15', Add	24.24	
For Elevated Installation >15' To 20', Add	48.49	
For Elevated Installation >20' To 25', Add	60.61	
For Elevated Installation >25' To 30', Add	84.85	
For Elevated Installation >30' To 35', Add	96.98	
For Elevated Installation >35' To 40', Add	121.22	
For Elevated Installation >40', Add	133.34	
For Work In Restricted Working Space, Add	72.73	
26 05 33 13-0927 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,649.74	197.64
For Elevated Installation >10' To 15', Add	39.53	
For Elevated Installation >15' To 20', Add	79.06	
For Elevated Installation >20' To 25', Add	98.82	
For Elevated Installation >25' To 30', Add	138.35	
For Elevated Installation >30' To 35', Add	158.12	
For Elevated Installation >35' To 40', Add	197.65	
For Elevated Installation >40', Add	217.41	
For Work In Restricted Working Space, Add	118.59	
26 05 33 13-0928 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	2,070.62	296.91
For Elevated Installation >10' To 15', Add	59.38	
For Elevated Installation >15' To 20', Add	118.76	
For Elevated Installation >20' To 25', Add	148.45	
For Elevated Installation >25' To 30', Add	207.83	
For Elevated Installation >30' To 35', Add	237.52	
For Elevated Installation >35' To 40', Add	296.91	
For Elevated Installation >40', Add	326.60	
For Work In Restricted Working Space, Add	178.14	
26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows <small>(26 05 33 13-0926)</small>		
26 05 33 13-0930 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	290.11	33.38
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
For Work In Restricted Working Space, Add	20.03	
26 05 33 13-0931 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	341.33	38.65
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Work In Restricted Working Space, Add	23.19	
26 05 33 13-0932 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	386.50	43.92
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
For Work In Restricted Working Space, Add	26.35	
26 05 33 13-0933 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	453.07	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.33	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.32	
For Elevated Installation >40', Add	53.15	
For Work In Restricted Working Space, Add	28.99	
26 05 33 13-0934 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	624.98	60.61
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
For Work In Restricted Working Space, Add	36.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0935 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	801.15	82.57
<i>For Elevated Installation >10' To 15', Add</i>	16.51	
<i>For Elevated Installation >15' To 20', Add</i>	33.03	
<i>For Elevated Installation >20' To 25', Add</i>	41.29	
<i>For Elevated Installation >25' To 30', Add</i>	57.80	
<i>For Elevated Installation >30' To 35', Add</i>	66.06	
<i>For Elevated Installation >35' To 40', Add</i>	82.57	
<i>For Elevated Installation >40', Add</i>	90.83	
<i>For Work In Restricted Working Space, Add</i>	49.54	
26 05 33 13-0936 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,018.71	93.11
<i>For Elevated Installation >10' To 15', Add</i>	18.62	
<i>For Elevated Installation >15' To 20', Add</i>	37.25	
<i>For Elevated Installation >20' To 25', Add</i>	46.56	
<i>For Elevated Installation >25' To 30', Add</i>	65.18	
<i>For Elevated Installation >30' To 35', Add</i>	74.49	
<i>For Elevated Installation >35' To 40', Add</i>	93.12	
<i>For Elevated Installation >40', Add</i>	102.43	
<i>For Work In Restricted Working Space, Add</i>	55.87	
26 05 33 13-0937 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,148.42	121.22
<i>For Elevated Installation >10' To 15', Add</i>	24.24	
<i>For Elevated Installation >15' To 20', Add</i>	48.49	
<i>For Elevated Installation >20' To 25', Add</i>	60.61	
<i>For Elevated Installation >25' To 30', Add</i>	84.85	
<i>For Elevated Installation >30' To 35', Add</i>	96.98	
<i>For Elevated Installation >35' To 40', Add</i>	121.22	
<i>For Elevated Installation >40', Add</i>	133.34	
<i>For Work In Restricted Working Space, Add</i>	72.73	
26 05 33 13-0938 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,710.18	197.64
<i>For Elevated Installation >10' To 15', Add</i>	39.53	
<i>For Elevated Installation >15' To 20', Add</i>	79.06	
<i>For Elevated Installation >20' To 25', Add</i>	98.82	
<i>For Elevated Installation >25' To 30', Add</i>	138.35	
<i>For Elevated Installation >30' To 35', Add</i>	158.12	
<i>For Elevated Installation >35' To 40', Add</i>	197.65	
<i>For Elevated Installation >40', Add</i>	217.41	
<i>For Work In Restricted Working Space, Add</i>	118.59	
26 05 33 13-0939 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	2,123.09	296.91
<i>For Elevated Installation >10' To 15', Add</i>	59.38	
<i>For Elevated Installation >15' To 20', Add</i>	118.76	
<i>For Elevated Installation >20' To 25', Add</i>	148.45	
<i>For Elevated Installation >25' To 30', Add</i>	207.83	
<i>For Elevated Installation >30' To 35', Add</i>	237.52	
<i>For Elevated Installation >35' To 40', Add</i>	296.91	
<i>For Elevated Installation >40', Add</i>	326.60	
<i>For Work In Restricted Working Space, Add</i>	178.14	
26 05 33 13-0940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fittings <small>(26 05 33 13-0926)</small>		
26 05 33 13-0941 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting	112.56	21.96
<i>For Elevated Installation >10' To 15', Add</i>	4.39	
<i>For Elevated Installation >15' To 20', Add</i>	8.78	
<i>For Elevated Installation >20' To 25', Add</i>	10.98	
<i>For Elevated Installation >25' To 30', Add</i>	15.37	
<i>For Elevated Installation >30' To 35', Add</i>	17.57	
<i>For Elevated Installation >35' To 40', Add</i>	21.96	
<i>For Elevated Installation >40', Add</i>	24.16	
<i>For Work In Restricted Working Space, Add</i>	13.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.18	
26 05 33 13-0942 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting	138.93	28.99
<i>For Elevated Installation >10' To 15', Add</i>	5.80	
<i>For Elevated Installation >15' To 20', Add</i>	11.60	
<i>For Elevated Installation >20' To 25', Add</i>	14.50	
<i>For Elevated Installation >25' To 30', Add</i>	20.29	
<i>For Elevated Installation >30' To 35', Add</i>	23.19	
<i>For Elevated Installation >35' To 40', Add</i>	28.99	
<i>For Elevated Installation >40', Add</i>	31.89	
<i>For Work In Restricted Working Space, Add</i>	17.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.39	
26 05 33 13-0943 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting	182.36	33.38
<i>For Elevated Installation >10' To 15', Add</i>	6.68	
<i>For Elevated Installation >15' To 20', Add</i>	13.35	
<i>For Elevated Installation >20' To 25', Add</i>	16.69	
<i>For Elevated Installation >25' To 30', Add</i>	23.37	
<i>For Elevated Installation >30' To 35', Add</i>	26.70	
<i>For Elevated Installation >35' To 40', Add</i>	33.38	
<i>For Elevated Installation >40', Add</i>	36.72	
<i>For Work In Restricted Working Space, Add</i>	20.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.03	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0944	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	290.75	38.65
			<i>For Elevated Installation >10' To 15', Add</i>	7.73	
			<i>For Elevated Installation >15' To 20', Add</i>	15.46	
			<i>For Elevated Installation >20' To 25', Add</i>	19.33	
			<i>For Elevated Installation >25' To 30', Add</i>	27.06	
			<i>For Elevated Installation >30' To 35', Add</i>	30.92	
			<i>For Elevated Installation >35' To 40', Add</i>	38.65	
			<i>For Elevated Installation >40', Add</i>	42.52	
			<i>For Work In Restricted Working Space, Add</i>	23.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.19	
26 05 33 13-0945	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	321.70	43.92
			<i>For Elevated Installation >10' To 15', Add</i>	8.78	
			<i>For Elevated Installation >15' To 20', Add</i>	17.57	
			<i>For Elevated Installation >20' To 25', Add</i>	21.96	
			<i>For Elevated Installation >25' To 30', Add</i>	30.74	
			<i>For Elevated Installation >30' To 35', Add</i>	35.14	
			<i>For Elevated Installation >35' To 40', Add</i>	43.92	
			<i>For Elevated Installation >40', Add</i>	48.31	
			<i>For Work In Restricted Working Space, Add</i>	26.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.35	
26 05 33 13-0946	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	402.59	48.31
			<i>For Elevated Installation >10' To 15', Add</i>	9.66	
			<i>For Elevated Installation >15' To 20', Add</i>	19.32	
			<i>For Elevated Installation >20' To 25', Add</i>	24.16	
			<i>For Elevated Installation >25' To 30', Add</i>	33.82	
			<i>For Elevated Installation >30' To 35', Add</i>	38.65	
			<i>For Elevated Installation >35' To 40', Add</i>	48.31	
			<i>For Elevated Installation >40', Add</i>	53.14	
			<i>For Work In Restricted Working Space, Add</i>	28.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.99	
26 05 33 13-0947	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,058.47	60.61
			<i>For Elevated Installation >10' To 15', Add</i>	12.12	
			<i>For Elevated Installation >15' To 20', Add</i>	24.24	
			<i>For Elevated Installation >20' To 25', Add</i>	30.30	
			<i>For Elevated Installation >25' To 30', Add</i>	42.42	
			<i>For Elevated Installation >30' To 35', Add</i>	48.48	
			<i>For Elevated Installation >35' To 40', Add</i>	60.61	
			<i>For Elevated Installation >40', Add</i>	66.67	
			<i>For Work In Restricted Working Space, Add</i>	36.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.36	
26 05 33 13-0948	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,268.88	82.57
			<i>For Elevated Installation >10' To 15', Add</i>	16.52	
			<i>For Elevated Installation >15' To 20', Add</i>	33.03	
			<i>For Elevated Installation >20' To 25', Add</i>	41.29	
			<i>For Elevated Installation >25' To 30', Add</i>	57.80	
			<i>For Elevated Installation >30' To 35', Add</i>	66.06	
			<i>For Elevated Installation >35' To 40', Add</i>	82.58	
			<i>For Elevated Installation >40', Add</i>	90.83	
			<i>For Work In Restricted Working Space, Add</i>	49.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.55	
26 05 33 13-0949	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,692.17	121.22
			<i>For Elevated Installation >10' To 15', Add</i>	24.24	
			<i>For Elevated Installation >15' To 20', Add</i>	48.48	
			<i>For Elevated Installation >20' To 25', Add</i>	60.61	
			<i>For Elevated Installation >25' To 30', Add</i>	84.85	
			<i>For Elevated Installation >30' To 35', Add</i>	96.97	
			<i>For Elevated Installation >35' To 40', Add</i>	121.21	
			<i>For Elevated Installation >40', Add</i>	133.33	
			<i>For Work In Restricted Working Space, Add</i>	72.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.73	
26 05 33 13-0950			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fittings <small>(26 05 33 13-0926)</small>		
26 05 33 13-0951	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	108.39	21.96
			<i>For Elevated Installation >10' To 15', Add</i>	4.39	
			<i>For Elevated Installation >15' To 20', Add</i>	8.78	
			<i>For Elevated Installation >20' To 25', Add</i>	10.98	
			<i>For Elevated Installation >25' To 30', Add</i>	15.37	
			<i>For Elevated Installation >30' To 35', Add</i>	17.57	
			<i>For Elevated Installation >35' To 40', Add</i>	21.96	
			<i>For Elevated Installation >40', Add</i>	24.16	
			<i>For Work In Restricted Working Space, Add</i>	13.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.18	
26 05 33 13-0952	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	134.21	28.99
			<i>For Elevated Installation >10' To 15', Add</i>	5.80	
			<i>For Elevated Installation >15' To 20', Add</i>	11.60	
			<i>For Elevated Installation >20' To 25', Add</i>	14.50	
			<i>For Elevated Installation >25' To 30', Add</i>	20.29	
			<i>For Elevated Installation >30' To 35', Add</i>	23.19	
			<i>For Elevated Installation >35' To 40', Add</i>	28.99	
			<i>For Elevated Installation >40', Add</i>	31.89	
			<i>For Work In Restricted Working Space, Add</i>	17.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0953 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	182.36	33.38
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
For Work In Restricted Working Space, Add	20.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.03	
26 05 33 13-0954 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	288.32	38.65
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Work In Restricted Working Space, Add	23.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.19	
26 05 33 13-0955 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	311.92	43.92
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
For Work In Restricted Working Space, Add	26.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.35	
26 05 33 13-0956 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	402.71	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
For Work In Restricted Working Space, Add	28.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.99	
26 05 33 13-0957 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,016.72	60.61
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.30	
For Elevated Installation >25' To 30', Add	42.42	
For Elevated Installation >30' To 35', Add	48.48	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
For Work In Restricted Working Space, Add	36.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.36	
26 05 33 13-0958 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,238.42	82.57
For Elevated Installation >10' To 15', Add	16.52	
For Elevated Installation >15' To 20', Add	33.03	
For Elevated Installation >20' To 25', Add	41.29	
For Elevated Installation >25' To 30', Add	57.80	
For Elevated Installation >30' To 35', Add	66.06	
For Elevated Installation >35' To 40', Add	82.58	
For Elevated Installation >40', Add	90.83	
For Work In Restricted Working Space, Add	49.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.55	
26 05 33 13-0959 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,692.09	121.22
For Elevated Installation >10' To 15', Add	24.24	
For Elevated Installation >15' To 20', Add	48.48	
For Elevated Installation >20' To 25', Add	60.61	
For Elevated Installation >25' To 30', Add	84.85	
For Elevated Installation >30' To 35', Add	96.97	
For Elevated Installation >35' To 40', Add	121.21	
For Elevated Installation >40', Add	133.33	
For Work In Restricted Working Space, Add	72.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.73	
26 05 33 13-0960 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fittings <small>(26 05 33 13-0926)</small>		
26 05 33 13-0961 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting	99.15	21.96
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.98	
For Elevated Installation >25' To 30', Add	15.37	
For Elevated Installation >30' To 35', Add	17.57	
For Elevated Installation >35' To 40', Add	21.96	
For Elevated Installation >40', Add	24.16	
For Work In Restricted Working Space, Add	13.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.18	

26 Electrical
26 05 Common Work Results for Electrical
26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0962	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....120.19		28.99
			<i>For Elevated Installation >10' To 15', Add</i>	5.80	
			<i>For Elevated Installation >15' To 20', Add</i>	11.60	
			<i>For Elevated Installation >20' To 25', Add</i>	14.50	
			<i>For Elevated Installation >25' To 30', Add</i>	20.29	
			<i>For Elevated Installation >30' To 35', Add</i>	23.19	
			<i>For Elevated Installation >35' To 40', Add</i>	28.99	
			<i>For Elevated Installation >40', Add</i>	31.89	
			<i>For Work In Restricted Working Space, Add</i>	17.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.39	
26 05 33 13-0963	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....141.37		33.38
			<i>For Elevated Installation >10' To 15', Add</i>	6.68	
			<i>For Elevated Installation >15' To 20', Add</i>	13.35	
			<i>For Elevated Installation >20' To 25', Add</i>	16.69	
			<i>For Elevated Installation >25' To 30', Add</i>	23.37	
			<i>For Elevated Installation >30' To 35', Add</i>	26.70	
			<i>For Elevated Installation >35' To 40', Add</i>	33.38	
			<i>For Elevated Installation >40', Add</i>	36.72	
			<i>For Work In Restricted Working Space, Add</i>	20.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.03	
26 05 33 13-0964	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....196.08		38.65
			<i>For Elevated Installation >10' To 15', Add</i>	7.73	
			<i>For Elevated Installation >15' To 20', Add</i>	15.46	
			<i>For Elevated Installation >20' To 25', Add</i>	19.33	
			<i>For Elevated Installation >25' To 30', Add</i>	27.06	
			<i>For Elevated Installation >30' To 35', Add</i>	30.92	
			<i>For Elevated Installation >35' To 40', Add</i>	38.65	
			<i>For Elevated Installation >40', Add</i>	42.52	
			<i>For Work In Restricted Working Space, Add</i>	23.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.19	
26 05 33 13-0965	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....228.38		43.92
			<i>For Elevated Installation >10' To 15', Add</i>	8.78	
			<i>For Elevated Installation >15' To 20', Add</i>	17.57	
			<i>For Elevated Installation >20' To 25', Add</i>	21.96	
			<i>For Elevated Installation >25' To 30', Add</i>	30.74	
			<i>For Elevated Installation >30' To 35', Add</i>	35.14	
			<i>For Elevated Installation >35' To 40', Add</i>	43.92	
			<i>For Elevated Installation >40', Add</i>	48.31	
			<i>For Work In Restricted Working Space, Add</i>	26.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.35	
26 05 33 13-0966	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....342.34		48.31
			<i>For Elevated Installation >10' To 15', Add</i>	9.66	
			<i>For Elevated Installation >15' To 20', Add</i>	19.32	
			<i>For Elevated Installation >20' To 25', Add</i>	24.16	
			<i>For Elevated Installation >25' To 30', Add</i>	33.82	
			<i>For Elevated Installation >30' To 35', Add</i>	38.65	
			<i>For Elevated Installation >35' To 40', Add</i>	48.31	
			<i>For Elevated Installation >40', Add</i>	53.14	
			<i>For Work In Restricted Working Space, Add</i>	28.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.99	
26 05 33 13-0967	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....900.46		60.61
			<i>For Elevated Installation >10' To 15', Add</i>	12.12	
			<i>For Elevated Installation >15' To 20', Add</i>	24.24	
			<i>For Elevated Installation >20' To 25', Add</i>	30.30	
			<i>For Elevated Installation >25' To 30', Add</i>	42.42	
			<i>For Elevated Installation >30' To 35', Add</i>	48.48	
			<i>For Elevated Installation >35' To 40', Add</i>	60.61	
			<i>For Elevated Installation >40', Add</i>	66.67	
			<i>For Work In Restricted Working Space, Add</i>	36.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.36	
26 05 33 13-0968	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....1,021.27		82.57
			<i>For Elevated Installation >10' To 15', Add</i>	16.52	
			<i>For Elevated Installation >15' To 20', Add</i>	33.03	
			<i>For Elevated Installation >20' To 25', Add</i>	41.29	
			<i>For Elevated Installation >25' To 30', Add</i>	57.80	
			<i>For Elevated Installation >30' To 35', Add</i>	66.06	
			<i>For Elevated Installation >35' To 40', Add</i>	82.58	
			<i>For Elevated Installation >40', Add</i>	90.83	
			<i>For Work In Restricted Working Space, Add</i>	49.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.55	
26 05 33 13-0969	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting .....1,312.67		121.22
			<i>For Elevated Installation >10' To 15', Add</i>	24.24	
			<i>For Elevated Installation >15' To 20', Add</i>	48.48	
			<i>For Elevated Installation >20' To 25', Add</i>	60.61	
			<i>For Elevated Installation >25' To 30', Add</i>	84.85	
			<i>For Elevated Installation >30' To 35', Add</i>	96.97	
			<i>For Elevated Installation >35' To 40', Add</i>	121.21	
			<i>For Elevated Installation >40', Add</i>	133.33	
			<i>For Work In Restricted Working Space, Add</i>	72.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.73	

26 05 33 13-0970 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fittings (26 05 33 13-0926)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0971 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	160.96	21.96
<i>For Elevated Installation >10' To 15', Add</i>	4.39	
<i>For Elevated Installation >15' To 20', Add</i>	8.78	
<i>For Elevated Installation >20' To 25', Add</i>	10.98	
<i>For Elevated Installation >25' To 30', Add</i>	15.37	
<i>For Elevated Installation >30' To 35', Add</i>	17.57	
<i>For Elevated Installation >35' To 40', Add</i>	21.96	
<i>For Elevated Installation >40', Add</i>	24.16	
<i>For Work In Restricted Working Space, Add</i>	13.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.18	
26 05 33 13-0972 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	240.38	28.99
<i>For Elevated Installation >10' To 15', Add</i>	5.80	
<i>For Elevated Installation >15' To 20', Add</i>	11.60	
<i>For Elevated Installation >20' To 25', Add</i>	14.50	
<i>For Elevated Installation >25' To 30', Add</i>	20.29	
<i>For Elevated Installation >30' To 35', Add</i>	23.19	
<i>For Elevated Installation >35' To 40', Add</i>	28.99	
<i>For Elevated Installation >40', Add</i>	31.89	
<i>For Work In Restricted Working Space, Add</i>	17.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.39	
26 05 33 13-0973 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	300.55	33.38
<i>For Elevated Installation >10' To 15', Add</i>	6.68	
<i>For Elevated Installation >15' To 20', Add</i>	13.35	
<i>For Elevated Installation >20' To 25', Add</i>	16.69	
<i>For Elevated Installation >25' To 30', Add</i>	23.37	
<i>For Elevated Installation >30' To 35', Add</i>	26.70	
<i>For Elevated Installation >35' To 40', Add</i>	33.38	
<i>For Elevated Installation >40', Add</i>	36.72	
<i>For Work In Restricted Working Space, Add</i>	20.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.03	
26 05 33 13-0974 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	346.99	38.65
<i>For Elevated Installation >10' To 15', Add</i>	7.73	
<i>For Elevated Installation >15' To 20', Add</i>	15.46	
<i>For Elevated Installation >20' To 25', Add</i>	19.33	
<i>For Elevated Installation >25' To 30', Add</i>	27.06	
<i>For Elevated Installation >30' To 35', Add</i>	30.92	
<i>For Elevated Installation >35' To 40', Add</i>	38.65	
<i>For Elevated Installation >40', Add</i>	42.52	
<i>For Work In Restricted Working Space, Add</i>	23.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.19	
26 05 33 13-0975 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	394.09	43.92
<i>For Elevated Installation >10' To 15', Add</i>	8.78	
<i>For Elevated Installation >15' To 20', Add</i>	17.57	
<i>For Elevated Installation >20' To 25', Add</i>	21.96	
<i>For Elevated Installation >25' To 30', Add</i>	30.74	
<i>For Elevated Installation >30' To 35', Add</i>	35.14	
<i>For Elevated Installation >35' To 40', Add</i>	43.92	
<i>For Elevated Installation >40', Add</i>	48.31	
<i>For Work In Restricted Working Space, Add</i>	26.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.35	
26 05 33 13-0976 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	513.52	48.31
<i>For Elevated Installation >10' To 15', Add</i>	9.66	
<i>For Elevated Installation >15' To 20', Add</i>	19.32	
<i>For Elevated Installation >20' To 25', Add</i>	24.16	
<i>For Elevated Installation >25' To 30', Add</i>	33.82	
<i>For Elevated Installation >30' To 35', Add</i>	38.65	
<i>For Elevated Installation >35' To 40', Add</i>	48.31	
<i>For Elevated Installation >40', Add</i>	53.14	
<i>For Work In Restricted Working Space, Add</i>	28.99	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.99	
26 05 33 13-0977 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,566.64	60.61
<i>For Elevated Installation >10' To 15', Add</i>	12.12	
<i>For Elevated Installation >15' To 20', Add</i>	24.24	
<i>For Elevated Installation >20' To 25', Add</i>	30.30	
<i>For Elevated Installation >25' To 30', Add</i>	42.42	
<i>For Elevated Installation >30' To 35', Add</i>	48.48	
<i>For Elevated Installation >35' To 40', Add</i>	60.61	
<i>For Elevated Installation >40', Add</i>	66.67	
<i>For Work In Restricted Working Space, Add</i>	36.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.36	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0978	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,835.63	82.57
			<i>For Elevated Installation >10' To 15', Add</i>	16.52	
			<i>For Elevated Installation >15' To 20', Add</i>	33.03	
			<i>For Elevated Installation >20' To 25', Add</i>	41.29	
			<i>For Elevated Installation >25' To 30', Add</i>	57.80	
			<i>For Elevated Installation >30' To 35', Add</i>	66.06	
			<i>For Elevated Installation >35' To 40', Add</i>	82.58	
			<i>For Elevated Installation >40', Add</i>	90.83	
			<i>For Work In Restricted Working Space, Add</i>	49.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.55	
26 05 33 13-0979	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	2,267.54	121.22
			<i>For Elevated Installation >10' To 15', Add</i>	24.24	
			<i>For Elevated Installation >15' To 20', Add</i>	48.48	
			<i>For Elevated Installation >20' To 25', Add</i>	60.61	
			<i>For Elevated Installation >25' To 30', Add</i>	84.85	
			<i>For Elevated Installation >30' To 35', Add</i>	96.97	
			<i>For Elevated Installation >35' To 40', Add</i>	121.21	
			<i>For Elevated Installation >40', Add</i>	133.33	
			<i>For Work In Restricted Working Space, Add</i>	72.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.73	
26 05 33 13-0980			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings <small>(26 05 33 13-0926)</small>		
26 05 33 13-0981	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	177.36	21.96
			<i>For Elevated Installation >10' To 15', Add</i>	4.39	
			<i>For Elevated Installation >15' To 20', Add</i>	8.78	
			<i>For Elevated Installation >20' To 25', Add</i>	10.98	
			<i>For Elevated Installation >25' To 30', Add</i>	15.37	
			<i>For Elevated Installation >30' To 35', Add</i>	17.57	
			<i>For Elevated Installation >35' To 40', Add</i>	21.96	
			<i>For Elevated Installation >40', Add</i>	24.16	
			<i>For Work In Restricted Working Space, Add</i>	13.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.18	
26 05 33 13-0982	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	255.87	28.99
			<i>For Elevated Installation >10' To 15', Add</i>	5.80	
			<i>For Elevated Installation >15' To 20', Add</i>	11.60	
			<i>For Elevated Installation >20' To 25', Add</i>	14.50	
			<i>For Elevated Installation >25' To 30', Add</i>	20.29	
			<i>For Elevated Installation >30' To 35', Add</i>	23.19	
			<i>For Elevated Installation >35' To 40', Add</i>	28.99	
			<i>For Elevated Installation >40', Add</i>	31.89	
			<i>For Work In Restricted Working Space, Add</i>	17.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.39	
26 05 33 13-0983	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	303.50	33.38
			<i>For Elevated Installation >10' To 15', Add</i>	6.68	
			<i>For Elevated Installation >15' To 20', Add</i>	13.35	
			<i>For Elevated Installation >20' To 25', Add</i>	16.69	
			<i>For Elevated Installation >25' To 30', Add</i>	23.37	
			<i>For Elevated Installation >30' To 35', Add</i>	26.70	
			<i>For Elevated Installation >35' To 40', Add</i>	33.38	
			<i>For Elevated Installation >40', Add</i>	36.72	
			<i>For Work In Restricted Working Space, Add</i>	20.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.03	
26 05 33 13-0984	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	351.85	38.65
			<i>For Elevated Installation >10' To 15', Add</i>	7.73	
			<i>For Elevated Installation >15' To 20', Add</i>	15.46	
			<i>For Elevated Installation >20' To 25', Add</i>	19.33	
			<i>For Elevated Installation >25' To 30', Add</i>	27.06	
			<i>For Elevated Installation >30' To 35', Add</i>	30.92	
			<i>For Elevated Installation >35' To 40', Add</i>	38.65	
			<i>For Elevated Installation >40', Add</i>	42.52	
			<i>For Work In Restricted Working Space, Add</i>	23.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.19	
26 05 33 13-0985	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	407.41	43.92
			<i>For Elevated Installation >10' To 15', Add</i>	8.78	
			<i>For Elevated Installation >15' To 20', Add</i>	17.57	
			<i>For Elevated Installation >20' To 25', Add</i>	21.96	
			<i>For Elevated Installation >25' To 30', Add</i>	30.74	
			<i>For Elevated Installation >30' To 35', Add</i>	35.14	
			<i>For Elevated Installation >35' To 40', Add</i>	43.92	
			<i>For Elevated Installation >40', Add</i>	48.31	
			<i>For Work In Restricted Working Space, Add</i>	26.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0986 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	630.58	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
For Work In Restricted Working Space, Add	28.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.99	
26 05 33 13-0987 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,743.27	60.61
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.30	
For Elevated Installation >25' To 30', Add	42.42	
For Elevated Installation >30' To 35', Add	48.48	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
For Work In Restricted Working Space, Add	36.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.36	
26 05 33 13-0988 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	2,452.28	82.57
For Elevated Installation >10' To 15', Add	16.52	
For Elevated Installation >15' To 20', Add	33.03	
For Elevated Installation >20' To 25', Add	41.29	
For Elevated Installation >25' To 30', Add	57.80	
For Elevated Installation >30' To 35', Add	66.06	
For Elevated Installation >35' To 40', Add	82.58	
For Elevated Installation >40', Add	90.83	
For Work In Restricted Working Space, Add	49.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.55	
26 05 33 13-0989 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	2,579.71	121.22
For Elevated Installation >10' To 15', Add	24.24	
For Elevated Installation >15' To 20', Add	48.48	
For Elevated Installation >20' To 25', Add	60.61	
For Elevated Installation >25' To 30', Add	84.85	
For Elevated Installation >30' To 35', Add	96.97	
For Elevated Installation >35' To 40', Add	121.21	
For Elevated Installation >40', Add	133.33	
For Work In Restricted Working Space, Add	72.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.73	
26 05 33 13-0990 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fittings <small>(26 05 33 13-0926)</small>		
26 05 33 13-0991 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	142.88	21.96
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.98	
For Elevated Installation >25' To 30', Add	15.37	
For Elevated Installation >30' To 35', Add	17.57	
For Elevated Installation >35' To 40', Add	21.96	
For Elevated Installation >40', Add	24.16	
For Work In Restricted Working Space, Add	13.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.18	
26 05 33 13-0992 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	180.98	28.99
For Elevated Installation >10' To 15', Add	5.80	
For Elevated Installation >15' To 20', Add	11.60	
For Elevated Installation >20' To 25', Add	14.50	
For Elevated Installation >25' To 30', Add	20.29	
For Elevated Installation >30' To 35', Add	23.19	
For Elevated Installation >35' To 40', Add	28.99	
For Elevated Installation >40', Add	31.89	
For Work In Restricted Working Space, Add	17.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.39	
26 05 33 13-0993 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	216.09	33.38
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
For Work In Restricted Working Space, Add	20.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.03	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0994	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	240.35	38.65
			<i>For Elevated Installation >10' To 15', Add</i>	7.73	
			<i>For Elevated Installation >15' To 20', Add</i>	15.46	
			<i>For Elevated Installation >20' To 25', Add</i>	19.33	
			<i>For Elevated Installation >25' To 30', Add</i>	27.06	
			<i>For Elevated Installation >30' To 35', Add</i>	30.92	
			<i>For Elevated Installation >35' To 40', Add</i>	38.65	
			<i>For Elevated Installation >40', Add</i>	42.52	
			<i>For Work In Restricted Working Space, Add</i>	23.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.19	
26 05 33 13-0995	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	319.25	43.92
			<i>For Elevated Installation >10' To 15', Add</i>	8.78	
			<i>For Elevated Installation >15' To 20', Add</i>	17.57	
			<i>For Elevated Installation >20' To 25', Add</i>	21.96	
			<i>For Elevated Installation >25' To 30', Add</i>	30.74	
			<i>For Elevated Installation >30' To 35', Add</i>	35.14	
			<i>For Elevated Installation >35' To 40', Add</i>	43.92	
			<i>For Elevated Installation >40', Add</i>	48.31	
			<i>For Work In Restricted Working Space, Add</i>	26.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.35	
26 05 33 13-0996	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	443.75	48.31
			<i>For Elevated Installation >10' To 15', Add</i>	9.66	
			<i>For Elevated Installation >15' To 20', Add</i>	19.32	
			<i>For Elevated Installation >20' To 25', Add</i>	24.16	
			<i>For Elevated Installation >25' To 30', Add</i>	33.82	
			<i>For Elevated Installation >30' To 35', Add</i>	38.65	
			<i>For Elevated Installation >35' To 40', Add</i>	48.31	
			<i>For Elevated Installation >40', Add</i>	53.14	
			<i>For Work In Restricted Working Space, Add</i>	28.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.99	
26 05 33 13-0997	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,420.35	60.61
			<i>For Elevated Installation >10' To 15', Add</i>	12.12	
			<i>For Elevated Installation >15' To 20', Add</i>	24.24	
			<i>For Elevated Installation >20' To 25', Add</i>	30.30	
			<i>For Elevated Installation >25' To 30', Add</i>	42.42	
			<i>For Elevated Installation >30' To 35', Add</i>	48.48	
			<i>For Elevated Installation >35' To 40', Add</i>	60.61	
			<i>For Elevated Installation >40', Add</i>	66.67	
			<i>For Work In Restricted Working Space, Add</i>	36.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.36	
26 05 33 13-0998	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,606.88	82.57
			<i>For Elevated Installation >10' To 15', Add</i>	16.52	
			<i>For Elevated Installation >15' To 20', Add</i>	33.03	
			<i>For Elevated Installation >20' To 25', Add</i>	41.29	
			<i>For Elevated Installation >25' To 30', Add</i>	57.80	
			<i>For Elevated Installation >30' To 35', Add</i>	66.06	
			<i>For Elevated Installation >35' To 40', Add</i>	82.58	
			<i>For Elevated Installation >40', Add</i>	90.83	
			<i>For Work In Restricted Working Space, Add</i>	49.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.55	
26 05 33 13-0999	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,922.16	121.22
			<i>For Elevated Installation >10' To 15', Add</i>	24.24	
			<i>For Elevated Installation >15' To 20', Add</i>	48.48	
			<i>For Elevated Installation >20' To 25', Add</i>	60.61	
			<i>For Elevated Installation >25' To 30', Add</i>	84.85	
			<i>For Elevated Installation >30' To 35', Add</i>	96.97	
			<i>For Elevated Installation >35' To 40', Add</i>	121.21	
			<i>For Elevated Installation >40', Add</i>	133.33	
			<i>For Work In Restricted Working Space, Add</i>	72.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.73	
26 05 33 13-1000			Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0826)</small>		
			Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1001	EA		1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	141.50	42.17
			<i>For Elevated Installation >10' To 15', Add</i>	8.43	
			<i>For Elevated Installation >15' To 20', Add</i>	16.87	
			<i>For Elevated Installation >20' To 25', Add</i>	21.09	
			<i>For Elevated Installation >25' To 30', Add</i>	29.52	
			<i>For Elevated Installation >30' To 35', Add</i>	33.74	
			<i>For Elevated Installation >35' To 40', Add</i>	42.17	
			<i>For Elevated Installation >40', Add</i>	46.39	
			<i>For Work In Restricted Working Space, Add</i>	25.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1002 EA 3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	160.01	48.31
<i>For Elevated Installation >10' To 15', Add</i>	9.66	
<i>For Elevated Installation >15' To 20', Add</i>	19.32	
<i>For Elevated Installation >20' To 25', Add</i>	24.16	
<i>For Elevated Installation >25' To 30', Add</i>	33.82	
<i>For Elevated Installation >30' To 35', Add</i>	38.65	
<i>For Elevated Installation >35' To 40', Add</i>	48.31	
<i>For Elevated Installation >40', Add</i>	53.14	
<i>For Work In Restricted Working Space, Add</i>	28.99	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.99	
26 05 33 13-1003 EA 1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	195.49	55.34
<i>For Elevated Installation >10' To 15', Add</i>	11.07	
<i>For Elevated Installation >15' To 20', Add</i>	22.14	
<i>For Elevated Installation >20' To 25', Add</i>	27.67	
<i>For Elevated Installation >25' To 30', Add</i>	38.74	
<i>For Elevated Installation >30' To 35', Add</i>	44.27	
<i>For Elevated Installation >35' To 40', Add</i>	55.34	
<i>For Elevated Installation >40', Add</i>	60.87	
<i>For Work In Restricted Working Space, Add</i>	33.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.20	
26 05 33 13-1004 EA 1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	251.37	64.12
<i>For Elevated Installation >10' To 15', Add</i>	12.83	
<i>For Elevated Installation >15' To 20', Add</i>	25.65	
<i>For Elevated Installation >20' To 25', Add</i>	32.06	
<i>For Elevated Installation >25' To 30', Add</i>	44.89	
<i>For Elevated Installation >30' To 35', Add</i>	51.30	
<i>For Elevated Installation >35' To 40', Add</i>	64.13	
<i>For Elevated Installation >40', Add</i>	70.54	
<i>For Work In Restricted Working Space, Add</i>	38.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.48	
26 05 33 13-1005 EA 1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	290.88	70.28
<i>For Elevated Installation >10' To 15', Add</i>	14.05	
<i>For Elevated Installation >15' To 20', Add</i>	28.11	
<i>For Elevated Installation >20' To 25', Add</i>	35.14	
<i>For Elevated Installation >25' To 30', Add</i>	49.19	
<i>For Elevated Installation >30' To 35', Add</i>	56.22	
<i>For Elevated Installation >35' To 40', Add</i>	70.27	
<i>For Elevated Installation >40', Add</i>	77.30	
<i>For Work In Restricted Working Space, Add</i>	42.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.16	
26 05 33 13-1006 EA 2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	390.31	84.33
<i>For Elevated Installation >10' To 15', Add</i>	16.87	
<i>For Elevated Installation >15' To 20', Add</i>	33.73	
<i>For Elevated Installation >20' To 25', Add</i>	42.17	
<i>For Elevated Installation >25' To 30', Add</i>	59.03	
<i>For Elevated Installation >30' To 35', Add</i>	67.46	
<i>For Elevated Installation >35' To 40', Add</i>	84.33	
<i>For Elevated Installation >40', Add</i>	92.76	
<i>For Work In Restricted Working Space, Add</i>	50.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.60	
26 05 33 13-1007 EA 2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	643.94	118.59
<i>For Elevated Installation >10' To 15', Add</i>	23.72	
<i>For Elevated Installation >15' To 20', Add</i>	47.44	
<i>For Elevated Installation >20' To 25', Add</i>	59.30	
<i>For Elevated Installation >25' To 30', Add</i>	83.01	
<i>For Elevated Installation >30' To 35', Add</i>	94.87	
<i>For Elevated Installation >35' To 40', Add</i>	118.59	
<i>For Elevated Installation >40', Add</i>	130.45	
<i>For Work In Restricted Working Space, Add</i>	71.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.15	
26 05 33 13-1008 EA 3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	827.92	158.12
<i>For Elevated Installation >10' To 15', Add</i>	31.62	
<i>For Elevated Installation >15' To 20', Add</i>	63.25	
<i>For Elevated Installation >20' To 25', Add</i>	79.06	
<i>For Elevated Installation >25' To 30', Add</i>	110.68	
<i>For Elevated Installation >30' To 35', Add</i>	126.50	
<i>For Elevated Installation >35' To 40', Add</i>	158.12	
<i>For Elevated Installation >40', Add</i>	173.93	
<i>For Work In Restricted Working Space, Add</i>	94.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.87	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1009	EA		3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,138.71	197.64
			<i>For Elevated Installation >10' To 15', Add</i>	39.53	
			<i>For Elevated Installation >15' To 20', Add</i>	79.06	
			<i>For Elevated Installation >20' To 25', Add</i>	98.82	
			<i>For Elevated Installation >25' To 30', Add</i>	138.35	
			<i>For Elevated Installation >30' To 35', Add</i>	158.12	
			<i>For Elevated Installation >35' To 40', Add</i>	197.65	
			<i>For Elevated Installation >40', Add</i>	217.41	
			<i>For Work In Restricted Working Space, Add</i>	118.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.59	
26 05 33 13-1010	EA		4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,314.71	240.68
			<i>For Elevated Installation >10' To 15', Add</i>	48.14	
			<i>For Elevated Installation >15' To 20', Add</i>	96.28	
			<i>For Elevated Installation >20' To 25', Add</i>	120.35	
			<i>For Elevated Installation >25' To 30', Add</i>	168.48	
			<i>For Elevated Installation >30' To 35', Add</i>	192.55	
			<i>For Elevated Installation >35' To 40', Add</i>	240.69	
			<i>For Elevated Installation >40', Add</i>	264.76	
			<i>For Work In Restricted Working Space, Add</i>	144.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.41	
26 05 33 13-1011			Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0826)</small>		
			Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1012	EA		1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	184.99	55.34
			<i>For Elevated Installation >10' To 15', Add</i>	11.07	
			<i>For Elevated Installation >15' To 20', Add</i>	22.13	
			<i>For Elevated Installation >20' To 25', Add</i>	27.67	
			<i>For Elevated Installation >25' To 30', Add</i>	38.73	
			<i>For Elevated Installation >30' To 35', Add</i>	44.27	
			<i>For Elevated Installation >35' To 40', Add</i>	55.34	
			<i>For Elevated Installation >40', Add</i>	60.87	
			<i>For Work In Restricted Working Space, Add</i>	33.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.20	
26 05 33 13-1013	EA		3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	210.01	61.49
			<i>For Elevated Installation >10' To 15', Add</i>	12.30	
			<i>For Elevated Installation >15' To 20', Add</i>	24.60	
			<i>For Elevated Installation >20' To 25', Add</i>	30.75	
			<i>For Elevated Installation >25' To 30', Add</i>	43.04	
			<i>For Elevated Installation >30' To 35', Add</i>	49.19	
			<i>For Elevated Installation >35' To 40', Add</i>	61.49	
			<i>For Elevated Installation >40', Add</i>	67.64	
			<i>For Work In Restricted Working Space, Add</i>	36.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.89	
26 05 33 13-1014	EA		1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	252.50	67.64
			<i>For Elevated Installation >10' To 15', Add</i>	13.53	
			<i>For Elevated Installation >15' To 20', Add</i>	27.05	
			<i>For Elevated Installation >20' To 25', Add</i>	33.82	
			<i>For Elevated Installation >25' To 30', Add</i>	47.34	
			<i>For Elevated Installation >30' To 35', Add</i>	54.11	
			<i>For Elevated Installation >35' To 40', Add</i>	67.64	
			<i>For Elevated Installation >40', Add</i>	74.40	
			<i>For Work In Restricted Working Space, Add</i>	40.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.58	
26 05 33 13-1015	EA		1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	332.22	77.30
			<i>For Elevated Installation >10' To 15', Add</i>	15.46	
			<i>For Elevated Installation >15' To 20', Add</i>	30.92	
			<i>For Elevated Installation >20' To 25', Add</i>	38.65	
			<i>For Elevated Installation >25' To 30', Add</i>	54.11	
			<i>For Elevated Installation >30' To 35', Add</i>	61.84	
			<i>For Elevated Installation >35' To 40', Add</i>	77.30	
			<i>For Elevated Installation >40', Add</i>	85.03	
			<i>For Work In Restricted Working Space, Add</i>	46.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.38	
26 05 33 13-1016	EA		1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	388.83	84.33
			<i>For Elevated Installation >10' To 15', Add</i>	16.87	
			<i>For Elevated Installation >15' To 20', Add</i>	33.73	
			<i>For Elevated Installation >20' To 25', Add</i>	42.17	
			<i>For Elevated Installation >25' To 30', Add</i>	59.03	
			<i>For Elevated Installation >30' To 35', Add</i>	67.46	
			<i>For Elevated Installation >35' To 40', Add</i>	84.33	
			<i>For Elevated Installation >40', Add</i>	92.76	
			<i>For Work In Restricted Working Space, Add</i>	50.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.60	
26 05 33 13-1017	EA		2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	523.56	103.66
			<i>For Elevated Installation >10' To 15', Add</i>	20.73	
			<i>For Elevated Installation >15' To 20', Add</i>	41.46	
			<i>For Elevated Installation >20' To 25', Add</i>	51.83	
			<i>For Elevated Installation >25' To 30', Add</i>	72.56	
			<i>For Elevated Installation >30' To 35', Add</i>	82.92	
			<i>For Elevated Installation >35' To 40', Add</i>	103.66	
			<i>For Elevated Installation >40', Add</i>	114.02	
			<i>For Work In Restricted Working Space, Add</i>	62.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<p>26 05 33 13-1018 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0826)</small></p> <p>Note: Suitable for use in hazardous locations. Class I, Div 2.</p>		
26 05 33 13-1019 EA 1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	162.61	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.33	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.32	
For Elevated Installation >40', Add	53.15	
For Work In Restricted Working Space, Add	28.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.99	
26 05 33 13-1020 EA 3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	186.13	56.22
For Elevated Installation >10' To 15', Add	11.24	
For Elevated Installation >15' To 20', Add	22.49	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.35	
For Elevated Installation >30' To 35', Add	44.98	
For Elevated Installation >35' To 40', Add	56.22	
For Elevated Installation >40', Add	61.84	
For Work In Restricted Working Space, Add	33.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.73	
26 05 33 13-1021 EA 1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	221.70	61.49
For Elevated Installation >10' To 15', Add	12.30	
For Elevated Installation >15' To 20', Add	24.60	
For Elevated Installation >20' To 25', Add	30.75	
For Elevated Installation >25' To 30', Add	43.04	
For Elevated Installation >30' To 35', Add	49.19	
For Elevated Installation >35' To 40', Add	61.49	
For Elevated Installation >40', Add	67.64	
For Work In Restricted Working Space, Add	36.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.89	
26 05 33 13-1022 EA 1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	279.53	70.28
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
For Work In Restricted Working Space, Add	42.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.17	
26 05 33 13-1023 EA 1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	328.16	77.30
For Elevated Installation >10' To 15', Add	15.46	
For Elevated Installation >15' To 20', Add	30.92	
For Elevated Installation >20' To 25', Add	38.65	
For Elevated Installation >25' To 30', Add	54.11	
For Elevated Installation >30' To 35', Add	61.84	
For Elevated Installation >35' To 40', Add	77.30	
For Elevated Installation >40', Add	85.03	
For Work In Restricted Working Space, Add	46.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.38	
26 05 33 13-1024 EA 2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	433.00	90.48
For Elevated Installation >10' To 15', Add	18.10	
For Elevated Installation >15' To 20', Add	36.19	
For Elevated Installation >20' To 25', Add	45.24	
For Elevated Installation >25' To 30', Add	63.34	
For Elevated Installation >30' To 35', Add	72.38	
For Elevated Installation >35' To 40', Add	90.48	
For Elevated Installation >40', Add	99.53	
For Work In Restricted Working Space, Add	54.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.29	
26 05 33 13-1025 EA 2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	689.27	131.76
For Elevated Installation >10' To 15', Add	26.35	
For Elevated Installation >15' To 20', Add	52.71	
For Elevated Installation >20' To 25', Add	65.88	
For Elevated Installation >25' To 30', Add	92.24	
For Elevated Installation >30' To 35', Add	105.41	
For Elevated Installation >35' To 40', Add	131.77	
For Elevated Installation >40', Add	144.94	
For Work In Restricted Working Space, Add	79.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.06	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1026	EA		3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	910.69	171.29
			<i>For Elevated Installation >10' To 15', Add</i>	34.26	
			<i>For Elevated Installation >15' To 20', Add</i>	68.51	
			<i>For Elevated Installation >20' To 25', Add</i>	85.64	
			<i>For Elevated Installation >25' To 30', Add</i>	119.90	
			<i>For Elevated Installation >30' To 35', Add</i>	137.03	
			<i>For Elevated Installation >35' To 40', Add</i>	171.29	
			<i>For Elevated Installation >40', Add</i>	188.41	
			<i>For Work In Restricted Working Space, Add</i>	102.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.77	
26 05 33 13-1027	EA		3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,238.20	210.82
			<i>For Elevated Installation >10' To 15', Add</i>	42.16	
			<i>For Elevated Installation >15' To 20', Add</i>	84.33	
			<i>For Elevated Installation >20' To 25', Add</i>	105.41	
			<i>For Elevated Installation >25' To 30', Add</i>	147.57	
			<i>For Elevated Installation >30' To 35', Add</i>	168.65	
			<i>For Elevated Installation >35' To 40', Add</i>	210.82	
			<i>For Elevated Installation >40', Add</i>	231.90	
			<i>For Work In Restricted Working Space, Add</i>	126.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.49	
26 05 33 13-1028	EA		4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,393.62	253.86
			<i>For Elevated Installation >10' To 15', Add</i>	50.78	
			<i>For Elevated Installation >15' To 20', Add</i>	101.55	
			<i>For Elevated Installation >20' To 25', Add</i>	126.94	
			<i>For Elevated Installation >25' To 30', Add</i>	177.71	
			<i>For Elevated Installation >30' To 35', Add</i>	203.10	
			<i>For Elevated Installation >35' To 40', Add</i>	253.88	
			<i>For Elevated Installation >40', Add</i>	279.26	
			<i>For Work In Restricted Working Space, Add</i>	152.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.33	
26 05 33 13-1029 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined					
<small>(26 05 33 13-0826)</small>					
26 05 33 13-1030	EA		1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	30.81	5.27
			<i>For Elevated Installation >10' To 15', Add</i>	1.05	
			<i>For Elevated Installation >15' To 20', Add</i>	2.11	
			<i>For Elevated Installation >20' To 25', Add</i>	2.64	
			<i>For Elevated Installation >25' To 30', Add</i>	3.69	
			<i>For Elevated Installation >30' To 35', Add</i>	4.22	
			<i>For Elevated Installation >35' To 40', Add</i>	5.27	
			<i>For Elevated Installation >40', Add</i>	5.80	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
26 05 33 13-1031	EA		3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	34.69	6.15
			<i>For Elevated Installation >10' To 15', Add</i>	1.23	
			<i>For Elevated Installation >15' To 20', Add</i>	2.46	
			<i>For Elevated Installation >20' To 25', Add</i>	3.08	
			<i>For Elevated Installation >25' To 30', Add</i>	4.31	
			<i>For Elevated Installation >30' To 35', Add</i>	4.92	
			<i>For Elevated Installation >35' To 40', Add</i>	6.15	
			<i>For Elevated Installation >40', Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
26 05 33 13-1032	EA		1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	45.18	7.91
			<i>For Elevated Installation >10' To 15', Add</i>	1.58	
			<i>For Elevated Installation >15' To 20', Add</i>	3.16	
			<i>For Elevated Installation >20' To 25', Add</i>	3.95	
			<i>For Elevated Installation >25' To 30', Add</i>	5.53	
			<i>For Elevated Installation >30' To 35', Add</i>	6.32	
			<i>For Elevated Installation >35' To 40', Add</i>	7.91	
			<i>For Elevated Installation >40', Add</i>	8.70	
			<i>For Work In Restricted Working Space, Add</i>	4.74	
26 05 33 13-1033	EA		1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	57.84	9.66
			<i>For Elevated Installation >10' To 15', Add</i>	1.93	
			<i>For Elevated Installation >15' To 20', Add</i>	3.86	
			<i>For Elevated Installation >20' To 25', Add</i>	4.83	
			<i>For Elevated Installation >25' To 30', Add</i>	6.76	
			<i>For Elevated Installation >30' To 35', Add</i>	7.73	
			<i>For Elevated Installation >35' To 40', Add</i>	9.66	
			<i>For Elevated Installation >40', Add</i>	10.63	
			<i>For Work In Restricted Working Space, Add</i>	5.80	
26 05 33 13-1034	EA		1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	65.08	11.42
			<i>For Elevated Installation >10' To 15', Add</i>	2.28	
			<i>For Elevated Installation >15' To 20', Add</i>	4.57	
			<i>For Elevated Installation >20' To 25', Add</i>	5.71	
			<i>For Elevated Installation >25' To 30', Add</i>	7.99	
			<i>For Elevated Installation >30' To 35', Add</i>	9.14	
			<i>For Elevated Installation >35' To 40', Add</i>	11.42	
			<i>For Elevated Installation >40', Add</i>	12.56	
			<i>For Work In Restricted Working Space, Add</i>	6.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1035 EA 2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	80.05	13.18
For Elevated Installation >10' To 15', Add	2.64	
For Elevated Installation >15' To 20', Add	5.27	
For Elevated Installation >20' To 25', Add	6.59	
For Elevated Installation >25' To 30', Add	9.22	
For Elevated Installation >30' To 35', Add	10.54	
For Elevated Installation >35' To 40', Add	13.18	
For Elevated Installation >40', Add	14.49	
For Work In Restricted Working Space, Add	7.91	
26 05 33 13-1036 EA 2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	102.46	14.93
For Elevated Installation >10' To 15', Add	2.99	
For Elevated Installation >15' To 20', Add	5.97	
For Elevated Installation >20' To 25', Add	7.47	
For Elevated Installation >25' To 30', Add	10.45	
For Elevated Installation >30' To 35', Add	11.94	
For Elevated Installation >35' To 40', Add	14.93	
For Elevated Installation >40', Add	16.42	
For Work In Restricted Working Space, Add	8.96	
26 05 33 13-1037 EA 3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	114.77	21.08
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.43	
For Elevated Installation >20' To 25', Add	10.54	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.87	
For Elevated Installation >35' To 40', Add	21.09	
For Elevated Installation >40', Add	23.19	
For Work In Restricted Working Space, Add	12.65	
26 05 33 13-1038 EA 3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	138.48	23.72
For Elevated Installation >10' To 15', Add	4.74	
For Elevated Installation >15' To 20', Add	9.49	
For Elevated Installation >20' To 25', Add	11.86	
For Elevated Installation >25' To 30', Add	16.60	
For Elevated Installation >30' To 35', Add	18.98	
For Elevated Installation >35' To 40', Add	23.72	
For Elevated Installation >40', Add	26.09	
For Work In Restricted Working Space, Add	14.23	
26 05 33 13-1039 EA 4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	150.77	29.86
For Elevated Installation >10' To 15', Add	5.97	
For Elevated Installation >15' To 20', Add	11.95	
For Elevated Installation >20' To 25', Add	14.93	
For Elevated Installation >25' To 30', Add	20.91	
For Elevated Installation >30' To 35', Add	23.89	
For Elevated Installation >35' To 40', Add	29.87	
For Elevated Installation >40', Add	32.85	
For Work In Restricted Working Space, Add	17.92	
26 05 33 13-1040 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies <small>(26 05 33 13-0826)</small>		
26 05 33 13-1041 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	156.86	42.17
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Work In Restricted Working Space, Add	25.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.30	
26 05 33 13-1042 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	174.62	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
For Work In Restricted Working Space, Add	28.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.99	
26 05 33 13-1043 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	203.34	55.34
For Elevated Installation >10' To 15', Add	11.07	
For Elevated Installation >15' To 20', Add	22.14	
For Elevated Installation >20' To 25', Add	27.67	
For Elevated Installation >25' To 30', Add	38.74	
For Elevated Installation >30' To 35', Add	44.27	
For Elevated Installation >35' To 40', Add	55.34	
For Elevated Installation >40', Add	60.87	
For Work In Restricted Working Space, Add	33.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.20	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1044	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	240.48	64.12
			<i>For Elevated Installation >10' To 15', Add</i>	12.83	
			<i>For Elevated Installation >15' To 20', Add</i>	25.65	
			<i>For Elevated Installation >20' To 25', Add</i>	32.06	
			<i>For Elevated Installation >25' To 30', Add</i>	44.89	
			<i>For Elevated Installation >30' To 35', Add</i>	51.30	
			<i>For Elevated Installation >35' To 40', Add</i>	64.13	
			<i>For Elevated Installation >40', Add</i>	70.54	
			<i>For Work In Restricted Working Space, Add</i>	38.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.48	
26 05 33 13-1045	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	293.96	70.28
			<i>For Elevated Installation >10' To 15', Add</i>	14.06	
			<i>For Elevated Installation >15' To 20', Add</i>	28.11	
			<i>For Elevated Installation >20' To 25', Add</i>	35.14	
			<i>For Elevated Installation >25' To 30', Add</i>	49.19	
			<i>For Elevated Installation >30' To 35', Add</i>	56.22	
			<i>For Elevated Installation >35' To 40', Add</i>	70.28	
			<i>For Elevated Installation >40', Add</i>	77.30	
			<i>For Work In Restricted Working Space, Add</i>	42.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.17	
26 05 33 13-1046	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	355.78	84.33
			<i>For Elevated Installation >10' To 15', Add</i>	16.87	
			<i>For Elevated Installation >15' To 20', Add</i>	33.73	
			<i>For Elevated Installation >20' To 25', Add</i>	42.17	
			<i>For Elevated Installation >25' To 30', Add</i>	59.03	
			<i>For Elevated Installation >30' To 35', Add</i>	67.46	
			<i>For Elevated Installation >35' To 40', Add</i>	84.33	
			<i>For Elevated Installation >40', Add</i>	92.76	
			<i>For Work In Restricted Working Space, Add</i>	50.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.60	
26 05 33 13-1047	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	513.23	118.59
			<i>For Elevated Installation >10' To 15', Add</i>	23.72	
			<i>For Elevated Installation >15' To 20', Add</i>	47.43	
			<i>For Elevated Installation >20' To 25', Add</i>	59.29	
			<i>For Elevated Installation >25' To 30', Add</i>	83.01	
			<i>For Elevated Installation >30' To 35', Add</i>	94.87	
			<i>For Elevated Installation >35' To 40', Add</i>	118.59	
			<i>For Elevated Installation >40', Add</i>	130.44	
			<i>For Work In Restricted Working Space, Add</i>	71.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.15	
26 05 33 13-1048	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	661.49	158.12
			<i>For Elevated Installation >10' To 15', Add</i>	31.62	
			<i>For Elevated Installation >15' To 20', Add</i>	63.25	
			<i>For Elevated Installation >20' To 25', Add</i>	79.06	
			<i>For Elevated Installation >25' To 30', Add</i>	110.68	
			<i>For Elevated Installation >30' To 35', Add</i>	126.49	
			<i>For Elevated Installation >35' To 40', Add</i>	158.12	
			<i>For Elevated Installation >40', Add</i>	173.93	
			<i>For Work In Restricted Working Space, Add</i>	94.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.87	
26 05 33 13-1049	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,256.58	197.64
			<i>For Elevated Installation >10' To 15', Add</i>	39.53	
			<i>For Elevated Installation >15' To 20', Add</i>	79.06	
			<i>For Elevated Installation >20' To 25', Add</i>	98.82	
			<i>For Elevated Installation >25' To 30', Add</i>	138.35	
			<i>For Elevated Installation >30' To 35', Add</i>	158.12	
			<i>For Elevated Installation >35' To 40', Add</i>	197.65	
			<i>For Elevated Installation >40', Add</i>	217.41	
			<i>For Work In Restricted Working Space, Add</i>	118.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.59	
26 05 33 13-1050	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,812.75	240.68
			<i>For Elevated Installation >10' To 15', Add</i>	48.14	
			<i>For Elevated Installation >15' To 20', Add</i>	96.28	
			<i>For Elevated Installation >20' To 25', Add</i>	120.35	
			<i>For Elevated Installation >25' To 30', Add</i>	168.48	
			<i>For Elevated Installation >30' To 35', Add</i>	192.55	
			<i>For Elevated Installation >35' To 40', Add</i>	240.69	
			<i>For Elevated Installation >40', Add</i>	264.76	
			<i>For Work In Restricted Working Space, Add</i>	144.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.41	

26 05 33 13-1051 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies (26 05 33 13-0826)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1052 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	251.27	42.17
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Work In Restricted Working Space, Add	25.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.30	
26 05 33 13-1053 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	272.23	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
For Work In Restricted Working Space, Add	28.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.99	
26 05 33 13-1054 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	310.97	55.34
For Elevated Installation >10' To 15', Add	11.07	
For Elevated Installation >15' To 20', Add	22.14	
For Elevated Installation >20' To 25', Add	27.67	
For Elevated Installation >25' To 30', Add	38.74	
For Elevated Installation >30' To 35', Add	44.27	
For Elevated Installation >35' To 40', Add	55.34	
For Elevated Installation >40', Add	60.87	
For Work In Restricted Working Space, Add	33.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.20	
26 05 33 13-1055 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	349.33	64.12
For Elevated Installation >10' To 15', Add	12.83	
For Elevated Installation >15' To 20', Add	25.65	
For Elevated Installation >20' To 25', Add	32.06	
For Elevated Installation >25' To 30', Add	44.89	
For Elevated Installation >30' To 35', Add	51.30	
For Elevated Installation >35' To 40', Add	64.13	
For Elevated Installation >40', Add	70.54	
For Work In Restricted Working Space, Add	38.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 05 33 13-1056 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	419.27	70.28
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
For Work In Restricted Working Space, Add	42.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.17	
26 05 33 13-1057 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	474.98	84.33
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.73	
For Elevated Installation >20' To 25', Add	42.17	
For Elevated Installation >25' To 30', Add	59.03	
For Elevated Installation >30' To 35', Add	67.46	
For Elevated Installation >35' To 40', Add	84.33	
For Elevated Installation >40', Add	92.76	
For Work In Restricted Working Space, Add	50.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.60	
26 05 33 13-1058 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	668.21	118.59
For Elevated Installation >10' To 15', Add	23.72	
For Elevated Installation >15' To 20', Add	47.43	
For Elevated Installation >20' To 25', Add	59.29	
For Elevated Installation >25' To 30', Add	83.01	
For Elevated Installation >30' To 35', Add	94.87	
For Elevated Installation >35' To 40', Add	118.59	
For Elevated Installation >40', Add	130.44	
For Work In Restricted Working Space, Add	71.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.15	
26 05 33 13-1059 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	926.92	158.12
For Elevated Installation >10' To 15', Add	31.62	
For Elevated Installation >15' To 20', Add	63.25	
For Elevated Installation >20' To 25', Add	79.06	
For Elevated Installation >25' To 30', Add	110.68	
For Elevated Installation >30' To 35', Add	126.49	
For Elevated Installation >35' To 40', Add	158.12	
For Elevated Installation >40', Add	173.93	
For Work In Restricted Working Space, Add	94.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1060 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,333.66	197.64
For Elevated Installation >10' To 15', Add	39.53	
For Elevated Installation >15' To 20', Add	79.06	
For Elevated Installation >20' To 25', Add	98.82	
For Elevated Installation >25' To 30', Add	138.35	
For Elevated Installation >30' To 35', Add	158.12	
For Elevated Installation >35' To 40', Add	197.65	
For Elevated Installation >40', Add	217.41	
For Work In Restricted Working Space, Add	118.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	118.59	
26 05 33 13-1061 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,913.61	240.68
For Elevated Installation >10' To 15', Add	48.14	
For Elevated Installation >15' To 20', Add	96.28	
For Elevated Installation >20' To 25', Add	120.35	
For Elevated Installation >25' To 30', Add	168.48	
For Elevated Installation >30' To 35', Add	192.55	
For Elevated Installation >35' To 40', Add	240.69	
For Elevated Installation >40', Add	264.76	
For Work In Restricted Working Space, Add	144.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.41	
26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies <small>(26 05 33 13-0826)</small>		
26 05 33 13-1063 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	205.82	42.17
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Work In Restricted Working Space, Add	25.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.30	
26 05 33 13-1064 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	221.34	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
For Work In Restricted Working Space, Add	28.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.99	
26 05 33 13-1065 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	254.21	55.34
For Elevated Installation >10' To 15', Add	11.07	
For Elevated Installation >15' To 20', Add	22.14	
For Elevated Installation >20' To 25', Add	27.67	
For Elevated Installation >25' To 30', Add	38.74	
For Elevated Installation >30' To 35', Add	44.27	
For Elevated Installation >35' To 40', Add	55.34	
For Elevated Installation >40', Add	60.87	
For Work In Restricted Working Space, Add	33.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.20	
26 05 33 13-1066 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	284.96	64.12
For Elevated Installation >10' To 15', Add	12.83	
For Elevated Installation >15' To 20', Add	25.65	
For Elevated Installation >20' To 25', Add	32.06	
For Elevated Installation >25' To 30', Add	44.89	
For Elevated Installation >30' To 35', Add	51.30	
For Elevated Installation >35' To 40', Add	64.13	
For Elevated Installation >40', Add	70.54	
For Work In Restricted Working Space, Add	38.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	
26 05 33 13-1067 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	381.79	70.28
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
For Work In Restricted Working Space, Add	42.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.17	
26 05 33 13-1068 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	477.25	84.33
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.73	
For Elevated Installation >20' To 25', Add	42.17	
For Elevated Installation >25' To 30', Add	59.03	
For Elevated Installation >30' To 35', Add	67.46	
For Elevated Installation >35' To 40', Add	84.33	
For Elevated Installation >40', Add	92.76	
For Work In Restricted Working Space, Add	50.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1069 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	734.12	118.59
For Elevated Installation >10' To 15', Add	23.72	
For Elevated Installation >15' To 20', Add	47.43	
For Elevated Installation >20' To 25', Add	59.29	
For Elevated Installation >25' To 30', Add	83.01	
For Elevated Installation >30' To 35', Add	94.87	
For Elevated Installation >35' To 40', Add	118.59	
For Elevated Installation >40', Add	130.44	
For Work In Restricted Working Space, Add	71.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.15	
26 05 33 13-1070 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,061.02	158.12
For Elevated Installation >10' To 15', Add	31.62	
For Elevated Installation >15' To 20', Add	63.25	
For Elevated Installation >20' To 25', Add	79.06	
For Elevated Installation >25' To 30', Add	110.68	
For Elevated Installation >30' To 35', Add	126.49	
For Elevated Installation >35' To 40', Add	158.12	
For Elevated Installation >40', Add	173.93	
For Work In Restricted Working Space, Add	94.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.87	
26 05 33 13-1071 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,333.66	197.64
For Elevated Installation >10' To 15', Add	39.53	
For Elevated Installation >15' To 20', Add	79.06	
For Elevated Installation >20' To 25', Add	98.82	
For Elevated Installation >25' To 30', Add	138.35	
For Elevated Installation >30' To 35', Add	158.12	
For Elevated Installation >35' To 40', Add	197.65	
For Elevated Installation >40', Add	217.41	
For Work In Restricted Working Space, Add	118.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	118.59	
26 05 33 13-1072 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies (26 05 33 13-0826)		
26 05 33 13-1073 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	264.61	42.17
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Work In Restricted Working Space, Add	25.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.30	
26 05 33 13-1074 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	294.49	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
For Work In Restricted Working Space, Add	28.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.99	
26 05 33 13-1075 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	362.46	55.34
For Elevated Installation >10' To 15', Add	11.07	
For Elevated Installation >15' To 20', Add	22.14	
For Elevated Installation >20' To 25', Add	27.67	
For Elevated Installation >25' To 30', Add	38.74	
For Elevated Installation >30' To 35', Add	44.27	
For Elevated Installation >35' To 40', Add	55.34	
For Elevated Installation >40', Add	60.87	
For Work In Restricted Working Space, Add	33.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.20	
26 05 33 13-1076 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	444.54	64.12
For Elevated Installation >10' To 15', Add	12.83	
For Elevated Installation >15' To 20', Add	25.65	
For Elevated Installation >20' To 25', Add	32.06	
For Elevated Installation >25' To 30', Add	44.89	
For Elevated Installation >30' To 35', Add	51.30	
For Elevated Installation >35' To 40', Add	64.13	
For Elevated Installation >40', Add	70.54	
For Work In Restricted Working Space, Add	38.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.48	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1077	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	607.26	70.28
			<i>For Elevated Installation >10' To 15', Add</i>	14.06	
			<i>For Elevated Installation >15' To 20', Add</i>	28.11	
			<i>For Elevated Installation >20' To 25', Add</i>	35.14	
			<i>For Elevated Installation >25' To 30', Add</i>	49.19	
			<i>For Elevated Installation >30' To 35', Add</i>	56.22	
			<i>For Elevated Installation >35' To 40', Add</i>	70.28	
			<i>For Elevated Installation >40', Add</i>	77.30	
			<i>For Work In Restricted Working Space, Add</i>	42.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.17	
26 05 33	13-1078	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	727.84	84.33
			<i>For Elevated Installation >10' To 15', Add</i>	16.87	
			<i>For Elevated Installation >15' To 20', Add</i>	33.73	
			<i>For Elevated Installation >20' To 25', Add</i>	42.17	
			<i>For Elevated Installation >25' To 30', Add</i>	59.03	
			<i>For Elevated Installation >30' To 35', Add</i>	67.46	
			<i>For Elevated Installation >35' To 40', Add</i>	84.33	
			<i>For Elevated Installation >40', Add</i>	92.76	
			<i>For Work In Restricted Working Space, Add</i>	50.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.60	
26 05 33	13-1079		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings <small>(26 05 33 13-0826)</small>		
26 05 33	13-1080	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	55.87	16.90
			<i>For Elevated Installation >10' To 15', Add</i>	3.38	
			<i>For Elevated Installation >15' To 20', Add</i>	6.76	
			<i>For Elevated Installation >20' To 25', Add</i>	8.45	
			<i>For Elevated Installation >25' To 30', Add</i>	11.82	
			<i>For Elevated Installation >30' To 35', Add</i>	13.51	
			<i>For Elevated Installation >35' To 40', Add</i>	16.89	
			<i>For Elevated Installation >40', Add</i>	18.58	
			<i>For Work In Restricted Working Space, Add</i>	10.13	
26 05 33	13-1081	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	72.90	20.27
			<i>For Elevated Installation >10' To 15', Add</i>	4.05	
			<i>For Elevated Installation >15' To 20', Add</i>	8.11	
			<i>For Elevated Installation >20' To 25', Add</i>	10.14	
			<i>For Elevated Installation >25' To 30', Add</i>	14.19	
			<i>For Elevated Installation >30' To 35', Add</i>	16.22	
			<i>For Elevated Installation >35' To 40', Add</i>	20.27	
			<i>For Elevated Installation >40', Add</i>	22.30	
			<i>For Work In Restricted Working Space, Add</i>	12.16	
26 05 33	13-1082	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	93.35	27.03
			<i>For Elevated Installation >10' To 15', Add</i>	5.41	
			<i>For Elevated Installation >15' To 20', Add</i>	10.81	
			<i>For Elevated Installation >20' To 25', Add</i>	13.51	
			<i>For Elevated Installation >25' To 30', Add</i>	18.92	
			<i>For Elevated Installation >30' To 35', Add</i>	21.62	
			<i>For Elevated Installation >35' To 40', Add</i>	27.03	
			<i>For Elevated Installation >40', Add</i>	29.73	
			<i>For Work In Restricted Working Space, Add</i>	16.22	
26 05 33	13-1083	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	126.55	33.78
			<i>For Elevated Installation >10' To 15', Add</i>	6.76	
			<i>For Elevated Installation >15' To 20', Add</i>	13.51	
			<i>For Elevated Installation >20' To 25', Add</i>	16.89	
			<i>For Elevated Installation >25' To 30', Add</i>	23.65	
			<i>For Elevated Installation >30' To 35', Add</i>	27.03	
			<i>For Elevated Installation >35' To 40', Add</i>	33.79	
			<i>For Elevated Installation >40', Add</i>	37.16	
			<i>For Work In Restricted Working Space, Add</i>	20.27	
26 05 33	13-1084	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	163.95	40.54
			<i>For Elevated Installation >10' To 15', Add</i>	8.11	
			<i>For Elevated Installation >15' To 20', Add</i>	16.22	
			<i>For Elevated Installation >20' To 25', Add</i>	20.27	
			<i>For Elevated Installation >25' To 30', Add</i>	28.38	
			<i>For Elevated Installation >30' To 35', Add</i>	32.44	
			<i>For Elevated Installation >35' To 40', Add</i>	40.55	
			<i>For Elevated Installation >40', Add</i>	44.60	
			<i>For Work In Restricted Working Space, Add</i>	24.33	
26 05 33	13-1085	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	269.79	47.30
			<i>For Elevated Installation >10' To 15', Add</i>	9.46	
			<i>For Elevated Installation >15' To 20', Add</i>	18.92	
			<i>For Elevated Installation >20' To 25', Add</i>	23.65	
			<i>For Elevated Installation >25' To 30', Add</i>	33.11	
			<i>For Elevated Installation >30' To 35', Add</i>	37.84	
			<i>For Elevated Installation >35' To 40', Add</i>	47.30	
			<i>For Elevated Installation >40', Add</i>	52.03	
			<i>For Work In Restricted Working Space, Add</i>	28.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1086 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	383.93	54.05
<i>For Elevated Installation >10' To 15', Add</i>	10.81	
<i>For Elevated Installation >15' To 20', Add</i>	21.62	
<i>For Elevated Installation >20' To 25', Add</i>	27.03	
<i>For Elevated Installation >25' To 30', Add</i>	37.84	
<i>For Elevated Installation >30' To 35', Add</i>	43.24	
<i>For Elevated Installation >35' To 40', Add</i>	54.06	
<i>For Elevated Installation >40', Add</i>	59.46	
<i>For Work In Restricted Working Space, Add</i>	32.43	
26 05 33 13-1087 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	475.32	60.82
<i>For Elevated Installation >10' To 15', Add</i>	12.16	
<i>For Elevated Installation >15' To 20', Add</i>	24.32	
<i>For Elevated Installation >20' To 25', Add</i>	30.41	
<i>For Elevated Installation >25' To 30', Add</i>	42.57	
<i>For Elevated Installation >30' To 35', Add</i>	48.65	
<i>For Elevated Installation >35' To 40', Add</i>	60.81	
<i>For Elevated Installation >40', Add</i>	66.89	
<i>For Work In Restricted Working Space, Add</i>	36.49	
26 05 33 13-1088 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	654.06	70.95
<i>For Elevated Installation >10' To 15', Add</i>	14.19	
<i>For Elevated Installation >15' To 20', Add</i>	28.38	
<i>For Elevated Installation >20' To 25', Add</i>	35.48	
<i>For Elevated Installation >25' To 30', Add</i>	49.67	
<i>For Elevated Installation >30' To 35', Add</i>	56.76	
<i>For Elevated Installation >35' To 40', Add</i>	70.95	
<i>For Elevated Installation >40', Add</i>	78.05	
<i>For Work In Restricted Working Space, Add</i>	42.57	
26 05 33 13-1089 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	791.34	81.09
<i>For Elevated Installation >10' To 15', Add</i>	16.22	
<i>For Elevated Installation >15' To 20', Add</i>	32.43	
<i>For Elevated Installation >20' To 25', Add</i>	40.54	
<i>For Elevated Installation >25' To 30', Add</i>	56.76	
<i>For Elevated Installation >30' To 35', Add</i>	64.87	
<i>For Elevated Installation >35' To 40', Add</i>	81.09	
<i>For Elevated Installation >40', Add</i>	89.19	
<i>For Work In Restricted Working Space, Add</i>	48.65	
26 05 33 13-1090 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,265.77	128.39
<i>For Elevated Installation >10' To 15', Add</i>	25.68	
<i>For Elevated Installation >15' To 20', Add</i>	51.35	
<i>For Elevated Installation >20' To 25', Add</i>	64.19	
<i>For Elevated Installation >25' To 30', Add</i>	89.87	
<i>For Elevated Installation >30' To 35', Add</i>	102.70	
<i>For Elevated Installation >35' To 40', Add</i>	128.38	
<i>For Elevated Installation >40', Add</i>	141.22	
<i>For Work In Restricted Working Space, Add</i>	77.03	
26 05 33 13-1091 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,741.61	195.96
<i>For Elevated Installation >10' To 15', Add</i>	39.19	
<i>For Elevated Installation >15' To 20', Add</i>	78.38	
<i>For Elevated Installation >20' To 25', Add</i>	97.98	
<i>For Elevated Installation >25' To 30', Add</i>	137.17	
<i>For Elevated Installation >30' To 35', Add</i>	156.76	
<i>For Elevated Installation >35' To 40', Add</i>	195.96	
<i>For Elevated Installation >40', Add</i>	215.55	
<i>For Work In Restricted Working Space, Add</i>	117.57	
26 05 33 13-1092 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows <small>(26 05 33 13-0826)</small>		
26 05 33 13-1093 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	195.45	42.17
<i>For Elevated Installation >10' To 15', Add</i>	8.43	
<i>For Elevated Installation >15' To 20', Add</i>	16.87	
<i>For Elevated Installation >20' To 25', Add</i>	21.08	
<i>For Elevated Installation >25' To 30', Add</i>	29.52	
<i>For Elevated Installation >30' To 35', Add</i>	33.73	
<i>For Elevated Installation >35' To 40', Add</i>	42.17	
<i>For Elevated Installation >40', Add</i>	46.38	
<i>For Work In Restricted Working Space, Add</i>	25.30	
26 05 33 13-1094 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	229.24	46.56
<i>For Elevated Installation >10' To 15', Add</i>	9.31	
<i>For Elevated Installation >15' To 20', Add</i>	18.62	
<i>For Elevated Installation >20' To 25', Add</i>	23.28	
<i>For Elevated Installation >25' To 30', Add</i>	32.59	
<i>For Elevated Installation >30' To 35', Add</i>	37.24	
<i>For Elevated Installation >35' To 40', Add</i>	46.56	
<i>For Elevated Installation >40', Add</i>	51.21	
<i>For Work In Restricted Working Space, Add</i>	27.93	
26 05 33 13-1095 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	255.15	55.34
<i>For Elevated Installation >10' To 15', Add</i>	11.07	
<i>For Elevated Installation >15' To 20', Add</i>	22.14	
<i>For Elevated Installation >20' To 25', Add</i>	27.67	
<i>For Elevated Installation >25' To 30', Add</i>	38.74	
<i>For Elevated Installation >30' To 35', Add</i>	44.27	
<i>For Elevated Installation >35' To 40', Add</i>	55.34	
<i>For Elevated Installation >40', Add</i>	60.87	
<i>For Work In Restricted Working Space, Add</i>	33.20	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1096 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	358.15	64.12
For Elevated Installation >10' To 15', Add	12.83	
For Elevated Installation >15' To 20', Add	25.65	
For Elevated Installation >20' To 25', Add	32.06	
For Elevated Installation >25' To 30', Add	44.89	
For Elevated Installation >30' To 35', Add	51.30	
For Elevated Installation >35' To 40', Add	64.13	
For Elevated Installation >40', Add	70.54	
For Work In Restricted Working Space, Add	38.48	
26 05 33 13-1097 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	464.50	70.28
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
For Work In Restricted Working Space, Add	42.17	
26 05 33 13-1098 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	506.07	84.33
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.73	
For Elevated Installation >20' To 25', Add	42.17	
For Elevated Installation >25' To 30', Add	59.03	
For Elevated Installation >30' To 35', Add	67.46	
For Elevated Installation >35' To 40', Add	84.33	
For Elevated Installation >40', Add	92.76	
For Work In Restricted Working Space, Add	50.60	
26 05 33 13-1099 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,149.74	116.83
For Elevated Installation >10' To 15', Add	23.37	
For Elevated Installation >15' To 20', Add	46.73	
For Elevated Installation >20' To 25', Add	58.42	
For Elevated Installation >25' To 30', Add	81.78	
For Elevated Installation >30' To 35', Add	93.47	
For Elevated Installation >35' To 40', Add	116.84	
For Elevated Installation >40', Add	128.52	
For Work In Restricted Working Space, Add	70.10	
26 05 33 13-1100 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,232.52	158.12
For Elevated Installation >10' To 15', Add	31.62	
For Elevated Installation >15' To 20', Add	63.25	
For Elevated Installation >20' To 25', Add	79.06	
For Elevated Installation >25' To 30', Add	110.68	
For Elevated Installation >30' To 35', Add	126.50	
For Elevated Installation >35' To 40', Add	158.12	
For Elevated Installation >40', Add	173.93	
For Work In Restricted Working Space, Add	94.87	
26 05 33 13-1101 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,982.46	197.64
For Elevated Installation >10' To 15', Add	39.53	
For Elevated Installation >15' To 20', Add	79.06	
For Elevated Installation >20' To 25', Add	98.83	
For Elevated Installation >25' To 30', Add	138.36	
For Elevated Installation >30' To 35', Add	158.12	
For Elevated Installation >35' To 40', Add	197.66	
For Elevated Installation >40', Add	217.42	
For Work In Restricted Working Space, Add	118.59	
26 05 33 13-1102 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	2,083.95	240.68
For Elevated Installation >10' To 15', Add	48.14	
For Elevated Installation >15' To 20', Add	96.28	
For Elevated Installation >20' To 25', Add	120.35	
For Elevated Installation >25' To 30', Add	168.49	
For Elevated Installation >30' To 35', Add	192.56	
For Elevated Installation >35' To 40', Add	240.71	
For Elevated Installation >40', Add	264.78	
For Work In Restricted Working Space, Add	144.42	
26 05 33 13-1103 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows <small>(26 05 33 13-0826)</small>		
26 05 33 13-1104 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	274.53	42.17
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Work In Restricted Working Space, Add	25.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1105 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	312.90	48.31
<i>For Elevated Installation >10' To 15', Add</i>	9.66	
<i>For Elevated Installation >15' To 20', Add</i>	19.32	
<i>For Elevated Installation >20' To 25', Add</i>	24.16	
<i>For Elevated Installation >25' To 30', Add</i>	33.82	
<i>For Elevated Installation >30' To 35', Add</i>	38.65	
<i>For Elevated Installation >35' To 40', Add</i>	48.31	
<i>For Elevated Installation >40', Add</i>	53.14	
<i>For Work In Restricted Working Space, Add</i>	28.99	
26 05 33 13-1106 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	595.37	55.34
<i>For Elevated Installation >10' To 15', Add</i>	11.07	
<i>For Elevated Installation >15' To 20', Add</i>	22.14	
<i>For Elevated Installation >20' To 25', Add</i>	27.67	
<i>For Elevated Installation >25' To 30', Add</i>	38.74	
<i>For Elevated Installation >30' To 35', Add</i>	44.27	
<i>For Elevated Installation >35' To 40', Add</i>	55.34	
<i>For Elevated Installation >40', Add</i>	60.87	
<i>For Work In Restricted Working Space, Add</i>	33.20	
26 05 33 13-1107 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	627.91	64.12
<i>For Elevated Installation >10' To 15', Add</i>	12.83	
<i>For Elevated Installation >15' To 20', Add</i>	25.65	
<i>For Elevated Installation >20' To 25', Add</i>	32.06	
<i>For Elevated Installation >25' To 30', Add</i>	44.89	
<i>For Elevated Installation >30' To 35', Add</i>	51.30	
<i>For Elevated Installation >35' To 40', Add</i>	64.13	
<i>For Elevated Installation >40', Add</i>	70.54	
<i>For Work In Restricted Working Space, Add</i>	38.48	
26 05 33 13-1108 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	848.78	70.28
<i>For Elevated Installation >10' To 15', Add</i>	14.06	
<i>For Elevated Installation >15' To 20', Add</i>	28.11	
<i>For Elevated Installation >20' To 25', Add</i>	35.14	
<i>For Elevated Installation >25' To 30', Add</i>	49.19	
<i>For Elevated Installation >30' To 35', Add</i>	56.22	
<i>For Elevated Installation >35' To 40', Add</i>	70.28	
<i>For Elevated Installation >40', Add</i>	77.30	
<i>For Work In Restricted Working Space, Add</i>	42.17	
26 05 33 13-1109 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	910.48	84.33
<i>For Elevated Installation >10' To 15', Add</i>	16.87	
<i>For Elevated Installation >15' To 20', Add</i>	33.73	
<i>For Elevated Installation >20' To 25', Add</i>	42.17	
<i>For Elevated Installation >25' To 30', Add</i>	59.03	
<i>For Elevated Installation >30' To 35', Add</i>	67.46	
<i>For Elevated Installation >35' To 40', Add</i>	84.33	
<i>For Elevated Installation >40', Add</i>	92.76	
<i>For Work In Restricted Working Space, Add</i>	50.60	
26 05 33 13-1110 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,726.73	118.59
<i>For Elevated Installation >10' To 15', Add</i>	23.72	
<i>For Elevated Installation >15' To 20', Add</i>	47.43	
<i>For Elevated Installation >20' To 25', Add</i>	59.29	
<i>For Elevated Installation >25' To 30', Add</i>	83.01	
<i>For Elevated Installation >30' To 35', Add</i>	94.87	
<i>For Elevated Installation >35' To 40', Add</i>	118.59	
<i>For Elevated Installation >40', Add</i>	130.44	
<i>For Work In Restricted Working Space, Add</i>	71.15	
26 05 33 13-1111 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,835.23	158.12
<i>For Elevated Installation >10' To 15', Add</i>	31.62	
<i>For Elevated Installation >15' To 20', Add</i>	63.25	
<i>For Elevated Installation >20' To 25', Add</i>	79.06	
<i>For Elevated Installation >25' To 30', Add</i>	110.68	
<i>For Elevated Installation >30' To 35', Add</i>	126.49	
<i>For Elevated Installation >35' To 40', Add</i>	158.12	
<i>For Elevated Installation >40', Add</i>	173.93	
<i>For Work In Restricted Working Space, Add</i>	94.87	
26 05 33 13-1112 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,669.95	197.64
<i>For Elevated Installation >10' To 15', Add</i>	39.53	
<i>For Elevated Installation >15' To 20', Add</i>	79.06	
<i>For Elevated Installation >20' To 25', Add</i>	98.82	
<i>For Elevated Installation >25' To 30', Add</i>	138.35	
<i>For Elevated Installation >30' To 35', Add</i>	158.12	
<i>For Elevated Installation >35' To 40', Add</i>	197.65	
<i>For Elevated Installation >40', Add</i>	217.41	
<i>For Work In Restricted Working Space, Add</i>	118.59	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1113 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	3,032.54	240.68
For Elevated Installation >10' To 15', Add	48.14	
For Elevated Installation >15' To 20', Add	96.28	
For Elevated Installation >20' To 25', Add	120.35	
For Elevated Installation >25' To 30', Add	168.48	
For Elevated Installation >30' To 35', Add	192.55	
For Elevated Installation >35' To 40', Add	240.69	
For Elevated Installation >40', Add	264.76	
For Work In Restricted Working Space, Add	144.41	
26 05 33 13-1114 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows (26 05 33 13-0826)		
26 05 33 13-1115 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	108.48	21.96
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.98	
For Elevated Installation >25' To 30', Add	15.37	
For Elevated Installation >30' To 35', Add	17.57	
For Elevated Installation >35' To 40', Add	21.96	
For Elevated Installation >40', Add	24.16	
For Work In Restricted Working Space, Add	13.18	
26 05 33 13-1116 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	127.16	27.23
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.89	
For Elevated Installation >20' To 25', Add	13.62	
For Elevated Installation >25' To 30', Add	19.06	
For Elevated Installation >30' To 35', Add	21.78	
For Elevated Installation >35' To 40', Add	27.23	
For Elevated Installation >40', Add	29.95	
For Work In Restricted Working Space, Add	16.34	
26 05 33 13-1117 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	152.00	33.38
For Elevated Installation >10' To 15', Add	6.68	
For Elevated Installation >15' To 20', Add	13.35	
For Elevated Installation >20' To 25', Add	16.69	
For Elevated Installation >25' To 30', Add	23.37	
For Elevated Installation >30' To 35', Add	26.70	
For Elevated Installation >35' To 40', Add	33.38	
For Elevated Installation >40', Add	36.72	
For Work In Restricted Working Space, Add	20.03	
26 05 33 13-1118 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	179.01	38.65
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Work In Restricted Working Space, Add	23.19	
26 05 33 13-1119 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows (26 05 33 13-0826)		
26 05 33 13-1120 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	87.88	21.96
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.98	
For Elevated Installation >25' To 30', Add	15.37	
For Elevated Installation >30' To 35', Add	17.57	
For Elevated Installation >35' To 40', Add	21.96	
For Elevated Installation >40', Add	24.16	
For Work In Restricted Working Space, Add	13.18	
26 05 33 13-1121 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	102.43	27.23
For Elevated Installation >10' To 15', Add	5.45	
For Elevated Installation >15' To 20', Add	10.89	
For Elevated Installation >20' To 25', Add	13.62	
For Elevated Installation >25' To 30', Add	19.06	
For Elevated Installation >30' To 35', Add	21.78	
For Elevated Installation >35' To 40', Add	27.23	
For Elevated Installation >40', Add	29.95	
For Work In Restricted Working Space, Add	16.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1122 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	139.95	33.38
<i>For Elevated Installation >10' To 15', Add</i>	6.68	
<i>For Elevated Installation >15' To 20', Add</i>	13.35	
<i>For Elevated Installation >20' To 25', Add</i>	16.69	
<i>For Elevated Installation >25' To 30', Add</i>	23.37	
<i>For Elevated Installation >30' To 35', Add</i>	26.70	
<i>For Elevated Installation >35' To 40', Add</i>	33.38	
<i>For Elevated Installation >40', Add</i>	36.72	
<i>For Work In Restricted Working Space, Add</i>	20.03	
26 05 33 13-1123 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	179.11	38.65
<i>For Elevated Installation >10' To 15', Add</i>	7.73	
<i>For Elevated Installation >15' To 20', Add</i>	15.46	
<i>For Elevated Installation >20' To 25', Add</i>	19.33	
<i>For Elevated Installation >25' To 30', Add</i>	27.06	
<i>For Elevated Installation >30' To 35', Add</i>	30.92	
<i>For Elevated Installation >35' To 40', Add</i>	38.65	
<i>For Elevated Installation >40', Add</i>	42.52	
<i>For Work In Restricted Working Space, Add</i>	23.19	
26 05 33 13-1124 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	216.59	43.92
<i>For Elevated Installation >10' To 15', Add</i>	8.78	
<i>For Elevated Installation >15' To 20', Add</i>	17.57	
<i>For Elevated Installation >20' To 25', Add</i>	21.96	
<i>For Elevated Installation >25' To 30', Add</i>	30.74	
<i>For Elevated Installation >30' To 35', Add</i>	35.14	
<i>For Elevated Installation >35' To 40', Add</i>	43.92	
<i>For Elevated Installation >40', Add</i>	48.31	
<i>For Work In Restricted Working Space, Add</i>	26.35	
26 05 33 13-1125 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	303.63	48.31
<i>For Elevated Installation >10' To 15', Add</i>	9.66	
<i>For Elevated Installation >15' To 20', Add</i>	19.32	
<i>For Elevated Installation >20' To 25', Add</i>	24.16	
<i>For Elevated Installation >25' To 30', Add</i>	33.82	
<i>For Elevated Installation >30' To 35', Add</i>	38.65	
<i>For Elevated Installation >35' To 40', Add</i>	48.31	
<i>For Elevated Installation >40', Add</i>	53.14	
<i>For Work In Restricted Working Space, Add</i>	28.99	
26 05 33 13-1126 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	412.10	60.61
<i>For Elevated Installation >10' To 15', Add</i>	12.12	
<i>For Elevated Installation >15' To 20', Add</i>	24.24	
<i>For Elevated Installation >20' To 25', Add</i>	30.31	
<i>For Elevated Installation >25' To 30', Add</i>	42.43	
<i>For Elevated Installation >30' To 35', Add</i>	48.49	
<i>For Elevated Installation >35' To 40', Add</i>	60.61	
<i>For Elevated Installation >40', Add</i>	66.67	
<i>For Work In Restricted Working Space, Add</i>	36.37	
26 05 33 13-1127 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0826)</small>		
26 05 33 13-1128 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	108.53	21.96
<i>For Elevated Installation >10' To 15', Add</i>	4.39	
<i>For Elevated Installation >15' To 20', Add</i>	8.78	
<i>For Elevated Installation >20' To 25', Add</i>	10.98	
<i>For Elevated Installation >25' To 30', Add</i>	15.37	
<i>For Elevated Installation >30' To 35', Add</i>	17.57	
<i>For Elevated Installation >35' To 40', Add</i>	21.96	
<i>For Elevated Installation >40', Add</i>	24.16	
<i>For Work In Restricted Working Space, Add</i>	13.18	
26 05 33 13-1129 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	130.01	27.23
<i>For Elevated Installation >10' To 15', Add</i>	5.45	
<i>For Elevated Installation >15' To 20', Add</i>	10.89	
<i>For Elevated Installation >20' To 25', Add</i>	13.62	
<i>For Elevated Installation >25' To 30', Add</i>	19.06	
<i>For Elevated Installation >30' To 35', Add</i>	21.78	
<i>For Elevated Installation >35' To 40', Add</i>	27.23	
<i>For Elevated Installation >40', Add</i>	29.95	
<i>For Work In Restricted Working Space, Add</i>	16.34	
26 05 33 13-1130 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	152.02	33.38
<i>For Elevated Installation >10' To 15', Add</i>	6.68	
<i>For Elevated Installation >15' To 20', Add</i>	13.35	
<i>For Elevated Installation >20' To 25', Add</i>	16.69	
<i>For Elevated Installation >25' To 30', Add</i>	23.37	
<i>For Elevated Installation >30' To 35', Add</i>	26.70	
<i>For Elevated Installation >35' To 40', Add</i>	33.38	
<i>For Elevated Installation >40', Add</i>	36.72	
<i>For Work In Restricted Working Space, Add</i>	20.03	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1131	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	179.06	38.65
		<i>For Elevated Installation >10' To 15', Add</i>	7.73	
		<i>For Elevated Installation >15' To 20', Add</i>	15.46	
		<i>For Elevated Installation >20' To 25', Add</i>	19.33	
		<i>For Elevated Installation >25' To 30', Add</i>	27.06	
		<i>For Elevated Installation >30' To 35', Add</i>	30.92	
		<i>For Elevated Installation >35' To 40', Add</i>	38.65	
		<i>For Elevated Installation >40', Add</i>	42.52	
		<i>For Work In Restricted Working Space, Add</i>	23.19	
26 05 33 13-1132		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows <small>(26 05 33 13-0826)</small>		
26 05 33 13-1133	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	87.95	21.96
		<i>For Elevated Installation >10' To 15', Add</i>	4.39	
		<i>For Elevated Installation >15' To 20', Add</i>	8.78	
		<i>For Elevated Installation >20' To 25', Add</i>	10.98	
		<i>For Elevated Installation >25' To 30', Add</i>	15.37	
		<i>For Elevated Installation >30' To 35', Add</i>	17.57	
		<i>For Elevated Installation >35' To 40', Add</i>	21.96	
		<i>For Elevated Installation >40', Add</i>	24.16	
		<i>For Work In Restricted Working Space, Add</i>	13.18	
26 05 33 13-1134	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	102.43	27.23
		<i>For Elevated Installation >10' To 15', Add</i>	5.45	
		<i>For Elevated Installation >15' To 20', Add</i>	10.89	
		<i>For Elevated Installation >20' To 25', Add</i>	13.62	
		<i>For Elevated Installation >25' To 30', Add</i>	19.06	
		<i>For Elevated Installation >30' To 35', Add</i>	21.78	
		<i>For Elevated Installation >35' To 40', Add</i>	27.23	
		<i>For Elevated Installation >40', Add</i>	29.95	
		<i>For Work In Restricted Working Space, Add</i>	16.34	
26 05 33 13-1135	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	131.42	33.38
		<i>For Elevated Installation >10' To 15', Add</i>	6.68	
		<i>For Elevated Installation >15' To 20', Add</i>	13.35	
		<i>For Elevated Installation >20' To 25', Add</i>	16.69	
		<i>For Elevated Installation >25' To 30', Add</i>	23.37	
		<i>For Elevated Installation >30' To 35', Add</i>	26.70	
		<i>For Elevated Installation >35' To 40', Add</i>	33.38	
		<i>For Elevated Installation >40', Add</i>	36.72	
		<i>For Work In Restricted Working Space, Add</i>	20.03	
26 05 33 13-1136	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	162.54	38.65
		<i>For Elevated Installation >10' To 15', Add</i>	7.73	
		<i>For Elevated Installation >15' To 20', Add</i>	15.46	
		<i>For Elevated Installation >20' To 25', Add</i>	19.33	
		<i>For Elevated Installation >25' To 30', Add</i>	27.06	
		<i>For Elevated Installation >30' To 35', Add</i>	30.92	
		<i>For Elevated Installation >35' To 40', Add</i>	38.65	
		<i>For Elevated Installation >40', Add</i>	42.52	
		<i>For Work In Restricted Working Space, Add</i>	23.19	
26 05 33 13-1137	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	189.60	43.92
		<i>For Elevated Installation >10' To 15', Add</i>	8.78	
		<i>For Elevated Installation >15' To 20', Add</i>	17.57	
		<i>For Elevated Installation >20' To 25', Add</i>	21.96	
		<i>For Elevated Installation >25' To 30', Add</i>	30.74	
		<i>For Elevated Installation >30' To 35', Add</i>	35.14	
		<i>For Elevated Installation >35' To 40', Add</i>	43.92	
		<i>For Elevated Installation >40', Add</i>	48.31	
		<i>For Work In Restricted Working Space, Add</i>	26.35	
26 05 33 13-1138	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	217.19	48.31
		<i>For Elevated Installation >10' To 15', Add</i>	9.66	
		<i>For Elevated Installation >15' To 20', Add</i>	19.32	
		<i>For Elevated Installation >20' To 25', Add</i>	24.16	
		<i>For Elevated Installation >25' To 30', Add</i>	33.82	
		<i>For Elevated Installation >30' To 35', Add</i>	38.65	
		<i>For Elevated Installation >35' To 40', Add</i>	48.31	
		<i>For Elevated Installation >40', Add</i>	53.14	
		<i>For Work In Restricted Working Space, Add</i>	28.99	
26 05 33 13-1139	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	390.06	60.61
		<i>For Elevated Installation >10' To 15', Add</i>	12.12	
		<i>For Elevated Installation >15' To 20', Add</i>	24.24	
		<i>For Elevated Installation >20' To 25', Add</i>	30.31	
		<i>For Elevated Installation >25' To 30', Add</i>	42.43	
		<i>For Elevated Installation >30' To 35', Add</i>	48.49	
		<i>For Elevated Installation >35' To 40', Add</i>	60.61	
		<i>For Elevated Installation >40', Add</i>	66.67	
		<i>For Work In Restricted Working Space, Add</i>	36.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1140 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	453.95	82.57
<i>For Elevated Installation >10' To 15', Add</i>	16.51	
<i>For Elevated Installation >15' To 20', Add</i>	33.03	
<i>For Elevated Installation >20' To 25', Add</i>	41.29	
<i>For Elevated Installation >25' To 30', Add</i>	57.80	
<i>For Elevated Installation >30' To 35', Add</i>	66.06	
<i>For Elevated Installation >35' To 40', Add</i>	82.57	
<i>For Elevated Installation >40', Add</i>	90.83	
<i>For Work In Restricted Working Space, Add</i>	49.54	
26 05 33 13-1141 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	491.89	93.11
<i>For Elevated Installation >10' To 15', Add</i>	18.62	
<i>For Elevated Installation >15' To 20', Add</i>	37.25	
<i>For Elevated Installation >20' To 25', Add</i>	46.56	
<i>For Elevated Installation >25' To 30', Add</i>	65.18	
<i>For Elevated Installation >30' To 35', Add</i>	74.49	
<i>For Elevated Installation >35' To 40', Add</i>	93.12	
<i>For Elevated Installation >40', Add</i>	102.43	
<i>For Work In Restricted Working Space, Add</i>	55.87	
26 05 33 13-1142 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	610.19	121.22
<i>For Elevated Installation >10' To 15', Add</i>	24.24	
<i>For Elevated Installation >15' To 20', Add</i>	48.49	
<i>For Elevated Installation >20' To 25', Add</i>	60.61	
<i>For Elevated Installation >25' To 30', Add</i>	84.85	
<i>For Elevated Installation >30' To 35', Add</i>	96.98	
<i>For Elevated Installation >35' To 40', Add</i>	121.22	
<i>For Elevated Installation >40', Add</i>	133.34	
<i>For Work In Restricted Working Space, Add</i>	72.73	
26 05 33 13-1143 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows <small>(26 05 33 13-0826)</small>		
26 05 33 13-1144 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	182.11	42.17
<i>For Elevated Installation >10' To 15', Add</i>	8.43	
<i>For Elevated Installation >15' To 20', Add</i>	16.87	
<i>For Elevated Installation >20' To 25', Add</i>	21.08	
<i>For Elevated Installation >25' To 30', Add</i>	29.52	
<i>For Elevated Installation >30' To 35', Add</i>	33.73	
<i>For Elevated Installation >35' To 40', Add</i>	42.17	
<i>For Elevated Installation >40', Add</i>	46.38	
<i>For Work In Restricted Working Space, Add</i>	25.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.30	
26 05 33 13-1145 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	198.24	48.31
<i>For Elevated Installation >10' To 15', Add</i>	9.66	
<i>For Elevated Installation >15' To 20', Add</i>	19.32	
<i>For Elevated Installation >20' To 25', Add</i>	24.16	
<i>For Elevated Installation >25' To 30', Add</i>	33.82	
<i>For Elevated Installation >30' To 35', Add</i>	38.65	
<i>For Elevated Installation >35' To 40', Add</i>	48.31	
<i>For Elevated Installation >40', Add</i>	53.14	
<i>For Work In Restricted Working Space, Add</i>	28.99	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.99	
26 05 33 13-1146 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	218.31	55.34
<i>For Elevated Installation >10' To 15', Add</i>	11.07	
<i>For Elevated Installation >15' To 20', Add</i>	22.14	
<i>For Elevated Installation >20' To 25', Add</i>	27.67	
<i>For Elevated Installation >25' To 30', Add</i>	38.74	
<i>For Elevated Installation >30' To 35', Add</i>	44.27	
<i>For Elevated Installation >35' To 40', Add</i>	55.34	
<i>For Elevated Installation >40', Add</i>	60.87	
<i>For Work In Restricted Working Space, Add</i>	33.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.20	
26 05 33 13-1147 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	287.83	64.12
<i>For Elevated Installation >10' To 15', Add</i>	12.83	
<i>For Elevated Installation >15' To 20', Add</i>	25.65	
<i>For Elevated Installation >20' To 25', Add</i>	32.06	
<i>For Elevated Installation >25' To 30', Add</i>	44.89	
<i>For Elevated Installation >30' To 35', Add</i>	51.30	
<i>For Elevated Installation >35' To 40', Add</i>	64.13	
<i>For Elevated Installation >40', Add</i>	70.54	
<i>For Work In Restricted Working Space, Add</i>	38.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.48	
26 05 33 13-1148 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	360.27	70.28
<i>For Elevated Installation >10' To 15', Add</i>	14.06	
<i>For Elevated Installation >15' To 20', Add</i>	28.11	
<i>For Elevated Installation >20' To 25', Add</i>	35.14	
<i>For Elevated Installation >25' To 30', Add</i>	49.19	
<i>For Elevated Installation >30' To 35', Add</i>	56.22	
<i>For Elevated Installation >35' To 40', Add</i>	70.28	
<i>For Elevated Installation >40', Add</i>	77.30	
<i>For Work In Restricted Working Space, Add</i>	42.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.17	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover		
<small>(26 05 33 13-0826)</small>		
26 05 33 13-1150 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	214.76	42.17
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Work In Restricted Working Space, Add	25.30	
26 05 33 13-1151 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	232.89	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
For Work In Restricted Working Space, Add	28.99	
26 05 33 13-1152 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	271.63	55.34
For Elevated Installation >10' To 15', Add	11.07	
For Elevated Installation >15' To 20', Add	22.14	
For Elevated Installation >20' To 25', Add	27.67	
For Elevated Installation >25' To 30', Add	38.74	
For Elevated Installation >30' To 35', Add	44.27	
For Elevated Installation >35' To 40', Add	55.34	
For Elevated Installation >40', Add	60.87	
For Work In Restricted Working Space, Add	33.20	
26 05 33 13-1153 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	380.38	64.12
For Elevated Installation >10' To 15', Add	12.83	
For Elevated Installation >15' To 20', Add	25.65	
For Elevated Installation >20' To 25', Add	32.06	
For Elevated Installation >25' To 30', Add	44.89	
For Elevated Installation >30' To 35', Add	51.30	
For Elevated Installation >35' To 40', Add	64.13	
For Elevated Installation >40', Add	70.54	
For Work In Restricted Working Space, Add	38.48	
26 05 33 13-1154 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	600.07	70.28
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
For Work In Restricted Working Space, Add	42.17	
26 05 33 13-1155 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	652.81	84.33
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.73	
For Elevated Installation >20' To 25', Add	42.17	
For Elevated Installation >25' To 30', Add	59.03	
For Elevated Installation >30' To 35', Add	67.46	
For Elevated Installation >35' To 40', Add	84.33	
For Elevated Installation >40', Add	92.76	
For Work In Restricted Working Space, Add	50.60	
26 05 33 13-1156 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover		
<small>(26 05 33 13-0826)</small>		
26 05 33 13-1157 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	233.28	42.17
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Work In Restricted Working Space, Add	25.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1158 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	263.79	48.31
<i>For Elevated Installation >10' To 15', Add</i>	9.66	
<i>For Elevated Installation >15' To 20', Add</i>	19.32	
<i>For Elevated Installation >20' To 25', Add</i>	24.16	
<i>For Elevated Installation >25' To 30', Add</i>	33.82	
<i>For Elevated Installation >30' To 35', Add</i>	38.65	
<i>For Elevated Installation >35' To 40', Add</i>	48.31	
<i>For Elevated Installation >40', Add</i>	53.14	
<i>For Work In Restricted Working Space, Add</i>	28.99	
26 05 33 13-1159 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	289.26	55.34
<i>For Elevated Installation >10' To 15', Add</i>	11.07	
<i>For Elevated Installation >15' To 20', Add</i>	22.14	
<i>For Elevated Installation >20' To 25', Add</i>	27.67	
<i>For Elevated Installation >25' To 30', Add</i>	38.74	
<i>For Elevated Installation >30' To 35', Add</i>	44.27	
<i>For Elevated Installation >35' To 40', Add</i>	55.34	
<i>For Elevated Installation >40', Add</i>	60.87	
<i>For Work In Restricted Working Space, Add</i>	33.20	
26 05 33 13-1160 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	398.29	64.12
<i>For Elevated Installation >10' To 15', Add</i>	12.83	
<i>For Elevated Installation >15' To 20', Add</i>	25.65	
<i>For Elevated Installation >20' To 25', Add</i>	32.06	
<i>For Elevated Installation >25' To 30', Add</i>	44.89	
<i>For Elevated Installation >30' To 35', Add</i>	51.30	
<i>For Elevated Installation >35' To 40', Add</i>	64.13	
<i>For Elevated Installation >40', Add</i>	70.54	
<i>For Work In Restricted Working Space, Add</i>	38.48	
26 05 33 13-1161 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	642.81	70.28
<i>For Elevated Installation >10' To 15', Add</i>	14.06	
<i>For Elevated Installation >15' To 20', Add</i>	28.11	
<i>For Elevated Installation >20' To 25', Add</i>	35.14	
<i>For Elevated Installation >25' To 30', Add</i>	49.19	
<i>For Elevated Installation >30' To 35', Add</i>	56.22	
<i>For Elevated Installation >35' To 40', Add</i>	70.28	
<i>For Elevated Installation >40', Add</i>	77.30	
<i>For Work In Restricted Working Space, Add</i>	42.17	
26 05 33 13-1162 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	692.04	84.33
<i>For Elevated Installation >10' To 15', Add</i>	16.87	
<i>For Elevated Installation >15' To 20', Add</i>	33.73	
<i>For Elevated Installation >20' To 25', Add</i>	42.17	
<i>For Elevated Installation >25' To 30', Add</i>	59.03	
<i>For Elevated Installation >30' To 35', Add</i>	67.46	
<i>For Elevated Installation >35' To 40', Add</i>	84.33	
<i>For Elevated Installation >40', Add</i>	92.76	
<i>For Work In Restricted Working Space, Add</i>	50.60	
26 05 33 13-1163 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0826)</small>		
26 05 33 13-1164 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	233.43	42.17
<i>For Elevated Installation >10' To 15', Add</i>	8.43	
<i>For Elevated Installation >15' To 20', Add</i>	16.87	
<i>For Elevated Installation >20' To 25', Add</i>	21.08	
<i>For Elevated Installation >25' To 30', Add</i>	29.52	
<i>For Elevated Installation >30' To 35', Add</i>	33.73	
<i>For Elevated Installation >35' To 40', Add</i>	42.17	
<i>For Elevated Installation >40', Add</i>	46.38	
<i>For Work In Restricted Working Space, Add</i>	25.30	
26 05 33 13-1165 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	258.34	48.31
<i>For Elevated Installation >10' To 15', Add</i>	9.66	
<i>For Elevated Installation >15' To 20', Add</i>	19.33	
<i>For Elevated Installation >20' To 25', Add</i>	24.16	
<i>For Elevated Installation >25' To 30', Add</i>	33.82	
<i>For Elevated Installation >30' To 35', Add</i>	38.65	
<i>For Elevated Installation >35' To 40', Add</i>	48.32	
<i>For Elevated Installation >40', Add</i>	53.15	
<i>For Work In Restricted Working Space, Add</i>	28.99	
26 05 33 13-1166 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	306.28	55.34
<i>For Elevated Installation >10' To 15', Add</i>	11.07	
<i>For Elevated Installation >15' To 20', Add</i>	22.14	
<i>For Elevated Installation >20' To 25', Add</i>	27.67	
<i>For Elevated Installation >25' To 30', Add</i>	38.74	
<i>For Elevated Installation >30' To 35', Add</i>	44.27	
<i>For Elevated Installation >35' To 40', Add</i>	55.34	
<i>For Elevated Installation >40', Add</i>	60.87	
<i>For Work In Restricted Working Space, Add</i>	33.20	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1167	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	411.94	64.12
			<i>For Elevated Installation >10' To 15', Add</i>	12.83	
			<i>For Elevated Installation >15' To 20', Add</i>	25.65	
			<i>For Elevated Installation >20' To 25', Add</i>	32.06	
			<i>For Elevated Installation >25' To 30', Add</i>	44.89	
			<i>For Elevated Installation >30' To 35', Add</i>	51.30	
			<i>For Elevated Installation >35' To 40', Add</i>	64.13	
			<i>For Elevated Installation >40', Add</i>	70.54	
			<i>For Work In Restricted Working Space, Add</i>	38.48	
26 05 33 13-1168	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	663.17	70.28
			<i>For Elevated Installation >10' To 15', Add</i>	14.06	
			<i>For Elevated Installation >15' To 20', Add</i>	28.11	
			<i>For Elevated Installation >20' To 25', Add</i>	35.14	
			<i>For Elevated Installation >25' To 30', Add</i>	49.19	
			<i>For Elevated Installation >30' To 35', Add</i>	56.22	
			<i>For Elevated Installation >35' To 40', Add</i>	70.28	
			<i>For Elevated Installation >40', Add</i>	77.30	
			<i>For Work In Restricted Working Space, Add</i>	42.17	
26 05 33 13-1169	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	717.14	84.33
			<i>For Elevated Installation >10' To 15', Add</i>	16.87	
			<i>For Elevated Installation >15' To 20', Add</i>	33.73	
			<i>For Elevated Installation >20' To 25', Add</i>	42.17	
			<i>For Elevated Installation >25' To 30', Add</i>	59.03	
			<i>For Elevated Installation >30' To 35', Add</i>	67.46	
			<i>For Elevated Installation >35' To 40', Add</i>	84.33	
			<i>For Elevated Installation >40', Add</i>	92.76	
			<i>For Work In Restricted Working Space, Add</i>	50.60	
26 05 33 13-1170 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover (26 05 33 13-0826)					
26 05 33 13-1171	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	284.72	42.17
			<i>For Elevated Installation >10' To 15', Add</i>	8.43	
			<i>For Elevated Installation >15' To 20', Add</i>	16.87	
			<i>For Elevated Installation >20' To 25', Add</i>	21.08	
			<i>For Elevated Installation >25' To 30', Add</i>	29.52	
			<i>For Elevated Installation >30' To 35', Add</i>	33.73	
			<i>For Elevated Installation >35' To 40', Add</i>	42.17	
			<i>For Elevated Installation >40', Add</i>	46.38	
			<i>For Work In Restricted Working Space, Add</i>	25.30	
26 05 33 13-1172	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	315.36	48.31
			<i>For Elevated Installation >10' To 15', Add</i>	9.66	
			<i>For Elevated Installation >15' To 20', Add</i>	19.33	
			<i>For Elevated Installation >20' To 25', Add</i>	24.16	
			<i>For Elevated Installation >25' To 30', Add</i>	33.82	
			<i>For Elevated Installation >30' To 35', Add</i>	38.65	
			<i>For Elevated Installation >35' To 40', Add</i>	48.32	
			<i>For Elevated Installation >40', Add</i>	53.15	
			<i>For Work In Restricted Working Space, Add</i>	28.99	
26 05 33 13-1173	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	343.36	55.34
			<i>For Elevated Installation >10' To 15', Add</i>	11.07	
			<i>For Elevated Installation >15' To 20', Add</i>	22.14	
			<i>For Elevated Installation >20' To 25', Add</i>	27.67	
			<i>For Elevated Installation >25' To 30', Add</i>	38.74	
			<i>For Elevated Installation >30' To 35', Add</i>	44.27	
			<i>For Elevated Installation >35' To 40', Add</i>	55.34	
			<i>For Elevated Installation >40', Add</i>	60.87	
			<i>For Work In Restricted Working Space, Add</i>	33.20	
26 05 33 13-1174	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	826.49	64.12
			<i>For Elevated Installation >10' To 15', Add</i>	12.83	
			<i>For Elevated Installation >15' To 20', Add</i>	25.65	
			<i>For Elevated Installation >20' To 25', Add</i>	32.06	
			<i>For Elevated Installation >25' To 30', Add</i>	44.89	
			<i>For Elevated Installation >30' To 35', Add</i>	51.30	
			<i>For Elevated Installation >35' To 40', Add</i>	64.13	
			<i>For Elevated Installation >40', Add</i>	70.54	
			<i>For Work In Restricted Working Space, Add</i>	38.48	

26 05 33 13-1175 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes (26 05 33 13-0826)
 Note: Excludes cover.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1176 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	147.95	42.17
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Work In Restricted Working Space, Add	25.30	
26 05 33 13-1177 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	163.69	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.33	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.32	
For Elevated Installation >40', Add	53.15	
For Work In Restricted Working Space, Add	28.99	
26 05 33 13-1178 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	183.49	55.34
For Elevated Installation >10' To 15', Add	11.07	
For Elevated Installation >15' To 20', Add	22.14	
For Elevated Installation >20' To 25', Add	27.67	
For Elevated Installation >25' To 30', Add	38.74	
For Elevated Installation >30' To 35', Add	44.27	
For Elevated Installation >35' To 40', Add	55.34	
For Elevated Installation >40', Add	60.87	
For Work In Restricted Working Space, Add	33.20	
26 05 33 13-1179 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	161.86	42.17
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Work In Restricted Working Space, Add	25.30	
26 05 33 13-1180 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	175.86	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.33	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.32	
For Elevated Installation >40', Add	53.15	
For Work In Restricted Working Space, Add	28.99	
26 05 33 13-1181 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	200.40	55.34
For Elevated Installation >10' To 15', Add	11.07	
For Elevated Installation >15' To 20', Add	22.14	
For Elevated Installation >20' To 25', Add	27.67	
For Elevated Installation >25' To 30', Add	38.74	
For Elevated Installation >30' To 35', Add	44.27	
For Elevated Installation >35' To 40', Add	55.34	
For Elevated Installation >40', Add	60.87	
For Work In Restricted Working Space, Add	33.20	
26 05 33 13-1182 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes <small>(26 05 33 13-0826)</small>		
Note: Excludes cover.		
26 05 33 13-1183 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	154.53	42.17
For Elevated Installation >10' To 15', Add	8.43	
For Elevated Installation >15' To 20', Add	16.87	
For Elevated Installation >20' To 25', Add	21.08	
For Elevated Installation >25' To 30', Add	29.52	
For Elevated Installation >30' To 35', Add	33.73	
For Elevated Installation >35' To 40', Add	42.17	
For Elevated Installation >40', Add	46.38	
For Work In Restricted Working Space, Add	25.30	
26 05 33 13-1184 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	171.09	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.33	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.32	
For Elevated Installation >40', Add	53.15	
For Work In Restricted Working Space, Add	28.99	
26 05 33 13-1185 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	188.61	55.34
For Elevated Installation >10' To 15', Add	11.07	
For Elevated Installation >15' To 20', Add	22.14	
For Elevated Installation >20' To 25', Add	27.67	
For Elevated Installation >25' To 30', Add	38.74	
For Elevated Installation >30' To 35', Add	44.27	
For Elevated Installation >35' To 40', Add	55.34	
For Elevated Installation >40', Add	60.87	
For Work In Restricted Working Space, Add	33.20	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1186	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	171.26	42.17
			<i>For Elevated Installation >10' To 15', Add</i>	8.43	
			<i>For Elevated Installation >15' To 20', Add</i>	16.87	
			<i>For Elevated Installation >20' To 25', Add</i>	21.08	
			<i>For Elevated Installation >25' To 30', Add</i>	29.52	
			<i>For Elevated Installation >30' To 35', Add</i>	33.73	
			<i>For Elevated Installation >35' To 40', Add</i>	42.17	
			<i>For Elevated Installation >40', Add</i>	46.38	
			<i>For Work In Restricted Working Space, Add</i>	25.30	
26 05 33	13-1187	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	188.00	48.31
			<i>For Elevated Installation >10' To 15', Add</i>	9.66	
			<i>For Elevated Installation >15' To 20', Add</i>	19.33	
			<i>For Elevated Installation >20' To 25', Add</i>	24.16	
			<i>For Elevated Installation >25' To 30', Add</i>	33.82	
			<i>For Elevated Installation >30' To 35', Add</i>	38.65	
			<i>For Elevated Installation >35' To 40', Add</i>	48.32	
			<i>For Elevated Installation >40', Add</i>	53.15	
			<i>For Work In Restricted Working Space, Add</i>	28.99	
26 05 33	13-1188	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	212.89	55.34
			<i>For Elevated Installation >10' To 15', Add</i>	11.07	
			<i>For Elevated Installation >15' To 20', Add</i>	22.14	
			<i>For Elevated Installation >20' To 25', Add</i>	27.67	
			<i>For Elevated Installation >25' To 30', Add</i>	38.74	
			<i>For Elevated Installation >30' To 35', Add</i>	44.27	
			<i>For Elevated Installation >35' To 40', Add</i>	55.34	
			<i>For Elevated Installation >40', Add</i>	60.87	
			<i>For Work In Restricted Working Space, Add</i>	33.20	
26 05 33 13-1189 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers					
			<small>(26 05 33 13-0826)</small>		
26 05 33	13-1190	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	49.91	5.27
			<i>For Elevated Installation >10' To 15', Add</i>	1.05	
			<i>For Elevated Installation >15' To 20', Add</i>	2.11	
			<i>For Elevated Installation >20' To 25', Add</i>	2.64	
			<i>For Elevated Installation >25' To 30', Add</i>	3.69	
			<i>For Elevated Installation >30' To 35', Add</i>	4.22	
			<i>For Elevated Installation >35' To 40', Add</i>	5.27	
			<i>For Elevated Installation >40', Add</i>	5.80	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
26 05 33	13-1191	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover	67.37	6.15
			<i>For Elevated Installation >10' To 15', Add</i>	1.23	
			<i>For Elevated Installation >15' To 20', Add</i>	2.46	
			<i>For Elevated Installation >20' To 25', Add</i>	3.08	
			<i>For Elevated Installation >25' To 30', Add</i>	4.31	
			<i>For Elevated Installation >30' To 35', Add</i>	4.92	
			<i>For Elevated Installation >35' To 40', Add</i>	6.15	
			<i>For Elevated Installation >40', Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
26 05 33	13-1192	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover	63.76	6.15
			<i>For Elevated Installation >10' To 15', Add</i>	1.23	
			<i>For Elevated Installation >15' To 20', Add</i>	2.46	
			<i>For Elevated Installation >20' To 25', Add</i>	3.08	
			<i>For Elevated Installation >25' To 30', Add</i>	4.31	
			<i>For Elevated Installation >30' To 35', Add</i>	4.92	
			<i>For Elevated Installation >35' To 40', Add</i>	6.15	
			<i>For Elevated Installation >40', Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
26 05 33	13-1193	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover	57.02	6.15
			<i>For Elevated Installation >10' To 15', Add</i>	1.23	
			<i>For Elevated Installation >15' To 20', Add</i>	2.46	
			<i>For Elevated Installation >20' To 25', Add</i>	3.08	
			<i>For Elevated Installation >25' To 30', Add</i>	4.31	
			<i>For Elevated Installation >30' To 35', Add</i>	4.92	
			<i>For Elevated Installation >35' To 40', Add</i>	6.15	
			<i>For Elevated Installation >40', Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
26 05 33	13-1194	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	267.44	8.79
			<i>For Elevated Installation >10' To 15', Add</i>	1.76	
			<i>For Elevated Installation >15' To 20', Add</i>	3.51	
			<i>For Elevated Installation >20' To 25', Add</i>	4.39	
			<i>For Elevated Installation >25' To 30', Add</i>	6.15	
			<i>For Elevated Installation >30' To 35', Add</i>	7.03	
			<i>For Elevated Installation >35' To 40', Add</i>	8.79	
			<i>For Elevated Installation >40', Add</i>	9.66	
			<i>For Work In Restricted Working Space, Add</i>	5.27	
26 05 33	13-1195	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	238.21	8.79
			<i>For Elevated Installation >10' To 15', Add</i>	1.76	
			<i>For Elevated Installation >15' To 20', Add</i>	3.51	
			<i>For Elevated Installation >20' To 25', Add</i>	4.39	
			<i>For Elevated Installation >25' To 30', Add</i>	6.15	
			<i>For Elevated Installation >30' To 35', Add</i>	7.03	
			<i>For Elevated Installation >35' To 40', Add</i>	8.79	
			<i>For Elevated Installation >40', Add</i>	9.66	
			<i>For Work In Restricted Working Space, Add</i>	5.27	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1196				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies <small>(26 05 33 13-0826)</small> Note: Includes covers.		
26 05 33 13-1197	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	302.51	55.34
				For Elevated Installation >10' To 15', Add	11.07	
				For Elevated Installation >15' To 20', Add	22.14	
				For Elevated Installation >20' To 25', Add	27.67	
				For Elevated Installation >25' To 30', Add	38.74	
				For Elevated Installation >30' To 35', Add	44.27	
				For Elevated Installation >35' To 40', Add	55.34	
				For Elevated Installation >40', Add	60.87	
				For Work In Restricted Working Space, Add	33.20	
26 05 33 13-1198	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	340.78	64.12
				For Elevated Installation >10' To 15', Add	12.83	
				For Elevated Installation >15' To 20', Add	25.65	
				For Elevated Installation >20' To 25', Add	32.06	
				For Elevated Installation >25' To 30', Add	44.89	
				For Elevated Installation >30' To 35', Add	51.30	
				For Elevated Installation >35' To 40', Add	64.13	
				For Elevated Installation >40', Add	70.54	
				For Work In Restricted Working Space, Add	38.48	
26 05 33 13-1199	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	461.39	70.28
				For Elevated Installation >10' To 15', Add	14.06	
				For Elevated Installation >15' To 20', Add	28.11	
				For Elevated Installation >20' To 25', Add	35.14	
				For Elevated Installation >25' To 30', Add	49.19	
				For Elevated Installation >30' To 35', Add	56.22	
				For Elevated Installation >35' To 40', Add	70.28	
				For Elevated Installation >40', Add	77.30	
				For Work In Restricted Working Space, Add	42.17	
26 05 33 13-1200	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	550.08	84.33
				For Elevated Installation >10' To 15', Add	16.87	
				For Elevated Installation >15' To 20', Add	33.73	
				For Elevated Installation >20' To 25', Add	42.17	
				For Elevated Installation >25' To 30', Add	59.03	
				For Elevated Installation >30' To 35', Add	67.46	
				For Elevated Installation >35' To 40', Add	84.33	
				For Elevated Installation >40', Add	92.76	
				For Work In Restricted Working Space, Add	50.60	
26 05 33 13-1201	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	793.05	118.59
				For Elevated Installation >10' To 15', Add	23.72	
				For Elevated Installation >15' To 20', Add	47.43	
				For Elevated Installation >20' To 25', Add	59.29	
				For Elevated Installation >25' To 30', Add	83.01	
				For Elevated Installation >30' To 35', Add	94.87	
				For Elevated Installation >35' To 40', Add	118.59	
				For Elevated Installation >40', Add	130.44	
				For Work In Restricted Working Space, Add	71.15	
26 05 33 13-1202	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,004.92	158.12
				For Elevated Installation >10' To 15', Add	31.62	
				For Elevated Installation >15' To 20', Add	63.25	
				For Elevated Installation >20' To 25', Add	79.06	
				For Elevated Installation >25' To 30', Add	110.68	
				For Elevated Installation >30' To 35', Add	126.49	
				For Elevated Installation >35' To 40', Add	158.12	
				For Elevated Installation >40', Add	173.93	
				For Work In Restricted Working Space, Add	94.87	
26 05 33 13-1203	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,455.95	197.64
				For Elevated Installation >10' To 15', Add	39.53	
				For Elevated Installation >15' To 20', Add	79.06	
				For Elevated Installation >20' To 25', Add	98.82	
				For Elevated Installation >25' To 30', Add	138.35	
				For Elevated Installation >30' To 35', Add	158.12	
				For Elevated Installation >35' To 40', Add	197.65	
				For Elevated Installation >40', Add	217.41	
				For Work In Restricted Working Space, Add	118.59	
26 05 33 13-1204	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,804.28	240.68
				For Elevated Installation >10' To 15', Add	48.14	
				For Elevated Installation >15' To 20', Add	96.28	
				For Elevated Installation >20' To 25', Add	120.35	
				For Elevated Installation >25' To 30', Add	168.48	
				For Elevated Installation >30' To 35', Add	192.55	
				For Elevated Installation >35' To 40', Add	240.69	
				For Elevated Installation >40', Add	264.76	
				For Work In Restricted Working Space, Add	144.41	
26 05 33 13-1205	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	302.51	55.34
				For Elevated Installation >10' To 15', Add	11.07	
				For Elevated Installation >15' To 20', Add	22.14	
				For Elevated Installation >20' To 25', Add	27.67	
				For Elevated Installation >25' To 30', Add	38.74	
				For Elevated Installation >30' To 35', Add	44.27	
				For Elevated Installation >35' To 40', Add	55.34	
				For Elevated Installation >40', Add	60.87	
				For Work In Restricted Working Space, Add	33.20	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1206 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....340.78	340.78	64.12
For Elevated Installation >10' To 15', Add	12.83	
For Elevated Installation >15' To 20', Add	25.65	
For Elevated Installation >20' To 25', Add	32.06	
For Elevated Installation >25' To 30', Add	44.89	
For Elevated Installation >30' To 35', Add	51.30	
For Elevated Installation >35' To 40', Add	64.13	
For Elevated Installation >40', Add	70.54	
For Work In Restricted Working Space, Add	38.48	
26 05 33 13-1207 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....460.21	460.21	70.28
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
For Work In Restricted Working Space, Add	42.17	
26 05 33 13-1208 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....538.18	538.18	84.33
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.73	
For Elevated Installation >20' To 25', Add	42.17	
For Elevated Installation >25' To 30', Add	59.03	
For Elevated Installation >30' To 35', Add	67.46	
For Elevated Installation >35' To 40', Add	84.33	
For Elevated Installation >40', Add	92.76	
For Work In Restricted Working Space, Add	50.60	
26 05 33 13-1209 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....804.01	804.01	118.59
For Elevated Installation >10' To 15', Add	23.72	
For Elevated Installation >15' To 20', Add	47.43	
For Elevated Installation >20' To 25', Add	59.29	
For Elevated Installation >25' To 30', Add	83.01	
For Elevated Installation >30' To 35', Add	94.87	
For Elevated Installation >35' To 40', Add	118.59	
For Elevated Installation >40', Add	130.44	
For Work In Restricted Working Space, Add	71.15	
26 05 33 13-1210 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....1,054.09	1,054.09	158.12
For Elevated Installation >10' To 15', Add	31.62	
For Elevated Installation >15' To 20', Add	63.25	
For Elevated Installation >20' To 25', Add	79.06	
For Elevated Installation >25' To 30', Add	110.68	
For Elevated Installation >30' To 35', Add	126.49	
For Elevated Installation >35' To 40', Add	158.12	
For Elevated Installation >40', Add	173.93	
For Work In Restricted Working Space, Add	94.87	
26 05 33 13-1211 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....1,515.31	1,515.31	197.64
For Elevated Installation >10' To 15', Add	39.53	
For Elevated Installation >15' To 20', Add	79.06	
For Elevated Installation >20' To 25', Add	98.82	
For Elevated Installation >25' To 30', Add	138.35	
For Elevated Installation >30' To 35', Add	158.12	
For Elevated Installation >35' To 40', Add	197.65	
For Elevated Installation >40', Add	217.41	
For Work In Restricted Working Space, Add	118.59	
26 05 33 13-1212 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....1,841.24	1,841.24	240.68
For Elevated Installation >10' To 15', Add	48.14	
For Elevated Installation >15' To 20', Add	96.28	
For Elevated Installation >20' To 25', Add	120.35	
For Elevated Installation >25' To 30', Add	168.48	
For Elevated Installation >30' To 35', Add	192.55	
For Elevated Installation >35' To 40', Add	240.69	
For Elevated Installation >40', Add	264.76	
For Work In Restricted Working Space, Add	144.41	
26 05 33 13-1213 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....302.51	302.51	55.34
For Elevated Installation >10' To 15', Add	11.07	
For Elevated Installation >15' To 20', Add	22.14	
For Elevated Installation >20' To 25', Add	27.67	
For Elevated Installation >25' To 30', Add	38.74	
For Elevated Installation >30' To 35', Add	44.27	
For Elevated Installation >35' To 40', Add	55.34	
For Elevated Installation >40', Add	60.87	
For Work In Restricted Working Space, Add	33.20	
26 05 33 13-1214 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....340.78	340.78	64.12
For Elevated Installation >10' To 15', Add	12.83	
For Elevated Installation >15' To 20', Add	25.65	
For Elevated Installation >20' To 25', Add	32.06	
For Elevated Installation >25' To 30', Add	44.89	
For Elevated Installation >30' To 35', Add	51.30	
For Elevated Installation >35' To 40', Add	64.13	
For Elevated Installation >40', Add	70.54	
For Work In Restricted Working Space, Add	38.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1215 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	460.21	70.28
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
For Work In Restricted Working Space, Add	42.17	
26 05 33 13-1216 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	538.18	84.33
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.73	
For Elevated Installation >20' To 25', Add	42.17	
For Elevated Installation >25' To 30', Add	59.03	
For Elevated Installation >30' To 35', Add	67.46	
For Elevated Installation >35' To 40', Add	84.33	
For Elevated Installation >40', Add	92.76	
For Work In Restricted Working Space, Add	50.60	
26 05 33 13-1217 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	804.01	118.59
For Elevated Installation >10' To 15', Add	23.72	
For Elevated Installation >15' To 20', Add	47.43	
For Elevated Installation >20' To 25', Add	59.29	
For Elevated Installation >25' To 30', Add	83.01	
For Elevated Installation >30' To 35', Add	94.87	
For Elevated Installation >35' To 40', Add	118.59	
For Elevated Installation >40', Add	130.44	
For Work In Restricted Working Space, Add	71.15	
26 05 33 13-1218 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	1,054.09	158.12
For Elevated Installation >10' To 15', Add	31.62	
For Elevated Installation >15' To 20', Add	63.25	
For Elevated Installation >20' To 25', Add	79.06	
For Elevated Installation >25' To 30', Add	110.68	
For Elevated Installation >30' To 35', Add	126.49	
For Elevated Installation >35' To 40', Add	158.12	
For Elevated Installation >40', Add	173.93	
For Work In Restricted Working Space, Add	94.87	
26 05 33 13-1219 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,515.31	197.64
For Elevated Installation >10' To 15', Add	39.53	
For Elevated Installation >15' To 20', Add	79.06	
For Elevated Installation >20' To 25', Add	98.82	
For Elevated Installation >25' To 30', Add	138.35	
For Elevated Installation >30' To 35', Add	158.12	
For Elevated Installation >35' To 40', Add	197.65	
For Elevated Installation >40', Add	217.41	
For Work In Restricted Working Space, Add	118.59	
26 05 33 13-1220 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	1,841.24	240.68
For Elevated Installation >10' To 15', Add	48.14	
For Elevated Installation >15' To 20', Add	96.28	
For Elevated Installation >20' To 25', Add	120.35	
For Elevated Installation >25' To 30', Add	168.48	
For Elevated Installation >30' To 35', Add	192.55	
For Elevated Installation >35' To 40', Add	240.69	
For Elevated Installation >40', Add	264.76	
For Work In Restricted Working Space, Add	144.41	
26 05 33 13-1221 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	302.51	55.34
For Elevated Installation >10' To 15', Add	11.07	
For Elevated Installation >15' To 20', Add	22.14	
For Elevated Installation >20' To 25', Add	27.67	
For Elevated Installation >25' To 30', Add	38.74	
For Elevated Installation >30' To 35', Add	44.27	
For Elevated Installation >35' To 40', Add	55.34	
For Elevated Installation >40', Add	60.87	
For Work In Restricted Working Space, Add	33.20	
26 05 33 13-1222 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	340.78	64.12
For Elevated Installation >10' To 15', Add	12.83	
For Elevated Installation >15' To 20', Add	25.65	
For Elevated Installation >20' To 25', Add	32.06	
For Elevated Installation >25' To 30', Add	44.89	
For Elevated Installation >30' To 35', Add	51.30	
For Elevated Installation >35' To 40', Add	64.13	
For Elevated Installation >40', Add	70.54	
For Work In Restricted Working Space, Add	38.48	
26 05 33 13-1223 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	461.39	70.28
For Elevated Installation >10' To 15', Add	14.06	
For Elevated Installation >15' To 20', Add	28.11	
For Elevated Installation >20' To 25', Add	35.14	
For Elevated Installation >25' To 30', Add	49.19	
For Elevated Installation >30' To 35', Add	56.22	
For Elevated Installation >35' To 40', Add	70.28	
For Elevated Installation >40', Add	77.30	
For Work In Restricted Working Space, Add	42.17	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1224 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	544.59	84.33
For Elevated Installation >10' To 15', Add	16.87	
For Elevated Installation >15' To 20', Add	33.73	
For Elevated Installation >20' To 25', Add	42.17	
For Elevated Installation >25' To 30', Add	59.03	
For Elevated Installation >30' To 35', Add	67.46	
For Elevated Installation >35' To 40', Add	84.33	
For Elevated Installation >40', Add	92.76	
For Work In Restricted Working Space, Add	50.60	
26 05 33 13-1225 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	793.05	118.59
For Elevated Installation >10' To 15', Add	23.72	
For Elevated Installation >15' To 20', Add	47.43	
For Elevated Installation >20' To 25', Add	59.29	
For Elevated Installation >25' To 30', Add	83.01	
For Elevated Installation >30' To 35', Add	94.87	
For Elevated Installation >35' To 40', Add	118.59	
For Elevated Installation >40', Add	130.44	
For Work In Restricted Working Space, Add	71.15	
26 05 33 13-1226 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,004.92	158.12
For Elevated Installation >10' To 15', Add	31.62	
For Elevated Installation >15' To 20', Add	63.25	
For Elevated Installation >20' To 25', Add	79.06	
For Elevated Installation >25' To 30', Add	110.68	
For Elevated Installation >30' To 35', Add	126.49	
For Elevated Installation >35' To 40', Add	158.12	
For Elevated Installation >40', Add	173.93	
For Work In Restricted Working Space, Add	94.87	
26 05 33 13-1227 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,455.95	197.64
For Elevated Installation >10' To 15', Add	39.53	
For Elevated Installation >15' To 20', Add	79.06	
For Elevated Installation >20' To 25', Add	98.82	
For Elevated Installation >25' To 30', Add	138.35	
For Elevated Installation >30' To 35', Add	158.12	
For Elevated Installation >35' To 40', Add	197.65	
For Elevated Installation >40', Add	217.41	
For Work In Restricted Working Space, Add	118.59	
26 05 33 13-1228 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,819.68	240.68
For Elevated Installation >10' To 15', Add	48.14	
For Elevated Installation >15' To 20', Add	96.28	
For Elevated Installation >20' To 25', Add	120.35	
For Elevated Installation >25' To 30', Add	168.48	
For Elevated Installation >30' To 35', Add	192.55	
For Elevated Installation >35' To 40', Add	240.69	
For Elevated Installation >40', Add	264.76	
For Work In Restricted Working Space, Add	144.41	
26 05 33 13-1229 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers (26 05 33 13-0826)		
26 05 33 13-1230 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	140.79	7.91
For Elevated Installation >10' To 15', Add	1.58	
For Elevated Installation >15' To 20', Add	3.16	
For Elevated Installation >20' To 25', Add	3.95	
For Elevated Installation >25' To 30', Add	5.53	
For Elevated Installation >30' To 35', Add	6.32	
For Elevated Installation >35' To 40', Add	7.91	
For Elevated Installation >40', Add	8.70	
For Work In Restricted Working Space, Add	4.74	
26 05 33 13-1231 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	142.55	8.79
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.15	
For Elevated Installation >30' To 35', Add	7.03	
For Elevated Installation >35' To 40', Add	8.79	
For Elevated Installation >40', Add	9.66	
For Work In Restricted Working Space, Add	5.27	
26 05 33 13-1232 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	201.45	12.30
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.92	
For Elevated Installation >20' To 25', Add	6.15	
For Elevated Installation >25' To 30', Add	8.61	
For Elevated Installation >30' To 35', Add	9.84	
For Elevated Installation >35' To 40', Add	12.30	
For Elevated Installation >40', Add	13.52	
For Work In Restricted Working Space, Add	7.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1233 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	204.97	14.06
<i>For Elevated Installation >10' To 15', Add</i>	2.81	
<i>For Elevated Installation >15' To 20', Add</i>	5.62	
<i>For Elevated Installation >20' To 25', Add</i>	7.03	
<i>For Elevated Installation >25' To 30', Add</i>	9.84	
<i>For Elevated Installation >30' To 35', Add</i>	11.24	
<i>For Elevated Installation >35' To 40', Add</i>	14.06	
<i>For Elevated Installation >40', Add</i>	15.46	
<i>For Work In Restricted Working Space, Add</i>	8.43	
26 05 33 13-1234 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	354.32	16.69
<i>For Elevated Installation >10' To 15', Add</i>	3.34	
<i>For Elevated Installation >15' To 20', Add</i>	6.68	
<i>For Elevated Installation >20' To 25', Add</i>	8.35	
<i>For Elevated Installation >25' To 30', Add</i>	11.68	
<i>For Elevated Installation >30' To 35', Add</i>	13.35	
<i>For Elevated Installation >35' To 40', Add</i>	16.69	
<i>For Elevated Installation >40', Add</i>	18.36	
<i>For Work In Restricted Working Space, Add</i>	10.01	
26 05 33 13-1235 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	363.11	21.08
<i>For Elevated Installation >10' To 15', Add</i>	4.22	
<i>For Elevated Installation >15' To 20', Add</i>	8.43	
<i>For Elevated Installation >20' To 25', Add</i>	10.54	
<i>For Elevated Installation >25' To 30', Add</i>	14.76	
<i>For Elevated Installation >30' To 35', Add</i>	16.87	
<i>For Elevated Installation >35' To 40', Add</i>	21.09	
<i>For Elevated Installation >40', Add</i>	23.19	
<i>For Work In Restricted Working Space, Add</i>	12.65	
26 05 33 13-1236 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	542.95	23.72
<i>For Elevated Installation >10' To 15', Add</i>	4.74	
<i>For Elevated Installation >15' To 20', Add</i>	9.49	
<i>For Elevated Installation >20' To 25', Add</i>	11.86	
<i>For Elevated Installation >25' To 30', Add</i>	16.60	
<i>For Elevated Installation >30' To 35', Add</i>	18.98	
<i>For Elevated Installation >35' To 40', Add</i>	23.72	
<i>For Elevated Installation >40', Add</i>	26.09	
<i>For Work In Restricted Working Space, Add</i>	14.23	
26 05 33 13-1237 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	557.00	30.74
<i>For Elevated Installation >10' To 15', Add</i>	6.15	
<i>For Elevated Installation >15' To 20', Add</i>	12.30	
<i>For Elevated Installation >20' To 25', Add</i>	15.37	
<i>For Elevated Installation >25' To 30', Add</i>	21.52	
<i>For Elevated Installation >30' To 35', Add</i>	24.60	
<i>For Elevated Installation >35' To 40', Add</i>	30.75	
<i>For Elevated Installation >40', Add</i>	33.82	
<i>For Work In Restricted Working Space, Add</i>	18.45	
26 05 33 13-1238 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings <small>(26 05 33 13-0826)</small>		
26 05 33 13-1239 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	246.55	21.96
<i>For Elevated Installation >10' To 15', Add</i>	4.39	
<i>For Elevated Installation >15' To 20', Add</i>	8.78	
<i>For Elevated Installation >20' To 25', Add</i>	10.98	
<i>For Elevated Installation >25' To 30', Add</i>	15.37	
<i>For Elevated Installation >30' To 35', Add</i>	17.57	
<i>For Elevated Installation >35' To 40', Add</i>	21.96	
<i>For Elevated Installation >40', Add</i>	24.16	
<i>For Work In Restricted Working Space, Add</i>	13.18	
26 05 33 13-1240 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	291.93	27.23
<i>For Elevated Installation >10' To 15', Add</i>	5.45	
<i>For Elevated Installation >15' To 20', Add</i>	10.89	
<i>For Elevated Installation >20' To 25', Add</i>	13.62	
<i>For Elevated Installation >25' To 30', Add</i>	19.06	
<i>For Elevated Installation >30' To 35', Add</i>	21.78	
<i>For Elevated Installation >35' To 40', Add</i>	27.23	
<i>For Elevated Installation >40', Add</i>	29.95	
<i>For Work In Restricted Working Space, Add</i>	16.34	
26 05 33 13-1241 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	346.12	33.38
<i>For Elevated Installation >10' To 15', Add</i>	6.68	
<i>For Elevated Installation >15' To 20', Add</i>	13.35	
<i>For Elevated Installation >20' To 25', Add</i>	16.69	
<i>For Elevated Installation >25' To 30', Add</i>	23.37	
<i>For Elevated Installation >30' To 35', Add</i>	26.70	
<i>For Elevated Installation >35' To 40', Add</i>	33.38	
<i>For Elevated Installation >40', Add</i>	36.72	
<i>For Work In Restricted Working Space, Add</i>	20.03	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1242 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	425.18	38.65
For Elevated Installation >10' To 15', Add	7.73	
For Elevated Installation >15' To 20', Add	15.46	
For Elevated Installation >20' To 25', Add	19.33	
For Elevated Installation >25' To 30', Add	27.06	
For Elevated Installation >30' To 35', Add	30.92	
For Elevated Installation >35' To 40', Add	38.65	
For Elevated Installation >40', Add	42.52	
For Work In Restricted Working Space, Add	23.19	
26 05 33 13-1243 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	564.59	43.92
For Elevated Installation >10' To 15', Add	8.78	
For Elevated Installation >15' To 20', Add	17.57	
For Elevated Installation >20' To 25', Add	21.96	
For Elevated Installation >25' To 30', Add	30.74	
For Elevated Installation >30' To 35', Add	35.14	
For Elevated Installation >35' To 40', Add	43.92	
For Elevated Installation >40', Add	48.31	
For Work In Restricted Working Space, Add	26.35	
26 05 33 13-1244 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	775.57	48.31
For Elevated Installation >10' To 15', Add	9.66	
For Elevated Installation >15' To 20', Add	19.32	
For Elevated Installation >20' To 25', Add	24.16	
For Elevated Installation >25' To 30', Add	33.82	
For Elevated Installation >30' To 35', Add	38.65	
For Elevated Installation >35' To 40', Add	48.31	
For Elevated Installation >40', Add	53.14	
For Work In Restricted Working Space, Add	28.99	
26 05 33 13-1245 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,103.55	60.61
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
For Work In Restricted Working Space, Add	36.37	
26 05 33 13-1246 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,375.72	82.57
For Elevated Installation >10' To 15', Add	16.51	
For Elevated Installation >15' To 20', Add	33.03	
For Elevated Installation >20' To 25', Add	41.29	
For Elevated Installation >25' To 30', Add	57.80	
For Elevated Installation >30' To 35', Add	66.06	
For Elevated Installation >35' To 40', Add	82.57	
For Elevated Installation >40', Add	90.83	
For Work In Restricted Working Space, Add	49.54	
26 05 33 13-1247 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,919.08	93.11
For Elevated Installation >10' To 15', Add	18.62	
For Elevated Installation >15' To 20', Add	37.25	
For Elevated Installation >20' To 25', Add	46.56	
For Elevated Installation >25' To 30', Add	65.18	
For Elevated Installation >30' To 35', Add	74.49	
For Elevated Installation >35' To 40', Add	93.12	
For Elevated Installation >40', Add	102.43	
For Work In Restricted Working Space, Add	55.87	
26 05 33 13-1248 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,218.60	121.22
For Elevated Installation >10' To 15', Add	24.24	
For Elevated Installation >15' To 20', Add	48.49	
For Elevated Installation >20' To 25', Add	60.61	
For Elevated Installation >25' To 30', Add	84.85	
For Elevated Installation >30' To 35', Add	96.98	
For Elevated Installation >35' To 40', Add	121.22	
For Elevated Installation >40', Add	133.34	
For Work In Restricted Working Space, Add	72.73	
26 05 33 13-1249 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper <small>(26 05 33 13-0826)</small>		
26 05 33 13-1250 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	385.37	21.96
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.98	
For Elevated Installation >25' To 30', Add	15.37	
For Elevated Installation >30' To 35', Add	17.57	
For Elevated Installation >35' To 40', Add	21.96	
For Elevated Installation >40', Add	24.16	
For Work In Restricted Working Space, Add	13.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1251 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	402.34	27.23
<i>For Elevated Installation >10' To 15', Add</i>	5.45	
<i>For Elevated Installation >15' To 20', Add</i>	10.89	
<i>For Elevated Installation >20' To 25', Add</i>	13.62	
<i>For Elevated Installation >25' To 30', Add</i>	19.06	
<i>For Elevated Installation >30' To 35', Add</i>	21.78	
<i>For Elevated Installation >35' To 40', Add</i>	27.23	
<i>For Elevated Installation >40', Add</i>	29.95	
<i>For Work In Restricted Working Space, Add</i>	16.34	
26 05 33 13-1252 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	453.25	33.38
<i>For Elevated Installation >10' To 15', Add</i>	6.68	
<i>For Elevated Installation >15' To 20', Add</i>	13.35	
<i>For Elevated Installation >20' To 25', Add</i>	16.69	
<i>For Elevated Installation >25' To 30', Add</i>	23.37	
<i>For Elevated Installation >30' To 35', Add</i>	26.70	
<i>For Elevated Installation >35' To 40', Add</i>	33.38	
<i>For Elevated Installation >40', Add</i>	36.72	
<i>For Work In Restricted Working Space, Add</i>	20.03	
26 05 33 13-1253 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	547.62	38.65
<i>For Elevated Installation >10' To 15', Add</i>	7.73	
<i>For Elevated Installation >15' To 20', Add</i>	15.46	
<i>For Elevated Installation >20' To 25', Add</i>	19.33	
<i>For Elevated Installation >25' To 30', Add</i>	27.06	
<i>For Elevated Installation >30' To 35', Add</i>	30.92	
<i>For Elevated Installation >35' To 40', Add</i>	38.65	
<i>For Elevated Installation >40', Add</i>	42.52	
<i>For Work In Restricted Working Space, Add</i>	23.19	
26 05 33 13-1254 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	662.34	43.92
<i>For Elevated Installation >10' To 15', Add</i>	8.78	
<i>For Elevated Installation >15' To 20', Add</i>	17.57	
<i>For Elevated Installation >20' To 25', Add</i>	21.96	
<i>For Elevated Installation >25' To 30', Add</i>	30.74	
<i>For Elevated Installation >30' To 35', Add</i>	35.14	
<i>For Elevated Installation >35' To 40', Add</i>	43.92	
<i>For Elevated Installation >40', Add</i>	48.31	
<i>For Work In Restricted Working Space, Add</i>	26.35	
26 05 33 13-1255 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	842.87	48.31
<i>For Elevated Installation >10' To 15', Add</i>	9.66	
<i>For Elevated Installation >15' To 20', Add</i>	19.32	
<i>For Elevated Installation >20' To 25', Add</i>	24.16	
<i>For Elevated Installation >25' To 30', Add</i>	33.82	
<i>For Elevated Installation >30' To 35', Add</i>	38.65	
<i>For Elevated Installation >35' To 40', Add</i>	48.31	
<i>For Elevated Installation >40', Add</i>	53.14	
<i>For Work In Restricted Working Space, Add</i>	28.99	
26 05 33 13-1256 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,239.11	60.61
<i>For Elevated Installation >10' To 15', Add</i>	12.12	
<i>For Elevated Installation >15' To 20', Add</i>	24.24	
<i>For Elevated Installation >20' To 25', Add</i>	30.31	
<i>For Elevated Installation >25' To 30', Add</i>	42.43	
<i>For Elevated Installation >30' To 35', Add</i>	48.49	
<i>For Elevated Installation >35' To 40', Add</i>	60.61	
<i>For Elevated Installation >40', Add</i>	66.67	
<i>For Work In Restricted Working Space, Add</i>	36.37	
26 05 33 13-1257 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,556.87	82.57
<i>For Elevated Installation >10' To 15', Add</i>	16.51	
<i>For Elevated Installation >15' To 20', Add</i>	33.03	
<i>For Elevated Installation >20' To 25', Add</i>	41.29	
<i>For Elevated Installation >25' To 30', Add</i>	57.80	
<i>For Elevated Installation >30' To 35', Add</i>	66.06	
<i>For Elevated Installation >35' To 40', Add</i>	82.57	
<i>For Elevated Installation >40', Add</i>	90.83	
<i>For Work In Restricted Working Space, Add</i>	49.54	
26 05 33 13-1258 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,977.56	93.11
<i>For Elevated Installation >10' To 15', Add</i>	18.62	
<i>For Elevated Installation >15' To 20', Add</i>	37.25	
<i>For Elevated Installation >20' To 25', Add</i>	46.56	
<i>For Elevated Installation >25' To 30', Add</i>	65.18	
<i>For Elevated Installation >30' To 35', Add</i>	74.49	
<i>For Elevated Installation >35' To 40', Add</i>	93.12	
<i>For Elevated Installation >40', Add</i>	102.43	
<i>For Work In Restricted Working Space, Add</i>	55.87	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1259 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	2,477.62	121.22
For Elevated Installation >10' To 15', Add	24.24	
For Elevated Installation >15' To 20', Add	48.49	
For Elevated Installation >20' To 25', Add	60.61	
For Elevated Installation >25' To 30', Add	84.85	
For Elevated Installation >30' To 35', Add	96.98	
For Elevated Installation >35' To 40', Add	121.22	
For Elevated Installation >40', Add	133.34	
For Work In Restricted Working Space, Add	72.73	
26 05 33 13-1260 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs (26 05 33 13-0826)		
26 05 33 13-1261 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	83.08	10.54
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
For Work In Restricted Working Space, Add	6.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-1262 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	90.96	13.18
For Elevated Installation >10' To 15', Add	2.64	
For Elevated Installation >15' To 20', Add	5.27	
For Elevated Installation >20' To 25', Add	6.59	
For Elevated Installation >25' To 30', Add	9.22	
For Elevated Installation >30' To 35', Add	10.54	
For Elevated Installation >35' To 40', Add	13.18	
For Elevated Installation >40', Add	14.49	
For Work In Restricted Working Space, Add	7.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.91	
26 05 33 13-1263 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	100.74	15.81
For Elevated Installation >10' To 15', Add	3.16	
For Elevated Installation >15' To 20', Add	6.33	
For Elevated Installation >20' To 25', Add	7.91	
For Elevated Installation >25' To 30', Add	11.07	
For Elevated Installation >30' To 35', Add	12.65	
For Elevated Installation >35' To 40', Add	15.82	
For Elevated Installation >40', Add	17.40	
For Work In Restricted Working Space, Add	9.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	
26 05 33 13-1264 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	114.69	19.32
For Elevated Installation >10' To 15', Add	3.87	
For Elevated Installation >15' To 20', Add	7.73	
For Elevated Installation >20' To 25', Add	9.66	
For Elevated Installation >25' To 30', Add	13.53	
For Elevated Installation >30' To 35', Add	15.46	
For Elevated Installation >35' To 40', Add	19.33	
For Elevated Installation >40', Add	21.26	
For Work In Restricted Working Space, Add	11.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 05 33 13-1265 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	152.23	21.96
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.98	
For Elevated Installation >25' To 30', Add	15.37	
For Elevated Installation >30' To 35', Add	17.57	
For Elevated Installation >35' To 40', Add	21.96	
For Elevated Installation >40', Add	24.16	
For Work In Restricted Working Space, Add	13.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.18	
26 05 33 13-1266 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	184.90	24.59
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.84	
For Elevated Installation >20' To 25', Add	12.30	
For Elevated Installation >25' To 30', Add	17.22	
For Elevated Installation >30' To 35', Add	19.68	
For Elevated Installation >35' To 40', Add	24.60	
For Elevated Installation >40', Add	27.05	
For Work In Restricted Working Space, Add	14.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.76	
26 05 33 13-1267 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	262.42	30.74
For Elevated Installation >10' To 15', Add	6.15	
For Elevated Installation >15' To 20', Add	12.30	
For Elevated Installation >20' To 25', Add	15.37	
For Elevated Installation >25' To 30', Add	21.52	
For Elevated Installation >30' To 35', Add	24.60	
For Elevated Installation >35' To 40', Add	30.75	
For Elevated Installation >40', Add	33.82	
For Work In Restricted Working Space, Add	18.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1268 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	343.16	41.29
For Elevated Installation >10' To 15', Add	8.26	
For Elevated Installation >15' To 20', Add	16.51	
For Elevated Installation >20' To 25', Add	20.64	
For Elevated Installation >25' To 30', Add	28.90	
For Elevated Installation >30' To 35', Add	33.03	
For Elevated Installation >35' To 40', Add	41.29	
For Elevated Installation >40', Add	45.41	
For Work In Restricted Working Space, Add	24.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.77	
26 05 33 13-1269 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	435.05	46.56
For Elevated Installation >10' To 15', Add	9.31	
For Elevated Installation >15' To 20', Add	18.62	
For Elevated Installation >20' To 25', Add	23.28	
For Elevated Installation >25' To 30', Add	32.59	
For Elevated Installation >30' To 35', Add	37.24	
For Elevated Installation >35' To 40', Add	46.56	
For Elevated Installation >40', Add	51.21	
For Work In Restricted Working Space, Add	27.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.93	
26 05 33 13-1270 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	548.21	60.61
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
For Work In Restricted Working Space, Add	36.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.37	
26 05 33 13-1271 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	693.34	98.38
For Elevated Installation >10' To 15', Add	19.68	
For Elevated Installation >15' To 20', Add	39.35	
For Elevated Installation >20' To 25', Add	49.19	
For Elevated Installation >25' To 30', Add	68.87	
For Elevated Installation >30' To 35', Add	78.71	
For Elevated Installation >35' To 40', Add	98.39	
For Elevated Installation >40', Add	108.22	
For Work In Restricted Working Space, Add	59.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.03	
26 05 33 13-1272 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	1,045.71	148.45
For Elevated Installation >10' To 15', Add	29.69	
For Elevated Installation >15' To 20', Add	59.38	
For Elevated Installation >20' To 25', Add	74.23	
For Elevated Installation >25' To 30', Add	103.92	
For Elevated Installation >30' To 35', Add	118.76	
For Elevated Installation >35' To 40', Add	148.46	
For Elevated Installation >40', Add	163.30	
For Work In Restricted Working Space, Add	89.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.07	
26 05 33 13-1273 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0826)</small>		
26 05 33 13-1274 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	122.51	10.54
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.27	
For Elevated Installation >25' To 30', Add	7.38	
For Elevated Installation >30' To 35', Add	8.43	
For Elevated Installation >35' To 40', Add	10.54	
For Elevated Installation >40', Add	11.59	
For Work In Restricted Working Space, Add	6.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-1275 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	130.68	13.18
For Elevated Installation >10' To 15', Add	2.64	
For Elevated Installation >15' To 20', Add	5.27	
For Elevated Installation >20' To 25', Add	6.59	
For Elevated Installation >25' To 30', Add	9.22	
For Elevated Installation >30' To 35', Add	10.54	
For Elevated Installation >35' To 40', Add	13.18	
For Elevated Installation >40', Add	14.49	
For Work In Restricted Working Space, Add	7.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.91	
26 05 33 13-1276 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	141.34	15.81
For Elevated Installation >10' To 15', Add	3.16	
For Elevated Installation >15' To 20', Add	6.33	
For Elevated Installation >20' To 25', Add	7.91	
For Elevated Installation >25' To 30', Add	11.07	
For Elevated Installation >30' To 35', Add	12.65	
For Elevated Installation >35' To 40', Add	15.82	
For Elevated Installation >40', Add	17.40	
For Work In Restricted Working Space, Add	9.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.49	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1277	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	162.03	19.32
			<i>For Elevated Installation >10' To 15', Add</i>	3.87	
			<i>For Elevated Installation >15' To 20', Add</i>	7.73	
			<i>For Elevated Installation >20' To 25', Add</i>	9.66	
			<i>For Elevated Installation >25' To 30', Add</i>	13.53	
			<i>For Elevated Installation >30' To 35', Add</i>	15.46	
			<i>For Elevated Installation >35' To 40', Add</i>	19.33	
			<i>For Elevated Installation >40', Add</i>	21.26	
			<i>For Work In Restricted Working Space, Add</i>	11.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.60	
26 05 33	13-1278	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	174.58	21.96
			<i>For Elevated Installation >10' To 15', Add</i>	4.39	
			<i>For Elevated Installation >15' To 20', Add</i>	8.78	
			<i>For Elevated Installation >20' To 25', Add</i>	10.98	
			<i>For Elevated Installation >25' To 30', Add</i>	15.37	
			<i>For Elevated Installation >30' To 35', Add</i>	17.57	
			<i>For Elevated Installation >35' To 40', Add</i>	21.96	
			<i>For Elevated Installation >40', Add</i>	24.16	
			<i>For Work In Restricted Working Space, Add</i>	13.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.18	
26 05 33	13-1279	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	197.34	24.59
			<i>For Elevated Installation >10' To 15', Add</i>	4.92	
			<i>For Elevated Installation >15' To 20', Add</i>	9.84	
			<i>For Elevated Installation >20' To 25', Add</i>	12.30	
			<i>For Elevated Installation >25' To 30', Add</i>	17.22	
			<i>For Elevated Installation >30' To 35', Add</i>	19.68	
			<i>For Elevated Installation >35' To 40', Add</i>	24.60	
			<i>For Elevated Installation >40', Add</i>	27.05	
			<i>For Work In Restricted Working Space, Add</i>	14.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.76	
26 05 33	13-1280	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	297.35	30.74
			<i>For Elevated Installation >10' To 15', Add</i>	6.15	
			<i>For Elevated Installation >15' To 20', Add</i>	12.30	
			<i>For Elevated Installation >20' To 25', Add</i>	15.37	
			<i>For Elevated Installation >25' To 30', Add</i>	21.52	
			<i>For Elevated Installation >30' To 35', Add</i>	24.60	
			<i>For Elevated Installation >35' To 40', Add</i>	30.75	
			<i>For Elevated Installation >40', Add</i>	33.82	
			<i>For Work In Restricted Working Space, Add</i>	18.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.45	
26 05 33	13-1281	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	358.22	41.29
			<i>For Elevated Installation >10' To 15', Add</i>	8.26	
			<i>For Elevated Installation >15' To 20', Add</i>	16.51	
			<i>For Elevated Installation >20' To 25', Add</i>	20.64	
			<i>For Elevated Installation >25' To 30', Add</i>	28.90	
			<i>For Elevated Installation >30' To 35', Add</i>	33.03	
			<i>For Elevated Installation >35' To 40', Add</i>	41.29	
			<i>For Elevated Installation >40', Add</i>	45.41	
			<i>For Work In Restricted Working Space, Add</i>	24.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.77	
26 05 33	13-1282	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	438.30	46.56
			<i>For Elevated Installation >10' To 15', Add</i>	9.31	
			<i>For Elevated Installation >15' To 20', Add</i>	18.62	
			<i>For Elevated Installation >20' To 25', Add</i>	23.28	
			<i>For Elevated Installation >25' To 30', Add</i>	32.59	
			<i>For Elevated Installation >30' To 35', Add</i>	37.24	
			<i>For Elevated Installation >35' To 40', Add</i>	46.56	
			<i>For Elevated Installation >40', Add</i>	51.21	
			<i>For Work In Restricted Working Space, Add</i>	27.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.93	
26 05 33	13-1283	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	569.21	60.61
			<i>For Elevated Installation >10' To 15', Add</i>	12.12	
			<i>For Elevated Installation >15' To 20', Add</i>	24.24	
			<i>For Elevated Installation >20' To 25', Add</i>	30.31	
			<i>For Elevated Installation >25' To 30', Add</i>	42.43	
			<i>For Elevated Installation >30' To 35', Add</i>	48.49	
			<i>For Elevated Installation >35' To 40', Add</i>	60.61	
			<i>For Elevated Installation >40', Add</i>	66.67	
			<i>For Work In Restricted Working Space, Add</i>	36.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.37	
26 05 33	13-1284	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	887.58	98.38
			<i>For Elevated Installation >10' To 15', Add</i>	19.68	
			<i>For Elevated Installation >15' To 20', Add</i>	39.35	
			<i>For Elevated Installation >20' To 25', Add</i>	49.19	
			<i>For Elevated Installation >25' To 30', Add</i>	68.87	
			<i>For Elevated Installation >30' To 35', Add</i>	78.71	
			<i>For Elevated Installation >35' To 40', Add</i>	98.39	
			<i>For Elevated Installation >40', Add</i>	108.22	
			<i>For Work In Restricted Working Space, Add</i>	59.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1285 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,445.99 29.69 59.38 74.23 103.92 118.76 148.46 163.30 89.07 89.07	148.45
26 05 33 13-1286 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0826)</small>		
26 05 33 13-1287 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.28 2.11 4.22 5.27 7.38 8.43 10.54 11.59 6.32 6.32	10.54
26 05 33 13-1288 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.00 2.64 5.27 6.59 9.22 10.54 13.18 14.49 7.91 7.91	13.18
26 05 33 13-1289 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.03 3.16 6.33 7.91 11.07 12.65 15.82 17.40 9.49 9.49	15.81
26 05 33 13-1290 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	188.43 3.87 7.73 9.66 13.53 15.46 19.33 21.26 11.60 11.60	19.32
26 05 33 13-1291 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	206.45 4.39 8.78 10.98 15.37 17.57 21.96 24.16 13.18 13.18	21.96
26 05 33 13-1292 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	219.34 4.92 9.84 12.30 17.22 19.68 24.60 27.05 14.76 14.76	24.59

26 05 33 13-1293 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions (26 05 33 13-0826)

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1294	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	104.76	21.96
			<i>For Elevated Installation >10' To 15', Add</i>	4.39	
			<i>For Elevated Installation >15' To 20', Add</i>	8.78	
			<i>For Elevated Installation >20' To 25', Add</i>	10.98	
			<i>For Elevated Installation >25' To 30', Add</i>	15.37	
			<i>For Elevated Installation >30' To 35', Add</i>	17.57	
			<i>For Elevated Installation >35' To 40', Add</i>	21.96	
			<i>For Elevated Installation >40', Add</i>	24.16	
			<i>For Work In Restricted Working Space, Add</i>	13.18	
26 05 33 13-1295	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	116.41	27.23
			<i>For Elevated Installation >10' To 15', Add</i>	5.45	
			<i>For Elevated Installation >15' To 20', Add</i>	10.89	
			<i>For Elevated Installation >20' To 25', Add</i>	13.62	
			<i>For Elevated Installation >25' To 30', Add</i>	19.06	
			<i>For Elevated Installation >30' To 35', Add</i>	21.78	
			<i>For Elevated Installation >35' To 40', Add</i>	27.23	
			<i>For Elevated Installation >40', Add</i>	29.95	
			<i>For Work In Restricted Working Space, Add</i>	16.34	
26 05 33 13-1296	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	149.81	33.38
			<i>For Elevated Installation >10' To 15', Add</i>	6.68	
			<i>For Elevated Installation >15' To 20', Add</i>	13.35	
			<i>For Elevated Installation >20' To 25', Add</i>	16.69	
			<i>For Elevated Installation >25' To 30', Add</i>	23.37	
			<i>For Elevated Installation >30' To 35', Add</i>	26.70	
			<i>For Elevated Installation >35' To 40', Add</i>	33.38	
			<i>For Elevated Installation >40', Add</i>	36.72	
			<i>For Work In Restricted Working Space, Add</i>	20.03	
26 05 33 13-1297	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	210.96	38.65
			<i>For Elevated Installation >10' To 15', Add</i>	7.73	
			<i>For Elevated Installation >15' To 20', Add</i>	15.46	
			<i>For Elevated Installation >20' To 25', Add</i>	19.33	
			<i>For Elevated Installation >25' To 30', Add</i>	27.06	
			<i>For Elevated Installation >30' To 35', Add</i>	30.92	
			<i>For Elevated Installation >35' To 40', Add</i>	38.65	
			<i>For Elevated Installation >40', Add</i>	42.52	
			<i>For Work In Restricted Working Space, Add</i>	23.19	
26 05 33 13-1298	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	249.05	43.92
			<i>For Elevated Installation >10' To 15', Add</i>	8.78	
			<i>For Elevated Installation >15' To 20', Add</i>	17.57	
			<i>For Elevated Installation >20' To 25', Add</i>	21.96	
			<i>For Elevated Installation >25' To 30', Add</i>	30.74	
			<i>For Elevated Installation >30' To 35', Add</i>	35.14	
			<i>For Elevated Installation >35' To 40', Add</i>	43.92	
			<i>For Elevated Installation >40', Add</i>	48.31	
			<i>For Work In Restricted Working Space, Add</i>	26.35	
26 05 33 13-1299	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	311.46	48.31
			<i>For Elevated Installation >10' To 15', Add</i>	9.66	
			<i>For Elevated Installation >15' To 20', Add</i>	19.32	
			<i>For Elevated Installation >20' To 25', Add</i>	24.16	
			<i>For Elevated Installation >25' To 30', Add</i>	33.82	
			<i>For Elevated Installation >30' To 35', Add</i>	38.65	
			<i>For Elevated Installation >35' To 40', Add</i>	48.31	
			<i>For Elevated Installation >40', Add</i>	53.14	
			<i>For Work In Restricted Working Space, Add</i>	28.99	
26 05 33 13-1300	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	412.08	60.61
			<i>For Elevated Installation >10' To 15', Add</i>	12.12	
			<i>For Elevated Installation >15' To 20', Add</i>	24.24	
			<i>For Elevated Installation >20' To 25', Add</i>	30.31	
			<i>For Elevated Installation >25' To 30', Add</i>	42.43	
			<i>For Elevated Installation >30' To 35', Add</i>	48.49	
			<i>For Elevated Installation >35' To 40', Add</i>	60.61	
			<i>For Elevated Installation >40', Add</i>	66.67	
			<i>For Work In Restricted Working Space, Add</i>	36.37	
26 05 33 13-1301	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	522.21	60.61
			<i>For Elevated Installation >10' To 15', Add</i>	12.12	
			<i>For Elevated Installation >15' To 20', Add</i>	24.24	
			<i>For Elevated Installation >20' To 25', Add</i>	30.31	
			<i>For Elevated Installation >25' To 30', Add</i>	42.43	
			<i>For Elevated Installation >30' To 35', Add</i>	48.49	
			<i>For Elevated Installation >35' To 40', Add</i>	60.61	
			<i>For Elevated Installation >40', Add</i>	66.67	
			<i>For Work In Restricted Working Space, Add</i>	36.37	
26 05 33 13-1302	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	683.63	93.11
			<i>For Elevated Installation >10' To 15', Add</i>	18.62	
			<i>For Elevated Installation >15' To 20', Add</i>	37.25	
			<i>For Elevated Installation >20' To 25', Add</i>	46.56	
			<i>For Elevated Installation >25' To 30', Add</i>	65.18	
			<i>For Elevated Installation >30' To 35', Add</i>	74.49	
			<i>For Elevated Installation >35' To 40', Add</i>	93.12	
			<i>For Elevated Installation >40', Add</i>	102.43	
			<i>For Work In Restricted Working Space, Add</i>	55.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1303 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	881.11	121.22
<i>For Elevated Installation >10' To 15', Add</i>	24.24	
<i>For Elevated Installation >15' To 20', Add</i>	48.49	
<i>For Elevated Installation >20' To 25', Add</i>	60.61	
<i>For Elevated Installation >25' To 30', Add</i>	84.85	
<i>For Elevated Installation >30' To 35', Add</i>	96.98	
<i>For Elevated Installation >35' To 40', Add</i>	121.22	
<i>For Elevated Installation >40', Add</i>	133.34	
<i>For Work In Restricted Working Space, Add</i>	72.73	
26 05 33 13-1304 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,589.04	197.64
<i>For Elevated Installation >10' To 15', Add</i>	39.53	
<i>For Elevated Installation >15' To 20', Add</i>	79.06	
<i>For Elevated Installation >20' To 25', Add</i>	98.82	
<i>For Elevated Installation >25' To 30', Add</i>	138.35	
<i>For Elevated Installation >30' To 35', Add</i>	158.12	
<i>For Elevated Installation >35' To 40', Add</i>	197.65	
<i>For Elevated Installation >40', Add</i>	217.41	
<i>For Work In Restricted Working Space, Add</i>	118.59	
26 05 33 13-1305 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	2,015.55	296.91
<i>For Elevated Installation >10' To 15', Add</i>	59.38	
<i>For Elevated Installation >15' To 20', Add</i>	118.76	
<i>For Elevated Installation >20' To 25', Add</i>	148.45	
<i>For Elevated Installation >25' To 30', Add</i>	207.83	
<i>For Elevated Installation >30' To 35', Add</i>	237.52	
<i>For Elevated Installation >35' To 40', Add</i>	296.91	
<i>For Elevated Installation >40', Add</i>	326.60	
<i>For Work In Restricted Working Space, Add</i>	178.14	
26 05 33 13-1306 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions <small>(26 05 33 13-0826)</small>		
26 05 33 13-1307 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	106.81	21.96
<i>For Elevated Installation >10' To 15', Add</i>	4.39	
<i>For Elevated Installation >15' To 20', Add</i>	8.78	
<i>For Elevated Installation >20' To 25', Add</i>	10.98	
<i>For Elevated Installation >25' To 30', Add</i>	15.37	
<i>For Elevated Installation >30' To 35', Add</i>	17.57	
<i>For Elevated Installation >35' To 40', Add</i>	21.96	
<i>For Elevated Installation >40', Add</i>	24.16	
<i>For Work In Restricted Working Space, Add</i>	13.18	
26 05 33 13-1308 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	124.23	27.23
<i>For Elevated Installation >10' To 15', Add</i>	5.45	
<i>For Elevated Installation >15' To 20', Add</i>	10.89	
<i>For Elevated Installation >20' To 25', Add</i>	13.62	
<i>For Elevated Installation >25' To 30', Add</i>	19.06	
<i>For Elevated Installation >30' To 35', Add</i>	21.78	
<i>For Elevated Installation >35' To 40', Add</i>	27.23	
<i>For Elevated Installation >40', Add</i>	29.95	
<i>For Work In Restricted Working Space, Add</i>	16.34	
26 05 33 13-1309 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	153.98	33.38
<i>For Elevated Installation >10' To 15', Add</i>	6.68	
<i>For Elevated Installation >15' To 20', Add</i>	13.35	
<i>For Elevated Installation >20' To 25', Add</i>	16.69	
<i>For Elevated Installation >25' To 30', Add</i>	23.37	
<i>For Elevated Installation >30' To 35', Add</i>	26.70	
<i>For Elevated Installation >35' To 40', Add</i>	33.38	
<i>For Elevated Installation >40', Add</i>	36.72	
<i>For Work In Restricted Working Space, Add</i>	20.03	
26 05 33 13-1310 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	218.62	38.65
<i>For Elevated Installation >10' To 15', Add</i>	7.73	
<i>For Elevated Installation >15' To 20', Add</i>	15.46	
<i>For Elevated Installation >20' To 25', Add</i>	19.33	
<i>For Elevated Installation >25' To 30', Add</i>	27.06	
<i>For Elevated Installation >30' To 35', Add</i>	30.92	
<i>For Elevated Installation >35' To 40', Add</i>	38.65	
<i>For Elevated Installation >40', Add</i>	42.52	
<i>For Work In Restricted Working Space, Add</i>	23.19	
26 05 33 13-1311 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	259.68	43.92
<i>For Elevated Installation >10' To 15', Add</i>	8.78	
<i>For Elevated Installation >15' To 20', Add</i>	17.57	
<i>For Elevated Installation >20' To 25', Add</i>	21.96	
<i>For Elevated Installation >25' To 30', Add</i>	30.74	
<i>For Elevated Installation >30' To 35', Add</i>	35.14	
<i>For Elevated Installation >35' To 40', Add</i>	43.92	
<i>For Elevated Installation >40', Add</i>	48.31	
<i>For Work In Restricted Working Space, Add</i>	26.35	
26 05 33 13-1312 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	334.42	48.31
<i>For Elevated Installation >10' To 15', Add</i>	9.66	
<i>For Elevated Installation >15' To 20', Add</i>	19.32	
<i>For Elevated Installation >20' To 25', Add</i>	24.16	
<i>For Elevated Installation >25' To 30', Add</i>	33.82	
<i>For Elevated Installation >30' To 35', Add</i>	38.65	
<i>For Elevated Installation >35' To 40', Add</i>	48.31	
<i>For Elevated Installation >40', Add</i>	53.14	
<i>For Work In Restricted Working Space, Add</i>	28.99	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1313 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	461.20	60.61
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
For Work In Restricted Working Space, Add	36.37	
26 05 33 13-1314 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	572.16	60.61
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.31	
For Elevated Installation >25' To 30', Add	42.43	
For Elevated Installation >30' To 35', Add	48.49	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
For Work In Restricted Working Space, Add	36.37	
26 05 33 13-1315 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	773.94	93.11
For Elevated Installation >10' To 15', Add	18.62	
For Elevated Installation >15' To 20', Add	37.25	
For Elevated Installation >20' To 25', Add	46.56	
For Elevated Installation >25' To 30', Add	65.18	
For Elevated Installation >30' To 35', Add	74.49	
For Elevated Installation >35' To 40', Add	93.12	
For Elevated Installation >40', Add	102.43	
For Work In Restricted Working Space, Add	55.87	
26 05 33 13-1316 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	971.08	121.22
For Elevated Installation >10' To 15', Add	24.24	
For Elevated Installation >15' To 20', Add	48.49	
For Elevated Installation >20' To 25', Add	60.61	
For Elevated Installation >25' To 30', Add	84.85	
For Elevated Installation >30' To 35', Add	96.98	
For Elevated Installation >35' To 40', Add	121.22	
For Elevated Installation >40', Add	133.34	
For Work In Restricted Working Space, Add	72.73	
26 05 33 13-1317 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,753.98	197.64
For Elevated Installation >10' To 15', Add	39.53	
For Elevated Installation >15' To 20', Add	79.06	
For Elevated Installation >20' To 25', Add	98.82	
For Elevated Installation >25' To 30', Add	138.35	
For Elevated Installation >30' To 35', Add	158.12	
For Elevated Installation >35' To 40', Add	197.65	
For Elevated Installation >40', Add	217.41	
For Work In Restricted Working Space, Add	118.59	
26 05 33 13-1318 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	2,281.87	296.91
For Elevated Installation >10' To 15', Add	59.38	
For Elevated Installation >15' To 20', Add	118.76	
For Elevated Installation >20' To 25', Add	148.45	
For Elevated Installation >25' To 30', Add	207.83	
For Elevated Installation >30' To 35', Add	237.52	
For Elevated Installation >35' To 40', Add	296.91	
For Elevated Installation >40', Add	326.60	
For Work In Restricted Working Space, Add	178.14	
26 05 33 13-1319 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings <small>(26 05 33 13-0826)</small>		
26 05 33 13-1320 EA 3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	55.21	7.02
For Elevated Installation >10' To 15', Add	1.41	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.51	
For Elevated Installation >25' To 30', Add	4.92	
For Elevated Installation >30' To 35', Add	5.62	
For Elevated Installation >35' To 40', Add	7.03	
For Elevated Installation >40', Add	7.73	
For Work In Restricted Working Space, Add	4.22	
26 05 33 13-1321 EA 1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	61.20	8.79
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.15	
For Elevated Installation >30' To 35', Add	7.03	
For Elevated Installation >35' To 40', Add	8.79	
For Elevated Installation >40', Add	9.66	
For Work In Restricted Working Space, Add	5.27	
26 05 33 13-1322 EA 1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	68.89	8.79
For Elevated Installation >10' To 15', Add	1.76	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.39	
For Elevated Installation >25' To 30', Add	6.15	
For Elevated Installation >30' To 35', Add	7.03	
For Elevated Installation >35' To 40', Add	8.79	
For Elevated Installation >40', Add	9.66	
For Work In Restricted Working Space, Add	5.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1323 EA 1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	84.43	9.66
<i>For Elevated Installation >10' To 15', Add</i>	1.93	
<i>For Elevated Installation >15' To 20', Add</i>	3.86	
<i>For Elevated Installation >20' To 25', Add</i>	4.83	
<i>For Elevated Installation >25' To 30', Add</i>	6.76	
<i>For Elevated Installation >30' To 35', Add</i>	7.73	
<i>For Elevated Installation >35' To 40', Add</i>	9.66	
<i>For Elevated Installation >40', Add</i>	10.63	
<i>For Work In Restricted Working Space, Add</i>	5.80	
26 05 33 13-1324 EA 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	88.86	9.66
<i>For Elevated Installation >10' To 15', Add</i>	1.93	
<i>For Elevated Installation >15' To 20', Add</i>	3.86	
<i>For Elevated Installation >20' To 25', Add</i>	4.83	
<i>For Elevated Installation >25' To 30', Add</i>	6.76	
<i>For Elevated Installation >30' To 35', Add</i>	7.73	
<i>For Elevated Installation >35' To 40', Add</i>	9.66	
<i>For Elevated Installation >40', Add</i>	10.63	
<i>For Work In Restricted Working Space, Add</i>	5.80	
26 05 33 13-1325 EA 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	78.16	11.42
<i>For Elevated Installation >10' To 15', Add</i>	2.28	
<i>For Elevated Installation >15' To 20', Add</i>	4.57	
<i>For Elevated Installation >20' To 25', Add</i>	5.71	
<i>For Elevated Installation >25' To 30', Add</i>	7.99	
<i>For Elevated Installation >30' To 35', Add</i>	9.14	
<i>For Elevated Installation >35' To 40', Add</i>	11.42	
<i>For Elevated Installation >40', Add</i>	12.56	
<i>For Work In Restricted Working Space, Add</i>	6.85	
26 05 33 13-1326 EA 1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	88.06	11.42
<i>For Elevated Installation >10' To 15', Add</i>	2.28	
<i>For Elevated Installation >15' To 20', Add</i>	4.57	
<i>For Elevated Installation >20' To 25', Add</i>	5.71	
<i>For Elevated Installation >25' To 30', Add</i>	7.99	
<i>For Elevated Installation >30' To 35', Add</i>	9.14	
<i>For Elevated Installation >35' To 40', Add</i>	11.42	
<i>For Elevated Installation >40', Add</i>	12.56	
<i>For Work In Restricted Working Space, Add</i>	6.85	
26 05 33 13-1327 EA 1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	132.59	11.42
<i>For Elevated Installation >10' To 15', Add</i>	2.28	
<i>For Elevated Installation >15' To 20', Add</i>	4.57	
<i>For Elevated Installation >20' To 25', Add</i>	5.71	
<i>For Elevated Installation >25' To 30', Add</i>	7.99	
<i>For Elevated Installation >30' To 35', Add</i>	9.14	
<i>For Elevated Installation >35' To 40', Add</i>	11.42	
<i>For Elevated Installation >40', Add</i>	12.56	
<i>For Work In Restricted Working Space, Add</i>	6.85	
26 05 33 13-1328 EA 2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	147.68	13.18
<i>For Elevated Installation >10' To 15', Add</i>	2.64	
<i>For Elevated Installation >15' To 20', Add</i>	5.27	
<i>For Elevated Installation >20' To 25', Add</i>	6.59	
<i>For Elevated Installation >25' To 30', Add</i>	9.22	
<i>For Elevated Installation >30' To 35', Add</i>	10.54	
<i>For Elevated Installation >35' To 40', Add</i>	13.18	
<i>For Elevated Installation >40', Add</i>	14.49	
<i>For Work In Restricted Working Space, Add</i>	7.91	
26 05 33 13-1329 EA 2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	143.83	13.18
<i>For Elevated Installation >10' To 15', Add</i>	2.64	
<i>For Elevated Installation >15' To 20', Add</i>	5.27	
<i>For Elevated Installation >20' To 25', Add</i>	6.59	
<i>For Elevated Installation >25' To 30', Add</i>	9.22	
<i>For Elevated Installation >30' To 35', Add</i>	10.54	
<i>For Elevated Installation >35' To 40', Add</i>	13.18	
<i>For Elevated Installation >40', Add</i>	14.49	
<i>For Work In Restricted Working Space, Add</i>	7.91	
26 05 33 13-1330 EA 2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	150.98	13.18
<i>For Elevated Installation >10' To 15', Add</i>	2.64	
<i>For Elevated Installation >15' To 20', Add</i>	5.27	
<i>For Elevated Installation >20' To 25', Add</i>	6.59	
<i>For Elevated Installation >25' To 30', Add</i>	9.22	
<i>For Elevated Installation >30' To 35', Add</i>	10.54	
<i>For Elevated Installation >35' To 40', Add</i>	13.18	
<i>For Elevated Installation >40', Add</i>	14.49	
<i>For Work In Restricted Working Space, Add</i>	7.91	
26 05 33 13-1331 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	168.94	13.18
<i>For Elevated Installation >10' To 15', Add</i>	2.64	
<i>For Elevated Installation >15' To 20', Add</i>	5.27	
<i>For Elevated Installation >20' To 25', Add</i>	6.59	
<i>For Elevated Installation >25' To 30', Add</i>	9.22	
<i>For Elevated Installation >30' To 35', Add</i>	10.54	
<i>For Elevated Installation >35' To 40', Add</i>	13.18	
<i>For Elevated Installation >40', Add</i>	14.49	
<i>For Work In Restricted Working Space, Add</i>	7.91	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1332	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	169.39	15.81
			<i>For Elevated Installation >10' To 15', Add</i>	3.16	
			<i>For Elevated Installation >15' To 20', Add</i>	6.33	
			<i>For Elevated Installation >20' To 25', Add</i>	7.91	
			<i>For Elevated Installation >25' To 30', Add</i>	11.07	
			<i>For Elevated Installation >30' To 35', Add</i>	12.65	
			<i>For Elevated Installation >35' To 40', Add</i>	15.82	
			<i>For Elevated Installation >40', Add</i>	17.40	
			<i>For Work In Restricted Working Space, Add</i>	9.49	
26 05 33	13-1333	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	217.04	21.96
			<i>For Elevated Installation >10' To 15', Add</i>	4.39	
			<i>For Elevated Installation >15' To 20', Add</i>	8.78	
			<i>For Elevated Installation >20' To 25', Add</i>	10.98	
			<i>For Elevated Installation >25' To 30', Add</i>	15.37	
			<i>For Elevated Installation >30' To 35', Add</i>	17.57	
			<i>For Elevated Installation >35' To 40', Add</i>	21.96	
			<i>For Elevated Installation >40', Add</i>	24.16	
			<i>For Work In Restricted Working Space, Add</i>	13.18	
26 05 33	13-1334	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	315.55	25.47
			<i>For Elevated Installation >10' To 15', Add</i>	5.10	
			<i>For Elevated Installation >15' To 20', Add</i>	10.19	
			<i>For Elevated Installation >20' To 25', Add</i>	12.74	
			<i>For Elevated Installation >25' To 30', Add</i>	17.83	
			<i>For Elevated Installation >30' To 35', Add</i>	20.38	
			<i>For Elevated Installation >35' To 40', Add</i>	25.48	
			<i>For Elevated Installation >40', Add</i>	28.02	
			<i>For Work In Restricted Working Space, Add</i>	15.29	
26 05 33	13-1335	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	422.80	35.13
			<i>For Elevated Installation >10' To 15', Add</i>	7.03	
			<i>For Elevated Installation >15' To 20', Add</i>	14.06	
			<i>For Elevated Installation >20' To 25', Add</i>	17.57	
			<i>For Elevated Installation >25' To 30', Add</i>	24.60	
			<i>For Elevated Installation >30' To 35', Add</i>	28.11	
			<i>For Elevated Installation >35' To 40', Add</i>	35.14	
			<i>For Elevated Installation >40', Add</i>	38.65	
			<i>For Work In Restricted Working Space, Add</i>	21.08	
26 05 33	13-1336	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	531.28	48.31
			<i>For Elevated Installation >10' To 15', Add</i>	9.66	
			<i>For Elevated Installation >15' To 20', Add</i>	19.33	
			<i>For Elevated Installation >20' To 25', Add</i>	24.16	
			<i>For Elevated Installation >25' To 30', Add</i>	33.82	
			<i>For Elevated Installation >30' To 35', Add</i>	38.65	
			<i>For Elevated Installation >35' To 40', Add</i>	48.32	
			<i>For Elevated Installation >40', Add</i>	53.15	
			<i>For Work In Restricted Working Space, Add</i>	28.99	
26 05 33 13-1337 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples <small>(26 05 33 13-0826)</small>					
26 05 33	13-1338	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	38.33	10.54
			<i>For Elevated Installation >10' To 15', Add</i>	2.11	
			<i>For Elevated Installation >15' To 20', Add</i>	4.22	
			<i>For Elevated Installation >20' To 25', Add</i>	5.27	
			<i>For Elevated Installation >25' To 30', Add</i>	7.38	
			<i>For Elevated Installation >30' To 35', Add</i>	8.43	
			<i>For Elevated Installation >35' To 40', Add</i>	10.54	
			<i>For Elevated Installation >40', Add</i>	11.59	
			<i>For Work In Restricted Working Space, Add</i>	6.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33	13-1339	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.94	13.18
			<i>For Elevated Installation >10' To 15', Add</i>	2.64	
			<i>For Elevated Installation >15' To 20', Add</i>	5.27	
			<i>For Elevated Installation >20' To 25', Add</i>	6.59	
			<i>For Elevated Installation >25' To 30', Add</i>	9.22	
			<i>For Elevated Installation >30' To 35', Add</i>	10.54	
			<i>For Elevated Installation >35' To 40', Add</i>	13.18	
			<i>For Elevated Installation >40', Add</i>	14.49	
			<i>For Work In Restricted Working Space, Add</i>	7.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	
26 05 33	13-1340	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	51.93	16.69
			<i>For Elevated Installation >10' To 15', Add</i>	3.34	
			<i>For Elevated Installation >15' To 20', Add</i>	6.68	
			<i>For Elevated Installation >20' To 25', Add</i>	8.35	
			<i>For Elevated Installation >25' To 30', Add</i>	11.68	
			<i>For Elevated Installation >30' To 35', Add</i>	13.35	
			<i>For Elevated Installation >35' To 40', Add</i>	16.69	
			<i>For Elevated Installation >40', Add</i>	18.36	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1341 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	61.47	19.32
For Elevated Installation >10' To 15', Add	3.87	
For Elevated Installation >15' To 20', Add	7.73	
For Elevated Installation >20' To 25', Add	9.66	
For Elevated Installation >25' To 30', Add	13.53	
For Elevated Installation >30' To 35', Add	15.46	
For Elevated Installation >35' To 40', Add	19.33	
For Elevated Installation >40', Add	21.26	
For Work In Restricted Working Space, Add	11.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 05 33 13-1342 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	67.49	21.96
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.98	
For Elevated Installation >25' To 30', Add	15.37	
For Elevated Installation >30' To 35', Add	17.57	
For Elevated Installation >35' To 40', Add	21.96	
For Elevated Installation >40', Add	24.16	
For Work In Restricted Working Space, Add	13.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.18	
26 05 33 13-1343 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.31	11.42
For Elevated Installation >10' To 15', Add	2.28	
For Elevated Installation >15' To 20', Add	4.57	
For Elevated Installation >20' To 25', Add	5.71	
For Elevated Installation >25' To 30', Add	7.99	
For Elevated Installation >30' To 35', Add	9.14	
For Elevated Installation >35' To 40', Add	11.42	
For Elevated Installation >40', Add	12.56	
For Work In Restricted Working Space, Add	6.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.85	
26 05 33 13-1344 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.29	13.18
For Elevated Installation >10' To 15', Add	2.64	
For Elevated Installation >15' To 20', Add	5.27	
For Elevated Installation >20' To 25', Add	6.59	
For Elevated Installation >25' To 30', Add	9.22	
For Elevated Installation >30' To 35', Add	10.54	
For Elevated Installation >35' To 40', Add	13.18	
For Elevated Installation >40', Add	14.49	
For Work In Restricted Working Space, Add	7.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.91	
26 05 33 13-1345 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.31	16.69
For Elevated Installation >10' To 15', Add	3.34	
For Elevated Installation >15' To 20', Add	6.68	
For Elevated Installation >20' To 25', Add	8.35	
For Elevated Installation >25' To 30', Add	11.68	
For Elevated Installation >30' To 35', Add	13.35	
For Elevated Installation >35' To 40', Add	16.69	
For Elevated Installation >40', Add	18.36	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-1346 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.99	19.32
For Elevated Installation >10' To 15', Add	3.87	
For Elevated Installation >15' To 20', Add	7.73	
For Elevated Installation >20' To 25', Add	9.66	
For Elevated Installation >25' To 30', Add	13.53	
For Elevated Installation >30' To 35', Add	15.46	
For Elevated Installation >35' To 40', Add	19.33	
For Elevated Installation >40', Add	21.26	
For Work In Restricted Working Space, Add	11.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 05 33 13-1347 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	70.20	21.96
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.98	
For Elevated Installation >25' To 30', Add	15.37	
For Elevated Installation >30' To 35', Add	17.57	
For Elevated Installation >35' To 40', Add	21.96	
For Elevated Installation >40', Add	24.16	
For Work In Restricted Working Space, Add	13.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.18	
26 05 33 13-1348 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	76.65	24.59
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.84	
For Elevated Installation >20' To 25', Add	12.30	
For Elevated Installation >25' To 30', Add	17.22	
For Elevated Installation >30' To 35', Add	19.68	
For Elevated Installation >35' To 40', Add	24.60	
For Elevated Installation >40', Add	27.05	
For Work In Restricted Working Space, Add	14.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.76	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1349	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.48	11.42
			<i>For Elevated Installation >10' To 15', Add</i>	2.28	
			<i>For Elevated Installation >15' To 20', Add</i>	4.57	
			<i>For Elevated Installation >20' To 25', Add</i>	5.71	
			<i>For Elevated Installation >25' To 30', Add</i>	7.99	
			<i>For Elevated Installation >30' To 35', Add</i>	9.14	
			<i>For Elevated Installation >35' To 40', Add</i>	11.42	
			<i>For Elevated Installation >40', Add</i>	12.56	
			<i>For Work In Restricted Working Space, Add</i>	6.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.85	
26 05 33	13-1350	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.46	13.18
			<i>For Elevated Installation >10' To 15', Add</i>	2.64	
			<i>For Elevated Installation >15' To 20', Add</i>	5.27	
			<i>For Elevated Installation >20' To 25', Add</i>	6.59	
			<i>For Elevated Installation >25' To 30', Add</i>	9.22	
			<i>For Elevated Installation >30' To 35', Add</i>	10.54	
			<i>For Elevated Installation >35' To 40', Add</i>	13.18	
			<i>For Elevated Installation >40', Add</i>	14.49	
			<i>For Work In Restricted Working Space, Add</i>	7.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	
26 05 33	13-1351	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.62	16.69
			<i>For Elevated Installation >10' To 15', Add</i>	3.34	
			<i>For Elevated Installation >15' To 20', Add</i>	6.68	
			<i>For Elevated Installation >20' To 25', Add</i>	8.35	
			<i>For Elevated Installation >25' To 30', Add</i>	11.68	
			<i>For Elevated Installation >30' To 35', Add</i>	13.35	
			<i>For Elevated Installation >35' To 40', Add</i>	16.69	
			<i>For Elevated Installation >40', Add</i>	18.36	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
26 05 33	13-1352	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.32	19.32
			<i>For Elevated Installation >10' To 15', Add</i>	3.87	
			<i>For Elevated Installation >15' To 20', Add</i>	7.73	
			<i>For Elevated Installation >20' To 25', Add</i>	9.66	
			<i>For Elevated Installation >25' To 30', Add</i>	13.53	
			<i>For Elevated Installation >30' To 35', Add</i>	15.46	
			<i>For Elevated Installation >35' To 40', Add</i>	19.33	
			<i>For Elevated Installation >40', Add</i>	21.26	
			<i>For Work In Restricted Working Space, Add</i>	11.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.60	
26 05 33	13-1353	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	70.53	21.96
			<i>For Elevated Installation >10' To 15', Add</i>	4.39	
			<i>For Elevated Installation >15' To 20', Add</i>	8.78	
			<i>For Elevated Installation >20' To 25', Add</i>	10.98	
			<i>For Elevated Installation >25' To 30', Add</i>	15.37	
			<i>For Elevated Installation >30' To 35', Add</i>	17.57	
			<i>For Elevated Installation >35' To 40', Add</i>	21.96	
			<i>For Elevated Installation >40', Add</i>	24.16	
			<i>For Work In Restricted Working Space, Add</i>	13.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.18	
26 05 33	13-1354	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	77.50	24.59
			<i>For Elevated Installation >10' To 15', Add</i>	4.92	
			<i>For Elevated Installation >15' To 20', Add</i>	9.84	
			<i>For Elevated Installation >20' To 25', Add</i>	12.30	
			<i>For Elevated Installation >25' To 30', Add</i>	17.22	
			<i>For Elevated Installation >30' To 35', Add</i>	19.68	
			<i>For Elevated Installation >35' To 40', Add</i>	24.60	
			<i>For Elevated Installation >40', Add</i>	27.05	
			<i>For Work In Restricted Working Space, Add</i>	14.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.76	
26 05 33	13-1355	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.72	11.42
			<i>For Elevated Installation >10' To 15', Add</i>	2.28	
			<i>For Elevated Installation >15' To 20', Add</i>	4.57	
			<i>For Elevated Installation >20' To 25', Add</i>	5.71	
			<i>For Elevated Installation >25' To 30', Add</i>	7.99	
			<i>For Elevated Installation >30' To 35', Add</i>	9.14	
			<i>For Elevated Installation >35' To 40', Add</i>	11.42	
			<i>For Elevated Installation >40', Add</i>	12.56	
			<i>For Work In Restricted Working Space, Add</i>	6.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.85	
26 05 33	13-1356	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.70	13.18
			<i>For Elevated Installation >10' To 15', Add</i>	2.64	
			<i>For Elevated Installation >15' To 20', Add</i>	5.27	
			<i>For Elevated Installation >20' To 25', Add</i>	6.59	
			<i>For Elevated Installation >25' To 30', Add</i>	9.22	
			<i>For Elevated Installation >30' To 35', Add</i>	10.54	
			<i>For Elevated Installation >35' To 40', Add</i>	13.18	
			<i>For Elevated Installation >40', Add</i>	14.49	
			<i>For Work In Restricted Working Space, Add</i>	7.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1357 EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	57.02	16.69
For Elevated Installation >10' To 15', Add	3.34	
For Elevated Installation >15' To 20', Add	6.68	
For Elevated Installation >20' To 25', Add	8.35	
For Elevated Installation >25' To 30', Add	11.68	
For Elevated Installation >30' To 35', Add	13.35	
For Elevated Installation >35' To 40', Add	16.69	
For Elevated Installation >40', Add	18.36	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-1358 EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	65.69	19.32
For Elevated Installation >10' To 15', Add	3.87	
For Elevated Installation >15' To 20', Add	7.73	
For Elevated Installation >20' To 25', Add	9.66	
For Elevated Installation >25' To 30', Add	13.53	
For Elevated Installation >30' To 35', Add	15.46	
For Elevated Installation >35' To 40', Add	19.33	
For Elevated Installation >40', Add	21.26	
For Work In Restricted Working Space, Add	11.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 05 33 13-1359 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	72.04	21.96
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.98	
For Elevated Installation >25' To 30', Add	15.37	
For Elevated Installation >30' To 35', Add	17.57	
For Elevated Installation >35' To 40', Add	21.96	
For Elevated Installation >40', Add	24.16	
For Work In Restricted Working Space, Add	13.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.18	
26 05 33 13-1360 EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	80.14	24.59
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.84	
For Elevated Installation >20' To 25', Add	12.30	
For Elevated Installation >25' To 30', Add	17.22	
For Elevated Installation >30' To 35', Add	19.68	
For Elevated Installation >35' To 40', Add	24.60	
For Elevated Installation >40', Add	27.05	
For Work In Restricted Working Space, Add	14.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.76	
26 05 33 13-1361 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	108.84	29.86
For Elevated Installation >10' To 15', Add	5.97	
For Elevated Installation >15' To 20', Add	11.94	
For Elevated Installation >20' To 25', Add	14.93	
For Elevated Installation >25' To 30', Add	20.90	
For Elevated Installation >30' To 35', Add	23.89	
For Elevated Installation >35' To 40', Add	29.86	
For Elevated Installation >40', Add	32.85	
For Work In Restricted Working Space, Add	17.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.92	
26 05 33 13-1362 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	142.67	41.29
For Elevated Installation >10' To 15', Add	8.26	
For Elevated Installation >15' To 20', Add	16.51	
For Elevated Installation >20' To 25', Add	20.64	
For Elevated Installation >25' To 30', Add	28.90	
For Elevated Installation >30' To 35', Add	33.02	
For Elevated Installation >35' To 40', Add	41.28	
For Elevated Installation >40', Add	45.41	
For Work In Restricted Working Space, Add	24.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.77	
26 05 33 13-1363 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.88	11.42
For Elevated Installation >10' To 15', Add	2.28	
For Elevated Installation >15' To 20', Add	4.57	
For Elevated Installation >20' To 25', Add	5.71	
For Elevated Installation >25' To 30', Add	7.99	
For Elevated Installation >30' To 35', Add	9.14	
For Elevated Installation >35' To 40', Add	11.42	
For Elevated Installation >40', Add	12.56	
For Work In Restricted Working Space, Add	6.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.85	
26 05 33 13-1364 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.00	13.18
For Elevated Installation >10' To 15', Add	2.64	
For Elevated Installation >15' To 20', Add	5.27	
For Elevated Installation >20' To 25', Add	6.59	
For Elevated Installation >25' To 30', Add	9.22	
For Elevated Installation >30' To 35', Add	10.54	
For Elevated Installation >35' To 40', Add	13.18	
For Elevated Installation >40', Add	14.49	
For Work In Restricted Working Space, Add	7.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.91	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1365	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.35	16.69
			<i>For Elevated Installation >10' To 15', Add</i>	3.34	
			<i>For Elevated Installation >15' To 20', Add</i>	6.68	
			<i>For Elevated Installation >20' To 25', Add</i>	8.35	
			<i>For Elevated Installation >25' To 30', Add</i>	11.68	
			<i>For Elevated Installation >30' To 35', Add</i>	13.35	
			<i>For Elevated Installation >35' To 40', Add</i>	16.69	
			<i>For Elevated Installation >40', Add</i>	18.36	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
26 05 33	13-1366	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.05	19.32
			<i>For Elevated Installation >10' To 15', Add</i>	3.87	
			<i>For Elevated Installation >15' To 20', Add</i>	7.73	
			<i>For Elevated Installation >20' To 25', Add</i>	9.66	
			<i>For Elevated Installation >25' To 30', Add</i>	13.53	
			<i>For Elevated Installation >30' To 35', Add</i>	15.46	
			<i>For Elevated Installation >35' To 40', Add</i>	19.33	
			<i>For Elevated Installation >40', Add</i>	21.26	
			<i>For Work In Restricted Working Space, Add</i>	11.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.60	
26 05 33	13-1367	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	73.55	21.96
			<i>For Elevated Installation >10' To 15', Add</i>	4.39	
			<i>For Elevated Installation >15' To 20', Add</i>	8.78	
			<i>For Elevated Installation >20' To 25', Add</i>	10.98	
			<i>For Elevated Installation >25' To 30', Add</i>	15.37	
			<i>For Elevated Installation >30' To 35', Add</i>	17.57	
			<i>For Elevated Installation >35' To 40', Add</i>	21.96	
			<i>For Elevated Installation >40', Add</i>	24.16	
			<i>For Work In Restricted Working Space, Add</i>	13.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.18	
26 05 33	13-1368	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	82.78	24.59
			<i>For Elevated Installation >10' To 15', Add</i>	4.92	
			<i>For Elevated Installation >15' To 20', Add</i>	9.84	
			<i>For Elevated Installation >20' To 25', Add</i>	12.30	
			<i>For Elevated Installation >25' To 30', Add</i>	17.22	
			<i>For Elevated Installation >30' To 35', Add</i>	19.68	
			<i>For Elevated Installation >35' To 40', Add</i>	24.60	
			<i>For Elevated Installation >40', Add</i>	27.05	
			<i>For Work In Restricted Working Space, Add</i>	14.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.76	
26 05 33	13-1369	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	111.18	29.86
			<i>For Elevated Installation >10' To 15', Add</i>	5.97	
			<i>For Elevated Installation >15' To 20', Add</i>	11.94	
			<i>For Elevated Installation >20' To 25', Add</i>	14.93	
			<i>For Elevated Installation >25' To 30', Add</i>	20.90	
			<i>For Elevated Installation >30' To 35', Add</i>	23.89	
			<i>For Elevated Installation >35' To 40', Add</i>	29.86	
			<i>For Elevated Installation >40', Add</i>	32.85	
			<i>For Work In Restricted Working Space, Add</i>	17.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.92	
26 05 33	13-1370	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	147.69	41.29
			<i>For Elevated Installation >10' To 15', Add</i>	8.26	
			<i>For Elevated Installation >15' To 20', Add</i>	16.51	
			<i>For Elevated Installation >20' To 25', Add</i>	20.64	
			<i>For Elevated Installation >25' To 30', Add</i>	28.90	
			<i>For Elevated Installation >30' To 35', Add</i>	33.02	
			<i>For Elevated Installation >35' To 40', Add</i>	41.28	
			<i>For Elevated Installation >40', Add</i>	45.41	
			<i>For Work In Restricted Working Space, Add</i>	24.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.77	
26 05 33	13-1371	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	174.33	46.56
			<i>For Elevated Installation >10' To 15', Add</i>	9.31	
			<i>For Elevated Installation >15' To 20', Add</i>	18.62	
			<i>For Elevated Installation >20' To 25', Add</i>	23.28	
			<i>For Elevated Installation >25' To 30', Add</i>	32.59	
			<i>For Elevated Installation >30' To 35', Add</i>	37.24	
			<i>For Elevated Installation >35' To 40', Add</i>	46.55	
			<i>For Elevated Installation >40', Add</i>	51.21	
			<i>For Work In Restricted Working Space, Add</i>	27.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.93	
26 05 33	13-1372	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	208.12	60.61
			<i>For Elevated Installation >10' To 15', Add</i>	12.12	
			<i>For Elevated Installation >15' To 20', Add</i>	24.24	
			<i>For Elevated Installation >20' To 25', Add</i>	30.30	
			<i>For Elevated Installation >25' To 30', Add</i>	42.42	
			<i>For Elevated Installation >30' To 35', Add</i>	48.48	
			<i>For Elevated Installation >35' To 40', Add</i>	60.61	
			<i>For Elevated Installation >40', Add</i>	66.67	
			<i>For Work In Restricted Working Space, Add</i>	36.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1373 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.19	11.42
For Elevated Installation >10' To 15', Add	2.28	
For Elevated Installation >15' To 20', Add	4.57	
For Elevated Installation >20' To 25', Add	5.71	
For Elevated Installation >25' To 30', Add	7.99	
For Elevated Installation >30' To 35', Add	9.14	
For Elevated Installation >35' To 40', Add	11.42	
For Elevated Installation >40', Add	12.56	
For Work In Restricted Working Space, Add	6.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.85	
26 05 33 13-1374 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.33	13.18
For Elevated Installation >10' To 15', Add	2.64	
For Elevated Installation >15' To 20', Add	5.27	
For Elevated Installation >20' To 25', Add	6.59	
For Elevated Installation >25' To 30', Add	9.22	
For Elevated Installation >30' To 35', Add	10.54	
For Elevated Installation >35' To 40', Add	13.18	
For Elevated Installation >40', Add	14.49	
For Work In Restricted Working Space, Add	7.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.91	
26 05 33 13-1375 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.71	16.69
For Elevated Installation >10' To 15', Add	3.34	
For Elevated Installation >15' To 20', Add	6.68	
For Elevated Installation >20' To 25', Add	8.35	
For Elevated Installation >25' To 30', Add	11.68	
For Elevated Installation >30' To 35', Add	13.35	
For Elevated Installation >35' To 40', Add	16.69	
For Elevated Installation >40', Add	18.36	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-1376 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.69	19.32
For Elevated Installation >10' To 15', Add	3.87	
For Elevated Installation >15' To 20', Add	7.73	
For Elevated Installation >20' To 25', Add	9.66	
For Elevated Installation >25' To 30', Add	13.53	
For Elevated Installation >30' To 35', Add	15.46	
For Elevated Installation >35' To 40', Add	19.33	
For Elevated Installation >40', Add	21.26	
For Work In Restricted Working Space, Add	11.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 05 33 13-1377 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	74.21	21.96
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.98	
For Elevated Installation >25' To 30', Add	15.37	
For Elevated Installation >30' To 35', Add	17.57	
For Elevated Installation >35' To 40', Add	21.96	
For Elevated Installation >40', Add	24.16	
For Work In Restricted Working Space, Add	13.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.18	
26 05 33 13-1378 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	84.22	24.59
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.84	
For Elevated Installation >20' To 25', Add	12.30	
For Elevated Installation >25' To 30', Add	17.22	
For Elevated Installation >30' To 35', Add	19.68	
For Elevated Installation >35' To 40', Add	24.60	
For Elevated Installation >40', Add	27.05	
For Work In Restricted Working Space, Add	14.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.76	
26 05 33 13-1379 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	120.47	29.86
For Elevated Installation >10' To 15', Add	5.97	
For Elevated Installation >15' To 20', Add	11.94	
For Elevated Installation >20' To 25', Add	14.93	
For Elevated Installation >25' To 30', Add	20.90	
For Elevated Installation >30' To 35', Add	23.89	
For Elevated Installation >35' To 40', Add	29.86	
For Elevated Installation >40', Add	32.85	
For Work In Restricted Working Space, Add	17.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.92	
26 05 33 13-1380 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	155.21	41.29
For Elevated Installation >10' To 15', Add	8.26	
For Elevated Installation >15' To 20', Add	16.51	
For Elevated Installation >20' To 25', Add	20.64	
For Elevated Installation >25' To 30', Add	28.90	
For Elevated Installation >30' To 35', Add	33.02	
For Elevated Installation >35' To 40', Add	41.28	
For Elevated Installation >40', Add	45.41	
For Work In Restricted Working Space, Add	24.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.77	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1381	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	175.93	46.56
			<i>For Elevated Installation >10' To 15', Add</i>	9.31	
			<i>For Elevated Installation >15' To 20', Add</i>	18.62	
			<i>For Elevated Installation >20' To 25', Add</i>	23.28	
			<i>For Elevated Installation >25' To 30', Add</i>	32.59	
			<i>For Elevated Installation >30' To 35', Add</i>	37.24	
			<i>For Elevated Installation >35' To 40', Add</i>	46.55	
			<i>For Elevated Installation >40', Add</i>	51.21	
			<i>For Work In Restricted Working Space, Add</i>	27.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.93	
26 05 33	13-1382	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	212.41	60.61
			<i>For Elevated Installation >10' To 15', Add</i>	12.12	
			<i>For Elevated Installation >15' To 20', Add</i>	24.24	
			<i>For Elevated Installation >20' To 25', Add</i>	30.30	
			<i>For Elevated Installation >25' To 30', Add</i>	42.42	
			<i>For Elevated Installation >30' To 35', Add</i>	48.48	
			<i>For Elevated Installation >35' To 40', Add</i>	60.61	
			<i>For Elevated Installation >40', Add</i>	66.67	
			<i>For Work In Restricted Working Space, Add</i>	36.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.36	
26 05 33	13-1383	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	308.75	83.45
			<i>For Elevated Installation >10' To 15', Add</i>	16.69	
			<i>For Elevated Installation >15' To 20', Add</i>	33.38	
			<i>For Elevated Installation >20' To 25', Add</i>	41.72	
			<i>For Elevated Installation >25' To 30', Add</i>	58.41	
			<i>For Elevated Installation >30' To 35', Add</i>	66.76	
			<i>For Elevated Installation >35' To 40', Add</i>	83.45	
			<i>For Elevated Installation >40', Add</i>	91.79	
			<i>For Work In Restricted Working Space, Add</i>	50.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.07	
26 05 33	13-1384	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.78	11.42
			<i>For Elevated Installation >10' To 15', Add</i>	2.28	
			<i>For Elevated Installation >15' To 20', Add</i>	4.57	
			<i>For Elevated Installation >20' To 25', Add</i>	5.71	
			<i>For Elevated Installation >25' To 30', Add</i>	7.99	
			<i>For Elevated Installation >30' To 35', Add</i>	9.14	
			<i>For Elevated Installation >35' To 40', Add</i>	11.42	
			<i>For Elevated Installation >40', Add</i>	12.56	
			<i>For Work In Restricted Working Space, Add</i>	6.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.85	
26 05 33	13-1385	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.92	13.18
			<i>For Elevated Installation >10' To 15', Add</i>	2.64	
			<i>For Elevated Installation >15' To 20', Add</i>	5.27	
			<i>For Elevated Installation >20' To 25', Add</i>	6.59	
			<i>For Elevated Installation >25' To 30', Add</i>	9.22	
			<i>For Elevated Installation >30' To 35', Add</i>	10.54	
			<i>For Elevated Installation >35' To 40', Add</i>	13.18	
			<i>For Elevated Installation >40', Add</i>	14.49	
			<i>For Work In Restricted Working Space, Add</i>	7.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	
26 05 33	13-1386	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.34	16.69
			<i>For Elevated Installation >10' To 15', Add</i>	3.34	
			<i>For Elevated Installation >15' To 20', Add</i>	6.68	
			<i>For Elevated Installation >20' To 25', Add</i>	8.35	
			<i>For Elevated Installation >25' To 30', Add</i>	11.68	
			<i>For Elevated Installation >30' To 35', Add</i>	13.35	
			<i>For Elevated Installation >35' To 40', Add</i>	16.69	
			<i>For Elevated Installation >40', Add</i>	18.36	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
26 05 33	13-1387	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	68.87	19.32
			<i>For Elevated Installation >10' To 15', Add</i>	3.87	
			<i>For Elevated Installation >15' To 20', Add</i>	7.73	
			<i>For Elevated Installation >20' To 25', Add</i>	9.66	
			<i>For Elevated Installation >25' To 30', Add</i>	13.53	
			<i>For Elevated Installation >30' To 35', Add</i>	15.46	
			<i>For Elevated Installation >35' To 40', Add</i>	19.33	
			<i>For Elevated Installation >40', Add</i>	21.26	
			<i>For Work In Restricted Working Space, Add</i>	11.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.60	
26 05 33	13-1388	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	75.62	21.96
			<i>For Elevated Installation >10' To 15', Add</i>	4.39	
			<i>For Elevated Installation >15' To 20', Add</i>	8.78	
			<i>For Elevated Installation >20' To 25', Add</i>	10.98	
			<i>For Elevated Installation >25' To 30', Add</i>	15.37	
			<i>For Elevated Installation >30' To 35', Add</i>	17.57	
			<i>For Elevated Installation >35' To 40', Add</i>	21.96	
			<i>For Elevated Installation >40', Add</i>	24.16	
			<i>For Work In Restricted Working Space, Add</i>	13.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1389 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	85.66	24.59
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.84	
For Elevated Installation >20' To 25', Add	12.30	
For Elevated Installation >25' To 30', Add	17.22	
For Elevated Installation >30' To 35', Add	19.68	
For Elevated Installation >35' To 40', Add	24.60	
For Elevated Installation >40', Add	27.05	
For Work In Restricted Working Space, Add	14.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.76	
26 05 33 13-1390 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	129.89	29.86
For Elevated Installation >10' To 15', Add	5.97	
For Elevated Installation >15' To 20', Add	11.94	
For Elevated Installation >20' To 25', Add	14.93	
For Elevated Installation >25' To 30', Add	20.90	
For Elevated Installation >30' To 35', Add	23.89	
For Elevated Installation >35' To 40', Add	29.86	
For Elevated Installation >40', Add	32.85	
For Work In Restricted Working Space, Add	17.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.92	
26 05 33 13-1391 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	165.20	41.29
For Elevated Installation >10' To 15', Add	8.26	
For Elevated Installation >15' To 20', Add	16.51	
For Elevated Installation >20' To 25', Add	20.64	
For Elevated Installation >25' To 30', Add	28.90	
For Elevated Installation >30' To 35', Add	33.02	
For Elevated Installation >35' To 40', Add	41.28	
For Elevated Installation >40', Add	45.41	
For Work In Restricted Working Space, Add	24.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.77	
26 05 33 13-1392 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	184.94	46.56
For Elevated Installation >10' To 15', Add	9.31	
For Elevated Installation >15' To 20', Add	18.62	
For Elevated Installation >20' To 25', Add	23.28	
For Elevated Installation >25' To 30', Add	32.59	
For Elevated Installation >30' To 35', Add	37.24	
For Elevated Installation >35' To 40', Add	46.55	
For Elevated Installation >40', Add	51.21	
For Work In Restricted Working Space, Add	27.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.93	
26 05 33 13-1393 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	227.59	60.61
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.30	
For Elevated Installation >25' To 30', Add	42.42	
For Elevated Installation >30' To 35', Add	48.48	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
For Work In Restricted Working Space, Add	36.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.36	
26 05 33 13-1394 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	331.45	83.45
For Elevated Installation >10' To 15', Add	16.69	
For Elevated Installation >15' To 20', Add	33.38	
For Elevated Installation >20' To 25', Add	41.72	
For Elevated Installation >25' To 30', Add	58.41	
For Elevated Installation >30' To 35', Add	66.76	
For Elevated Installation >35' To 40', Add	83.45	
For Elevated Installation >40', Add	91.79	
For Work In Restricted Working Space, Add	50.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.07	
26 05 33 13-1395 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.70	11.42
For Elevated Installation >10' To 15', Add	2.28	
For Elevated Installation >15' To 20', Add	4.57	
For Elevated Installation >20' To 25', Add	5.71	
For Elevated Installation >25' To 30', Add	7.99	
For Elevated Installation >30' To 35', Add	9.14	
For Elevated Installation >35' To 40', Add	11.42	
For Elevated Installation >40', Add	12.56	
For Work In Restricted Working Space, Add	6.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.85	
26 05 33 13-1396 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.82	13.18
For Elevated Installation >10' To 15', Add	2.64	
For Elevated Installation >15' To 20', Add	5.27	
For Elevated Installation >20' To 25', Add	6.59	
For Elevated Installation >25' To 30', Add	9.22	
For Elevated Installation >30' To 35', Add	10.54	
For Elevated Installation >35' To 40', Add	13.18	
For Elevated Installation >40', Add	14.49	
For Work In Restricted Working Space, Add	7.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.91	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1397	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.76	16.69
			<i>For Elevated Installation >10' To 15', Add</i>	3.34	
			<i>For Elevated Installation >15' To 20', Add</i>	6.68	
			<i>For Elevated Installation >20' To 25', Add</i>	8.35	
			<i>For Elevated Installation >25' To 30', Add</i>	11.68	
			<i>For Elevated Installation >30' To 35', Add</i>	13.35	
			<i>For Elevated Installation >35' To 40', Add</i>	16.69	
			<i>For Elevated Installation >40', Add</i>	18.36	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
26 05 33	13-1398	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	69.18	19.32
			<i>For Elevated Installation >10' To 15', Add</i>	3.87	
			<i>For Elevated Installation >15' To 20', Add</i>	7.73	
			<i>For Elevated Installation >20' To 25', Add</i>	9.66	
			<i>For Elevated Installation >25' To 30', Add</i>	13.53	
			<i>For Elevated Installation >30' To 35', Add</i>	15.46	
			<i>For Elevated Installation >35' To 40', Add</i>	19.33	
			<i>For Elevated Installation >40', Add</i>	21.26	
			<i>For Work In Restricted Working Space, Add</i>	11.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.60	
26 05 33	13-1399	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	78.50	21.96
			<i>For Elevated Installation >10' To 15', Add</i>	4.39	
			<i>For Elevated Installation >15' To 20', Add</i>	8.78	
			<i>For Elevated Installation >20' To 25', Add</i>	10.98	
			<i>For Elevated Installation >25' To 30', Add</i>	15.37	
			<i>For Elevated Installation >30' To 35', Add</i>	17.57	
			<i>For Elevated Installation >35' To 40', Add</i>	21.96	
			<i>For Elevated Installation >40', Add</i>	24.16	
			<i>For Work In Restricted Working Space, Add</i>	13.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.18	
26 05 33	13-1400	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	92.68	24.59
			<i>For Elevated Installation >10' To 15', Add</i>	4.92	
			<i>For Elevated Installation >15' To 20', Add</i>	9.84	
			<i>For Elevated Installation >20' To 25', Add</i>	12.30	
			<i>For Elevated Installation >25' To 30', Add</i>	17.22	
			<i>For Elevated Installation >30' To 35', Add</i>	19.68	
			<i>For Elevated Installation >35' To 40', Add</i>	24.60	
			<i>For Elevated Installation >40', Add</i>	27.05	
			<i>For Work In Restricted Working Space, Add</i>	14.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.76	
26 05 33	13-1401	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	141.49	29.86
			<i>For Elevated Installation >10' To 15', Add</i>	5.97	
			<i>For Elevated Installation >15' To 20', Add</i>	11.94	
			<i>For Elevated Installation >20' To 25', Add</i>	14.93	
			<i>For Elevated Installation >25' To 30', Add</i>	20.90	
			<i>For Elevated Installation >30' To 35', Add</i>	23.89	
			<i>For Elevated Installation >35' To 40', Add</i>	29.86	
			<i>For Elevated Installation >40', Add</i>	32.85	
			<i>For Work In Restricted Working Space, Add</i>	17.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.92	
26 05 33	13-1402	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	178.88	41.29
			<i>For Elevated Installation >10' To 15', Add</i>	8.26	
			<i>For Elevated Installation >15' To 20', Add</i>	16.51	
			<i>For Elevated Installation >20' To 25', Add</i>	20.64	
			<i>For Elevated Installation >25' To 30', Add</i>	28.90	
			<i>For Elevated Installation >30' To 35', Add</i>	33.02	
			<i>For Elevated Installation >35' To 40', Add</i>	41.28	
			<i>For Elevated Installation >40', Add</i>	45.41	
			<i>For Work In Restricted Working Space, Add</i>	24.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.77	
26 05 33	13-1403	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	207.47	46.56
			<i>For Elevated Installation >10' To 15', Add</i>	9.31	
			<i>For Elevated Installation >15' To 20', Add</i>	18.62	
			<i>For Elevated Installation >20' To 25', Add</i>	23.28	
			<i>For Elevated Installation >25' To 30', Add</i>	32.59	
			<i>For Elevated Installation >30' To 35', Add</i>	37.24	
			<i>For Elevated Installation >35' To 40', Add</i>	46.55	
			<i>For Elevated Installation >40', Add</i>	51.21	
			<i>For Work In Restricted Working Space, Add</i>	27.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.93	
26 05 33	13-1404	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	250.39	60.61
			<i>For Elevated Installation >10' To 15', Add</i>	12.12	
			<i>For Elevated Installation >15' To 20', Add</i>	24.24	
			<i>For Elevated Installation >20' To 25', Add</i>	30.30	
			<i>For Elevated Installation >25' To 30', Add</i>	42.42	
			<i>For Elevated Installation >30' To 35', Add</i>	48.48	
			<i>For Elevated Installation >35' To 40', Add</i>	60.61	
			<i>For Elevated Installation >40', Add</i>	66.67	
			<i>For Work In Restricted Working Space, Add</i>	36.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1405 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	347.01	83.45
For Elevated Installation >10' To 15', Add	16.69	
For Elevated Installation >15' To 20', Add	33.38	
For Elevated Installation >20' To 25', Add	41.72	
For Elevated Installation >25' To 30', Add	58.41	
For Elevated Installation >30' To 35', Add	66.76	
For Elevated Installation >35' To 40', Add	83.45	
For Elevated Installation >40', Add	91.79	
For Work In Restricted Working Space, Add	50.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.07	
26 05 33 13-1406 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.66	11.42
For Elevated Installation >10' To 15', Add	2.28	
For Elevated Installation >15' To 20', Add	4.57	
For Elevated Installation >20' To 25', Add	5.71	
For Elevated Installation >25' To 30', Add	7.99	
For Elevated Installation >30' To 35', Add	9.14	
For Elevated Installation >35' To 40', Add	11.42	
For Elevated Installation >40', Add	12.56	
For Work In Restricted Working Space, Add	6.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.85	
26 05 33 13-1407 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.76	13.18
For Elevated Installation >10' To 15', Add	2.64	
For Elevated Installation >15' To 20', Add	5.27	
For Elevated Installation >20' To 25', Add	6.59	
For Elevated Installation >25' To 30', Add	9.22	
For Elevated Installation >30' To 35', Add	10.54	
For Elevated Installation >35' To 40', Add	13.18	
For Elevated Installation >40', Add	14.49	
For Work In Restricted Working Space, Add	7.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.91	
26 05 33 13-1408 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.15	16.69
For Elevated Installation >10' To 15', Add	3.34	
For Elevated Installation >15' To 20', Add	6.68	
For Elevated Installation >20' To 25', Add	8.35	
For Elevated Installation >25' To 30', Add	11.68	
For Elevated Installation >30' To 35', Add	13.35	
For Elevated Installation >35' To 40', Add	16.69	
For Elevated Installation >40', Add	18.36	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-1409 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	73.42	19.32
For Elevated Installation >10' To 15', Add	3.87	
For Elevated Installation >15' To 20', Add	7.73	
For Elevated Installation >20' To 25', Add	9.66	
For Elevated Installation >25' To 30', Add	13.53	
For Elevated Installation >30' To 35', Add	15.46	
For Elevated Installation >35' To 40', Add	19.33	
For Elevated Installation >40', Add	21.26	
For Work In Restricted Working Space, Add	11.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 05 33 13-1410 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	85.34	21.96
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.98	
For Elevated Installation >25' To 30', Add	15.37	
For Elevated Installation >30' To 35', Add	17.57	
For Elevated Installation >35' To 40', Add	21.96	
For Elevated Installation >40', Add	24.16	
For Work In Restricted Working Space, Add	13.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.18	
26 05 33 13-1411 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	103.01	24.59
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.84	
For Elevated Installation >20' To 25', Add	12.30	
For Elevated Installation >25' To 30', Add	17.22	
For Elevated Installation >30' To 35', Add	19.68	
For Elevated Installation >35' To 40', Add	24.60	
For Elevated Installation >40', Add	27.05	
For Work In Restricted Working Space, Add	14.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.76	
26 05 33 13-1412 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	153.75	29.86
For Elevated Installation >10' To 15', Add	5.97	
For Elevated Installation >15' To 20', Add	11.94	
For Elevated Installation >20' To 25', Add	14.93	
For Elevated Installation >25' To 30', Add	20.90	
For Elevated Installation >30' To 35', Add	23.89	
For Elevated Installation >35' To 40', Add	29.86	
For Elevated Installation >40', Add	32.85	
For Work In Restricted Working Space, Add	17.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.92	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1413	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	196.39	41.29
			<i>For Elevated Installation >10' To 15', Add</i>	8.26	
			<i>For Elevated Installation >15' To 20', Add</i>	16.51	
			<i>For Elevated Installation >20' To 25', Add</i>	20.64	
			<i>For Elevated Installation >25' To 30', Add</i>	28.90	
			<i>For Elevated Installation >30' To 35', Add</i>	33.02	
			<i>For Elevated Installation >35' To 40', Add</i>	41.28	
			<i>For Elevated Installation >40', Add</i>	45.41	
			<i>For Work In Restricted Working Space, Add</i>	24.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.77	
26 05 33	13-1414	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	231.14	46.56
			<i>For Elevated Installation >10' To 15', Add</i>	9.31	
			<i>For Elevated Installation >15' To 20', Add</i>	18.62	
			<i>For Elevated Installation >20' To 25', Add</i>	23.28	
			<i>For Elevated Installation >25' To 30', Add</i>	32.59	
			<i>For Elevated Installation >30' To 35', Add</i>	37.24	
			<i>For Elevated Installation >35' To 40', Add</i>	46.55	
			<i>For Elevated Installation >40', Add</i>	51.21	
			<i>For Work In Restricted Working Space, Add</i>	27.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.93	
26 05 33	13-1415	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	290.27	60.61
			<i>For Elevated Installation >10' To 15', Add</i>	12.12	
			<i>For Elevated Installation >15' To 20', Add</i>	24.24	
			<i>For Elevated Installation >20' To 25', Add</i>	30.30	
			<i>For Elevated Installation >25' To 30', Add</i>	42.42	
			<i>For Elevated Installation >30' To 35', Add</i>	48.48	
			<i>For Elevated Installation >35' To 40', Add</i>	60.61	
			<i>For Elevated Installation >40', Add</i>	66.67	
			<i>For Work In Restricted Working Space, Add</i>	36.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.36	
26 05 33	13-1416	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	378.05	83.45
			<i>For Elevated Installation >10' To 15', Add</i>	16.69	
			<i>For Elevated Installation >15' To 20', Add</i>	33.38	
			<i>For Elevated Installation >20' To 25', Add</i>	41.72	
			<i>For Elevated Installation >25' To 30', Add</i>	58.41	
			<i>For Elevated Installation >30' To 35', Add</i>	66.76	
			<i>For Elevated Installation >35' To 40', Add</i>	83.45	
			<i>For Elevated Installation >40', Add</i>	91.79	
			<i>For Work In Restricted Working Space, Add</i>	50.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.07	
26 05 33	13-1417	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.65	11.42
			<i>For Elevated Installation >10' To 15', Add</i>	2.28	
			<i>For Elevated Installation >15' To 20', Add</i>	4.57	
			<i>For Elevated Installation >20' To 25', Add</i>	5.71	
			<i>For Elevated Installation >25' To 30', Add</i>	7.99	
			<i>For Elevated Installation >30' To 35', Add</i>	9.14	
			<i>For Elevated Installation >35' To 40', Add</i>	11.42	
			<i>For Elevated Installation >40', Add</i>	12.56	
			<i>For Work In Restricted Working Space, Add</i>	6.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.85	
26 05 33	13-1418	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.87	13.18
			<i>For Elevated Installation >10' To 15', Add</i>	2.64	
			<i>For Elevated Installation >15' To 20', Add</i>	5.27	
			<i>For Elevated Installation >20' To 25', Add</i>	6.59	
			<i>For Elevated Installation >25' To 30', Add</i>	9.22	
			<i>For Elevated Installation >30' To 35', Add</i>	10.54	
			<i>For Elevated Installation >35' To 40', Add</i>	13.18	
			<i>For Elevated Installation >40', Add</i>	14.49	
			<i>For Work In Restricted Working Space, Add</i>	7.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	
26 05 33	13-1419	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.68	16.69
			<i>For Elevated Installation >10' To 15', Add</i>	3.34	
			<i>For Elevated Installation >15' To 20', Add</i>	6.68	
			<i>For Elevated Installation >20' To 25', Add</i>	8.35	
			<i>For Elevated Installation >25' To 30', Add</i>	11.68	
			<i>For Elevated Installation >30' To 35', Add</i>	13.35	
			<i>For Elevated Installation >35' To 40', Add</i>	16.69	
			<i>For Elevated Installation >40', Add</i>	18.36	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
26 05 33	13-1420	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	80.40	19.32
			<i>For Elevated Installation >10' To 15', Add</i>	3.87	
			<i>For Elevated Installation >15' To 20', Add</i>	7.73	
			<i>For Elevated Installation >20' To 25', Add</i>	9.66	
			<i>For Elevated Installation >25' To 30', Add</i>	13.53	
			<i>For Elevated Installation >30' To 35', Add</i>	15.46	
			<i>For Elevated Installation >35' To 40', Add</i>	19.33	
			<i>For Elevated Installation >40', Add</i>	21.26	
			<i>For Work In Restricted Working Space, Add</i>	11.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1421 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	93.61	21.96
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.78	
For Elevated Installation >20' To 25', Add	10.98	
For Elevated Installation >25' To 30', Add	15.37	
For Elevated Installation >30' To 35', Add	17.57	
For Elevated Installation >35' To 40', Add	21.96	
For Elevated Installation >40', Add	24.16	
For Work In Restricted Working Space, Add	13.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.18	
26 05 33 13-1422 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	111.30	24.59
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.84	
For Elevated Installation >20' To 25', Add	12.30	
For Elevated Installation >25' To 30', Add	17.22	
For Elevated Installation >30' To 35', Add	19.68	
For Elevated Installation >35' To 40', Add	24.60	
For Elevated Installation >40', Add	27.05	
For Work In Restricted Working Space, Add	14.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.76	
26 05 33 13-1423 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	170.11	29.86
For Elevated Installation >10' To 15', Add	5.97	
For Elevated Installation >15' To 20', Add	11.94	
For Elevated Installation >20' To 25', Add	14.93	
For Elevated Installation >25' To 30', Add	20.90	
For Elevated Installation >30' To 35', Add	23.89	
For Elevated Installation >35' To 40', Add	29.86	
For Elevated Installation >40', Add	32.85	
For Work In Restricted Working Space, Add	17.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.92	
26 05 33 13-1424 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	222.65	41.29
For Elevated Installation >10' To 15', Add	8.26	
For Elevated Installation >15' To 20', Add	16.51	
For Elevated Installation >20' To 25', Add	20.64	
For Elevated Installation >25' To 30', Add	28.90	
For Elevated Installation >30' To 35', Add	33.02	
For Elevated Installation >35' To 40', Add	41.28	
For Elevated Installation >40', Add	45.41	
For Work In Restricted Working Space, Add	24.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.77	
26 05 33 13-1425 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	245.66	46.56
For Elevated Installation >10' To 15', Add	9.31	
For Elevated Installation >15' To 20', Add	18.62	
For Elevated Installation >20' To 25', Add	23.28	
For Elevated Installation >25' To 30', Add	32.59	
For Elevated Installation >30' To 35', Add	37.24	
For Elevated Installation >35' To 40', Add	46.55	
For Elevated Installation >40', Add	51.21	
For Work In Restricted Working Space, Add	27.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.93	
26 05 33 13-1426 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	302.50	60.61
For Elevated Installation >10' To 15', Add	12.12	
For Elevated Installation >15' To 20', Add	24.24	
For Elevated Installation >20' To 25', Add	30.30	
For Elevated Installation >25' To 30', Add	42.42	
For Elevated Installation >30' To 35', Add	48.48	
For Elevated Installation >35' To 40', Add	60.61	
For Elevated Installation >40', Add	66.67	
For Work In Restricted Working Space, Add	36.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.36	
26 05 33 13-1427 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	382.48	83.45
For Elevated Installation >10' To 15', Add	16.69	
For Elevated Installation >15' To 20', Add	33.38	
For Elevated Installation >20' To 25', Add	41.72	
For Elevated Installation >25' To 30', Add	58.41	
For Elevated Installation >30' To 35', Add	66.76	
For Elevated Installation >35' To 40', Add	83.45	
For Elevated Installation >40', Add	91.79	
For Work In Restricted Working Space, Add	50.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.07	
26 05 33 13-1428 Aluminum Rigid Conduit (ARC) <small>(26 05 33 13-0058)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1429 Aluminum Rigid Conduit (ARC) With Threaded Coupling <small>(26 05 33 13-1428)</small>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1430 LF 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	7.93	2.71
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.01	
For Work In Restricted Working Space, Add	2.03	
26 05 33 13-1431 LF 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	9.02	2.98
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.12	
For Work In Restricted Working Space, Add	2.23	
26 05 33 13-1432 LF 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	10.35	3.25
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.22	
For Work In Restricted Working Space, Add	2.43	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1433	LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	11.73 1.32 2.64	3.52
26 05 33	13-1434	LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	13.11 1.42 2.84	3.79
26 05 33	13-1435	LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	15.69 1.62 3.24	4.33
26 05 33	13-1436	LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	21.23 2.03 4.06	5.40
26 05 33	13-1437	LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	26.34 2.43 4.86	6.48
26 05 33	13-1438	LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	32.42 3.04 6.08	8.11
26 05 33	13-1439	LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	40.07 3.85 7.70	10.27
26 05 33	13-1440	LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	53.04 4.87 9.73	12.98
26 05 33	13-1441	LF	6" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	67.65 6.08 12.16	16.21
26 05 33 13-1442 Aluminum 90 Degree Elbows <small>(26 05 33 13-1428)</small>					
26 05 33	13-1443	EA	1" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	47.68 10.54	14.06
26 05 33	13-1444	EA	1-1/4" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	59.80 11.96	15.94
26 05 33	13-1445	EA	1-1/2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	72.48 13.79	18.38
26 05 33	13-1446	EA	2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	91.77 15.81	21.08
26 05 33	13-1447	EA	2-1/2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	130.01 19.26	25.67
26 05 33	13-1448	EA	3" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	184.78 24.93	33.25
26 05 33	13-1449	EA	3-1/2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	251.81 27.97	37.30
26 05 33	13-1450	EA	4" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	304.90 35.07	46.76
26 05 33	13-1451	EA	5" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	746.47 57.17	76.22
26 05 33	13-1452	EA	6" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,055.65 85.95	114.60
26 05 33 13-1453 Aluminum Bushing Set With Locknut <small>(26 05 33 13-1428)</small>					
26 05 33	13-1454	EA	1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.47 4.06 4.06	5.40
26 05 33	13-1455	EA	3/4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.41 5.27 5.27	7.02
26 05 33	13-1456	EA	1" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.24 6.49 6.49	8.65
26 05 33	13-1457	EA	1-1/4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.01 7.30 7.30	9.73
26 05 33	13-1458	EA	1-1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.61 8.92 8.92	11.89
26 05 33	13-1459	EA	2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.27 10.74 10.74	14.33
26 05 33	13-1460	EA	2-1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.54 12.77 12.77	17.03
26 05 33	13-1461	EA	3" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.06 14.60 14.60	19.46
26 05 33	13-1462	EA	3-1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.40 15.81 15.81	21.08
26 05 33	13-1463	EA	4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.39 17.03 17.03	22.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1464 EA 5" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.72 22.70 22.70	30.27
26 05 33 13-1465 EA 6" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.19 34.06 34.06	45.40
26 05 33 13-1466 Schedule 40 Polyvinyl Chloride (PVC) Conduit <small>(26 05 33 13-0058)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1467 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <small>(26 05 33 13-1466)</small> Note: Includes field bend conduit up to 1".		
26 05 33 13-1468 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.80 0.47 0.81	1.96
26 05 33 13-1469 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	6.58 0.57 0.96	2.15
26 05 33 13-1470 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	8.07 0.76 1.26	2.51
26 05 33 13-1471 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	9.57 0.96 1.56	2.86
26 05 33 13-1472 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	11.24 1.14 1.84	3.34
26 05 33 13-1473 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	13.35 1.43 2.28	3.83
26 05 33 13-1474 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	17.40 2.08 3.25	4.54
26 05 33 13-1475 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	20.35 2.46 3.84	5.26
26 05 33 13-1476 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	24.74 3.08 4.78	6.21
26 05 33 13-1477 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	29.25 3.49 5.46	7.65
26 05 33 13-1478 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	41.65 5.03 7.86	10.76
26 05 33 13-1479 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	55.34 6.67 10.41	14.34
26 05 33 13-1480 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows <small>(26 05 33 13-1466)</small> See CSI section 26 05 33 13-2307 for conduit field bending.		
26 05 33 13-1481 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2307 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	25.36 1.56 2.90	9.56
26 05 33 13-1482 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2307 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	28.04 1.75 3.24	10.52
26 05 33 13-1483 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2307 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	32.61 2.18 3.95	11.95
26 05 33 13-1484 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2307 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	42.20 2.90 5.21	15.29
26 05 33 13-1485 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2307 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	53.17 3.73 6.66	19.12
26 05 33 13-1486 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2307 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	67.17 4.84 8.57	23.90
26 05 33 13-1487 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2307 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	84.84 6.87 11.77	28.68
26 05 33 13-1488 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2307 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	105.15 9.56 15.89	33.46

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1489 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	131.48	40.63
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	12.56	
For Schedule 80, Add	20.63	
26 05 33 13-1490 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	157.97	47.80
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	15.59	
For Schedule 80, Add	25.42	
26 05 33 13-1491 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	217.14	59.75
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	24.41	
For Schedule 80, Add	38.66	
26 05 33 13-1492 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	265.66	71.70
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	30.57	
For Schedule 80, Add	48.17	
26 05 33 13-1493 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows (26 05 33 13-1466)		
See CSI section 26 05 33 13-2307 for conduit field bending.		
26 05 33 13-1494 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	25.36	9.56
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	1.56	
For Schedule 80, Add	2.90	
26 05 33 13-1495 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	27.94	10.52
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	1.73	
For Schedule 80, Add	3.21	
26 05 33 13-1496 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	32.47	11.95
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	2.14	
For Schedule 80, Add	3.90	
26 05 33 13-1497 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	41.77	15.29
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	2.79	
For Schedule 80, Add	5.06	
26 05 33 13-1498 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	52.21	19.12
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	3.49	
For Schedule 80, Add	6.32	
26 05 33 13-1499 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	66.65	23.90
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	4.71	
For Schedule 80, Add	8.39	
26 05 33 13-1500 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	83.88	28.68
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	6.63	
For Schedule 80, Add	11.43	
26 05 33 13-1501 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	103.94	33.46
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	9.26	
For Schedule 80, Add	15.47	
26 05 33 13-1502 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	128.07	40.63
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	11.70	
For Schedule 80, Add	19.43	
26 05 33 13-1503 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	155.05	47.80
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	14.86	
For Schedule 80, Add	24.40	
26 05 33 13-1504 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	213.35	59.75
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	23.47	
For Schedule 80, Add	37.33	
26 05 33 13-1505 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	254.36	71.70
See CSI section 26 05 33 13-2307 for conduit field bending.		
For Schedule 60, Add	27.74	
For Schedule 80, Add	44.22	
26 05 33 13-1506 Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow (26 05 33 13-1466)		
26 05 33 13-1507 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	95.34	33.38
For Schedule 80, Add	16.68	
26 05 33 13-1508 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	111.49	38.65
For Schedule 80, Add	19.70	
26 05 33 13-1509 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	126.30	43.92
For Schedule 80, Add	22.25	
26 05 33 13-1510 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	148.15	48.31
For Schedule 80, Add	27.70	
26 05 33 13-1511 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	193.36	60.61
For Schedule 80, Add	37.37	
26 05 33 13-1512 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	254.27	82.57
For Schedule 80, Add	47.71	
26 05 33 13-1513 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	303.07	93.11
For Schedule 80, Add	59.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1514 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	367.75 68.10	121.22
26 05 33 13-1515 Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow (26 05 <small>33 13-1466)</small>		
26 05 33 13-1516 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	100.59 18.52	33.38
26 05 33 13-1517 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	124.12 24.12	38.65
26 05 33 13-1518 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	144.38 28.57	43.92
26 05 33 13-1519 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	157.10 30.83	48.31
26 05 33 13-1520 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	220.94 47.02	60.61
26 05 33 13-1521 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	294.38 61.75	82.57
26 05 33 13-1522 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	327.76 68.16	93.11
26 05 33 13-1523 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	397.64 78.56	121.22
26 05 33 13-1524 Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow (26 05 <small>33 13-1466)</small>		
26 05 33 13-1525 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	114.74 23.47	33.38
26 05 33 13-1526 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	130.05 26.19	38.65
26 05 33 13-1527 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	147.86 29.79	43.92
26 05 33 13-1528 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	173.98 36.74	48.31
26 05 33 13-1529 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	231.21 50.62	60.61
26 05 33 13-1530 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	303.00 64.77	82.57
26 05 33 13-1531 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	360.63 79.66	93.11
26 05 33 13-1532 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	427.16 88.90	121.22
26 05 33 13-1533 Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow (26 05 <small>33 13-1466)</small>		
26 05 33 13-1534 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	117.63 24.48	33.38
26 05 33 13-1535 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	147.59 32.33	38.65
26 05 33 13-1536 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	161.78 34.66	43.92
26 05 33 13-1537 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	174.60 36.96	48.31
26 05 33 13-1538 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	253.84 58.54	60.61
26 05 33 13-1539 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	353.71 82.51	82.57
26 05 33 13-1540 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	406.81 95.83	93.11
26 05 33 13-1541 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	481.85 108.04	121.22
26 05 33 13-1542 EA 5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	772.93 171.70	197.31
26 05 33 13-1543 EA 6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	1,135.50 248.97	297.31
26 05 33 13-1544 Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow (26 05 <small>33 13-1466)</small>		
26 05 33 13-1545 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	128.72 28.36	33.38
26 05 33 13-1546 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	150.56 33.37	38.65
26 05 33 13-1547 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	170.71 37.79	43.92
26 05 33 13-1548 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	205.45 47.75	48.31
26 05 33 13-1549 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	275.93 66.27	60.61
26 05 33 13-1550 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	389.99 95.21	82.57
26 05 33 13-1551 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	441.50 107.97	93.11

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1552	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	542.05	121.22
			<i>For Schedule 80, Add</i>	129.11	
26 05 33	13-1553	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	808.15	197.31
			<i>For Schedule 80, Add</i>	184.03	
26 05 33	13-1554	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	1,164.01	297.31
			<i>For Schedule 80, Add</i>	258.95	
26 05 33 13-1555 Polyvinyl Chloride (PVC) Conduit Female Adapters <small>(26 05 33 13-1466)</small>					
26 05 33	13-1556	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	17.40	6.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.02	
26 05 33	13-1557	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	20.03	7.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.74	
26 05 33	13-1558	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter	22.77	8.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33	13-1559	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	25.63	9.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.17	
26 05 33	13-1560	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	31.76	11.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.96	
26 05 33	13-1561	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter	38.52	14.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.75	
26 05 33	13-1562	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	52.75	19.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33	13-1563	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter	66.50	23.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.93	
26 05 33	13-1564	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	86.24	31.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.30	
26 05 33	13-1565	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter	104.54	38.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.68	
26 05 33	13-1566	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter	137.55	47.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.85	
26 05 33	13-1567	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter	171.15	59.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.81	
26 05 33 13-1568 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug <small>(26 05 33 13-1466)</small>					
26 05 33	13-1569	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	19.85	5.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.30	
26 05 33	13-1570	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	22.63	6.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.02	
26 05 33	13-1571	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	25.44	7.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.74	
26 05 33	13-1572	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	30.19	8.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33	13-1573	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	33.65	9.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.17	
26 05 33	13-1574	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	40.28	11.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.24	
26 05 33	13-1575	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	45.11	12.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.32	
26 05 33	13-1576	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	51.11	14.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.75	
26 05 33	13-1577	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	60.51	16.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.55	
26 05 33	13-1578	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	66.87	19.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33	13-1579	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	83.93	21.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33	13-1580	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	94.33	23.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.93	
26 05 33 13-1581 Polyvinyl Chloride (PVC) Conduit Terminal Adapters <small>(26 05 33 13-1466)</small>					
26 05 33	13-1582	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	18.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.52	
26 05 33	13-1583	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	22.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.61	
26 05 33	13-1584	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	25.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33	13-1585	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	28.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.18	
26 05 33	13-1586	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	31.52	11.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.96	
26 05 33	13-1587	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	38.20	14.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.75	
26 05 33	13-1588	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	52.10	19.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33	13-1589	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	65.60	23.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.93	
26 05 33	13-1590	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	85.09	31.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.30	
26 05 33	13-1591	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	103.36	38.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1592 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	135.21	47.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.85	
26 05 33 13-1593 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	168.35	59.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.81	
26 05 33 13-1594 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <small>(26 05 33 13-1466)</small>		
26 05 33 13-1595 EA 1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	54.10	19.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.34	
26 05 33 13-1596 EA 3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	62.69	21.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.13	
26 05 33 13-1597 EA 1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	69.62	23.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.93	
26 05 33 13-1598 EA 1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	85.80	28.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.51	
26 05 33 13-1599 EA 1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	106.12	35.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.89	
26 05 33 13-1600 EA 2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	136.79	43.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.26	
26 05 33 13-1601 EA 2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	229.31	47.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.85	
26 05 33 13-1602 EA 3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	245.09	52.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.44	
26 05 33 13-1603 EA 3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	266.80	59.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.81	
26 05 33 13-1604 EA 4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	298.37	69.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.98	
26 05 33 13-1605 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <small>(26 05 33 13-1466)</small>		
26 05 33 13-1606 EA 1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	75.96	27.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 33 13-1607 EA 3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	84.84	29.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.30	
26 05 33 13-1608 EA 1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	91.84	32.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.33	
26 05 33 13-1609 EA 1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	114.01	37.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.38	
26 05 33 13-1610 EA 1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	137.79	45.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.46	
26 05 33 13-1611 EA 2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	168.63	54.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.54	
26 05 33 13-1612 Polyvinyl Chloride (PVC) Conduit Expansion Joint <small>(26 05 33 13-1466)</small>		
26 05 33 13-1613 EA 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	113.65	23.90
26 05 33 13-1614 EA 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	126.95	28.68
26 05 33 13-1615 EA 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	141.08	33.46
26 05 33 13-1616 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	154.38	38.24
26 05 33 13-1617 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	167.37	43.01
26 05 33 13-1618 EA 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	182.92	47.80
26 05 33 13-1619 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	223.20	54.96
26 05 33 13-1620 EA 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	266.66	62.13
26 05 33 13-1621 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	311.93	71.70
26 05 33 13-1622 EA 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	370.76	83.65
26 05 33 13-1623 EA 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	488.22	100.37
26 05 33 13-1624 EA 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	641.42	129.05
26 05 33 13-1625 Polyvinyl Chloride (PVC) Conduit End Caps <small>(26 05 33 13-1466)</small>		
26 05 33 13-1626 EA 1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	14.78	4.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.59	
26 05 33 13-1627 EA 3/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	17.49	5.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.30	
26 05 33 13-1628 EA 1" Polyvinyl Chloride (PVC) Conduit End Cap.....	20.13	6.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	
26 05 33 13-1629 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	24.01	7.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.74	
26 05 33 13-1630 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	27.94	8.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 05 33 13-1631 EA 2" Polyvinyl Chloride (PVC) Conduit End Cap.....	32.89	9.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.17	
26 05 33 13-1632 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	46.54	11.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.24	
26 05 33 13-1633 EA 3" Polyvinyl Chloride (PVC) Conduit End Cap.....	51.04	12.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.32	
26 05 33 13-1634 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	64.92	13.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.40	
26 05 33 13-1635 EA 4" Polyvinyl Chloride (PVC) Conduit End Cap.....	78.26	14.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.12	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1636 EA 5" Polyvinyl Chloride (PVC) Conduit End Cap	90.83	16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.55	
26 05 33 13-1637 EA 6" Polyvinyl Chloride (PVC) Conduit End Cap	114.60	19.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33 13-1638 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-1466)		
26 05 33 13-1639 EA 2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	143.84	43.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.26	
26 05 33 13-1640 EA 3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	145.00	28.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.51	
26 05 33 13-1641 EA 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	344.20	47.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.85	
26 05 33 13-1642 EA 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	662.21	69.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.98	
26 05 33 13-1643 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-0058)		
Note: Exposed installation. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1644 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-1643)		
26 05 33 13-1645 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.59	1.96
26 05 33 13-1646 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.80	2.15
26 05 33 13-1647 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.06	2.48
26 05 33 13-1648 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.33	2.86
26 05 33 13-1649 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	16.10	3.34
26 05 33 13-1650 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	17.51	3.83
26 05 33 13-1651 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	20.87	4.54
26 05 33 13-1652 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	24.57	5.26
26 05 33 13-1653 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	28.39	6.21
26 05 33 13-1654 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	33.40	7.65
26 05 33 13-1655 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	44.73	10.76
26 05 33 13-1656 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	58.16	14.34
26 05 33 13-1657 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1643)		
26 05 33 13-1658 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	129.33	9.56
<i>For 24" Radius, Add</i>	9.10	
<i>For 36" Radius, Add</i>	12.93	
<i>For 48" Radius, Add</i>	16.76	
26 05 33 13-1659 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	144.32	10.52
<i>For 24" Radius, Add</i>	10.17	
<i>For 36" Radius, Add</i>	14.43	
<i>For 48" Radius, Add</i>	18.70	
26 05 33 13-1660 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	149.10	11.95
<i>For 24" Radius, Add</i>	10.44	
<i>For 36" Radius, Add</i>	14.91	
<i>For 48" Radius, Add</i>	19.38	
26 05 33 13-1661 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	158.63	15.29
<i>For 24" Radius, Add</i>	10.94	
<i>For 36" Radius, Add</i>	15.86	
<i>For 48" Radius, Add</i>	20.78	
26 05 33 13-1662 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	169.39	19.12
<i>For 24" Radius, Add</i>	11.51	
<i>For 36" Radius, Add</i>	16.94	
<i>For 48" Radius, Add</i>	22.37	
26 05 33 13-1663 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	198.11	23.90
<i>For 24" Radius, Add</i>	13.36	
<i>For 36" Radius, Add</i>	19.81	
<i>For 48" Radius, Add</i>	26.26	
26 05 33 13-1664 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	237.30	28.68
<i>For 24" Radius, Add</i>	16.01	
<i>For 36" Radius, Add</i>	23.73	
<i>For 48" Radius, Add</i>	31.46	
26 05 33 13-1665 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	282.37	33.46
<i>For 24" Radius, Add</i>	19.09	
<i>For 36" Radius, Add</i>	28.24	
<i>For 48" Radius, Add</i>	37.39	
26 05 33 13-1666 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	325.13	40.63
<i>For 24" Radius, Add</i>	21.85	
<i>For 36" Radius, Add</i>	32.51	
<i>For 48" Radius, Add</i>	43.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1667 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	367.89	47.80
<i>For 24" Radius, Add</i>	24.60	
<i>For 36" Radius, Add</i>	36.79	
<i>For 48" Radius, Add</i>	48.97	
26 05 33 13-1668 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	459.86	59.75
<i>For 24" Radius, Add</i>	30.76	
<i>For 36" Radius, Add</i>	45.99	
<i>For 48" Radius, Add</i>	61.22	
26 05 33 13-1669 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	567.36	71.70
<i>For 24" Radius, Add</i>	38.07	
<i>For 36" Radius, Add</i>	56.74	
<i>For 48" Radius, Add</i>	75.40	
26 05 33 13-1670 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1643)</small>		
26 05 33 13-1671 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	110.35	9.56
<i>For 24" Radius, Add</i>	7.68	
<i>For 36" Radius, Add</i>	11.04	
<i>For 48" Radius, Add</i>	14.39	
26 05 33 13-1672 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	123.08	10.52
<i>For 24" Radius, Add</i>	8.57	
<i>For 36" Radius, Add</i>	12.31	
<i>For 48" Radius, Add</i>	16.04	
26 05 33 13-1673 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	127.64	11.95
<i>For 24" Radius, Add</i>	8.83	
<i>For 36" Radius, Add</i>	12.76	
<i>For 48" Radius, Add</i>	16.70	
26 05 33 13-1674 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	136.96	15.29
<i>For 24" Radius, Add</i>	9.32	
<i>For 36" Radius, Add</i>	13.70	
<i>For 48" Radius, Add</i>	18.08	
26 05 33 13-1675 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	147.50	19.12
<i>For 24" Radius, Add</i>	9.87	
<i>For 36" Radius, Add</i>	14.75	
<i>For 48" Radius, Add</i>	19.63	
26 05 33 13-1676 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	173.20	23.90
<i>For 24" Radius, Add</i>	11.50	
<i>For 36" Radius, Add</i>	17.32	
<i>For 48" Radius, Add</i>	23.14	
26 05 33 13-1677 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	207.49	28.68
<i>For 24" Radius, Add</i>	13.77	
<i>For 36" Radius, Add</i>	20.75	
<i>For 48" Radius, Add</i>	27.73	
26 05 33 13-1678 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	246.60	33.46
<i>For 24" Radius, Add</i>	16.40	
<i>For 36" Radius, Add</i>	24.66	
<i>For 48" Radius, Add</i>	32.92	
26 05 33 13-1679 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	284.89	40.63
<i>For 24" Radius, Add</i>	18.83	
<i>For 36" Radius, Add</i>	28.49	
<i>For 48" Radius, Add</i>	38.15	
26 05 33 13-1680 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	323.18	47.80
<i>For 24" Radius, Add</i>	21.25	
<i>For 36" Radius, Add</i>	32.32	
<i>For 48" Radius, Add</i>	43.38	
26 05 33 13-1681 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	403.97	59.75
<i>For 24" Radius, Add</i>	26.56	
<i>For 36" Radius, Add</i>	40.40	
<i>For 48" Radius, Add</i>	54.23	
26 05 33 13-1682 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	497.50	71.70
<i>For 24" Radius, Add</i>	32.83	
<i>For 36" Radius, Add</i>	49.75	
<i>For 48" Radius, Add</i>	66.67	
26 05 33 13-1683 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1643)</small>		
26 05 33 13-1684 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	102.69	8.60
<i>For 24" Radius, Add</i>	7.16	
<i>For 36" Radius, Add</i>	10.27	
<i>For 48" Radius, Add</i>	13.37	
26 05 33 13-1685 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	114.54	9.46
<i>For 24" Radius, Add</i>	8.00	
<i>For 36" Radius, Add</i>	11.45	
<i>For 48" Radius, Add</i>	14.91	
26 05 33 13-1686 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	118.70	10.76
<i>For 24" Radius, Add</i>	8.23	
<i>For 36" Radius, Add</i>	11.87	
<i>For 48" Radius, Add</i>	15.51	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1687	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	127.11	13.76
			<i>For 24" Radius, Add</i>	8.67	
			<i>For 36" Radius, Add</i>	12.71	
			<i>For 48" Radius, Add</i>	16.75	
26 05 33	13-1688	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	136.63	17.21
			<i>For 24" Radius, Add</i>	9.17	
			<i>For 36" Radius, Add</i>	13.66	
			<i>For 48" Radius, Add</i>	18.15	
26 05 33	13-1689	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	160.30	21.51
			<i>For 24" Radius, Add</i>	10.68	
			<i>For 36" Radius, Add</i>	16.03	
			<i>For 48" Radius, Add</i>	21.38	
26 05 33	13-1690	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	192.04	25.81
			<i>For 24" Radius, Add</i>	12.79	
			<i>For 36" Radius, Add</i>	19.20	
			<i>For 48" Radius, Add</i>	25.62	
26 05 33	13-1691	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	228.29	30.12
			<i>For 24" Radius, Add</i>	15.24	
			<i>For 36" Radius, Add</i>	22.83	
			<i>For 48" Radius, Add</i>	30.42	
26 05 33	13-1692	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	263.56	36.56
			<i>For 24" Radius, Add</i>	17.48	
			<i>For 36" Radius, Add</i>	26.36	
			<i>For 48" Radius, Add</i>	35.23	
26 05 33	13-1693	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	298.81	43.01
			<i>For 24" Radius, Add</i>	19.72	
			<i>For 36" Radius, Add</i>	29.88	
			<i>For 48" Radius, Add</i>	40.04	
26 05 33	13-1694	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	373.52	53.77
			<i>For 24" Radius, Add</i>	24.65	
			<i>For 36" Radius, Add</i>	37.35	
			<i>For 48" Radius, Add</i>	50.05	
26 05 33	13-1695	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	460.17	64.53
			<i>For 24" Radius, Add</i>	30.48	
			<i>For 36" Radius, Add</i>	46.02	
			<i>For 48" Radius, Add</i>	61.55	
26 05 33	13-1696		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1643)</small>		
26 05 33	13-1697	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	97.42	8.60
			<i>For 24" Radius, Add</i>	6.77	
			<i>For 36" Radius, Add</i>	9.74	
			<i>For 48" Radius, Add</i>	12.72	
26 05 33	13-1698	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	108.64	9.46
			<i>For 24" Radius, Add</i>	7.56	
			<i>For 36" Radius, Add</i>	10.86	
			<i>For 48" Radius, Add</i>	14.17	
26 05 33	13-1699	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	112.74	10.76
			<i>For 24" Radius, Add</i>	7.78	
			<i>For 36" Radius, Add</i>	11.27	
			<i>For 48" Radius, Add</i>	14.76	
26 05 33	13-1700	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	121.09	13.76
			<i>For 24" Radius, Add</i>	8.22	
			<i>For 36" Radius, Add</i>	12.11	
			<i>For 48" Radius, Add</i>	16.00	
26 05 33	13-1701	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	130.55	17.21
			<i>For 24" Radius, Add</i>	8.72	
			<i>For 36" Radius, Add</i>	13.06	
			<i>For 48" Radius, Add</i>	17.39	
26 05 33	13-1702	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	153.39	21.51
			<i>For 24" Radius, Add</i>	10.16	
			<i>For 36" Radius, Add</i>	15.34	
			<i>For 48" Radius, Add</i>	20.52	
26 05 33	13-1703	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	183.76	25.81
			<i>For 24" Radius, Add</i>	12.17	
			<i>For 36" Radius, Add</i>	18.38	
			<i>For 48" Radius, Add</i>	24.58	
26 05 33	13-1704	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	218.36	30.12
			<i>For 24" Radius, Add</i>	14.50	
			<i>For 36" Radius, Add</i>	21.84	
			<i>For 48" Radius, Add</i>	29.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1705	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	252.38	36.56
				For 24" Radius, Add	16.64	
				For 36" Radius, Add	25.24	
				For 48" Radius, Add	33.83	
26 05 33 13-1706	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	286.39	43.01
				For 24" Radius, Add	18.79	
				For 36" Radius, Add	28.64	
				For 48" Radius, Add	38.49	
26 05 33 13-1707	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	357.99	53.77
				For 24" Radius, Add	23.49	
				For 36" Radius, Add	35.80	
				For 48" Radius, Add	48.11	
26 05 33 13-1708	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	440.76	64.53
				For 24" Radius, Add	29.02	
				For 36" Radius, Add	44.08	
				For 48" Radius, Add	59.13	
26 05 33 13-1709 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-1643)</small>						
26 05 33 13-1710	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	60.38	6.69
26 05 33 13-1711	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	67.76	7.65
26 05 33 13-1712	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	70.65	8.60
26 05 33 13-1713	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	73.45	9.56
26 05 33 13-1714	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	80.42	11.95
26 05 33 13-1715	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	96.03	14.34
26 05 33 13-1716	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	120.25	19.12
26 05 33 13-1717	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	146.69	23.90
26 05 33 13-1718	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	175.48	31.07
26 05 33 13-1719	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	204.27	38.24
26 05 33 13-1720	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	255.33	47.80
26 05 33 13-1721	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	319.10	59.75
26 05 33 13-1722 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-1643)</small>						
26 05 33 13-1723	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	41.36	6.69
26 05 33 13-1724	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	46.48	7.65
26 05 33 13-1725	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	49.17	8.60
26 05 33 13-1726	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	51.85	9.56
26 05 33 13-1727	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	58.10	11.95
26 05 33 13-1728	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	64.24	14.34
26 05 33 13-1729	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	81.87	19.12
26 05 33 13-1730	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	100.66	23.90
26 05 33 13-1731	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	123.69	31.07
26 05 33 13-1732	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	146.72	38.24
26 05 33 13-1733	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	183.45	47.80
26 05 33 13-1734	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	229.26	59.75
26 05 33 13-1735 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-1643)</small>						
26 05 33 13-1736	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	47.35	5.50
26 05 33 13-1737	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	53.15	7.65
26 05 33 13-1738	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	55.91	8.60
26 05 33 13-1739	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	58.51	9.56
26 05 33 13-1740	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	65.27	11.95
26 05 33 13-1741	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	77.99	14.34
26 05 33 13-1742	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	98.35	19.12
26 05 33 13-1743	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	120.40	23.90
26 05 33 13-1744	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	145.90	31.07
26 05 33 13-1745	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	171.39	38.24
26 05 33 13-1746	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	214.21	47.80
26 05 33 13-1747	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	267.80	59.75
26 05 33 13-1748 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-1643)</small>						
26 05 33 13-1749	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	93.49	23.90
26 05 33 13-1750	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	109.13	28.68
26 05 33 13-1751	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	121.49	33.46
26 05 33 13-1752	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	133.68	38.24
26 05 33 13-1753	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	146.50	43.01
26 05 33 13-1754	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	165.86	47.80
26 05 33 13-1755	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	193.06	54.96
26 05 33 13-1756	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	222.12	62.13
26 05 33 13-1757	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	254.36	71.70

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1758 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	292.57	83.65
26 05 33 13-1759 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	343.32	95.59
26 05 33 13-1760 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	399.27	107.54
26 05 33 13-1761 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-1643)</small>		
26 05 33 13-1762 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	107.19	23.90
26 05 33 13-1763 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	124.48	28.68
26 05 33 13-1764 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	136.93	33.46
26 05 33 13-1765 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	149.29	38.24
26 05 33 13-1766 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	162.23	43.01
26 05 33 13-1767 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	183.83	47.80
26 05 33 13-1768 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	214.63	54.96
26 05 33 13-1769 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	247.99	62.13
26 05 33 13-1770 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	283.49	71.70
26 05 33 13-1771 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	324.95	83.65
26 05 33 13-1772 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	383.89	95.59
26 05 33 13-1773 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	449.99	107.54
26 05 33 13-1774 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-1643)</small>		
26 05 33 13-1775 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	129.54	6.69
26 05 33 13-1776 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	144.44	7.65
26 05 33 13-1777 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	150.68	8.60
26 05 33 13-1778 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	157.08	9.56
26 05 33 13-1779 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	165.12	11.95
26 05 33 13-1780 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	183.97	14.34
26 05 33 13-1781 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	225.57	19.12
26 05 33 13-1782 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	272.96	23.90
26 05 33 13-1783 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	317.54	31.07
26 05 33 13-1784 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	362.12	38.24
26 05 33 13-1785 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	452.76	47.80
26 05 33 13-1786 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	563.36	59.75
26 05 33 13-1787 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-1643)</small>		
26 05 33 13-1788 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	131.02	23.90
26 05 33 13-1789 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	150.90	28.68
26 05 33 13-1790 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	181.49	33.46
26 05 33 13-1791 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	227.50	38.24
26 05 33 13-1792 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	288.37	43.01
26 05 33 13-1793 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	387.48	47.80
26 05 33 13-1794 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	559.12	54.96
26 05 33 13-1795 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	678.25	62.13
26 05 33 13-1796 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	822.34	71.70
26 05 33 13-1797 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	972.39	83.65
26 05 33 13-1798 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,145.65	95.59
26 05 33 13-1799 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,808.08	107.54
26 05 33 13-1800 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <small>(26 05 33 13-1643)</small>		
26 05 33 13-1801 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	110.89	19.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33 13-1802 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	129.00	21.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1803 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	174.45	23.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.93	
26 05 33 13-1804 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	213.39	28.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.51	
26 05 33 13-1805 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	271.80	35.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.89	
26 05 33 13-1806 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	377.43	43.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.26	
26 05 33 13-1807 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	631.51	50.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.64	
26 05 33 13-1808 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	818.13	57.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.02	
26 05 33 13-1809 EA 3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	985.40	66.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1810 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,152.68	76.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.36	
26 05 33 13-1811 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,362.12	86.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.53	
26 05 33 13-1812 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,546.27	95.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.70	
26 05 33 13-1813 Explosion Proof Conduit Fittings <small>(26 05 33 13-0058)</small> Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33 13-1814 Explosion Proof Malleable Iron Conduit Unions <small>(26 05 33 13-1813)</small>		
26 05 33 13-1815 EA 1/2" Explosion Proof Malleable Iron Conduit Union	52.82	11.26
26 05 33 13-1816 EA 3/4" Explosion Proof Malleable Iron Conduit Union	65.07	12.44
26 05 33 13-1817 EA 1" Explosion Proof Malleable Iron Conduit Union	103.12	16.59
26 05 33 13-1818 EA 1-1/4" Explosion Proof Malleable Iron Conduit Union	136.38	18.37
26 05 33 13-1819 EA 1-1/2" Explosion Proof Malleable Iron Conduit Union	171.60	22.51
26 05 33 13-1820 EA 2" Explosion Proof Malleable Iron Conduit Union	213.71	26.06
26 05 33 13-1821 EA 2-1/2" Explosion Proof Malleable Iron Conduit Union	325.18	37.27
26 05 33 13-1822 EA 3" Explosion Proof Malleable Iron Conduit Union	413.20	44.37
26 05 33 13-1823 EA 3-1/2" Explosion Proof Malleable Iron Conduit Union	693.10	53.25
26 05 33 13-1824 EA 4" Explosion Proof Malleable Iron Conduit Union	735.54	68.03
26 05 33 13-1825 Explosion Proof Malleable Iron Conduit Bodies <small>(26 05 33 13-1813)</small>		
26 05 33 13-1826 EA 1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	186.90	35.54
26 05 33 13-1827 EA 3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	210.68	40.29
26 05 33 13-1828 EA 1" Explosion Proof Malleable Iron Two Hub Conduit Body.....	246.66	44.43
26 05 33 13-1829 EA 1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	210.98	44.43
26 05 33 13-1830 EA 3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	251.37	53.32
26 05 33 13-1831 EA 1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	297.43	61.02
26 05 33 13-1832 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <small>(26 05 33 13-1813)</small> Note: Includes sealing gasket and lock nut.		
26 05 33 13-1833 EA 1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	154.58	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.21	
26 05 33 13-1834 EA 3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	158.02	33.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.88	
26 05 33 13-1835 EA 1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	172.49	36.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.10	
26 05 33 13-1836 EA 1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	221.66	44.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.32	
26 05 33 13-1837 EA 1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	282.91	52.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.10	
26 05 33 13-1838 EA 2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	363.50	59.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.43	
26 05 33 13-1839 EA 2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	517.65	88.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.56	
26 05 33 13-1840 EA 3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	654.25	111.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.42	
26 05 33 13-1841 EA 3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	923.55	122.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.85	
26 05 33 13-1842 EA 4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	1,191.36	133.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.83	
26 05 33 13-1843 Explosion Proof Flexible Conduit Couplings <small>(26 05 33 13-1813)</small>		
26 05 33 13-1844 EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	413.60	13.62
26 05 33 13-1845 EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	541.12	15.40
26 05 33 13-1846 Conduit Installed Below Grade <small>(26 05 33 13-0057)</small> Note: By direct burial in trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.		
26 05 33 13-1847 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial <small>(26 05 33 13-1846)</small>		
26 05 33 13-1848 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial <small>(26 05 33 13-1847)</small> Note: Includes field bend conduit up to 1".		
26 05 33 13-1849 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.79	
<i>For Schedule 60, Add</i>	0.42	
<i>For Schedule 80, Add</i>	0.70	
26 05 33 13-1850 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.39	
<i>For Schedule 60, Add</i>	0.51	
<i>For Schedule 80, Add</i>	0.84	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1851 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	6.28	
For Schedule 60, Add	0.67	
For Schedule 80, Add	1.08	
26 05 33 13-1852 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	7.18	
For Schedule 60, Add	0.84	
For Schedule 80, Add	1.32	
26 05 33 13-1853 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	7.96	
For Schedule 60, Add	0.97	
For Schedule 80, Add	1.52	
26 05 33 13-1854 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	9.17	
For Schedule 60, Add	1.22	
For Schedule 80, Add	1.86	
26 05 33 13-1855 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	11.73	
For Schedule 60, Add	1.80	
For Schedule 80, Add	2.69	
26 05 33 13-1856 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	13.19	
For Schedule 60, Add	2.10	
For Schedule 80, Add	3.12	
26 05 33 13-1857 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	15.48	
For Schedule 60, Add	2.62	
For Schedule 80, Add	3.85	
26 05 33 13-1858 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	16.70	
For Schedule 60, Add	2.86	
For Schedule 80, Add	4.20	
26 05 33 13-1859 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	21.63	
For Schedule 60, Add	4.03	
For Schedule 80, Add	5.85	
26 05 33 13-1860 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	26.67	
For Schedule 60, Add	5.23	
For Schedule 80, Add	7.54	
26 05 33 13-1861 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial <small>(26 05 33 13-1847)</small> See CSI section 26 05 33 13-2307 for conduit field bending.		
26 05 33 13-1862 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	31.33	
For Schedule 60, Add	1.86	
For Schedule 80, Add	3.50	
26 05 33 13-1863 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	37.59	
For Schedule 60, Add	2.23	
For Schedule 80, Add	4.20	
26 05 33 13-1864 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	44.56	
For Schedule 60, Add	2.78	
For Schedule 80, Add	5.14	
26 05 33 13-1865 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	51.76	
For Schedule 60, Add	3.38	
For Schedule 80, Add	6.17	
26 05 33 13-1866 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	59.14	
For Schedule 60, Add	4.03	
For Schedule 80, Add	7.26	
26 05 33 13-1867 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	67.17	
For Schedule 60, Add	4.84	
For Schedule 80, Add	8.57	
26 05 33 13-1868 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	78.86	
For Schedule 60, Add	6.57	
For Schedule 80, Add	11.17	
26 05 33 13-1869 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	93.20	
For Schedule 60, Add	8.96	
For Schedule 80, Add	14.70	
26 05 33 13-1870 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	113.56	
For Schedule 60, Add	11.66	
For Schedule 80, Add	18.83	
26 05 33 13-1871 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	134.07	
For Schedule 60, Add	14.40	
For Schedule 80, Add	23.03	
26 05 33 13-1872 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	175.32	
For Schedule 60, Add	22.32	
For Schedule 80, Add	34.48	
26 05 33 13-1873 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	205.91	
For Schedule 60, Add	27.58	
For Schedule 80, Add	42.20	
26 05 33 13-1874 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial <small>(26 05 33 13-1847)</small> See CSI section 26 05 33 13-2307 for conduit field bending.		
26 05 33 13-1875 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	31.33	
For Schedule 60, Add	1.86	
For Schedule 80, Add	3.50	
26 05 33 13-1876 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	37.49	
For Schedule 60, Add	2.20	
For Schedule 80, Add	4.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1877 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	44.42	
<i>For Schedule 60, Add</i>	2.74	
<i>For Schedule 80, Add</i>	5.09	
26 05 33 13-1878 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	51.33	
<i>For Schedule 60, Add</i>	3.27	
<i>For Schedule 80, Add</i>	6.02	
26 05 33 13-1879 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	58.18	
<i>For Schedule 60, Add</i>	3.79	
<i>For Schedule 80, Add</i>	6.92	
26 05 33 13-1880 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	66.65	
<i>For Schedule 60, Add</i>	4.71	
<i>For Schedule 80, Add</i>	8.39	
26 05 33 13-1881 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	77.90	
<i>For Schedule 60, Add</i>	6.33	
<i>For Schedule 80, Add</i>	10.84	
26 05 33 13-1882 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	91.99	
<i>For Schedule 60, Add</i>	8.66	
<i>For Schedule 80, Add</i>	14.27	
26 05 33 13-1883 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	110.15	
<i>For Schedule 60, Add</i>	10.81	
<i>For Schedule 80, Add</i>	17.64	
26 05 33 13-1884 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	131.15	
<i>For Schedule 60, Add</i>	13.67	
<i>For Schedule 80, Add</i>	22.01	
26 05 33 13-1885 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	171.53	
<i>For Schedule 60, Add</i>	21.37	
<i>For Schedule 80, Add</i>	33.15	
26 05 33 13-1886 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	194.61	
<i>For Schedule 60, Add</i>	24.75	
<i>For Schedule 80, Add</i>	38.24	
26 05 33 13-1887 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial <small>(26 05 33 13-1847)</small>		
26 05 33 13-1888 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	17.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.02	
26 05 33 13-1889 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	20.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.74	
26 05 33 13-1890 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	22.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 33 13-1891 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	25.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.17	
26 05 33 13-1892 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	28.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.89	
26 05 33 13-1893 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	31.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-1894 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	37.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-1895 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	42.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.75	
26 05 33 13-1896 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	50.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.55	
26 05 33 13-1897 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	56.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34	
26 05 33 13-1898 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	71.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.13	
26 05 33 13-1899 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	81.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.93	
26 05 33 13-1900 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial <small>(26 05 33 13-1847)</small>		
26 05 33 13-1901 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	19.85	
26 05 33 13-1902 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	22.63	
26 05 33 13-1903 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	25.44	
26 05 33 13-1904 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	32.58	
26 05 33 13-1905 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	36.04	
26 05 33 13-1906 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	40.28	
26 05 33 13-1907 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	45.11	
26 05 33 13-1908 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	51.11	
26 05 33 13-1909 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	60.51	
26 05 33 13-1910 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	66.87	
26 05 33 13-1911 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	83.93	
26 05 33 13-1912 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	94.33	
26 05 33 13-1913 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial <small>(26 05 33 13-1847)</small>		
26 05 33 13-1914 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	17.29	
26 05 33 13-1915 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	20.03	
26 05 33 13-1916 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	22.61	
26 05 33 13-1917 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	25.36	
26 05 33 13-1918 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	27.94	
26 05 33 13-1919 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	31.04	
26 05 33 13-1920 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	36.56	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1921 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	41.69	
26 05 33 13-1922 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	49.24	
26 05 33 13-1923 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	55.57	
26 05 33 13-1924 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	69.49	
26 05 33 13-1925 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	78.74	
26 05 33 13-1926 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1926)</small>		
Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1927 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1927)</small>		
Note: Includes field bending for conduit up to 1".		
26 05 33 13-1928 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	12.96	2.84
For >250 To 500, Deduct	-0.46	
For >500 To 1,000, Deduct	-0.79	
For >1,000, Deduct	-1.11	
26 05 33 13-1929 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	14.50	3.52
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-0.88	
For >1,000, Deduct	-1.25	
26 05 33 13-1930 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	17.73	3.92
For >250 To 500, Deduct	-0.65	
For >500 To 1,000, Deduct	-1.09	
For >1,000, Deduct	-1.54	
26 05 33 13-1931 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	21.30	5.27
For >250 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-1.33	
For >1,000, Deduct	-1.86	
26 05 33 13-1932 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	24.92	5.94
For >250 To 500, Deduct	-0.94	
For >500 To 1,000, Deduct	-1.56	
For >1,000, Deduct	-2.19	
26 05 33 13-1933 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	31.48	6.48
For >250 To 500, Deduct	-1.20	
For >500 To 1,000, Deduct	-1.99	
For >1,000, Deduct	-2.78	
26 05 33 13-1934 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	45.47	9.73
For >250 To 500, Deduct	-1.77	
For >500 To 1,000, Deduct	-2.90	
For >1,000, Deduct	-4.04	
26 05 33 13-1935 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	58.81	12.17
For >250 To 500, Deduct	-2.26	
For >500 To 1,000, Deduct	-3.74	
For >1,000, Deduct	-5.21	
26 05 33 13-1936 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	72.65	12.84
For >250 To 500, Deduct	-2.79	
For >500 To 1,000, Deduct	-4.60	
For >1,000, Deduct	-6.42	
26 05 33 13-1937 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	86.36	14.19
For >250 To 500, Deduct	-3.30	
For >500 To 1,000, Deduct	-5.46	
For >1,000, Deduct	-7.62	
26 05 33 13-1938 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	132.57	19.59
For >250 To 500, Deduct	-5.34	
For >500 To 1,000, Deduct	-8.66	
For >1,000, Deduct	-11.97	
26 05 33 13-1939 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	176.16	25.67
For >250 To 500, Deduct	-7.19	
For >500 To 1,000, Deduct	-11.59	
For >1,000, Deduct	-15.99	
26 05 33 13-1940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial <small>(26 05 33 13-1926)</small>		
26 05 33 13-1941 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	13.93	4.06
26 05 33 13-1942 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	16.92	5.40
26 05 33 13-1943 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	21.44	6.75
26 05 33 13-1944 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	24.10	7.44
26 05 33 13-1945 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	28.55	8.79
26 05 33 13-1946 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	36.35	10.13
26 05 33 13-1947 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	64.11	12.17
26 05 33 13-1948 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	82.11	16.90
26 05 33 13-1949 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	101.19	19.59
26 05 33 13-1950 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	126.54	27.03
26 05 33 13-1951 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	310.52	37.17
26 05 33 13-1952 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	305.75	20.94



	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1953			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-1926)</small>		
			Note: 90, 45, or 30 degree.		
26 05 33 13-1954	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	54.19	16.90
26 05 33 13-1955	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	63.09	20.94
26 05 33 13-1956	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	75.66	25.67
26 05 33 13-1957	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	89.33	29.73
26 05 33 13-1958	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	104.27	33.78
26 05 33 13-1959	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	125.54	37.17
26 05 33 13-1960	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	189.74	46.63
26 05 33 13-1961	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	281.24	63.51
26 05 33 13-1962	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	345.59	71.63
26 05 33 13-1963	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	400.40	93.24
26 05 33 13-1964	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	819.53	152.04
26 05 33 13-1965	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,285.32	228.39
26 05 33 13-1966			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1926)</small>		
26 05 33 13-1967	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	123.77	25.67
26 05 33 13-1968	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	139.56	29.73
26 05 33 13-1969	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	159.27	33.78
26 05 33 13-1970	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	189.00	37.17
26 05 33 13-1971	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	261.57	46.63
26 05 33 13-1972			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1926)</small>		
26 05 33 13-1973	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	136.79	25.67
26 05 33 13-1974	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	161.06	29.73
26 05 33 13-1975	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	174.68	33.78
26 05 33 13-1976	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	222.61	37.17
26 05 33 13-1977	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	293.98	46.63
26 05 33 13-1978	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	377.37	63.51
26 05 33 13-1979			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1926)</small>		
26 05 33 13-1980	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	152.34	25.67
26 05 33 13-1981	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	172.25	29.73
26 05 33 13-1982	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	194.46	33.78
26 05 33 13-1983	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	233.76	37.17
26 05 33 13-1984	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	331.23	46.63
26 05 33 13-1985	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	421.09	63.51
26 05 33 13-1986	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	528.73	71.63
26 05 33 13-1987	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	599.91	93.24
26 05 33 13-1988			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1926)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1989 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	179.22	25.67
26 05 33 13-1990 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	198.54	29.73
26 05 33 13-1991 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	224.30	33.78
26 05 33 13-1992 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	276.74	37.17
26 05 33 13-1993 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	397.89	46.63
26 05 33 13-1994 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	495.18	63.51
26 05 33 13-1995 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	573.96	71.63
26 05 33 13-1996 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	682.96	93.24
26 05 33 13-1997 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1926)</small>		
26 05 33 13-1998 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	200.13	25.67
26 05 33 13-1999 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	223.00	29.73
26 05 33 13-2000 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	253.67	33.78
26 05 33 13-2001 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	314.14	37.17
26 05 33 13-2002 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	434.26	46.63
26 05 33 13-2003 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	554.44	63.51
26 05 33 13-2004 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	683.95	71.63
26 05 33 13-2005 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	759.19	93.24
26 05 33 13-2006 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	1,264.57	152.04
26 05 33 13-2007 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1926)</small>		
26 05 33 13-2008 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	227.47	25.67
26 05 33 13-2009 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	252.56	29.73
26 05 33 13-2010 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	285.87	33.78
26 05 33 13-2011 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	355.63	37.17
26 05 33 13-2012 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	494.87	46.63
26 05 33 13-2013 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	629.95	63.51
26 05 33 13-2014 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	739.06	71.63
26 05 33 13-2015 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	857.60	93.24
26 05 33 13-2016 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,333.54	152.04
26 05 33 13-2017 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,830.32	228.39
26 05 33 13-2018 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1926)</small>		
26 05 33 13-2019 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	265.54	25.67
26 05 33 13-2020 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	278.92	29.73
26 05 33 13-2021 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	328.96	33.78
26 05 33 13-2022 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	413.38	37.17
26 05 33 13-2023 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	576.59	46.63
26 05 33 13-2024 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	731.73	63.51
26 05 33 13-2025 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	892.28	71.63
26 05 33 13-2026 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,049.06	93.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2027 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,558.52	152.04
26 05 33 13-2028 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,933.59	228.39
26 05 33 13-2029 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1926)</small>		
26 05 33 13-2030 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	274.71	25.67
26 05 33 13-2031 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	323.49	29.73
26 05 33 13-2032 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	366.23	33.78
26 05 33 13-2033 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	430.76	37.17
26 05 33 13-2034 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	597.00	46.63
26 05 33 13-2035 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	763.04	63.51
26 05 33 13-2036 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	975.73	71.63
26 05 33 13-2037 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,092.48	93.24
26 05 33 13-2038 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,618.96	152.04
26 05 33 13-2039 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,986.06	228.39
26 05 33 13-2040 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1926)</small>		
26 05 33 13-2041 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	94.62	16.90
26 05 33 13-2042 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	103.85	20.94
26 05 33 13-2043 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	134.41	25.67
26 05 33 13-2044 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	193.12	29.73
26 05 33 13-2045 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	228.78	33.78
26 05 33 13-2046 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	289.16	37.17
26 05 33 13-2047 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	384.10	46.63
26 05 33 13-2048 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	494.23	46.63
26 05 33 13-2049 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	640.65	71.63
26 05 33 13-2050 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	825.17	93.24
26 05 33 13-2051 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,497.82	152.04
26 05 33 13-2052 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,878.52	228.39
26 05 33 13-2053 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1926)</small>		
26 05 33 13-2054 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	96.67	16.90
26 05 33 13-2055 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	111.67	20.94
26 05 33 13-2056 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	138.58	25.67
26 05 33 13-2057 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	200.78	29.73
26 05 33 13-2058 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	239.41	33.78
26 05 33 13-2059 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	312.12	37.17
26 05 33 13-2060 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	433.22	46.63
26 05 33 13-2061 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	544.18	46.63
26 05 33 13-2062 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	730.96	71.63
26 05 33 13-2063 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	915.14	93.24
26 05 33 13-2064 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,662.76	152.04

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2065	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	2,144.84	228.39
26 05 33 13-2066		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-1926)</small>		
26 05 33 13-2067	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.46	8.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.86	
26 05 33 13-2068	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.86	10.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-2069	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.22	12.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-2070	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.55	14.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.92	
26 05 33 13-2071	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.35	16.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 33 13-2072	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.04	8.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33 13-2073	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.21	10.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-2074	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.60	12.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-2075	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.07	14.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.92	
26 05 33 13-2076	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.06	16.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 33 13-2077	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.30	18.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-2078	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.21	8.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33 13-2079	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.38	10.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-2080	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.91	12.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-2081	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.40	14.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.92	
26 05 33 13-2082	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.39	16.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 33 13-2083	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.15	18.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-2084	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.45	8.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33 13-2085	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.62	10.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-2086	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.31	12.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-2087	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.77	14.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.92	
26 05 33 13-2088	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.90	16.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 33 13-2089	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.79	18.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-2090	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	95.07	22.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33 13-2091	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	123.62	31.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.05	
26 05 33 13-2092	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.61	8.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2093 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.92	10.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-2094 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.64	12.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-2095 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.13	14.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.92	
26 05 33 13-2096 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.41	16.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 33 13-2097 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.43	18.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-2098 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	97.41	22.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33 13-2099 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.64	31.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.05	
26 05 33 13-2100 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	152.85	35.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.49	
26 05 33 13-2101 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	180.15	46.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33 13-2102 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.92	8.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33 13-2103 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.25	10.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-2104 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.00	12.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-2105 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.77	14.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.92	
26 05 33 13-2106 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.07	16.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 33 13-2107 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	72.87	18.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-2108 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	106.70	22.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33 13-2109 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	136.16	31.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.05	
26 05 33 13-2110 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	154.45	35.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.49	
26 05 33 13-2111 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	184.44	46.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33 13-2112 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	270.24	64.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.51	
26 05 33 13-2113 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.51	8.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33 13-2114 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.84	10.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-2115 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.63	12.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-2116 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.95	14.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.92	
26 05 33 13-2117 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.48	16.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 33 13-2118 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	74.31	18.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-2119 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	116.12	22.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33 13-2120 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	146.15	31.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.05	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2121	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	163.46	35.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.49	
26 05 33 13-2122	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	199.62	46.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33 13-2123	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	292.94	64.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.51	
26 05 33 13-2124	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.43	8.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33 13-2125	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.74	10.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-2126	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.05	12.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-2127	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.26	14.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.92	
26 05 33 13-2128	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.36	16.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 33 13-2129	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	81.33	18.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-2130	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	127.72	22.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33 13-2131	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	159.83	31.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.05	
26 05 33 13-2132	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	185.99	35.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.49	
26 05 33 13-2133	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	222.42	46.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33 13-2134	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	308.50	64.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.51	
26 05 33 13-2135	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.39	8.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33 13-2136	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.68	10.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-2137	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.44	12.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-2138	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.50	14.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.92	
26 05 33 13-2139	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	75.20	16.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 33 13-2140	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.66	18.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-2141	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	139.98	22.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33 13-2142	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	177.34	31.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.05	
26 05 33 13-2143	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	209.66	35.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.49	
26 05 33 13-2144	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	262.30	46.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97	
26 05 33 13-2145	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	339.54	64.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.51	
26 05 33 13-2146	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.38	8.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.27	
26 05 33 13-2147	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.79	10.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-2148	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.97	12.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2149 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.48	14.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.92	
26 05 33 13-2150 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	83.47	16.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 05 33 13-2151 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	99.95	18.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.35	
26 05 33 13-2152 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	156.34	22.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.79	
26 05 33 13-2153 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	203.60	31.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.05	
26 05 33 13-2154 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	224.18	35.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.49	
26 05 33 13-2155 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	274.53	46.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.97	
26 05 33 13-2156 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	343.97	64.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.51	
26 05 33 13-2157 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1846)</small> Note: Direct burial or encased application.		
26 05 33 13-2158 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-2157)</small>		
26 05 33 13-2159 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.58	1.55
For Work In Restricted Working Space, Add	1.17	
26 05 33 13-2160 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.61	1.67
For Work In Restricted Working Space, Add	1.26	
26 05 33 13-2161 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.27	1.79
For Work In Restricted Working Space, Add	1.34	
26 05 33 13-2162 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.94	1.91
For Work In Restricted Working Space, Add	1.43	
26 05 33 13-2163 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	12.82	2.03
For Work In Restricted Working Space, Add	1.52	
26 05 33 13-2164 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.33	2.15
For Work In Restricted Working Space, Add	1.61	
26 05 33 13-2165 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	15.20	2.27
For Work In Restricted Working Space, Add	1.70	
26 05 33 13-2166 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	17.41	2.39
For Work In Restricted Working Space, Add	1.79	
26 05 33 13-2167 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	19.13	2.51
For Work In Restricted Working Space, Add	1.88	
26 05 33 13-2168 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	20.85	2.62
For Work In Restricted Working Space, Add	1.97	
26 05 33 13-2169 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	24.71	2.74
For Work In Restricted Working Space, Add	2.06	
26 05 33 13-2170 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	29.49	2.86
For Work In Restricted Working Space, Add	2.15	
26 05 33 13-2171 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-2157)</small>		
26 05 33 13-2172 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	135.30	11.95
For Work In Restricted Working Space, Add	8.96	
For 24" Radius, Add	9.40	
For 36" Radius, Add	13.53	
For 48" Radius, Add	17.66	
26 05 33 13-2173 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	153.87	14.34
For Work In Restricted Working Space, Add	10.75	
For 24" Radius, Add	10.64	
For 36" Radius, Add	15.39	
For 48" Radius, Add	20.13	
26 05 33 13-2174 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	161.05	16.73
For Work In Restricted Working Space, Add	12.55	
For 24" Radius, Add	11.03	
For 36" Radius, Add	16.11	
For 48" Radius, Add	21.18	
26 05 33 13-2175 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	168.19	19.12
For Work In Restricted Working Space, Add	14.34	
For 24" Radius, Add	11.42	
For 36" Radius, Add	16.82	
For 48" Radius, Add	22.22	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2176	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	175.36	21.51
			<i>For Work In Restricted Working Space, Add</i>	16.13	
			<i>For 24" Radius, Add</i>	11.81	
			<i>For 36" Radius, Add</i>	17.54	
			<i>For 48" Radius, Add</i>	23.26	
26 05 33	13-2177	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	198.11	23.90
			<i>For Work In Restricted Working Space, Add</i>	17.93	
			<i>For 24" Radius, Add</i>	13.36	
			<i>For 36" Radius, Add</i>	19.81	
			<i>For 48" Radius, Add</i>	26.26	
26 05 33	13-2178	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	231.32	26.29
			<i>For Work In Restricted Working Space, Add</i>	19.72	
			<i>For 24" Radius, Add</i>	15.71	
			<i>For 36" Radius, Add</i>	23.13	
			<i>For 48" Radius, Add</i>	30.56	
26 05 33	13-2179	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	270.42	28.68
			<i>For Work In Restricted Working Space, Add</i>	21.51	
			<i>For 24" Radius, Add</i>	18.49	
			<i>For 36" Radius, Add</i>	27.04	
			<i>For 48" Radius, Add</i>	35.60	
26 05 33	13-2180	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	307.21	33.46
			<i>For Work In Restricted Working Space, Add</i>	25.10	
			<i>For 24" Radius, Add</i>	20.95	
			<i>For 36" Radius, Add</i>	30.72	
			<i>For 48" Radius, Add</i>	40.49	
26 05 33	13-2181	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	343.99	43.01
			<i>For Work In Restricted Working Space, Add</i>	28.68	
			<i>For 24" Radius, Add</i>	23.41	
			<i>For 36" Radius, Add</i>	34.40	
			<i>For 48" Radius, Add</i>	45.39	
26 05 33	13-2182	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	418.04	43.01
			<i>For Work In Restricted Working Space, Add</i>	32.26	
			<i>For 24" Radius, Add</i>	28.66	
			<i>For 36" Radius, Add</i>	41.80	
			<i>For 48" Radius, Add</i>	54.94	
26 05 33	13-2183	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	507.61	47.80
			<i>For Work In Restricted Working Space, Add</i>	35.85	
			<i>For 24" Radius, Add</i>	35.08	
			<i>For 36" Radius, Add</i>	50.76	
			<i>For 48" Radius, Add</i>	66.44	
26 05 33 13-2184 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-2157)</small>					
26 05 33	13-2185	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	60.38	6.69
			<i>For Work In Restricted Working Space, Add</i>	5.02	
26 05 33	13-2186	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	67.76	7.65
			<i>For Work In Restricted Working Space, Add</i>	5.74	
26 05 33	13-2187	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	70.65	8.60
			<i>For Work In Restricted Working Space, Add</i>	6.45	
26 05 33	13-2188	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	73.45	9.56
			<i>For Work In Restricted Working Space, Add</i>	7.17	
26 05 33	13-2189	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	76.84	10.52
			<i>For Work In Restricted Working Space, Add</i>	7.89	
26 05 33	13-2190	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	88.87	11.47
			<i>For Work In Restricted Working Space, Add</i>	8.60	
26 05 33	13-2191	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	104.71	12.91
			<i>For Work In Restricted Working Space, Add</i>	9.68	
26 05 33	13-2192	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	122.78	14.34
			<i>For Work In Restricted Working Space, Add</i>	10.75	
26 05 33	13-2193	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	139.63	16.73
			<i>For Work In Restricted Working Space, Add</i>	12.55	
26 05 33	13-2194	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	156.48	19.12
			<i>For Work In Restricted Working Space, Add</i>	14.34	
26 05 33	13-2195	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	189.61	21.51
			<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33	13-2196	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	229.49	23.90
			<i>For Work In Restricted Working Space, Add</i>	17.93	
26 05 33 13-2197 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-2157)</small>					
26 05 33	13-2198	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	41.36	6.69
			<i>For Work In Restricted Working Space, Add</i>	5.02	
26 05 33	13-2199	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	46.48	7.65
			<i>For Work In Restricted Working Space, Add</i>	5.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2200 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	49.17	8.60
<i>For Work In Restricted Working Space, Add</i>	6.45	
26 05 33 13-2201 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	51.85	9.56
<i>For Work In Restricted Working Space, Add</i>	7.17	
26 05 33 13-2202 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	54.52	10.52
<i>For Work In Restricted Working Space, Add</i>	7.99	
26 05 33 13-2203 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	57.08	11.47
<i>For Work In Restricted Working Space, Add</i>	8.60	
26 05 33 13-2204 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	66.33	12.91
<i>For Work In Restricted Working Space, Add</i>	9.68	
26 05 33 13-2205 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	76.75	14.34
<i>For Work In Restricted Working Space, Add</i>	10.75	
26 05 33 13-2206 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	87.84	16.73
<i>For Work In Restricted Working Space, Add</i>	12.55	
26 05 33 13-2207 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	98.93	19.12
<i>For Work In Restricted Working Space, Add</i>	14.34	
26 05 33 13-2208 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	117.73	21.51
<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-2209 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	139.65	23.90
<i>For Work In Restricted Working Space, Add</i>	17.93	

26 05 33 13-2210 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-2157)

26 05 33 13-2211 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	40.18	3.83
<i>For Work In Restricted Working Space, Add</i>	2.87	
26 05 33 13-2212 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	44.79	4.31
<i>For Work In Restricted Working Space, Add</i>	3.23	
26 05 33 13-2213 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	46.35	4.78
<i>For Work In Restricted Working Space, Add</i>	3.59	
26 05 33 13-2214 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	47.75	5.26
<i>For Work In Restricted Working Space, Add</i>	3.94	
26 05 33 13-2215 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	49.74	5.74
<i>For Work In Restricted Working Space, Add</i>	4.30	
26 05 33 13-2216 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	58.88	6.69
<i>For Work In Restricted Working Space, Add</i>	5.02	
26 05 33 13-2217 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	70.86	8.12
<i>For Work In Restricted Working Space, Add</i>	6.09	
26 05 33 13-2218 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	84.55	9.56
<i>For Work In Restricted Working Space, Add</i>	7.17	
26 05 33 13-2219 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	98.10	11.95
<i>For Work In Restricted Working Space, Add</i>	8.96	
26 05 33 13-2220 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	111.64	14.34
<i>For Work In Restricted Working Space, Add</i>	10.75	
26 05 33 13-2221 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	136.54	16.73
<i>For Work In Restricted Working Space, Add</i>	12.55	
26 05 33 13-2222 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	166.24	19.12
<i>For Work In Restricted Working Space, Add</i>	14.34	

26 05 33 13-2223 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints (26 05 33 13-2157)

26 05 33 13-2224 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	93.49	23.90
<i>For Work In Restricted Working Space, Add</i>	17.93	
26 05 33 13-2225 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	109.13	28.68
<i>For Work In Restricted Working Space, Add</i>	21.51	
26 05 33 13-2226 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	121.49	33.46
<i>For Work In Restricted Working Space, Add</i>	25.10	
26 05 33 13-2227 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	133.68	38.24
<i>For Work In Restricted Working Space, Add</i>	28.68	
26 05 33 13-2228 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	140.53	40.63
<i>For Work In Restricted Working Space, Add</i>	30.47	
26 05 33 13-2229 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	153.91	43.01
<i>For Work In Restricted Working Space, Add</i>	32.26	
26 05 33 13-2230 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	169.16	45.41
<i>For Work In Restricted Working Space, Add</i>	34.06	
26 05 33 13-2231 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	186.27	47.80
<i>For Work In Restricted Working Space, Add</i>	35.85	
26 05 33 13-2232 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	200.59	50.19
<i>For Work In Restricted Working Space, Add</i>	37.64	
26 05 33 13-2233 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	214.91	52.58
<i>For Work In Restricted Working Space, Add</i>	39.44	
26 05 33 13-2234 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	241.75	54.96
<i>For Work In Restricted Working Space, Add</i>	41.23	
26 05 33 13-2235 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	273.81	57.36
<i>For Work In Restricted Working Space, Add</i>	43.02	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2236			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-2157)</small>		
26 05 33 13-2237	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	107.19	23.90
			<i>For Work In Restricted Working Space, Add</i>	17.93	
26 05 33 13-2238	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	124.48	28.68
			<i>For Work In Restricted Working Space, Add</i>	21.51	
26 05 33 13-2239	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	136.93	33.46
			<i>For Work In Restricted Working Space, Add</i>	25.10	
26 05 33 13-2240	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	149.29	38.24
			<i>For Work In Restricted Working Space, Add</i>	28.68	
26 05 33 13-2241	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	156.26	40.63
			<i>For Work In Restricted Working Space, Add</i>	30.47	
26 05 33 13-2242	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	171.88	43.01
			<i>For Work In Restricted Working Space, Add</i>	32.26	
26 05 33 13-2243	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	190.73	45.41
			<i>For Work In Restricted Working Space, Add</i>	34.06	
26 05 33 13-2244	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	212.14	47.80
			<i>For Work In Restricted Working Space, Add</i>	35.85	
26 05 33 13-2245	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	229.72	50.19
			<i>For Work In Restricted Working Space, Add</i>	37.64	
26 05 33 13-2246	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	247.29	52.58
			<i>For Work In Restricted Working Space, Add</i>	39.44	
26 05 33 13-2247	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	282.32	54.96
			<i>For Work In Restricted Working Space, Add</i>	41.23	
26 05 33 13-2248	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	324.53	57.36
			<i>For Work In Restricted Working Space, Add</i>	43.02	
26 05 33 13-2249			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-2157)</small>		
26 05 33 13-2250	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	129.54	6.69
			<i>For Work In Restricted Working Space, Add</i>	5.02	
26 05 33 13-2251	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	144.44	7.65
			<i>For Work In Restricted Working Space, Add</i>	5.74	
26 05 33 13-2252	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	150.68	8.60
			<i>For Work In Restricted Working Space, Add</i>	6.45	
26 05 33 13-2253	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	157.08	9.56
			<i>For Work In Restricted Working Space, Add</i>	7.17	
26 05 33 13-2254	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	161.54	10.52
			<i>For Work In Restricted Working Space, Add</i>	7.89	
26 05 33 13-2255	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	176.81	11.47
			<i>For Work In Restricted Working Space, Add</i>	8.60	
26 05 33 13-2256	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	210.03	12.91
			<i>For Work In Restricted Working Space, Add</i>	9.68	
26 05 33 13-2257	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	249.05	14.34
			<i>For Work In Restricted Working Space, Add</i>	10.75	
26 05 33 13-2258	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	281.69	16.73
			<i>For Work In Restricted Working Space, Add</i>	12.55	
26 05 33 13-2259	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	314.33	19.12
			<i>For Work In Restricted Working Space, Add</i>	14.34	
26 05 33 13-2260	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	387.04	21.51
			<i>For Work In Restricted Working Space, Add</i>	16.13	
26 05 33 13-2261	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	473.75	23.90
			<i>For Work In Restricted Working Space, Add</i>	17.93	
26 05 33 13-2262			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-2157)</small>		
26 05 33 13-2263	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	131.02	23.90
			<i>For Work In Restricted Working Space, Add</i>	17.93	
26 05 33 13-2264	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	150.90	28.68
			<i>For Work In Restricted Working Space, Add</i>	21.51	
26 05 33 13-2265	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	181.49	33.46
			<i>For Work In Restricted Working Space, Add</i>	25.10	
26 05 33 13-2266	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	227.50	38.24
			<i>For Work In Restricted Working Space, Add</i>	28.68	
26 05 33 13-2267	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	282.40	40.63
			<i>For Work In Restricted Working Space, Add</i>	30.47	
26 05 33 13-2268	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	375.53	43.01
			<i>For Work In Restricted Working Space, Add</i>	32.26	
26 05 33 13-2269	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	535.22	45.41
			<i>For Work In Restricted Working Space, Add</i>	34.06	
26 05 33 13-2270	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	642.40	47.80
			<i>For Work In Restricted Working Space, Add</i>	35.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2271 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	768.57	50.19
<i>For Work In Restricted Working Space, Add</i>	37.64	
26 05 33 13-2272 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	894.73	52.58
<i>For Work In Restricted Working Space, Add</i>	39.44	
26 05 33 13-2273 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,044.08	54.96
<i>For Work In Restricted Working Space, Add</i>	41.23	
26 05 33 13-2274 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,682.62	57.36
<i>For Work In Restricted Working Space, Add</i>	43.02	
26 05 33 13-2275 Spacers <small>(26 05 33 13-1846)</small>		
<small>Note: For concrete encasement applications. See CSI section 26 05 33 13-1846 for conduit.</small>		
26 05 33 13-2276 EA 1" Base Spacers, Average 4" Wide, Direct Burial	12.70	
26 05 33 13-2277 EA 1" Intermediate Spacers, Average 4" Wide, Direct Burial	13.64	
26 05 33 13-2278 EA 1-1/4" Base Spacer, Average 4" Wide, Direct Burial	15.11	
26 05 33 13-2279 EA 1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	16.24	
26 05 33 13-2280 EA 1-1/2" Base Spacer, Average 4" Wide, Direct Burial	15.25	
26 05 33 13-2281 EA 1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	16.34	
26 05 33 13-2282 EA 2" Base Spacer, Average 4" Wide, Direct Burial	18.91	
26 05 33 13-2283 EA 2" Intermediate Spacers, Average 4" Wide, Direct Burial	17.55	
26 05 33 13-2284 EA 2-1/2" Base Spacer, Average 4" Wide, Direct Burial	20.89	
26 05 33 13-2285 EA 2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	20.21	
26 05 33 13-2286 EA 3" Base Spacer, Average 4" Wide, Direct Burial	23.89	
26 05 33 13-2287 EA 3" Intermediate Spacers, Average 4" Wide, Direct Burial	22.83	
26 05 33 13-2288 EA 3-1/2" Base Spacer, Average 4" Wide, Direct Burial	25.89	
26 05 33 13-2289 EA 3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	24.76	
26 05 33 13-2290 EA 4" Base Spacer, Average 4" Wide, Direct Burial	26.69	
26 05 33 13-2291 EA 4" Intermediate Spacers, Average 4" Wide, Direct Burial	25.46	
26 05 33 13-2292 EA 5" Base Spacer, Average 4" Wide, Direct Burial	29.51	
26 05 33 13-2293 EA 5" Intermediate Spacers, Average 4" Wide, Direct Burial	28.05	
26 05 33 13-2294 EA 6" Base Spacer, Average 4" Wide, Direct Burial	33.34	
26 05 33 13-2295 EA 6" Intermediate Spacers, Average 4" Wide, Direct Burial	32.12	
26 05 33 13-2296 Conduit Field Bending <small>(26 05 33 13-0057)</small>		
26 05 33 13-2297 Metallic Conduit Field Bending <small>(26 05 33 13-2296)</small>		
<small>Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.</small>		
26 05 33 13-2298 EA 1-1/4" Metallic Conduit Field Bending	22.68	
26 05 33 13-2299 EA 1-1/2" Metallic Conduit Field Bending	30.25	
26 05 33 13-2300 EA 2" Metallic Conduit Field Bending	37.80	
26 05 33 13-2301 EA 2-1/2" Metallic Conduit Field Bending	52.92	
26 05 33 13-2302 EA 3" Metallic Conduit Field Bending	68.05	
26 05 33 13-2303 EA 3-1/2" Metallic Conduit Field Bending	83.17	
26 05 33 13-2304 EA 4" Metallic Conduit Field Bending	98.28	
26 05 33 13-2305 EA 5" Metallic Conduit Field Bending	120.97	
26 05 33 13-2306 EA 6" Metallic Conduit Field Bending	143.65	
26 05 33 13-2307 Plastic Conduit Field Bending <small>(26 05 33 13-2296)</small>		
<small>Note: For PVC conduits.</small>		
26 05 33 13-2308 EA 1" Plastic Conduit Field Bending	34.78	
26 05 33 13-2309 EA 1-1/4" Plastic Conduit Field Bending	37.80	
26 05 33 13-2310 EA 1-1/2" Plastic Conduit Field Bending	45.36	
26 05 33 13-2311 EA 2" Plastic Conduit Field Bending	60.48	
26 05 33 13-2312 EA 2-1/2" Plastic Conduit Field Bending	75.60	
26 05 33 13-2313 EA 3" Plastic Conduit Field Bending	90.73	
26 05 33 13-2314 EA 3-1/2" Plastic Conduit Field Bending	105.85	
26 05 33 13-2315 EA 4" Plastic Conduit Field Bending	120.97	
26 05 33 13-2316 EA 5" Plastic Conduit Field Bending	136.08	
26 05 33 13-2317 EA 6" Plastic Conduit Field Bending	151.21	
26 05 33 13-2318 Cut And Thread Existing In-Place Threaded Conduit <small>(26 05 33 13-0057)</small>		
<small>Note: For use when connecting conduit to an existing in-place system.</small>		
26 05 33 13-2319 EA 1/2", Cut And Thread Existing In-Place Threaded Conduit	44.43	
<i>For Work In Restricted Working Space, Add</i>	13.33	
26 05 33 13-2320 EA 3/4", Cut And Thread Existing In-Place Threaded Conduit	48.87	
<i>For Work In Restricted Working Space, Add</i>	14.66	
26 05 33 13-2321 EA 1", Cut And Thread Existing In-Place Threaded Conduit	53.32	
<i>For Work In Restricted Working Space, Add</i>	16.00	
26 05 33 13-2322 EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit	57.76	
<i>For Work In Restricted Working Space, Add</i>	17.33	
26 05 33 13-2323 EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit	60.72	
<i>For Work In Restricted Working Space, Add</i>	18.22	
26 05 33 13-2324 EA 2", Cut And Thread Existing In-Place Threaded Conduit	63.68	
<i>For Work In Restricted Working Space, Add</i>	19.10	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2325 EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	66.65	
For Work In Restricted Working Space, Add	20.00	
26 05 33 13-2326 EA 3", Cut And Thread Existing In-Place Threaded Conduit.....	69.61	
For Work In Restricted Working Space, Add	20.88	
26 05 33 13-2327 EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	71.08	
For Work In Restricted Working Space, Add	21.32	
26 05 33 13-2328 EA 4", Cut And Thread Existing In-Place Threaded Conduit.....	72.57	
For Work In Restricted Working Space, Add	21.77	
26 05 33 13-2329 EA 5", Cut And Thread Existing In-Place Threaded Conduit.....	75.53	
For Work In Restricted Working Space, Add	22.66	
26 05 33 13-2330 EA 6", Cut And Thread Existing In-Place Threaded Conduit.....	78.50	
For Work In Restricted Working Space, Add	23.55	
26 05 33 13-2331 Flexible Conduit <small>(26 05 33 13-0057)</small>		
26 05 33 13-2332 Flexible Liquid Tight Metallic Conduit And Connectors <small>(26 05 33 13-2331)</small>		
Note: Steel inner core with PVC cover.		
26 05 33 13-2333 Flexible Liquid Tight Metallic Conduit <small>(26 05 33 13-2332)</small>		
26 05 33 13-2334 LF 3/8" Flexible Liquid Tight Metallic Conduit.....	5.36	1.62
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.61	
For Work In Restricted Working Space, Add	1.22	
26 05 33 13-2335 LF 1/2" Flexible Liquid Tight Metallic Conduit.....	5.55	1.62
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.61	
For Work In Restricted Working Space, Add	1.22	
26 05 33 13-2336 LF 3/4" Flexible Liquid Tight Metallic Conduit.....	7.42	2.16
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.81	
For Work In Restricted Working Space, Add	1.62	
26 05 33 13-2337 LF 1" Flexible Liquid Tight Metallic Conduit.....	8.45	2.16
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.81	
For Work In Restricted Working Space, Add	1.62	
26 05 33 13-2338 LF 1-1/4" Flexible Liquid Tight Metallic Conduit.....	10.90	2.71
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.01	
For Work In Restricted Working Space, Add	2.03	
26 05 33 13-2339 LF 1-1/2" Flexible Liquid Tight Metallic Conduit.....	13.94	3.25
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.22	
For Work In Restricted Working Space, Add	2.43	
26 05 33 13-2340 LF 2" Flexible Liquid Tight Metallic Conduit.....	18.36	4.33
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.62	
For Work In Restricted Working Space, Add	3.24	
26 05 33 13-2341 LF 2-1/2" Flexible Liquid Tight Metallic Conduit.....	24.63	4.86
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.83	
For Work In Restricted Working Space, Add	3.65	
26 05 33 13-2342 LF 3" Flexible Liquid Tight Metallic Conduit.....	35.82	5.94
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.23	
For Work In Restricted Working Space, Add	4.46	
26 05 33 13-2343 LF 4" Flexible Liquid Tight Metallic Conduit.....	48.84	7.57
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.84	
For Work In Restricted Working Space, Add	5.68	
26 05 33 13-2344 Straight Liquid Tight Connector <small>(26 05 33 13-2332)</small>		
26 05 33 13-2345 EA 3/8" Straight Liquid Tight Connector.....	14.51	4.33
For Work In Restricted Working Space, Add	3.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.24	
26 05 33 13-2346 EA 1/2" Straight Liquid Tight Connector.....	14.51	4.33
For Work In Restricted Working Space, Add	3.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.24	
26 05 33 13-2347 EA 3/4" Straight Liquid Tight Connector.....	17.47	4.86
For Work In Restricted Working Space, Add	3.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.65	
26 05 33 13-2348 EA 1" Straight Liquid Tight Connector.....	22.97	5.40
For Work In Restricted Working Space, Add	4.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.06	
26 05 33 13-2349 EA 1-1/4" Straight Liquid Tight Connector.....	29.15	5.94
For Work In Restricted Working Space, Add	4.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-2350 EA 1-1/2" Straight Liquid Tight Connector.....	36.60	6.48
For Work In Restricted Working Space, Add	4.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.86	
26 05 33 13-2351 EA 2" Straight Liquid Tight Connector.....	49.98	7.57
For Work In Restricted Working Space, Add	5.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.68	
26 05 33 13-2352 EA 2-1/2" Straight Liquid Tight Connector.....	165.34	9.73
For Work In Restricted Working Space, Add	7.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.30	
26 05 33 13-2353 EA 3" Straight Liquid Tight Connector.....	212.42	10.27
For Work In Restricted Working Space, Add	7.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-2354 EA 4" Straight Liquid Tight Connector.....	260.88	15.13
For Work In Restricted Working Space, Add	11.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.35	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2355				90 Degree Angle Liquid Tight Connector <small>(26 05 33 13-2332)</small>		
26 05 33 13-2356	EA			3/8" 90 Degree Angle Liquid Tight Connector.....	21.03	5.94
				<i>For Work In Restricted Working Space, Add</i>	4.46	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2357	EA			1/2" 90 Degree Angle Liquid Tight Connector.....	21.83	5.94
				<i>For Work In Restricted Working Space, Add</i>	4.46	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2358	EA			3/4" 90 Degree Angle Liquid Tight Connector.....	24.59	6.48
				<i>For Work In Restricted Working Space, Add</i>	4.86	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.86	
26 05 33 13-2359	EA			1" 90 Degree Angle Liquid Tight Connector.....	34.17	7.57
				<i>For Work In Restricted Working Space, Add</i>	5.68	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.68	
26 05 33 13-2360	EA			1-1/4" 90 Degree Angle Liquid Tight Connector.....	42.57	8.11
				<i>For Work In Restricted Working Space, Add</i>	6.08	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-2361	EA			1-1/2" 90 Degree Angle Liquid Tight Connector.....	51.23	8.65
				<i>For Work In Restricted Working Space, Add</i>	6.49	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.49	
26 05 33 13-2362	EA			2" 90 Degree Angle Liquid Tight Connector.....	67.20	9.73
				<i>For Work In Restricted Working Space, Add</i>	7.30	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.30	
26 05 33 13-2363	EA			2-1/2" 90 Degree Angle Liquid Tight Connector.....	229.88	10.27
				<i>For Work In Restricted Working Space, Add</i>	7.70	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-2364	EA			3" 90 Degree Angle Liquid Tight Connector.....	271.56	11.89
				<i>For Work In Restricted Working Space, Add</i>	8.92	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.92	
26 05 33 13-2365	EA			4" 90 Degree Angle Liquid Tight Connector.....	376.48	18.92
				<i>For Work In Restricted Working Space, Add</i>	14.19	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.19	
26 05 33 13-2366				45 Degree Angle Connector <small>(26 05 33 13-2332)</small>		
26 05 33 13-2367	EA			3/8" 45 Degree Angle Liquid Tight Connector.....	20.77	5.94
				<i>For Work In Restricted Working Space, Add</i>	4.46	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2368	EA			1/2" 45 Degree Angle Liquid Tight Connector.....	20.96	5.94
				<i>For Work In Restricted Working Space, Add</i>	4.46	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2369	EA			3/4" 45 Degree Angle Liquid Tight Connector.....	24.59	6.48
				<i>For Work In Restricted Working Space, Add</i>	4.86	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.86	
26 05 33 13-2370	EA			1" 45 Degree Angle Liquid Tight Connector.....	36.34	7.57
				<i>For Work In Restricted Working Space, Add</i>	5.68	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.68	
26 05 33 13-2371	EA			1-1/4" 45 Degree Angle Liquid Tight Connector.....	41.16	8.11
				<i>For Work In Restricted Working Space, Add</i>	6.08	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 33 13-2372	EA			1-1/2" 45 Degree Angle Liquid Tight Connector.....	45.97	8.65
				<i>For Work In Restricted Working Space, Add</i>	6.49	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.49	
26 05 33 13-2373				Flexible Metallic Conduit And Connectors <small>(26 05 33 13-2331)</small>		
26 05 33 13-2374				Flexible Steel Conduit <small>(26 05 33 13-2373)</small>		
26 05 33 13-2375	LF			3/8" Flexible Metallic Conduit.....	5.01	1.77
				<i>For Flexible Aluminum Conduit, Add</i>	0.11	
				<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.65	
				<i>For Installation In Metal Stud Wall, Add</i>	0.43	
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.09	
				<i>For Work In Restricted Working Space, Add</i>	1.30	
26 05 33 13-2376	LF			1/2" Flexible Metallic Conduit.....	5.18	1.77
				<i>For Flexible Aluminum Conduit, Add</i>	0.12	
				<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.67	
				<i>For Installation In Metal Stud Wall, Add</i>	0.44	
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.11	
				<i>For Work In Restricted Working Space, Add</i>	1.33	
26 05 33 13-2377	LF			3/4" Flexible Metallic Conduit.....	5.81	2.36
				<i>For Flexible Aluminum Conduit, Add</i>	0.17	
				<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.72	
				<i>For Installation In Metal Stud Wall, Add</i>	0.48	
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.20	
				<i>For Work In Restricted Working Space, Add</i>	1.44	
26 05 33 13-2378	LF			1" Flexible Metallic Conduit.....	7.05	2.36
				<i>For Flexible Aluminum Conduit, Add</i>	0.31	
				<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.78	
				<i>For Installation In Metal Stud Wall, Add</i>	0.52	
				<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.30	
				<i>For Work In Restricted Working Space, Add</i>	1.55	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2379	LF	1-1/4" Flexible Metallic Conduit.....	7.91	2.96
			<i>For Flexible Aluminum Conduit, Add</i>	0.40	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.82	
			<i>For Installation In Metal Stud Wall, Add</i>	0.55	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.37	
			<i>For Work In Restricted Working Space, Add</i>	1.64	
26 05 33	13-2380	LF	1-1/2" Flexible Metallic Conduit.....	9.97	3.55
			<i>For Flexible Aluminum Conduit, Add</i>	0.71	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.85	
			<i>For Installation In Metal Stud Wall, Add</i>	0.57	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.42	
			<i>For Work In Restricted Working Space, Add</i>	1.71	
26 05 33	13-2381	LF	2" Flexible Metallic Conduit.....	11.17	4.73
			<i>For Flexible Aluminum Conduit, Add</i>	0.87	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.89	
			<i>For Installation In Metal Stud Wall, Add</i>	0.59	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.48	
			<i>For Work In Restricted Working Space, Add</i>	1.78	
26 05 33	13-2382	LF	2-1/2" Flexible Steel Conduit.....	13.74	5.32
			<i>For Flexible Aluminum Conduit, Add</i>	1.05	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.11	
			<i>For Installation In Metal Stud Wall, Add</i>	0.74	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.85	
			<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 33	13-2383	LF	3" Flexible Metallic Conduit.....	19.91	6.51
			<i>For Flexible Aluminum Conduit, Add</i>	1.82	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.33	
			<i>For Installation In Metal Stud Wall, Add</i>	0.89	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.22	
			<i>For Work In Restricted Working Space, Add</i>	2.66	
26 05 33	13-2384	LF	3-1/2" Flexible Metallic Conduit.....	24.26	7.10
			<i>For Flexible Aluminum Conduit, Add</i>	2.30	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.55	
			<i>For Installation In Metal Stud Wall, Add</i>	1.04	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.59	
			<i>For Work In Restricted Working Space, Add</i>	3.11	
26 05 33	13-2385	LF	4" Flexible Metallic Conduit.....	27.88	8.29
			<i>For Flexible Aluminum Conduit, Add</i>	2.65	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.77	
			<i>For Installation In Metal Stud Wall, Add</i>	1.18	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.96	
			<i>For Work In Restricted Working Space, Add</i>	3.55	
26 05 33 13-2386 Plain Squeeze Type Straight Connector <small>(26 05 33 13-2373)</small>					
26 05 33	13-2387	EA	3/8" Flexible Straight Connectors, Plain.....	8.34	4.73
			<i>For Work In Restricted Working Space, Add</i>	2.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.00	
26 05 33	13-2388	EA	1/2" Flexible Straight Connectors, Plain.....	10.08	5.32
			<i>For Work In Restricted Working Space, Add</i>	2.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.22	
26 05 33	13-2389	EA	3/4" Flexible Straight Connectors, Plain.....	11.71	6.51
			<i>For Work In Restricted Working Space, Add</i>	2.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33	13-2390	EA	1" Flexible Straight Connectors, Plain.....	18.04	7.10
			<i>For Work In Restricted Working Space, Add</i>	3.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.55	
26 05 33	13-2391	EA	1-1/4" Flexible Straight Connectors, Plain.....	24.96	8.29
			<i>For Work In Restricted Working Space, Add</i>	4.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
26 05 33	13-2392	EA	1-1/2" Flexible Straight Connectors, Plain.....	32.60	10.06
			<i>For Work In Restricted Working Space, Add</i>	5.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33	13-2393	EA	2" Flexible Straight Connectors, Plain.....	42.28	10.06
			<i>For Work In Restricted Working Space, Add</i>	6.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.66	
26 05 33	13-2394	EA	2-1/2" Flexible Straight Connectors, Plain.....	65.35	12.42
			<i>For Work In Restricted Working Space, Add</i>	7.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.77	
26 05 33	13-2395	EA	3" Flexible Straight Connectors, Plain.....	84.28	13.60
			<i>For Work In Restricted Working Space, Add</i>	8.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
26 05 33	13-2396	EA	3-1/2" Flexible Straight Connectors, Plain.....	244.84	15.97
			<i>For Work In Restricted Working Space, Add</i>	9.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.98	
26 05 33	13-2397	EA	4" Flexible Straight Connectors, Plain.....	304.62	19.53
			<i>For Work In Restricted Working Space, Add</i>	11.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09	
26 05 33 13-2398 Insulated Throat Squeeze Type Straight Connector <small>(26 05 33 13-2373)</small>					
26 05 33	13-2399	EA	1/2" Flexible Straight Connectors, Insulated.....	11.00	5.32
			<i>For Work In Restricted Working Space, Add</i>	2.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2400 EA 3/4" Flexible Straight Connectors, Insulated	12.93	6.51
For Work In Restricted Working Space, Add	2.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.66	
26 05 33 13-2401 EA 1" Flexible Straight Connectors, Insulated	19.69	7.10
For Work In Restricted Working Space, Add	3.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.55	
26 05 33 13-2402 EA 1-1/4" Flexible Straight Connectors, Insulated	28.00	8.29
For Work In Restricted Working Space, Add	4.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
26 05 33 13-2403 EA 1-1/2" Flexible Straight Connectors, Insulated	38.00	8.88
For Work In Restricted Working Space, Add	5.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 05 33 13-2404 EA 2" Flexible Straight Connectors, Insulated	51.81	10.06
For Work In Restricted Working Space, Add	6.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.66	
26 05 33 13-2405 EA 2-1/2" Flexible Straight Connectors, Insulated	85.75	12.42
For Work In Restricted Working Space, Add	7.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.77	
26 05 33 13-2406 EA 3" Flexible Straight Connectors, Insulated	108.33	13.60
For Work In Restricted Working Space, Add	8.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.87	
26 05 33 13-2407 EA 3-1/2" Flexible Straight Connectors, Insulated	281.91	15.97
For Work In Restricted Working Space, Add	9.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.98	
26 05 33 13-2408 EA 4" Flexible Straight Connectors, Insulated	360.35	19.53
For Work In Restricted Working Space, Add	11.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.09	
26 05 33 13-2409 Plain Squeeze Type 90 Degree Connector <small>(26 05 33 13-2373)</small>		
26 05 33 13-2410 EA 3/8" Flexible 90 Degree Connector, Plain	11.59	5.92
For Work In Restricted Working Space, Add	2.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.66	
26 05 33 13-2411 EA 1/2" Flexible 90 Degree Connector, Plain	14.89	6.51
For Work In Restricted Working Space, Add	3.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 05 33 13-2412 EA 3/4" Flexible 90 Degree Connector, Plain	18.94	7.10
For Work In Restricted Working Space, Add	3.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.55	
26 05 33 13-2413 EA 1" Flexible 90 Degree Connector, Plain	26.00	8.29
For Work In Restricted Working Space, Add	4.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
26 05 33 13-2414 EA 1-1/4" Flexible 90 Degree Connector, Plain	39.04	8.88
For Work In Restricted Working Space, Add	5.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-2415 EA 1-1/2" Flexible 90 Degree Connector, Plain	59.39	10.35
For Work In Restricted Working Space, Add	6.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.66	
26 05 33 13-2416 EA 2" Flexible 90 Degree Connector, Plain	71.16	12.72
For Work In Restricted Working Space, Add	7.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	
26 05 33 13-2417 EA 2-1/2" Flexible 90 Degree Connector, Plain	149.50	13.60
For Work In Restricted Working Space, Add	8.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.87	
26 05 33 13-2418 EA 3" Flexible 90 Degree Connector, Plain	190.72	15.97
For Work In Restricted Working Space, Add	9.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.98	
26 05 33 13-2419 EA 3-1/2" Flexible 90 Degree Connector, Plain	395.01	19.53
For Work In Restricted Working Space, Add	11.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.09	
26 05 33 13-2420 EA 4" Flexible 90 Degree Connector, Plain	699.53	22.19
For Work In Restricted Working Space, Add	13.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.31	
26 05 33 13-2421 Insulated Throat Squeeze Type 90 Degree Connector <small>(26 05 33 13-2373)</small>		
26 05 33 13-2422 EA 1/2" Flexible 90 Degree Connector, Insulated	16.17	6.51
For Work In Restricted Working Space, Add	3.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 05 33 13-2423 EA 3/4" Flexible 90 Degree Connector, Insulated	20.52	7.10
For Work In Restricted Working Space, Add	3.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.55	
26 05 33 13-2424 EA 1" Flexible 90 Degree Connector, Insulated	26.00	8.29
For Work In Restricted Working Space, Add	4.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
26 05 33 13-2425 EA 1-1/4" Flexible 90 Degree Connector, Insulated	44.67	8.88
For Work In Restricted Working Space, Add	5.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-2426 EA 1-1/2" Flexible 90 Degree Connector, Insulated	69.62	10.35
For Work In Restricted Working Space, Add	6.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.66	
26 05 33 13-2427 EA 2" Flexible 90 Degree Connector, Insulated	87.77	12.72
For Work In Restricted Working Space, Add	7.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2428 EA 2-1/2" Flexible 90 Degree Connector, Insulated	201.44	13.60
<i>For Work In Restricted Working Space, Add</i>	8.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
26 05 33 13-2429 EA 3" Flexible 90 Degree Connector, Insulated	246.99	15.97
<i>For Work In Restricted Working Space, Add</i>	9.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.98	
26 05 33 13-2430 EA 3-1/2" Flexible 90 Degree Connector, Insulated	650.05	19.53
<i>For Work In Restricted Working Space, Add</i>	11.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09	
26 05 33 13-2431 EA 4" Flexible 90 Degree Connector, Insulated	966.65	22.19
<i>For Work In Restricted Working Space, Add</i>	13.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.31	
26 05 33 13-2432 Plain Squeeze Type 45 Degree Connector <small>(26 05 33 13-2373)</small>		
26 05 33 13-2433 EA 3/8" Flexible 45 Degree Connector, Plain	12.62	5.92
<i>For Work In Restricted Working Space, Add</i>	2.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-2434 EA 1/2" Flexible 45 Degree Connector, Plain	16.55	6.51
<i>For Work In Restricted Working Space, Add</i>	3.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.11	
26 05 33 13-2435 EA 3/4" Flexible 45 Degree Connector, Plain	20.79	7.10
<i>For Work In Restricted Working Space, Add</i>	3.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.55	
26 05 33 13-2436 Insulated Squeeze Type 45 Degree Connector <small>(26 05 33 13-2373)</small>		
26 05 33 13-2437 EA 3/8" Flexible 45 Degree Connector, Insulated	13.34	7.10
<i>For Work In Restricted Working Space, Add</i>	2.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-2438 EA 1/2" Flexible 45 Degree Connector, Insulated	17.72	6.51
<i>For Work In Restricted Working Space, Add</i>	3.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.11	
26 05 33 13-2439 EA 3/4" Flexible 45 Degree Connector, Insulated	22.45	7.10
<i>For Work In Restricted Working Space, Add</i>	3.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.55	
26 05 33 13-2440 Plain Screw-In Connector <small>(26 05 33 13-2373)</small>		
26 05 33 13-2441 EA 3/8" Flexible Steel Screw-in Connector, Plain	7.27	4.73
<i>For Work In Restricted Working Space, Add</i>	2.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.00	
26 05 33 13-2442 EA 1/2" Flexible Steel Screw-in Connector, Plain	7.91	5.32
<i>For Work In Restricted Working Space, Add</i>	2.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.22	
26 05 33 13-2443 EA 3/4" Flexible Steel Screw-in Connector, Plain	9.93	6.51
<i>For Work In Restricted Working Space, Add</i>	2.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-2444 EA 1" Flexible Steel Screw-in Connector, Plain	13.95	7.10
<i>For Work In Restricted Working Space, Add</i>	3.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.55	
26 05 33 13-2445 EA 1-1/4" Flexible Steel Screw-in Connector, Plain	19.75	8.29
<i>For Work In Restricted Working Space, Add</i>	4.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
26 05 33 13-2446 EA 1-1/2" Flexible Steel Screw-in Connector, Plain	24.26	8.88
<i>For Work In Restricted Working Space, Add</i>	5.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33 13-2447 EA 2" Flexible Steel Screw-in Connector, Plain	34.18	10.06
<i>For Work In Restricted Working Space, Add</i>	6.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.66	
26 05 33 13-2448 Insulated Screw-In Connector <small>(26 05 33 13-2373)</small>		
26 05 33 13-2449 EA 3/8" Flexible Steel Screw-in Connector, Insulated	7.58	4.73
<i>For Work In Restricted Working Space, Add</i>	2.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.00	
26 05 33 13-2450 EA 1/2" Flexible Steel Screw-in Connector, Insulated	8.15	5.32
<i>For Work In Restricted Working Space, Add</i>	2.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.22	
26 05 33 13-2451 EA 3/4" Flexible Steel Screw-in Connector, Insulated	10.56	6.51
<i>For Work In Restricted Working Space, Add</i>	2.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-2452 EA 1" Flexible Steel Screw-in Connector, Insulated	14.91	7.10
<i>For Work In Restricted Working Space, Add</i>	3.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.55	
26 05 33 13-2453 EA 1-1/4" Flexible Steel Screw-in Connector, Insulated	21.12	8.29
<i>For Work In Restricted Working Space, Add</i>	4.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
26 05 33 13-2454 EA 1-1/2" Flexible Steel Screw-in Connector, Insulated	25.89	8.88
<i>For Work In Restricted Working Space, Add</i>	5.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33 13-2455 EA 2" Flexible Steel Screw-in Connector, Insulated	35.63	10.06
<i>For Work In Restricted Working Space, Add</i>	6.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2456 Screw-In Coupling <small>(26 05 33 13-2373)</small>		
26 05 33 13-2457 EA 1/2" Flexible Steel Screw-in Coupling	8.51	5.32
<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 33 13-2458 EA 3/4" Flexible Steel Screw-in Coupling	10.93	6.51
<i>For Work In Restricted Working Space, Add</i>	2.66	
26 05 33 13-2459 Flexible To Electrical Metallic Tubing (EMT) Coupling <small>(26 05 33 13-2373)</small>		
26 05 33 13-2460 EA 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	10.46	4.73
<i>For Work In Restricted Working Space, Add</i>	2.00	
26 05 33 13-2461 EA 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	13.75	5.32
<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 33 13-2462 EA 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	17.92	6.51
<i>For Work In Restricted Working Space, Add</i>	2.66	
26 05 33 13-2463 Die Cast Squeeze Type Straight Connector <small>(26 05 33 13-2373)</small>		
26 05 33 13-2464 EA 3/8" Flexible Straight Connector, Die Cast	7.47	4.73
<i>For Work In Restricted Working Space, Add</i>	2.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.00	
26 05 33 13-2465 EA 1/2" Flexible Straight Connector, Die Cast	8.41	5.32
<i>For Work In Restricted Working Space, Add</i>	2.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.22	
26 05 33 13-2466 EA 3/4" Flexible Straight Connector, Die Cast	10.36	6.51
<i>For Work In Restricted Working Space, Add</i>	2.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-2467 EA 1" Flexible Straight Connector, Die Cast	15.13	7.10
<i>For Work In Restricted Working Space, Add</i>	3.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.55	
26 05 33 13-2468 EA 1-1/4" Flexible Straight Connector, Die Cast	20.04	8.29
<i>For Work In Restricted Working Space, Add</i>	4.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
26 05 33 13-2469 EA 1-1/2" Flexible Straight Connector, Die Cast	26.72	8.88
<i>For Work In Restricted Working Space, Add</i>	5.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33 13-2470 EA 2" Flexible Straight Connector, Die Cast	34.05	10.06
<i>For Work In Restricted Working Space, Add</i>	6.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.66	
26 05 33 13-2471 Die Cast Squeeze Type 90 Degree Connector <small>(26 05 33 13-2373)</small>		
26 05 33 13-2472 EA 3/8" Flexible 90 Degree Connector, Die Cast	9.92	5.92
<i>For Work In Restricted Working Space, Add</i>	2.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-2473 EA 1/2" Flexible 90 Degree Connector, Die Cast	12.10	6.51
<i>For Work In Restricted Working Space, Add</i>	3.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.11	
26 05 33 13-2474 EA 3/4" Flexible 90 Degree Connector, Die Cast	14.46	7.10
<i>For Work In Restricted Working Space, Add</i>	3.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.55	
26 05 33 13-2475 EA 1" Flexible 90 Degree Connector, Die Cast	21.75	8.29
<i>For Work In Restricted Working Space, Add</i>	4.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
26 05 33 13-2476 EA 1-1/4" Flexible 90 Degree Connector, Die Cast	29.90	8.88
<i>For Work In Restricted Working Space, Add</i>	5.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.33	
26 05 33 13-2477 EA 1-1/2" Flexible 90 Degree Connector, Die Cast	44.87	10.35
<i>For Work In Restricted Working Space, Add</i>	6.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.66	
26 05 33 13-2478 EA 2" Flexible 90 Degree Connector, Die Cast	53.24	12.72
<i>For Work In Restricted Working Space, Add</i>	7.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.55	
26 05 33 13-2479 Flexible Liquid Tight Non-Metallic Conduit And Connectors <small>(26 05 33 13-2331)</small>		
26 05 33 13-2480 Flexible Liquid Tight Non-Metallic Conduit <small>(26 05 33 13-2479)</small>		
26 05 33 13-2481 LF 3/8" Flexible Liquid Tight Non-Metallic Conduit	4.75	1.62
<i>For Work In Restricted Working Space, Add</i>	1.22	
26 05 33 13-2482 LF 1/2" Flexible Liquid Tight Non-Metallic Conduit	4.81	1.62
<i>For Work In Restricted Working Space, Add</i>	1.22	
26 05 33 13-2483 LF 3/4" Flexible Liquid Tight Non-Metallic Conduit	6.43	2.16
<i>For Work In Restricted Working Space, Add</i>	1.62	
26 05 33 13-2484 LF 1" Flexible Liquid Tight Non-Metallic Conduit	7.48	2.16
<i>For Work In Restricted Working Space, Add</i>	1.62	
26 05 33 13-2485 LF 1-1/4" Flexible Liquid Tight Non-Metallic Conduit	9.46	2.71
<i>For Work In Restricted Working Space, Add</i>	2.03	
26 05 33 13-2486 LF 1-1/2" Flexible Liquid Tight Non-Metallic Conduit	11.88	3.25
<i>For Work In Restricted Working Space, Add</i>	2.43	
26 05 33 13-2487 LF 2" Flexible Liquid Tight Non-Metallic Conduit	15.41	4.33
<i>For Work In Restricted Working Space, Add</i>	3.24	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2488 Liquid Tight Non-Metallic Straight Connector (26 05 33 13-2479)		
26 05 33 13-2489 EA 3/8" Liquid Tight Non-Metallic Straight Connector.....	13.35	4.33
For Work In Restricted Working Space, Add	3.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.24	
26 05 33 13-2490 EA 1/2" Liquid Tight Non-Metallic Straight Connector.....	13.35	4.33
For Work In Restricted Working Space, Add	3.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.24	
26 05 33 13-2491 EA 3/4" Liquid Tight Non-Metallic Straight Connector.....	15.92	4.86
For Work In Restricted Working Space, Add	3.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.65	
26 05 33 13-2492 EA 1" Liquid Tight Non-Metallic Straight Connector.....	19.16	5.40
For Work In Restricted Working Space, Add	4.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.06	
26 05 33 13-2493 EA 1-1/4" Liquid Tight Non-Metallic Straight Connector.....	24.98	5.94
For Work In Restricted Working Space, Add	4.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-2494 EA 1-1/2" Liquid Tight Non-Metallic Straight Connector.....	30.30	6.48
For Work In Restricted Working Space, Add	4.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.86	
26 05 33 13-2495 EA 2" Liquid Tight Non-Metallic Straight Connector.....	44.77	7.57
For Work In Restricted Working Space, Add	5.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.68	
26 05 33 13-2496 Liquid Tight Non-Metallic 90 Degree Angle Connector (26 05 33 13-2479)		
26 05 33 13-2497 EA 3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	18.99	5.94
For Work In Restricted Working Space, Add	4.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-2498 EA 1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	18.99	5.94
For Work In Restricted Working Space, Add	4.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-2499 EA 3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	22.56	6.48
For Work In Restricted Working Space, Add	4.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.86	
26 05 33 13-2500 EA 1" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	30.38	7.57
For Work In Restricted Working Space, Add	5.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.68	
26 05 33 13-2501 EA 1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	31.67	8.11
For Work In Restricted Working Space, Add	6.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 33 13-2502 EA 1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	46.07	8.65
For Work In Restricted Working Space, Add	6.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.49	
26 05 33 13-2503 EA 2" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	60.09	9.73
For Work In Restricted Working Space, Add	7.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.30	
26 05 33 13-2504 Liquid Tight Non-Metallic 45 Degree Angle Connector (26 05 33 13-2479)		
26 05 33 13-2505 EA 3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	18.99	5.94
For Work In Restricted Working Space, Add	4.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-2506 EA 1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	18.99	5.94
For Work In Restricted Working Space, Add	4.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-2507 EA 3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	22.56	6.48
For Work In Restricted Working Space, Add	4.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.86	
26 05 33 13-2508 EA 1" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	30.38	7.57
For Work In Restricted Working Space, Add	5.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.68	
26 05 33 13-2509 EA 1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	31.67	8.11
For Work In Restricted Working Space, Add	6.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 33 13-2510 EA 1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	46.07	8.65
For Work In Restricted Working Space, Add	6.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.49	
26 05 33 13-2511 EA 2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	60.09	9.73
For Work In Restricted Working Space, Add	7.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.30	
26 05 33 13-2512 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2331)		
Note: Carlon - FLEX-PLUS.		
26 05 33 13-2513 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2512)		
26 05 33 13-2514 LF 1/2" Blue ENT Electrical Non-Metallic Tubing.....	5.87	1.77
For Work In Restricted Working Space, Add	1.33	
26 05 33 13-2515 LF 3/4" Blue ENT Electrical Non-Metallic Tubing.....	7.91	2.36
For Work In Restricted Working Space, Add	1.78	
26 05 33 13-2516 LF 1" Blue ENT Electrical Non-Metallic Tubing.....	9.13	2.36
For Work In Restricted Working Space, Add	1.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2517 Terminal Adapter <small>(26 05 33 13-2512)</small>		
26 05 33 13-2518 EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	14.18	4.73
<i>For Work In Restricted Working Space, Add</i>	3.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.55	
26 05 33 13-2519 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	17.59	5.32
<i>For Work In Restricted Working Space, Add</i>	3.99	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.99	
26 05 33 13-2520 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	20.30	5.92
<i>For Work In Restricted Working Space, Add</i>	4.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
26 05 33 13-2521 Coupling <small>(26 05 33 13-2512)</small>		
26 05 33 13-2522 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	13.87	4.73
<i>For Work In Restricted Working Space, Add</i>	3.55	
26 05 33 13-2523 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	15.96	5.32
<i>For Work In Restricted Working Space, Add</i>	3.99	
26 05 33 13-2524 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	18.77	5.92
<i>For Work In Restricted Working Space, Add</i>	4.44	
26 05 33 13-2525 Metallic Conduit Bodies <small>(26 05 33 13-0057)</small>		
26 05 33 13-2526 Threaded, Cast Aluminum Conduit Body <small>(26 05 33 13-2525)</small>		
Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)		
26 05 33 13-2527 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2526)</small>		
26 05 33 13-2528 EA 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	73.65	25.94
<i>For Mogul LB, Add</i>	3.34	
<i>For Work In Restricted Working Space, Add</i>	19.46	
<i>For Elevated Installation >10' To 15', Add</i>	6.49	
<i>For Elevated Installation >15' To 20', Add</i>	12.97	
<i>For Elevated Installation >20' To 25', Add</i>	16.22	
<i>For Elevated Installation >25' To 30', Add</i>	22.70	
<i>For Elevated Installation >30' To 35', Add</i>	25.95	
<i>For Elevated Installation >35' To 40', Add</i>	32.44	
<i>For Elevated Installation >40', Add</i>	35.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.46	
26 05 33 13-2529 EA 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	86.24	29.73
<i>For Mogul LB, Add</i>	5.22	
<i>For Work In Restricted Working Space, Add</i>	22.30	
<i>For Elevated Installation >10' To 15', Add</i>	7.43	
<i>For Elevated Installation >15' To 20', Add</i>	14.86	
<i>For Elevated Installation >20' To 25', Add</i>	18.58	
<i>For Elevated Installation >25' To 30', Add</i>	26.01	
<i>For Elevated Installation >30' To 35', Add</i>	29.73	
<i>For Elevated Installation >35' To 40', Add</i>	37.16	
<i>For Elevated Installation >40', Add</i>	40.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.30	
26 05 33 13-2530 EA 1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	103.46	34.59
<i>For Mogul LB, Add</i>	8.40	
<i>For Work In Restricted Working Space, Add</i>	25.95	
<i>For Elevated Installation >10' To 15', Add</i>	8.65	
<i>For Elevated Installation >15' To 20', Add</i>	17.30	
<i>For Elevated Installation >20' To 25', Add</i>	21.62	
<i>For Elevated Installation >25' To 30', Add</i>	30.27	
<i>For Elevated Installation >30' To 35', Add</i>	34.60	
<i>For Elevated Installation >35' To 40', Add</i>	43.25	
<i>For Elevated Installation >40', Add</i>	47.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.95	
26 05 33 13-2531 EA 1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	124.00	39.46
<i>For Mogul LB, Add</i>	14.07	
<i>For Work In Restricted Working Space, Add</i>	29.60	
<i>For Elevated Installation >10' To 15', Add</i>	9.87	
<i>For Elevated Installation >15' To 20', Add</i>	19.73	
<i>For Elevated Installation >20' To 25', Add</i>	24.67	
<i>For Elevated Installation >25' To 30', Add</i>	34.53	
<i>For Elevated Installation >30' To 35', Add</i>	39.46	
<i>For Elevated Installation >35' To 40', Add</i>	49.33	
<i>For Elevated Installation >40', Add</i>	54.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.60	
26 05 33 13-2532 EA 1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	140.80	43.25
<i>For Mogul LB, Add</i>	19.11	
<i>For Work In Restricted Working Space, Add</i>	32.43	
<i>For Elevated Installation >10' To 15', Add</i>	10.81	
<i>For Elevated Installation >15' To 20', Add</i>	21.62	
<i>For Elevated Installation >20' To 25', Add</i>	27.03	
<i>For Elevated Installation >25' To 30', Add</i>	37.84	
<i>For Elevated Installation >30' To 35', Add</i>	43.24	
<i>For Elevated Installation >35' To 40', Add</i>	54.06	
<i>For Elevated Installation >40', Add</i>	59.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.43	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2533	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	182.54	51.90
			<i>For Mogul LB, Add</i>	33.11	
			<i>For Work In Restricted Working Space, Add</i>	38.92	
			<i>For Elevated Installation >10' To 15', Add</i>	12.97	
			<i>For Elevated Installation >15' To 20', Add</i>	25.95	
			<i>For Elevated Installation >20' To 25', Add</i>	32.44	
			<i>For Elevated Installation >25' To 30', Add</i>	45.41	
			<i>For Elevated Installation >30' To 35', Add</i>	51.90	
			<i>For Elevated Installation >35' To 40', Add</i>	64.87	
			<i>For Elevated Installation >40', Add</i>	71.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.92	
26 05 33	13-2534	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	299.29	72.97
			<i>For Mogul LB, Add</i>	78.52	
			<i>For Work In Restricted Working Space, Add</i>	54.73	
			<i>For Elevated Installation >10' To 15', Add</i>	18.24	
			<i>For Elevated Installation >15' To 20', Add</i>	36.49	
			<i>For Elevated Installation >20' To 25', Add</i>	45.61	
			<i>For Elevated Installation >25' To 30', Add</i>	63.85	
			<i>For Elevated Installation >30' To 35', Add</i>	72.98	
			<i>For Elevated Installation >35' To 40', Add</i>	91.22	
			<i>For Elevated Installation >40', Add</i>	100.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.73	
26 05 33	13-2535	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	394.13	97.30
			<i>For Mogul LB, Add</i>	100.99	
			<i>For Work In Restricted Working Space, Add</i>	72.98	
			<i>For Elevated Installation >10' To 15', Add</i>	24.33	
			<i>For Elevated Installation >15' To 20', Add</i>	48.65	
			<i>For Elevated Installation >20' To 25', Add</i>	60.82	
			<i>For Elevated Installation >25' To 30', Add</i>	85.14	
			<i>For Elevated Installation >30' To 35', Add</i>	97.30	
			<i>For Elevated Installation >35' To 40', Add</i>	121.63	
			<i>For Elevated Installation >40', Add</i>	133.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.98	
26 05 33	13-2536	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	519.84	121.62
			<i>For Mogul LB, Add</i>	146.63	
			<i>For Work In Restricted Working Space, Add</i>	91.22	
			<i>For Elevated Installation >10' To 15', Add</i>	30.41	
			<i>For Elevated Installation >15' To 20', Add</i>	60.81	
			<i>For Elevated Installation >20' To 25', Add</i>	76.02	
			<i>For Elevated Installation >25' To 30', Add</i>	106.42	
			<i>For Elevated Installation >30' To 35', Add</i>	121.62	
			<i>For Elevated Installation >35' To 40', Add</i>	152.03	
			<i>For Elevated Installation >40', Add</i>	167.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.22	
26 05 33	13-2537	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	670.13	148.12
			<i>For Mogul LB, Add</i>	206.37	
			<i>For Work In Restricted Working Space, Add</i>	111.09	
			<i>For Elevated Installation >10' To 15', Add</i>	37.03	
			<i>For Elevated Installation >15' To 20', Add</i>	74.06	
			<i>For Elevated Installation >20' To 25', Add</i>	92.57	
			<i>For Elevated Installation >25' To 30', Add</i>	129.60	
			<i>For Elevated Installation >30' To 35', Add</i>	148.12	
			<i>For Elevated Installation >35' To 40', Add</i>	185.15	
			<i>For Elevated Installation >40', Add</i>	203.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.09	
26 05 33	13-2538		Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		
			<small>(26 05 33 13-2526)</small>		
26 05 33	13-2539	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	74.71	25.94
			<i>For Mogul LB, Add</i>	4.14	
			<i>For Work In Restricted Working Space, Add</i>	19.46	
			<i>For Elevated Installation >10' To 15', Add</i>	6.49	
			<i>For Elevated Installation >15' To 20', Add</i>	12.97	
			<i>For Elevated Installation >20' To 25', Add</i>	16.22	
			<i>For Elevated Installation >25' To 30', Add</i>	22.70	
			<i>For Elevated Installation >30' To 35', Add</i>	25.95	
			<i>For Elevated Installation >35' To 40', Add</i>	32.44	
			<i>For Elevated Installation >40', Add</i>	35.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.46	
26 05 33	13-2540	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	87.28	29.73
			<i>For Mogul LB, Add</i>	6.00	
			<i>For Work In Restricted Working Space, Add</i>	22.30	
			<i>For Elevated Installation >10' To 15', Add</i>	7.43	
			<i>For Elevated Installation >15' To 20', Add</i>	14.86	
			<i>For Elevated Installation >20' To 25', Add</i>	18.58	
			<i>For Elevated Installation >25' To 30', Add</i>	26.01	
			<i>For Elevated Installation >30' To 35', Add</i>	29.73	
			<i>For Elevated Installation >35' To 40', Add</i>	37.16	
			<i>For Elevated Installation >40', Add</i>	40.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2541 EA 1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	105.56	34.59
For Mogul LB, Add	9.98	
For Work In Restricted Working Space, Add	25.95	
For Elevated Installation >10' To 15', Add	8.65	
For Elevated Installation >15' To 20', Add	17.30	
For Elevated Installation >20' To 25', Add	21.62	
For Elevated Installation >25' To 30', Add	30.27	
For Elevated Installation >30' To 35', Add	34.60	
For Elevated Installation >35' To 40', Add	43.25	
For Elevated Installation >40', Add	47.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.95	
26 05 33 13-2542 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	126.55	39.46
For Mogul LB, Add	15.98	
For Work In Restricted Working Space, Add	29.60	
For Elevated Installation >10' To 15', Add	9.87	
For Elevated Installation >15' To 20', Add	19.73	
For Elevated Installation >20' To 25', Add	24.67	
For Elevated Installation >25' To 30', Add	34.53	
For Elevated Installation >30' To 35', Add	39.46	
For Elevated Installation >35' To 40', Add	49.33	
For Elevated Installation >40', Add	54.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 05 33 13-2543 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	145.15	43.25
For Mogul LB, Add	22.37	
For Work In Restricted Working Space, Add	32.43	
For Elevated Installation >10' To 15', Add	10.81	
For Elevated Installation >15' To 20', Add	21.62	
For Elevated Installation >20' To 25', Add	27.03	
For Elevated Installation >25' To 30', Add	37.84	
For Elevated Installation >30' To 35', Add	43.24	
For Elevated Installation >35' To 40', Add	54.06	
For Elevated Installation >40', Add	59.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.43	
26 05 33 13-2544 EA 2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	191.87	51.90
For Mogul LB, Add	40.11	
For Work In Restricted Working Space, Add	38.92	
For Elevated Installation >10' To 15', Add	12.97	
For Elevated Installation >15' To 20', Add	25.95	
For Elevated Installation >20' To 25', Add	32.44	
For Elevated Installation >25' To 30', Add	45.41	
For Elevated Installation >30' To 35', Add	51.90	
For Elevated Installation >35' To 40', Add	64.87	
For Elevated Installation >40', Add	71.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.92	
26 05 33 13-2545 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	294.58	72.97
For Mogul LB, Add	74.98	
For Work In Restricted Working Space, Add	54.73	
For Elevated Installation >10' To 15', Add	18.24	
For Elevated Installation >15' To 20', Add	36.49	
For Elevated Installation >20' To 25', Add	45.61	
For Elevated Installation >25' To 30', Add	63.85	
For Elevated Installation >30' To 35', Add	72.98	
For Elevated Installation >35' To 40', Add	91.22	
For Elevated Installation >40', Add	100.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.73	
26 05 33 13-2546 EA 3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	378.30	97.30
For Mogul LB, Add	89.12	
For Work In Restricted Working Space, Add	72.98	
For Elevated Installation >10' To 15', Add	24.33	
For Elevated Installation >15' To 20', Add	48.65	
For Elevated Installation >20' To 25', Add	60.82	
For Elevated Installation >25' To 30', Add	85.14	
For Elevated Installation >30' To 35', Add	97.30	
For Elevated Installation >35' To 40', Add	121.63	
For Elevated Installation >40', Add	133.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.98	
26 05 33 13-2547 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	533.33	121.62
For Mogul LB, Add	156.75	
For Work In Restricted Working Space, Add	91.22	
For Elevated Installation >10' To 15', Add	30.41	
For Elevated Installation >15' To 20', Add	60.81	
For Elevated Installation >20' To 25', Add	76.02	
For Elevated Installation >25' To 30', Add	106.42	
For Elevated Installation >30' To 35', Add	121.62	
For Elevated Installation >35' To 40', Add	152.03	
For Elevated Installation >40', Add	167.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.22	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2548	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	697.72	148.12
			<i>For Mogul LB, Add</i>	227.06	
			<i>For Work In Restricted Working Space, Add</i>	111.09	
			<i>For Elevated Installation >10' To 15', Add</i>	37.03	
			<i>For Elevated Installation >15' To 20', Add</i>	74.06	
			<i>For Elevated Installation >20' To 25', Add</i>	92.57	
			<i>For Elevated Installation >25' To 30', Add</i>	129.60	
			<i>For Elevated Installation >30' To 35', Add</i>	148.12	
			<i>For Elevated Installation >35' To 40', Add</i>	185.15	
			<i>For Elevated Installation >40', Add</i>	203.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.09	
26 05 33	13-2549	EA	Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2526)</small>		
26 05 33	13-2550	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	85.96	29.73
			<i>For Work In Restricted Working Space, Add</i>	22.30	
			<i>For Elevated Installation >10' To 15', Add</i>	7.43	
			<i>For Elevated Installation >15' To 20', Add</i>	14.86	
			<i>For Elevated Installation >20' To 25', Add</i>	18.58	
			<i>For Elevated Installation >25' To 30', Add</i>	26.01	
			<i>For Elevated Installation >30' To 35', Add</i>	29.73	
			<i>For Elevated Installation >35' To 40', Add</i>	37.16	
			<i>For Elevated Installation >40', Add</i>	40.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.30	
26 05 33	13-2551	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	101.47	34.59
			<i>For Work In Restricted Working Space, Add</i>	25.95	
			<i>For Elevated Installation >10' To 15', Add</i>	8.65	
			<i>For Elevated Installation >15' To 20', Add</i>	17.30	
			<i>For Elevated Installation >20' To 25', Add</i>	21.62	
			<i>For Elevated Installation >25' To 30', Add</i>	30.27	
			<i>For Elevated Installation >30' To 35', Add</i>	34.60	
			<i>For Elevated Installation >35' To 40', Add</i>	43.25	
			<i>For Elevated Installation >40', Add</i>	47.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.95	
26 05 33	13-2552	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	115.80	37.84
			<i>For Work In Restricted Working Space, Add</i>	28.38	
			<i>For Elevated Installation >10' To 15', Add</i>	9.46	
			<i>For Elevated Installation >15' To 20', Add</i>	18.92	
			<i>For Elevated Installation >20' To 25', Add</i>	23.65	
			<i>For Elevated Installation >25' To 30', Add</i>	33.11	
			<i>For Elevated Installation >30' To 35', Add</i>	37.84	
			<i>For Elevated Installation >35' To 40', Add</i>	47.30	
			<i>For Elevated Installation >40', Add</i>	52.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.38	
26 05 33	13-2553	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	140.25	43.25
			<i>For Work In Restricted Working Space, Add</i>	32.43	
			<i>For Elevated Installation >10' To 15', Add</i>	10.81	
			<i>For Elevated Installation >15' To 20', Add</i>	21.62	
			<i>For Elevated Installation >20' To 25', Add</i>	27.03	
			<i>For Elevated Installation >25' To 30', Add</i>	37.84	
			<i>For Elevated Installation >30' To 35', Add</i>	43.24	
			<i>For Elevated Installation >35' To 40', Add</i>	54.06	
			<i>For Elevated Installation >40', Add</i>	59.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.43	
26 05 33	13-2554	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	160.70	47.57
			<i>For Work In Restricted Working Space, Add</i>	35.68	
			<i>For Elevated Installation >10' To 15', Add</i>	11.89	
			<i>For Elevated Installation >15' To 20', Add</i>	23.79	
			<i>For Elevated Installation >20' To 25', Add</i>	29.73	
			<i>For Elevated Installation >25' To 30', Add</i>	41.63	
			<i>For Elevated Installation >30' To 35', Add</i>	47.57	
			<i>For Elevated Installation >35' To 40', Add</i>	59.47	
			<i>For Elevated Installation >40', Add</i>	65.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.68	
26 05 33	13-2555	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	210.64	55.68
			<i>For Work In Restricted Working Space, Add</i>	41.76	
			<i>For Elevated Installation >10' To 15', Add</i>	13.92	
			<i>For Elevated Installation >15' To 20', Add</i>	27.84	
			<i>For Elevated Installation >20' To 25', Add</i>	34.80	
			<i>For Elevated Installation >25' To 30', Add</i>	48.72	
			<i>For Elevated Installation >30' To 35', Add</i>	55.68	
			<i>For Elevated Installation >35' To 40', Add</i>	69.60	
			<i>For Elevated Installation >40', Add</i>	76.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.76	
26 05 33	13-2556	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	328.95	81.09
			<i>For Work In Restricted Working Space, Add</i>	60.81	
			<i>For Elevated Installation >10' To 15', Add</i>	20.27	
			<i>For Elevated Installation >15' To 20', Add</i>	40.54	
			<i>For Elevated Installation >20' To 25', Add</i>	50.68	
			<i>For Elevated Installation >25' To 30', Add</i>	70.95	
			<i>For Elevated Installation >30' To 35', Add</i>	81.08	
			<i>For Elevated Installation >35' To 40', Add</i>	101.36	
			<i>For Elevated Installation >40', Add</i>	111.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2557 EA 3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	425.35	105.41
For Work In Restricted Working Space, Add	79.06	
For Elevated Installation >10' To 15', Add	26.35	
For Elevated Installation >15' To 20', Add	52.71	
For Elevated Installation >20' To 25', Add	65.88	
For Elevated Installation >25' To 30', Add	92.24	
For Elevated Installation >30' To 35', Add	105.41	
For Elevated Installation >35' To 40', Add	131.77	
For Elevated Installation >40', Add	144.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.06	
26 05 33 13-2558 EA 3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	660.43	129.74
For Work In Restricted Working Space, Add	97.30	
For Elevated Installation >10' To 15', Add	32.43	
For Elevated Installation >15' To 20', Add	64.87	
For Elevated Installation >20' To 25', Add	81.08	
For Elevated Installation >25' To 30', Add	113.52	
For Elevated Installation >30' To 35', Add	129.73	
For Elevated Installation >35' To 40', Add	162.17	
For Elevated Installation >40', Add	178.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.30	
26 05 33 13-2559 EA 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	760.61	156.23
For Work In Restricted Working Space, Add	117.17	
For Elevated Installation >10' To 15', Add	39.06	
For Elevated Installation >15' To 20', Add	78.11	
For Elevated Installation >20' To 25', Add	97.64	
For Elevated Installation >25' To 30', Add	136.69	
For Elevated Installation >30' To 35', Add	156.22	
For Elevated Installation >35' To 40', Add	195.28	
For Elevated Installation >40', Add	214.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.17	
26 05 33 13-2560 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2560)</small>		
26 05 33 13-2561 EA 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	74.93	25.94
For Work In Restricted Working Space, Add	19.46	
For Elevated Installation >10' To 15', Add	6.49	
For Elevated Installation >15' To 20', Add	12.97	
For Elevated Installation >20' To 25', Add	16.22	
For Elevated Installation >25' To 30', Add	22.70	
For Elevated Installation >30' To 35', Add	25.95	
For Elevated Installation >35' To 40', Add	32.44	
For Elevated Installation >40', Add	35.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.46	
26 05 33 13-2562 EA 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	86.54	29.73
For Work In Restricted Working Space, Add	22.30	
For Elevated Installation >10' To 15', Add	7.43	
For Elevated Installation >15' To 20', Add	14.86	
For Elevated Installation >20' To 25', Add	18.58	
For Elevated Installation >25' To 30', Add	26.01	
For Elevated Installation >30' To 35', Add	29.73	
For Elevated Installation >35' To 40', Add	37.16	
For Elevated Installation >40', Add	40.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.30	
26 05 33 13-2563 EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	103.35	34.05
For Work In Restricted Working Space, Add	25.54	
For Elevated Installation >10' To 15', Add	8.51	
For Elevated Installation >15' To 20', Add	17.03	
For Elevated Installation >20' To 25', Add	21.29	
For Elevated Installation >25' To 30', Add	29.80	
For Elevated Installation >30' To 35', Add	34.06	
For Elevated Installation >35' To 40', Add	42.57	
For Elevated Installation >40', Add	46.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.54	
26 05 33 13-2564 EA 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	125.54	39.46
For Work In Restricted Working Space, Add	29.60	
For Elevated Installation >10' To 15', Add	9.87	
For Elevated Installation >15' To 20', Add	19.73	
For Elevated Installation >20' To 25', Add	24.67	
For Elevated Installation >25' To 30', Add	34.53	
For Elevated Installation >30' To 35', Add	39.46	
For Elevated Installation >35' To 40', Add	49.33	
For Elevated Installation >40', Add	54.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 05 33 13-2565 EA 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	140.09	43.25
For Work In Restricted Working Space, Add	32.43	
For Elevated Installation >10' To 15', Add	10.81	
For Elevated Installation >15' To 20', Add	21.62	
For Elevated Installation >20' To 25', Add	27.03	
For Elevated Installation >25' To 30', Add	37.84	
For Elevated Installation >30' To 35', Add	43.24	
For Elevated Installation >35' To 40', Add	54.06	
For Elevated Installation >40', Add	59.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.43	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2566	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	182.61	51.90
			<i>For Work In Restricted Working Space, Add</i>	38.92	
			<i>For Elevated Installation >10' To 15', Add</i>	12.97	
			<i>For Elevated Installation >15' To 20', Add</i>	25.95	
			<i>For Elevated Installation >20' To 25', Add</i>	32.44	
			<i>For Elevated Installation >25' To 30', Add</i>	45.41	
			<i>For Elevated Installation >30' To 35', Add</i>	51.90	
			<i>For Elevated Installation >35' To 40', Add</i>	64.87	
			<i>For Elevated Installation >40', Add</i>	71.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.92	
26 05 33	13-2567	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	290.62	72.97
			<i>For Work In Restricted Working Space, Add</i>	54.73	
			<i>For Elevated Installation >10' To 15', Add</i>	18.24	
			<i>For Elevated Installation >15' To 20', Add</i>	36.49	
			<i>For Elevated Installation >20' To 25', Add</i>	45.61	
			<i>For Elevated Installation >25' To 30', Add</i>	63.85	
			<i>For Elevated Installation >30' To 35', Add</i>	72.98	
			<i>For Elevated Installation >35' To 40', Add</i>	91.22	
			<i>For Elevated Installation >40', Add</i>	100.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.73	
26 05 33	13-2568	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	375.77	97.30
			<i>For Work In Restricted Working Space, Add</i>	72.98	
			<i>For Elevated Installation >10' To 15', Add</i>	24.33	
			<i>For Elevated Installation >15' To 20', Add</i>	48.65	
			<i>For Elevated Installation >20' To 25', Add</i>	60.82	
			<i>For Elevated Installation >25' To 30', Add</i>	85.14	
			<i>For Elevated Installation >30' To 35', Add</i>	97.30	
			<i>For Elevated Installation >35' To 40', Add</i>	121.63	
			<i>For Elevated Installation >40', Add</i>	133.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.98	
26 05 33	13-2569	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	525.22	121.62
			<i>For Work In Restricted Working Space, Add</i>	91.22	
			<i>For Elevated Installation >10' To 15', Add</i>	30.41	
			<i>For Elevated Installation >15' To 20', Add</i>	60.81	
			<i>For Elevated Installation >20' To 25', Add</i>	76.02	
			<i>For Elevated Installation >25' To 30', Add</i>	106.42	
			<i>For Elevated Installation >30' To 35', Add</i>	121.62	
			<i>For Elevated Installation >35' To 40', Add</i>	152.03	
			<i>For Elevated Installation >40', Add</i>	167.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.22	
26 05 33	13-2570	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	672.66	148.12
			<i>For Work In Restricted Working Space, Add</i>	111.09	
			<i>For Elevated Installation >10' To 15', Add</i>	37.03	
			<i>For Elevated Installation >15' To 20', Add</i>	74.06	
			<i>For Elevated Installation >20' To 25', Add</i>	92.57	
			<i>For Elevated Installation >25' To 30', Add</i>	129.60	
			<i>For Elevated Installation >30' To 35', Add</i>	148.12	
			<i>For Elevated Installation >35' To 40', Add</i>	185.15	
			<i>For Elevated Installation >40', Add</i>	203.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.09	
26 05 33	13-2571		Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33)</small>		
			<small>13-2526</small>		
26 05 33	13-2572	EA	1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	99.42	34.05
			<i>For Work In Restricted Working Space, Add</i>	25.54	
			<i>For Elevated Installation >10' To 15', Add</i>	8.51	
			<i>For Elevated Installation >15' To 20', Add</i>	17.03	
			<i>For Elevated Installation >20' To 25', Add</i>	21.29	
			<i>For Elevated Installation >25' To 30', Add</i>	29.80	
			<i>For Elevated Installation >30' To 35', Add</i>	34.06	
			<i>For Elevated Installation >35' To 40', Add</i>	42.57	
			<i>For Elevated Installation >40', Add</i>	46.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.54	
26 05 33	13-2573	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	113.92	37.84
			<i>For Work In Restricted Working Space, Add</i>	28.38	
			<i>For Elevated Installation >10' To 15', Add</i>	9.46	
			<i>For Elevated Installation >15' To 20', Add</i>	18.92	
			<i>For Elevated Installation >20' To 25', Add</i>	23.65	
			<i>For Elevated Installation >25' To 30', Add</i>	33.11	
			<i>For Elevated Installation >30' To 35', Add</i>	37.84	
			<i>For Elevated Installation >35' To 40', Add</i>	47.30	
			<i>For Elevated Installation >40', Add</i>	52.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.38	
26 05 33	13-2574	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	136.75	41.63
			<i>For Work In Restricted Working Space, Add</i>	31.22	
			<i>For Elevated Installation >10' To 15', Add</i>	10.41	
			<i>For Elevated Installation >15' To 20', Add</i>	20.81	
			<i>For Elevated Installation >20' To 25', Add</i>	26.02	
			<i>For Elevated Installation >25' To 30', Add</i>	36.42	
			<i>For Elevated Installation >30' To 35', Add</i>	41.62	
			<i>For Elevated Installation >35' To 40', Add</i>	52.03	
			<i>For Elevated Installation >40', Add</i>	57.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2575 EA 1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	157.42	47.57
<i>For Work In Restricted Working Space, Add</i>	35.68	
<i>For Elevated Installation >10' To 15', Add</i>	11.89	
<i>For Elevated Installation >15' To 20', Add</i>	23.79	
<i>For Elevated Installation >20' To 25', Add</i>	29.73	
<i>For Elevated Installation >25' To 30', Add</i>	41.63	
<i>For Elevated Installation >30' To 35', Add</i>	47.57	
<i>For Elevated Installation >35' To 40', Add</i>	59.47	
<i>For Elevated Installation >40', Add</i>	65.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.68	
26 05 33 13-2576 EA 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	197.15	51.90
<i>For Work In Restricted Working Space, Add</i>	38.92	
<i>For Elevated Installation >10' To 15', Add</i>	12.97	
<i>For Elevated Installation >15' To 20', Add</i>	25.95	
<i>For Elevated Installation >20' To 25', Add</i>	32.44	
<i>For Elevated Installation >25' To 30', Add</i>	45.41	
<i>For Elevated Installation >30' To 35', Add</i>	51.90	
<i>For Elevated Installation >35' To 40', Add</i>	64.87	
<i>For Elevated Installation >40', Add</i>	71.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.92	
26 05 33 13-2577 EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	238.95	63.78
<i>For Work In Restricted Working Space, Add</i>	47.84	
<i>For Elevated Installation >10' To 15', Add</i>	15.95	
<i>For Elevated Installation >15' To 20', Add</i>	31.89	
<i>For Elevated Installation >20' To 25', Add</i>	39.87	
<i>For Elevated Installation >25' To 30', Add</i>	55.81	
<i>For Elevated Installation >30' To 35', Add</i>	63.78	
<i>For Elevated Installation >35' To 40', Add</i>	79.73	
<i>For Elevated Installation >40', Add</i>	87.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.84	
26 05 33 13-2578 EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	431.03	93.51
<i>For Work In Restricted Working Space, Add</i>	70.14	
<i>For Elevated Installation >10' To 15', Add</i>	23.38	
<i>For Elevated Installation >15' To 20', Add</i>	46.76	
<i>For Elevated Installation >20' To 25', Add</i>	58.45	
<i>For Elevated Installation >25' To 30', Add</i>	81.83	
<i>For Elevated Installation >30' To 35', Add</i>	93.52	
<i>For Elevated Installation >35' To 40', Add</i>	116.90	
<i>For Elevated Installation >40', Add</i>	128.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.14	
26 05 33 13-2579 EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	535.11	121.62
<i>For Work In Restricted Working Space, Add</i>	91.22	
<i>For Elevated Installation >10' To 15', Add</i>	30.41	
<i>For Elevated Installation >15' To 20', Add</i>	60.81	
<i>For Elevated Installation >20' To 25', Add</i>	76.02	
<i>For Elevated Installation >25' To 30', Add</i>	106.42	
<i>For Elevated Installation >30' To 35', Add</i>	121.62	
<i>For Elevated Installation >35' To 40', Add</i>	152.03	
<i>For Elevated Installation >40', Add</i>	167.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.22	
26 05 33 13-2580 EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	751.04	150.27
<i>For Work In Restricted Working Space, Add</i>	113.52	
<i>For Elevated Installation >10' To 15', Add</i>	37.84	
<i>For Elevated Installation >15' To 20', Add</i>	75.68	
<i>For Elevated Installation >20' To 25', Add</i>	94.60	
<i>For Elevated Installation >25' To 30', Add</i>	132.44	
<i>For Elevated Installation >30' To 35', Add</i>	151.36	
<i>For Elevated Installation >35' To 40', Add</i>	189.20	
<i>For Elevated Installation >40', Add</i>	208.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.52	
26 05 33 13-2581 EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	905.97	180.55
<i>For Work In Restricted Working Space, Add</i>	135.41	
<i>For Elevated Installation >10' To 15', Add</i>	45.14	
<i>For Elevated Installation >15' To 20', Add</i>	90.27	
<i>For Elevated Installation >20' To 25', Add</i>	112.84	
<i>For Elevated Installation >25' To 30', Add</i>	157.98	
<i>For Elevated Installation >30' To 35', Add</i>	180.55	
<i>For Elevated Installation >35' To 40', Add</i>	225.69	
<i>For Elevated Installation >40', Add</i>	248.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.41	
26 05 33 13-2582 Threaded, Malleable Iron Conduit Body <small>(26 05 33 13-2525)</small>		
Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)		
26 05 33 13-2583 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2582)</small>		
26 05 33 13-2584 EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	76.64	25.94
<i>For Work In Restricted Working Space, Add</i>	19.46	
<i>For Elevated Installation >10' To 15', Add</i>	6.49	
<i>For Elevated Installation >15' To 20', Add</i>	12.97	
<i>For Elevated Installation >20' To 25', Add</i>	16.22	
<i>For Elevated Installation >25' To 30', Add</i>	22.70	
<i>For Elevated Installation >30' To 35', Add</i>	25.95	
<i>For Elevated Installation >35' To 40', Add</i>	32.44	
<i>For Elevated Installation >40', Add</i>	35.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.46	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2585	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	88.74	29.73
			<i>For Work In Restricted Working Space, Add</i>	22.30	
			<i>For Elevated Installation >10' To 15', Add</i>	7.43	
			<i>For Elevated Installation >15' To 20', Add</i>	14.86	
			<i>For Elevated Installation >20' To 25', Add</i>	18.58	
			<i>For Elevated Installation >25' To 30', Add</i>	26.01	
			<i>For Elevated Installation >30' To 35', Add</i>	29.73	
			<i>For Elevated Installation >35' To 40', Add</i>	37.16	
			<i>For Elevated Installation >40', Add</i>	40.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.30	
26 05 33	13-2586	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	107.99	34.59
			<i>For Work In Restricted Working Space, Add</i>	25.95	
			<i>For Elevated Installation >10' To 15', Add</i>	8.65	
			<i>For Elevated Installation >15' To 20', Add</i>	17.30	
			<i>For Elevated Installation >20' To 25', Add</i>	21.62	
			<i>For Elevated Installation >25' To 30', Add</i>	30.27	
			<i>For Elevated Installation >30' To 35', Add</i>	34.60	
			<i>For Elevated Installation >35' To 40', Add</i>	43.25	
			<i>For Elevated Installation >40', Add</i>	47.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.95	
26 05 33	13-2587	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	137.21	39.46
			<i>For Work In Restricted Working Space, Add</i>	29.60	
			<i>For Elevated Installation >10' To 15', Add</i>	9.87	
			<i>For Elevated Installation >15' To 20', Add</i>	19.73	
			<i>For Elevated Installation >20' To 25', Add</i>	24.66	
			<i>For Elevated Installation >25' To 30', Add</i>	34.53	
			<i>For Elevated Installation >30' To 35', Add</i>	39.46	
			<i>For Elevated Installation >35' To 40', Add</i>	49.33	
			<i>For Elevated Installation >40', Add</i>	54.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.60	
26 05 33	13-2588	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	155.41	43.25
			<i>For Work In Restricted Working Space, Add</i>	32.43	
			<i>For Elevated Installation >10' To 15', Add</i>	10.81	
			<i>For Elevated Installation >15' To 20', Add</i>	21.62	
			<i>For Elevated Installation >20' To 25', Add</i>	27.03	
			<i>For Elevated Installation >25' To 30', Add</i>	37.84	
			<i>For Elevated Installation >30' To 35', Add</i>	43.24	
			<i>For Elevated Installation >35' To 40', Add</i>	54.06	
			<i>For Elevated Installation >40', Add</i>	59.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.43	
26 05 33	13-2589	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	208.90	51.90
			<i>For Work In Restricted Working Space, Add</i>	38.92	
			<i>For Elevated Installation >10' To 15', Add</i>	12.97	
			<i>For Elevated Installation >15' To 20', Add</i>	25.95	
			<i>For Elevated Installation >20' To 25', Add</i>	32.44	
			<i>For Elevated Installation >25' To 30', Add</i>	45.41	
			<i>For Elevated Installation >30' To 35', Add</i>	51.90	
			<i>For Elevated Installation >35' To 40', Add</i>	64.87	
			<i>For Elevated Installation >40', Add</i>	71.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.92	
26 05 33	13-2590	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	344.49	72.97
			<i>For Work In Restricted Working Space, Add</i>	54.74	
			<i>For Elevated Installation >10' To 15', Add</i>	18.25	
			<i>For Elevated Installation >15' To 20', Add</i>	36.49	
			<i>For Elevated Installation >20' To 25', Add</i>	45.61	
			<i>For Elevated Installation >25' To 30', Add</i>	63.86	
			<i>For Elevated Installation >30' To 35', Add</i>	72.98	
			<i>For Elevated Installation >35' To 40', Add</i>	91.23	
			<i>For Elevated Installation >40', Add</i>	100.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.74	
26 05 33	13-2591	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	484.99	97.30
			<i>For Work In Restricted Working Space, Add</i>	72.98	
			<i>For Elevated Installation >10' To 15', Add</i>	24.33	
			<i>For Elevated Installation >15' To 20', Add</i>	48.65	
			<i>For Elevated Installation >20' To 25', Add</i>	60.82	
			<i>For Elevated Installation >25' To 30', Add</i>	85.14	
			<i>For Elevated Installation >30' To 35', Add</i>	97.31	
			<i>For Elevated Installation >35' To 40', Add</i>	121.64	
			<i>For Elevated Installation >40', Add</i>	133.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.98	
26 05 33	13-2592	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	661.93	121.62
			<i>For Work In Restricted Working Space, Add</i>	91.22	
			<i>For Elevated Installation >10' To 15', Add</i>	30.41	
			<i>For Elevated Installation >15' To 20', Add</i>	60.81	
			<i>For Elevated Installation >20' To 25', Add</i>	76.02	
			<i>For Elevated Installation >25' To 30', Add</i>	106.42	
			<i>For Elevated Installation >30' To 35', Add</i>	121.63	
			<i>For Elevated Installation >35' To 40', Add</i>	152.04	
			<i>For Elevated Installation >40', Add</i>	167.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2593 EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	793.46 111.09 37.03 74.06 92.57 129.60 148.12 185.15 203.66 111.09	148.12
26 05 33 13-2594 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2582)</small>		
26 05 33 13-2595 EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.36 19.46	25.94
26 05 33 13-2596 EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.54 22.30	29.73
26 05 33 13-2597 EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.14 25.95	34.59
26 05 33 13-2598 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.00 29.60	39.46
26 05 33 13-2599 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.82 32.43	43.25
26 05 33 13-2600 EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	201.91 38.92	51.90
26 05 33 13-2601 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.63 54.74	72.97
26 05 33 13-2602 EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	415.13 72.98	97.30
26 05 33 13-2603 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	703.08 91.22	121.62
26 05 33 13-2604 EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	823.81 111.09	148.12
26 05 33 13-2605 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2582)</small>		
26 05 33 13-2606 EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.74 22.30 7.43 14.86 18.58 26.01 29.73 37.16 40.88 22.30	29.73
26 05 33 13-2607 EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.56 26.35 8.78 17.57 21.96 30.74 35.14 43.92 48.31 26.35	34.59
26 05 33 13-2608 EA 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.95 28.38 9.46 18.92 23.65 33.11 37.84 47.30 52.03 28.38	37.84
26 05 33 13-2609 EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.99 32.03 10.68 21.35 26.69 37.37 42.70 53.38 58.72 32.03	43.25

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2610 EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	182.89	47.57
For Work In Restricted Working Space, Add	35.68	
For Elevated Installation >10' To 15', Add	11.89	
For Elevated Installation >15' To 20', Add	23.79	
For Elevated Installation >20' To 25', Add	29.73	
For Elevated Installation >25' To 30', Add	41.63	
For Elevated Installation >30' To 35', Add	47.57	
For Elevated Installation >35' To 40', Add	59.47	
For Elevated Installation >40', Add	65.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.68	
26 05 33 13-2611 EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	239.41	55.68
For Work In Restricted Working Space, Add	41.76	
For Elevated Installation >10' To 15', Add	13.92	
For Elevated Installation >15' To 20', Add	27.84	
For Elevated Installation >20' To 25', Add	34.80	
For Elevated Installation >25' To 30', Add	48.72	
For Elevated Installation >30' To 35', Add	55.68	
For Elevated Installation >35' To 40', Add	69.60	
For Elevated Installation >40', Add	76.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.76	
26 05 33 13-2612 EA 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	307.85	81.09
For Work In Restricted Working Space, Add	60.81	
For Elevated Installation >10' To 15', Add	20.27	
For Elevated Installation >15' To 20', Add	40.54	
For Elevated Installation >20' To 25', Add	50.68	
For Elevated Installation >25' To 30', Add	70.95	
For Elevated Installation >30' To 35', Add	81.08	
For Elevated Installation >35' To 40', Add	101.36	
For Elevated Installation >40', Add	111.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.81	
26 05 33 13-2613 EA 3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	438.24	105.41
For Work In Restricted Working Space, Add	79.06	
For Elevated Installation >10' To 15', Add	26.35	
For Elevated Installation >15' To 20', Add	52.71	
For Elevated Installation >20' To 25', Add	65.88	
For Elevated Installation >25' To 30', Add	92.24	
For Elevated Installation >30' To 35', Add	105.41	
For Elevated Installation >35' To 40', Add	131.77	
For Elevated Installation >40', Add	144.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.06	
26 05 33 13-2614 EA 3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	742.34	129.74
For Work In Restricted Working Space, Add	97.30	
For Elevated Installation >10' To 15', Add	32.43	
For Elevated Installation >15' To 20', Add	64.87	
For Elevated Installation >20' To 25', Add	81.08	
For Elevated Installation >25' To 30', Add	113.52	
For Elevated Installation >30' To 35', Add	129.73	
For Elevated Installation >35' To 40', Add	162.17	
For Elevated Installation >40', Add	178.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.30	
26 05 33 13-2615 EA 4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	861.85	156.23
For Work In Restricted Working Space, Add	117.57	
For Elevated Installation >10' To 15', Add	39.19	
For Elevated Installation >15' To 20', Add	78.38	
For Elevated Installation >20' To 25', Add	97.98	
For Elevated Installation >25' To 30', Add	137.17	
For Elevated Installation >30' To 35', Add	156.76	
For Elevated Installation >35' To 40', Add	195.96	
For Elevated Installation >40', Add	215.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.57	
26 05 33 13-2616 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2616)</small>		
26 05 33 13-2617 EA 1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	76.84	25.94
For Work In Restricted Working Space, Add	19.46	
For Elevated Installation >10' To 15', Add	6.49	
For Elevated Installation >15' To 20', Add	12.97	
For Elevated Installation >20' To 25', Add	16.22	
For Elevated Installation >25' To 30', Add	22.70	
For Elevated Installation >30' To 35', Add	25.95	
For Elevated Installation >35' To 40', Add	32.44	
For Elevated Installation >40', Add	35.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.46	
26 05 33 13-2618 EA 3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	92.28	29.73
For Work In Restricted Working Space, Add	22.30	
For Elevated Installation >10' To 15', Add	7.43	
For Elevated Installation >15' To 20', Add	14.87	
For Elevated Installation >20' To 25', Add	18.58	
For Elevated Installation >25' To 30', Add	26.02	
For Elevated Installation >30' To 35', Add	29.73	
For Elevated Installation >35' To 40', Add	37.17	
For Elevated Installation >40', Add	40.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2619 EA 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	107.61	34.05
For Work In Restricted Working Space, Add	25.54	
For Elevated Installation >10' To 15', Add	8.51	
For Elevated Installation >15' To 20', Add	17.03	
For Elevated Installation >20' To 25', Add	21.29	
For Elevated Installation >25' To 30', Add	29.80	
For Elevated Installation >30' To 35', Add	34.06	
For Elevated Installation >35' To 40', Add	42.57	
For Elevated Installation >40', Add	46.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.54	
26 05 33 13-2620 EA 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	142.35	39.46
For Work In Restricted Working Space, Add	29.60	
For Elevated Installation >10' To 15', Add	9.87	
For Elevated Installation >15' To 20', Add	19.73	
For Elevated Installation >20' To 25', Add	24.67	
For Elevated Installation >25' To 30', Add	34.53	
For Elevated Installation >30' To 35', Add	39.46	
For Elevated Installation >35' To 40', Add	49.33	
For Elevated Installation >40', Add	54.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 05 33 13-2621 EA 1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	165.03	43.25
For Work In Restricted Working Space, Add	32.43	
For Elevated Installation >10' To 15', Add	10.81	
For Elevated Installation >15' To 20', Add	21.62	
For Elevated Installation >20' To 25', Add	27.03	
For Elevated Installation >25' To 30', Add	37.84	
For Elevated Installation >30' To 35', Add	43.24	
For Elevated Installation >35' To 40', Add	54.06	
For Elevated Installation >40', Add	59.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.43	
26 05 33 13-2622 EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	211.65	51.90
For Work In Restricted Working Space, Add	38.92	
For Elevated Installation >10' To 15', Add	12.97	
For Elevated Installation >15' To 20', Add	25.95	
For Elevated Installation >20' To 25', Add	32.44	
For Elevated Installation >25' To 30', Add	45.41	
For Elevated Installation >30' To 35', Add	51.90	
For Elevated Installation >35' To 40', Add	64.87	
For Elevated Installation >40', Add	71.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.92	
26 05 33 13-2623 EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	482.88	136.89
For Work In Restricted Working Space, Add	102.63	
For Elevated Installation >10' To 15', Add	34.21	
For Elevated Installation >15' To 20', Add	68.42	
For Elevated Installation >20' To 25', Add	85.52	
For Elevated Installation >25' To 30', Add	119.73	
For Elevated Installation >30' To 35', Add	136.84	
For Elevated Installation >35' To 40', Add	171.05	
For Elevated Installation >40', Add	188.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.63	
26 05 33 13-2624 EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	444.47	97.30
For Work In Restricted Working Space, Add	72.98	
For Elevated Installation >10' To 15', Add	24.33	
For Elevated Installation >15' To 20', Add	48.65	
For Elevated Installation >20' To 25', Add	60.82	
For Elevated Installation >25' To 30', Add	85.14	
For Elevated Installation >30' To 35', Add	97.31	
For Elevated Installation >35' To 40', Add	121.64	
For Elevated Installation >40', Add	133.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.98	
26 05 33 13-2625 EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	703.08	121.62
For Work In Restricted Working Space, Add	91.22	
For Elevated Installation >10' To 15', Add	30.41	
For Elevated Installation >15' To 20', Add	60.81	
For Elevated Installation >20' To 25', Add	76.02	
For Elevated Installation >25' To 30', Add	106.42	
For Elevated Installation >30' To 35', Add	121.63	
For Elevated Installation >35' To 40', Add	152.04	
For Elevated Installation >40', Add	167.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.22	
26 05 33 13-2626 EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	823.79	148.12
For Work In Restricted Working Space, Add	111.08	
For Elevated Installation >10' To 15', Add	37.03	
For Elevated Installation >15' To 20', Add	74.05	
For Elevated Installation >20' To 25', Add	92.57	
For Elevated Installation >25' To 30', Add	129.59	
For Elevated Installation >30' To 35', Add	148.11	
For Elevated Installation >35' To 40', Add	185.14	
For Elevated Installation >40', Add	203.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	111.08	

26 05 33 13-2627 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2582)

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2628	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	106.67	34.05
			<i>For Work In Restricted Working Space, Add</i>	25.54	
			<i>For Elevated Installation >10' To 15', Add</i>	8.51	
			<i>For Elevated Installation >15' To 20', Add</i>	17.03	
			<i>For Elevated Installation >20' To 25', Add</i>	21.29	
			<i>For Elevated Installation >25' To 30', Add</i>	29.80	
			<i>For Elevated Installation >30' To 35', Add</i>	34.06	
			<i>For Elevated Installation >35' To 40', Add</i>	42.57	
			<i>For Elevated Installation >40', Add</i>	46.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.54	
26 05 33	13-2629	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	116.93	37.84
			<i>For Work In Restricted Working Space, Add</i>	28.38	
			<i>For Elevated Installation >10' To 15', Add</i>	9.46	
			<i>For Elevated Installation >15' To 20', Add</i>	18.92	
			<i>For Elevated Installation >20' To 25', Add</i>	23.65	
			<i>For Elevated Installation >25' To 30', Add</i>	33.11	
			<i>For Elevated Installation >30' To 35', Add</i>	37.84	
			<i>For Elevated Installation >35' To 40', Add</i>	47.30	
			<i>For Elevated Installation >40', Add</i>	52.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.38	
26 05 33	13-2630	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	134.71	41.63
			<i>For Work In Restricted Working Space, Add</i>	31.22	
			<i>For Elevated Installation >10' To 15', Add</i>	10.41	
			<i>For Elevated Installation >15' To 20', Add</i>	20.81	
			<i>For Elevated Installation >20' To 25', Add</i>	26.02	
			<i>For Elevated Installation >25' To 30', Add</i>	36.42	
			<i>For Elevated Installation >30' To 35', Add</i>	41.62	
			<i>For Elevated Installation >35' To 40', Add</i>	52.03	
			<i>For Elevated Installation >40', Add</i>	57.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.22	
26 05 33	13-2631	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	159.40	47.57
			<i>For Work In Restricted Working Space, Add</i>	35.68	
			<i>For Elevated Installation >10' To 15', Add</i>	11.89	
			<i>For Elevated Installation >15' To 20', Add</i>	23.79	
			<i>For Elevated Installation >20' To 25', Add</i>	29.73	
			<i>For Elevated Installation >25' To 30', Add</i>	41.63	
			<i>For Elevated Installation >30' To 35', Add</i>	47.57	
			<i>For Elevated Installation >35' To 40', Add</i>	59.47	
			<i>For Elevated Installation >40', Add</i>	65.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.68	
26 05 33	13-2632	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	182.55	51.90
			<i>For Work In Restricted Working Space, Add</i>	38.92	
			<i>For Elevated Installation >10' To 15', Add</i>	12.97	
			<i>For Elevated Installation >15' To 20', Add</i>	25.95	
			<i>For Elevated Installation >20' To 25', Add</i>	32.44	
			<i>For Elevated Installation >25' To 30', Add</i>	45.41	
			<i>For Elevated Installation >30' To 35', Add</i>	51.90	
			<i>For Elevated Installation >35' To 40', Add</i>	64.87	
			<i>For Elevated Installation >40', Add</i>	71.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.92	
26 05 33	13-2633	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	251.39	63.78
			<i>For Work In Restricted Working Space, Add</i>	47.84	
			<i>For Elevated Installation >10' To 15', Add</i>	15.95	
			<i>For Elevated Installation >15' To 20', Add</i>	31.89	
			<i>For Elevated Installation >20' To 25', Add</i>	39.87	
			<i>For Elevated Installation >25' To 30', Add</i>	55.81	
			<i>For Elevated Installation >30' To 35', Add</i>	63.78	
			<i>For Elevated Installation >35' To 40', Add</i>	79.73	
			<i>For Elevated Installation >40', Add</i>	87.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.84	
26 05 33	13-2634	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	397.94	93.51
			<i>For Work In Restricted Working Space, Add</i>	70.14	
			<i>For Elevated Installation >10' To 15', Add</i>	23.38	
			<i>For Elevated Installation >15' To 20', Add</i>	46.76	
			<i>For Elevated Installation >20' To 25', Add</i>	58.45	
			<i>For Elevated Installation >25' To 30', Add</i>	81.83	
			<i>For Elevated Installation >30' To 35', Add</i>	93.52	
			<i>For Elevated Installation >35' To 40', Add</i>	116.90	
			<i>For Elevated Installation >40', Add</i>	128.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.14	
26 05 33	13-2635	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	576.82	121.62
			<i>For Work In Restricted Working Space, Add</i>	91.22	
			<i>For Elevated Installation >10' To 15', Add</i>	30.41	
			<i>For Elevated Installation >15' To 20', Add</i>	60.81	
			<i>For Elevated Installation >20' To 25', Add</i>	76.02	
			<i>For Elevated Installation >25' To 30', Add</i>	106.42	
			<i>For Elevated Installation >30' To 35', Add</i>	121.62	
			<i>For Elevated Installation >35' To 40', Add</i>	152.03	
			<i>For Elevated Installation >40', Add</i>	167.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2636 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	847.36	150.27
For Work In Restricted Working Space, Add	112.71	
For Elevated Installation >10' To 15', Add	37.57	
For Elevated Installation >15' To 20', Add	75.14	
For Elevated Installation >20' To 25', Add	93.92	
For Elevated Installation >25' To 30', Add	131.49	
For Elevated Installation >30' To 35', Add	150.28	
For Elevated Installation >35' To 40', Add	187.85	
For Elevated Installation >40', Add	206.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.71	
26 05 33 13-2637 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	952.17	180.55
For Work In Restricted Working Space, Add	135.41	
For Elevated Installation >10' To 15', Add	45.14	
For Elevated Installation >15' To 20', Add	90.27	
For Elevated Installation >20' To 25', Add	112.84	
For Elevated Installation >25' To 30', Add	157.98	
For Elevated Installation >30' To 35', Add	180.55	
For Elevated Installation >35' To 40', Add	225.69	
For Elevated Installation >40', Add	248.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.41	
26 05 33 13-2638 Set Screw, Cast Aluminum Conduit Body <small>(26 05 33 13-2625)</small>		
Note: For use with Electrical Metallic Tubing (EMT)		
26 05 33 13-2639 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2638)</small>		
26 05 33 13-2640 EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	35.88	10.27
For Work In Restricted Working Space, Add	7.70	
For Elevated Installation >10' To 15', Add	2.57	
For Elevated Installation >15' To 20', Add	5.13	
For Elevated Installation >20' To 25', Add	6.42	
For Elevated Installation >25' To 30', Add	8.98	
For Elevated Installation >30' To 35', Add	10.27	
For Elevated Installation >35' To 40', Add	12.84	
For Elevated Installation >40', Add	14.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-2641 EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	46.05	13.52
For Work In Restricted Working Space, Add	10.13	
For Elevated Installation >10' To 15', Add	3.38	
For Elevated Installation >15' To 20', Add	6.76	
For Elevated Installation >20' To 25', Add	8.45	
For Elevated Installation >25' To 30', Add	11.82	
For Elevated Installation >30' To 35', Add	13.51	
For Elevated Installation >35' To 40', Add	16.89	
For Elevated Installation >40', Add	18.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 05 33 13-2642 EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	61.72	16.75
For Work In Restricted Working Space, Add	12.57	
For Elevated Installation >10' To 15', Add	4.19	
For Elevated Installation >15' To 20', Add	8.38	
For Elevated Installation >20' To 25', Add	10.48	
For Elevated Installation >25' To 30', Add	14.67	
For Elevated Installation >30' To 35', Add	16.76	
For Elevated Installation >35' To 40', Add	20.95	
For Elevated Installation >40', Add	23.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.57	
26 05 33 13-2643 EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	79.55	20.54
For Work In Restricted Working Space, Add	15.41	
For Elevated Installation >10' To 15', Add	5.14	
For Elevated Installation >15' To 20', Add	10.27	
For Elevated Installation >20' To 25', Add	12.84	
For Elevated Installation >25' To 30', Add	17.98	
For Elevated Installation >30' To 35', Add	20.54	
For Elevated Installation >35' To 40', Add	25.68	
For Elevated Installation >40', Add	28.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.41	
26 05 33 13-2644 EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	103.30	23.79
For Work In Restricted Working Space, Add	17.84	
For Elevated Installation >10' To 15', Add	5.95	
For Elevated Installation >15' To 20', Add	11.89	
For Elevated Installation >20' To 25', Add	14.87	
For Elevated Installation >25' To 30', Add	20.81	
For Elevated Installation >30' To 35', Add	23.78	
For Elevated Installation >35' To 40', Add	29.73	
For Elevated Installation >40', Add	32.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.84	
26 05 33 13-2645 EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	135.04	27.03
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2646			Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2638)</small>		
26 05 33 13-2647	EA		1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	36.16	10.27
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Elevated Installation >10' To 15', Add</i>	2.57	
			<i>For Elevated Installation >15' To 20', Add</i>	5.13	
			<i>For Elevated Installation >20' To 25', Add</i>	6.42	
			<i>For Elevated Installation >25' To 30', Add</i>	8.98	
			<i>For Elevated Installation >30' To 35', Add</i>	10.27	
			<i>For Elevated Installation >35' To 40', Add</i>	12.84	
			<i>For Elevated Installation >40', Add</i>	14.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-2648	EA		3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	47.14	13.52
			<i>For Work In Restricted Working Space, Add</i>	10.13	
			<i>For Elevated Installation >10' To 15', Add</i>	3.38	
			<i>For Elevated Installation >15' To 20', Add</i>	6.76	
			<i>For Elevated Installation >20' To 25', Add</i>	8.45	
			<i>For Elevated Installation >25' To 30', Add</i>	11.82	
			<i>For Elevated Installation >30' To 35', Add</i>	13.51	
			<i>For Elevated Installation >35' To 40', Add</i>	16.89	
			<i>For Elevated Installation >40', Add</i>	18.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 33 13-2649	EA		1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	57.96	16.75
			<i>For Work In Restricted Working Space, Add</i>	12.57	
			<i>For Elevated Installation >10' To 15', Add</i>	4.19	
			<i>For Elevated Installation >15' To 20', Add</i>	8.38	
			<i>For Elevated Installation >20' To 25', Add</i>	10.48	
			<i>For Elevated Installation >25' To 30', Add</i>	14.67	
			<i>For Elevated Installation >30' To 35', Add</i>	16.76	
			<i>For Elevated Installation >35' To 40', Add</i>	20.95	
			<i>For Elevated Installation >40', Add</i>	23.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.57	
26 05 33 13-2650	EA		1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	79.23	20.54
			<i>For Work In Restricted Working Space, Add</i>	15.41	
			<i>For Elevated Installation >10' To 15', Add</i>	5.14	
			<i>For Elevated Installation >15' To 20', Add</i>	10.27	
			<i>For Elevated Installation >20' To 25', Add</i>	12.84	
			<i>For Elevated Installation >25' To 30', Add</i>	17.98	
			<i>For Elevated Installation >30' To 35', Add</i>	20.54	
			<i>For Elevated Installation >35' To 40', Add</i>	25.68	
			<i>For Elevated Installation >40', Add</i>	28.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.41	
26 05 33 13-2651	EA		1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	97.07	23.79
			<i>For Work In Restricted Working Space, Add</i>	17.84	
			<i>For Elevated Installation >10' To 15', Add</i>	5.95	
			<i>For Elevated Installation >15' To 20', Add</i>	11.89	
			<i>For Elevated Installation >20' To 25', Add</i>	14.87	
			<i>For Elevated Installation >25' To 30', Add</i>	20.81	
			<i>For Elevated Installation >30' To 35', Add</i>	23.78	
			<i>For Elevated Installation >35' To 40', Add</i>	29.73	
			<i>For Elevated Installation >40', Add</i>	32.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.84	
26 05 33 13-2652	EA		2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	134.51	27.03
			<i>For Work In Restricted Working Space, Add</i>	20.27	
			<i>For Elevated Installation >10' To 15', Add</i>	6.76	
			<i>For Elevated Installation >15' To 20', Add</i>	13.51	
			<i>For Elevated Installation >20' To 25', Add</i>	16.89	
			<i>For Elevated Installation >25' To 30', Add</i>	23.65	
			<i>For Elevated Installation >30' To 35', Add</i>	27.03	
			<i>For Elevated Installation >35' To 40', Add</i>	33.79	
			<i>For Elevated Installation >40', Add</i>	37.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.27	
26 05 33 13-2653			Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <small>05 33 13-2638)</small>		
26 05 33 13-2654	EA		1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	46.64	13.52
			<i>For Work In Restricted Working Space, Add</i>	10.13	
			<i>For Elevated Installation >10' To 15', Add</i>	3.38	
			<i>For Elevated Installation >15' To 20', Add</i>	6.76	
			<i>For Elevated Installation >20' To 25', Add</i>	8.45	
			<i>For Elevated Installation >25' To 30', Add</i>	11.82	
			<i>For Elevated Installation >30' To 35', Add</i>	13.51	
			<i>For Elevated Installation >35' To 40', Add</i>	16.89	
			<i>For Elevated Installation >40', Add</i>	18.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2655 EA 3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	60.43	16.75
<i>For Work In Restricted Working Space, Add</i>	12.57	
<i>For Elevated Installation >10' To 15', Add</i>	4.19	
<i>For Elevated Installation >15' To 20', Add</i>	8.38	
<i>For Elevated Installation >20' To 25', Add</i>	10.48	
<i>For Elevated Installation >25' To 30', Add</i>	14.67	
<i>For Elevated Installation >30' To 35', Add</i>	16.76	
<i>For Elevated Installation >35' To 40', Add</i>	20.95	
<i>For Elevated Installation >40', Add</i>	23.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.57	
26 05 33 13-2656 EA 1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	73.02	20.54
<i>For Work In Restricted Working Space, Add</i>	15.41	
<i>For Elevated Installation >10' To 15', Add</i>	5.14	
<i>For Elevated Installation >15' To 20', Add</i>	10.27	
<i>For Elevated Installation >20' To 25', Add</i>	12.84	
<i>For Elevated Installation >25' To 30', Add</i>	17.98	
<i>For Elevated Installation >30' To 35', Add</i>	20.54	
<i>For Elevated Installation >35' To 40', Add</i>	25.68	
<i>For Elevated Installation >40', Add</i>	28.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.41	
26 05 33 13-2657 EA 1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	99.56	23.79
<i>For Work In Restricted Working Space, Add</i>	18.65	
<i>For Elevated Installation >10' To 15', Add</i>	6.22	
<i>For Elevated Installation >15' To 20', Add</i>	12.43	
<i>For Elevated Installation >20' To 25', Add</i>	15.54	
<i>For Elevated Installation >25' To 30', Add</i>	21.76	
<i>For Elevated Installation >30' To 35', Add</i>	24.87	
<i>For Elevated Installation >35' To 40', Add</i>	31.09	
<i>For Elevated Installation >40', Add</i>	34.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.65	
26 05 33 13-2658 EA 1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	126.57	27.03
<i>For Work In Restricted Working Space, Add</i>	21.89	
<i>For Elevated Installation >10' To 15', Add</i>	7.30	
<i>For Elevated Installation >15' To 20', Add</i>	14.59	
<i>For Elevated Installation >20' To 25', Add</i>	18.24	
<i>For Elevated Installation >25' To 30', Add</i>	25.54	
<i>For Elevated Installation >30' To 35', Add</i>	29.19	
<i>For Elevated Installation >35' To 40', Add</i>	36.49	
<i>For Elevated Installation >40', Add</i>	40.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.89	
26 05 33 13-2659 EA 2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	168.01	30.27
<i>For Work In Restricted Working Space, Add</i>	25.13	
<i>For Elevated Installation >10' To 15', Add</i>	8.38	
<i>For Elevated Installation >15' To 20', Add</i>	16.76	
<i>For Elevated Installation >20' To 25', Add</i>	20.95	
<i>For Elevated Installation >25' To 30', Add</i>	29.32	
<i>For Elevated Installation >30' To 35', Add</i>	33.51	
<i>For Elevated Installation >35' To 40', Add</i>	41.89	
<i>For Elevated Installation >40', Add</i>	46.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.13	
26 05 33 13-2660 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2638)</small>		
26 05 33 13-2661 EA 1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	37.08	10.27
<i>For Work In Restricted Working Space, Add</i>	7.70	
<i>For Elevated Installation >10' To 15', Add</i>	2.57	
<i>For Elevated Installation >15' To 20', Add</i>	5.13	
<i>For Elevated Installation >20' To 25', Add</i>	6.42	
<i>For Elevated Installation >25' To 30', Add</i>	8.98	
<i>For Elevated Installation >30' To 35', Add</i>	10.27	
<i>For Elevated Installation >35' To 40', Add</i>	12.84	
<i>For Elevated Installation >40', Add</i>	14.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-2662 EA 3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	49.53	13.52
<i>For Work In Restricted Working Space, Add</i>	10.13	
<i>For Elevated Installation >10' To 15', Add</i>	3.38	
<i>For Elevated Installation >15' To 20', Add</i>	6.76	
<i>For Elevated Installation >20' To 25', Add</i>	8.45	
<i>For Elevated Installation >25' To 30', Add</i>	11.82	
<i>For Elevated Installation >30' To 35', Add</i>	13.51	
<i>For Elevated Installation >35' To 40', Add</i>	16.89	
<i>For Elevated Installation >40', Add</i>	18.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 33 13-2663 EA 1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	63.08	16.75
<i>For Work In Restricted Working Space, Add</i>	12.57	
<i>For Elevated Installation >10' To 15', Add</i>	4.19	
<i>For Elevated Installation >15' To 20', Add</i>	8.38	
<i>For Elevated Installation >20' To 25', Add</i>	10.48	
<i>For Elevated Installation >25' To 30', Add</i>	14.67	
<i>For Elevated Installation >30' To 35', Add</i>	16.76	
<i>For Elevated Installation >35' To 40', Add</i>	20.95	
<i>For Elevated Installation >40', Add</i>	23.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.57	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2664 EA 1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	81.17	20.54
<i>For Work In Restricted Working Space, Add</i>	15.41	
<i>For Elevated Installation >10' To 15', Add</i>	5.14	
<i>For Elevated Installation >15' To 20', Add</i>	10.27	
<i>For Elevated Installation >20' To 25', Add</i>	12.84	
<i>For Elevated Installation >25' To 30', Add</i>	17.98	
<i>For Elevated Installation >30' To 35', Add</i>	20.54	
<i>For Elevated Installation >35' To 40', Add</i>	25.68	
<i>For Elevated Installation >40', Add</i>	28.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.41	
26 05 33 13-2665 EA 1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	98.19	23.79
<i>For Work In Restricted Working Space, Add</i>	17.84	
<i>For Elevated Installation >10' To 15', Add</i>	5.95	
<i>For Elevated Installation >15' To 20', Add</i>	11.89	
<i>For Elevated Installation >20' To 25', Add</i>	14.87	
<i>For Elevated Installation >25' To 30', Add</i>	20.81	
<i>For Elevated Installation >30' To 35', Add</i>	23.78	
<i>For Elevated Installation >35' To 40', Add</i>	29.73	
<i>For Elevated Installation >40', Add</i>	32.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.84	
26 05 33 13-2666 EA 2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	144.91	27.03
<i>For Work In Restricted Working Space, Add</i>	20.27	
<i>For Elevated Installation >10' To 15', Add</i>	6.76	
<i>For Elevated Installation >15' To 20', Add</i>	13.51	
<i>For Elevated Installation >20' To 25', Add</i>	16.89	
<i>For Elevated Installation >25' To 30', Add</i>	23.65	
<i>For Elevated Installation >30' To 35', Add</i>	27.03	
<i>For Elevated Installation >35' To 40', Add</i>	33.79	
<i>For Elevated Installation >40', Add</i>	37.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.27	
26 05 33 13-2667 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-2525)		
26 05 33 13-2668 EA 3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120).....	171.39	29.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.22	
26 05 33 13-2669 EA 1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	615.47	54.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.07	
26 05 33 13-2670 EA 3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400).....	1,186.49	111.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.32	
26 05 33 13-2671 Replacement Covers And Gaskets For Conduit Body (26 05 33 13-2629)		
26 05 33 13-2672 Replacement Stamped Aluminum Conduit Body Cover (26 05 33 13-2671)		
26 05 33 13-2673 EA 1/2" Replacement Stamped Aluminum Conduit Body Cover	13.41	5.27
26 05 33 13-2674 EA 3/4" Replacement Stamped Aluminum Conduit Body Cover	16.32	6.15
26 05 33 13-2675 EA 1" Replacement Stamped Aluminum Conduit Body Cover	20.91	7.91
26 05 33 13-2676 EA 1-1/4" Replacement Stamped Aluminum Conduit Body Cover	25.46	9.66
26 05 33 13-2677 EA 1-1/2" Replacement Stamped Aluminum Conduit Body Cover	31.16	11.42
26 05 33 13-2678 EA 2" Replacement Stamped Aluminum Conduit Body Cover	36.83	13.18
26 05 33 13-2679 EA 2-1/2" Replacement Stamped Aluminum Conduit Body Cover	47.98	14.93
26 05 33 13-2680 EA 3" Replacement Stamped Aluminum Conduit Body Cover	62.75	21.08
26 05 33 13-2681 EA 3-1/2" Replacement Stamped Aluminum Conduit Body Cover	68.17	23.72
26 05 33 13-2682 EA 4" Replacement Stamped Aluminum Conduit Body Cover	85.86	29.86
26 05 33 13-2683 Replacement Cast Steel Conduit Body Cover (26 05 33 13-2671)		
26 05 33 13-2684 EA 1/2" Replacement Cast Steel Conduit Body Cover	15.37	5.27
26 05 33 13-2685 EA 3/4" Replacement Cast Steel Conduit Body Cover	18.02	6.15
26 05 33 13-2686 EA 1" Replacement Cast Steel Conduit Body Cover	25.12	7.91
26 05 33 13-2687 EA 1-1/4" Replacement Cast Steel Conduit Body Cover	31.16	9.66
26 05 33 13-2688 EA 1-1/2" Replacement Cast Steel Conduit Body Cover	37.80	11.42
26 05 33 13-2689 EA 2" Replacement Cast Steel Conduit Body Cover	44.42	13.18
26 05 33 13-2690 EA 2-1/2" Replacement Cast Steel Conduit Body Cover	51.00	14.93
26 05 33 13-2691 EA 3" Replacement Cast Steel Conduit Body Cover	69.87	21.08
26 05 33 13-2692 EA 3-1/2" Replacement Cast Steel Conduit Body Cover	79.39	23.72
26 05 33 13-2693 EA 4" Replacement Cast Steel Conduit Body Cover	100.06	29.86
26 05 33 13-2694 Replacement Velbuna Composition Conduit Body Gasket (26 05 33 13-2671)		
26 05 33 13-2695 EA 1/2" Replacement Velbuna Composition Conduit Body Gasket	12.54	5.27
26 05 33 13-2696 EA 3/4" Replacement Velbuna Composition Conduit Body Gasket	14.36	6.15
26 05 33 13-2697 EA 1" Replacement Velbuna Composition Conduit Body Gasket	18.72	7.91
26 05 33 13-2698 EA 1-1/4" Replacement Velbuna Composition Conduit Body Gasket	24.14	9.66
26 05 33 13-2699 EA 1-1/2" Replacement Velbuna Composition Conduit Body Gasket	27.66	11.42
26 05 33 13-2700 EA 2" Replacement Velbuna Composition Conduit Body Gasket	32.79	13.18
26 05 33 13-2701 EA 2-1/2" Replacement Velbuna Composition Conduit Body Gasket	42.45	14.93
26 05 33 13-2702 EA 3" Replacement Velbuna Composition Conduit Body Gasket	55.84	21.08
26 05 33 13-2703 EA 3-1/2" Replacement Velbuna Composition Conduit Body Gasket	61.63	23.72
26 05 33 13-2704 EA 4" Replacement Velbuna Composition Conduit Body Gasket	73.79	29.86



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

26 05 33 13-2705	Replacement Neoprene Conduit Body Gasket <small>(26 05 33 13-2671)</small>				
26 05 33 13-2706	EA	1/2"	Replacement Neoprene Conduit Body Gasket.....	13.90	5.27
26 05 33 13-2707	EA	3/4"	Replacement Neoprene Conduit Body Gasket.....	15.66	6.15
26 05 33 13-2708	EA	1"	Replacement Neoprene Conduit Body Gasket.....	20.43	7.91
26 05 33 13-2709	EA	1-1/4"	Replacement Neoprene Conduit Body Gasket.....	25.01	9.66
26 05 33 13-2710	EA	1-1/2"	Replacement Neoprene Conduit Body Gasket.....	28.53	11.42
26 05 33 13-2711	EA	2"	Replacement Neoprene Conduit Body Gasket.....	32.87	13.18
26 05 33 13-2712	EA	2-1/2"	Replacement Neoprene Conduit Body Gasket.....	42.67	14.93
26 05 33 13-2713	EA	3"	Replacement Neoprene Conduit Body Gasket.....	56.06	21.08
26 05 33 13-2714	EA	3-1/2"	Replacement Neoprene Conduit Body Gasket.....	63.08	23.72
26 05 33 13-2715	EA	4"	Replacement Neoprene Conduit Body Gasket.....	75.24	29.86

26 05 33 16 Boxes for Electrical Systems (26 05 33)
 See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

26 05 33 16-0001	Steel Junction, Device, And Fixture Boxes, Rings And Covers <small>(26 05 33 16)</small>				
<small>Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0134 for steel box/switch assemblies.</small>					

26 05 33 16-0002	4" Square Steel Boxes, Rings And Covers <small>(26 05 33 16-0001)</small>				
26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box.....	49.30	22.19	
		<i>For Stud Bracket, Add</i>	1.21		
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box.....	51.54	22.19	
		<i>For Stud Bracket, Add</i>	2.17		
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box.....	59.23	22.19	
		<i>For Stud Bracket, Add</i>	2.37		
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring.....	40.54	14.79	
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring.....	32.76	14.79	
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	17.14	7.39	
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	17.50	7.39	
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	17.76	7.39	
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	18.59	7.39	
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	18.83	7.39	
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	21.49	7.39	
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	18.15	7.39	
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	18.41	7.39	
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	18.72	7.39	
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	21.45	7.39	
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	22.01	7.39	
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	25.47	7.39	
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	19.48	7.39	
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings.....	21.68	7.39	
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover.....	18.11	7.39	
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	18.31	7.39	
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	18.06	7.39	
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	18.65	7.39	
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	19.14	7.39	
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	25.24	7.39	
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	19.05	7.39	
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	25.24	7.39	
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	19.05	7.39	
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	20.48	7.39	
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	25.24	7.39	
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	25.24	7.39	
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover.....	16.37	7.39	

26 05 33 16-0035	4-11/16" Square Steel Boxes, Rings And Covers <small>(26 05 33 16-0001)</small>				
26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box.....	57.59	22.19	
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box.....	52.52	22.19	
		<i>For Stud Bracket, Add</i>	1.14		
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box.....	77.98	22.19	
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring.....	42.66	14.79	
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring.....	43.91	14.79	
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	22.21	7.39	
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	22.27	7.39	
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	24.43	7.39	
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	23.56	7.39	
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	23.37	7.39	
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	32.36	7.39	
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	23.93	7.39	
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	24.40	7.39	
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	24.43	7.39	
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	27.61	7.39	
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	28.27	7.39	
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	35.97	7.39	
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	23.51	7.39	
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	23.74	7.39	
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	29.70	7.39	
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	31.37	7.39	
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	29.21	7.39	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0058 EA Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	27.39	7.39
26 05 33 16-0059 EA One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	33.48	7.39
26 05 33 16-0060 EA One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	31.36	7.39
26 05 33 16-0061 EA One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	31.36	7.39
26 05 33 16-0062 EA One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	31.36	7.39
26 05 33 16-0063 EA Flat, 4-11/16" Square Steel Exposed Work Cover.....	17.73	7.39
26 05 33 16-0064 Steel Square Box Brackets (26 05 33 16-0001)		
26 05 33 16-0065 EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	24.49	11.10
26 05 33 16-0066 EA Single Box Bracket, One 4" Or 4-11/16" Square Box.....	18.32	7.40
26 05 33 16-0067 EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	29.89	11.10
26 05 33 16-0068 EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	32.67	11.10
26 05 33 16-0069 4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33 16-0070 EA 1-1/2" Depth, 4" Steel Octagon Box.....	41.02	18.48
For Stud Bracket, Add	2.94	
26 05 33 16-0071 EA 2-1/8" Depth, 4" Steel Octagon Box.....	42.98	18.48
26 05 33 16-0072 EA Flat, 4" Octagon Steel Exposed Work Cover.....	16.24	7.39
26 05 33 16-0073 4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
Note: Placed in concrete slabs or walls.		
26 05 33 16-0074 EA 2" Depth, 4" Steel Octagonal Concrete Ring.....	68.02	
26 05 33 16-0075 EA 2-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	72.44	
26 05 33 16-0076 EA 3" Depth, 4" Steel Octagonal Concrete Ring.....	75.77	
26 05 33 16-0077 EA 3-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	78.99	
26 05 33 16-0078 EA 4" Depth, 4" Steel Octagonal Concrete Ring.....	87.34	
26 05 33 16-0079 EA 5" Depth, 4" Steel Octagonal Concrete Ring.....	96.04	
26 05 33 16-0080 EA 6" Depth, 4" Steel Octagonal Concrete Ring.....	102.59	
26 05 33 16-0081 EA Flat, 4" Steel Octagonal Concrete Cover.....	18.94	7.39
26 05 33 16-0082 4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
26 05 33 16-0083 EA 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	68.77	18.48
26 05 33 16-0084 EA 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	75.77	19.97
26 05 33 16-0085 EA 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	92.34	22.19
26 05 33 16-0086 EA 5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	123.61	24.40
26 05 33 16-0087 EA 6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	189.82	26.62
26 05 33 16-0088 EA 2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	99.04	18.48
26 05 33 16-0089 EA 3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	108.02	19.97
26 05 33 16-0090 EA 4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	146.80	22.19
26 05 33 16-0091 EA 5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	191.33	24.40
26 05 33 16-0092 EA 6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	323.71	26.62
26 05 33 16-0093 EA 2 Device, Gang Box Mud Ring.....	30.53	7.39
26 05 33 16-0094 EA 3 Device, Gang Box Mud Ring.....	31.04	7.39
26 05 33 16-0095 EA 4 Device, Gang Box Mud Ring.....	36.87	7.39
26 05 33 16-0096 EA 5 Device, Gang Box Mud Ring.....	46.90	7.39
26 05 33 16-0097 EA 6 Device, Gang Box Mud Ring.....	68.89	7.39
26 05 33 16-0098 EA 2 Device, Gang Box Flat Cover.....	25.52	7.39
26 05 33 16-0099 EA 3 Device, Gang Box Flat Cover.....	30.98	7.39
26 05 33 16-0100 EA 4 Device, Gang Box Flat Cover.....	38.23	7.39
26 05 33 16-0101 EA 5 Device, Gang Box Flat Cover.....	47.46	7.39
26 05 33 16-0102 EA 6 Device, Gang Box Flat Cover.....	70.45	7.39
26 05 33 16-0103 Steel Switch Boxes (26 05 33 16-0001)		
26 05 33 16-0104 EA 2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	44.79	18.48
26 05 33 16-0105 EA 2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	45.64	18.48
26 05 33 16-0106 EA 3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	50.01	18.48
26 05 33 16-0107 EA 2-1/2" Depth, 2 Device, Stud Bracket, Steel Box.....	59.83	18.48
26 05 33 16-0108 EA 2-1/2" Depth, 3 Device, Stud Bracket, Steel Box.....	60.68	18.48
26 05 33 16-0109 EA 2-1/2" Depth, 4 Device, Stud Bracket, Steel Box.....	73.98	18.48
26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0111 EA 1-1/2" Deep, 4" x 2" Steel Handy Box.....	40.80	18.48
For Stud Bracket, Add	4.73	
26 05 33 16-0112 EA 1-7/8" Deep, 4" x 2" Steel Handy Box.....	41.71	18.48
For Stud Bracket, Add	2.04	
26 05 33 16-0113 EA 2-1/8" Deep, 4" x 2" Steel Handy Box.....	43.72	18.48
For Stud Bracket, Add	2.77	
26 05 33 16-0114 EA 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring.....	27.68	11.09
26 05 33 16-0115 EA 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring.....	26.78	11.09
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover.....	9.37	3.70
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	9.54	3.70
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	8.69	3.70
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....	8.75	3.70
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	10.48	3.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover	8.75	3.70
26 05 33 16-0122 3"-1/2" Depth, 3-3/4" Steel Masonry Boxes <small>(26 05 33 16-0001)</small>		
26 05 33 16-0123 EA 1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	62.41	25.89
26 05 33 16-0124 EA 2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	70.78	27.36
26 05 33 16-0125 EA 3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	82.20	29.58
26 05 33 16-0126 EA 4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	94.34	32.54
26 05 33 16-0127 Cast Boxes <small>(26 05 33 16)</small>		
Note: For flush or surface mount.		
26 05 33 16-0128 Cast Iron Alloy Boxes <small>(26 05 33 16-0127)</small>		
See CSI section 26 27 26 00-0271 for box covers.		
26 05 33 16-0129 Shallow, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
Note: Up to 2" deep boxes.		
26 05 33 16-0130 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	117.63	44.37
Note: One hub.		
26 05 33 16-0131 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	128.65	51.76
Note: One hub.		
26 05 33 16-0132 EA 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	152.41	62.85
Note: One hub.		
26 05 33 16-0133 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	148.82	59.16
Note: Two hubs.		
26 05 33 16-0134 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	187.63	70.26
Note: Two hubs.		
26 05 33 16-0135 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box	148.32	59.16
Note: Two hubs.		
26 05 33 16-0136 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box	177.93	70.26
Note: Two hubs.		
26 05 33 16-0137 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box	151.44	59.16
Note: Two hubs.		
26 05 33 16-0138 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box	177.97	70.26
Note: Two hubs.		
26 05 33 16-0139 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box	148.32	59.16
Note: Two hubs.		
26 05 33 16-0140 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box	174.12	70.26
Note: Two hubs.		
26 05 33 16-0141 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box	178.42	73.95
Note: Three hubs.		
26 05 33 16-0142 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box	211.74	88.74
Note: Three hubs.		
26 05 33 16-0143 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box	184.40	73.95
Note: Three hubs.		
26 05 33 16-0144 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box	234.56	88.74
Note: Three hubs.		
26 05 33 16-0145 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box	188.31	73.95
Note: Three hubs.		
26 05 33 16-0146 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box	225.18	88.74
Note: Three hubs.		
26 05 33 16-0147 EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box	177.91	73.95
Note: Three hubs.		
26 05 33 16-0148 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box	227.82	88.74
Note: Three hubs.		
26 05 33 16-0149 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box	224.10	88.74
Note: Four hubs.		
26 05 33 16-0150 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box	270.44	107.23
Note: Four hubs.		
26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
Note: >2" deep boxes.		
26 05 33 16-0152 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box	122.04	44.37
Note: One hub.		
26 05 33 16-0153 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box	140.87	51.76
Note: One hub.		
26 05 33 16-0154 EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box	166.52	62.85
Note: One hub.		
26 05 33 16-0155 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box	156.87	59.16
Note: Two hubs.		
26 05 33 16-0156 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box	182.07	70.26
Note: Two hubs.		
26 05 33 16-0157 EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box	219.14	85.04
Note: Two hubs.		
26 05 33 16-0158 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box	193.05	70.26
Note: Two hubs.		
26 05 33 16-0159 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box	247.57	88.74
Note: Three hubs.		
26 05 33 16-0160 Shallow, Two Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
Note: Up to 2" deep boxes.		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0161 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	138.88	48.07
26 05 33 16-0162 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	154.98	55.46
26 05 33 16-0163 EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	181.08	66.56
26 05 33 16-0164 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	170.59	62.85
26 05 33 16-0165 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	195.04	73.95
26 05 33 16-0166 Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0167 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	152.11	48.07
26 05 33 16-0168 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	167.42	55.46
26 05 33 16-0169 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	190.50	62.85
26 05 33 16-0170 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	216.07	73.95
26 05 33 16-0171 Cast Aluminum Boxes (26 05 33 16-0127) See CSI section 26 27 26 00-0271 for box covers.		
26 05 33 16-0172 Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0173 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	102.84	36.98
26 05 33 16-0174 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	118.79	44.37
26 05 33 16-0175 EA 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	135.08	55.46
26 05 33 16-0176 EA 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	97.71	36.98
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	122.40	44.37
26 05 33 16-0178 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	132.92	51.76
26 05 33 16-0179 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	160.03	62.85
26 05 33 16-0180 EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	200.20	77.65
26 05 33 16-0181 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	141.85	51.76
26 05 33 16-0182 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	155.68	62.85
26 05 33 16-0183 EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	136.77	51.76
26 05 33 16-0184 EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	158.71	62.85
26 05 33 16-0185 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	133.49	51.76
26 05 33 16-0186 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	158.71	62.85
26 05 33 16-0187 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	125.92	51.76
26 05 33 16-0188 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	166.76	62.85
26 05 33 16-0189 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	160.72	66.56
26 05 33 16-0190 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	195.52	81.35
26 05 33 16-0191 EA 1/2" Depth, Type FSCL, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	168.57	66.56
26 05 33 16-0192 EA 3/4" Depth, Type FSCL, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	222.71	81.35
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	167.91	66.56
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	205.86	81.35
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	208.20	81.35
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	204.84	81.35
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	250.31	99.83
26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	111.95	36.98
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	134.15	44.37
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	156.20	55.46
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	142.46	44.37
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	144.69	51.76
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	174.48	62.85
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	198.84	77.65
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	176.41	62.85
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box..... Note: Three hubs.	218.00	81.35
26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	132.09	40.67
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	152.01	48.07
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	167.02	59.16
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	167.42	55.46
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	175.76	66.56
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	216.67	81.35
26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	131.99	40.67
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	153.25	48.07
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	170.27	55.46
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	194.79	66.56
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	170.27	55.46
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	194.79	66.56
26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	179.17	59.16
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	202.97	70.26
26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	196.41	51.76
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	221.52	62.85
26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229 EA 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	206.04	59.16
26 05 33 16-0230 EA 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	252.03	66.56
26 05 33 16-0231 EA 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	237.00	73.95
26 05 33 16-0232 EA 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	228.82	66.56
26 05 33 16-0233 EA 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	275.45	73.95
26 05 33 16-0234 Non Metallic (PVC) Boxes (26 05 33 16) See CSI section 26 27 26 00-0271 for box covers.		
26 05 33 16-0235 Shallow, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0236 EA 1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	74.06	31.06

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0237 EA 3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	84.78	36.24
26 05 33 16-0238 EA 1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	97.18	44.00
26 05 33 16-0239 EA 1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	95.14	41.42
26 05 33 16-0240 EA 3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	111.90	49.18
26 05 33 16-0241 EA 1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	135.69	59.53
26 05 33 16-0242 EA 1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	95.46	41.42
26 05 33 16-0243 EA 3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	111.05	49.18
26 05 33 16-0244 EA 1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	132.81	59.53
26 05 33 16-0245 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	120.42	51.76
26 05 33 16-0246 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	137.79	62.12
26 05 33 16-0247 EA 1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	162.68	75.06
26 05 33 16-0248 Deep, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0249 EA No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box..... Note: No hubs.	74.99	31.06
26 05 33 16-0250 EA 1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box..... Note: One hub.	73.36	31.06
26 05 33 16-0251 EA 3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box..... Note: One hub.	86.99	36.24
26 05 33 16-0252 EA 1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box..... Note: One hub.	98.08	44.00
26 05 33 16-0253 EA 1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	96.97	41.42
26 05 33 16-0254 EA 3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	109.50	49.18
26 05 33 16-0255 EA 1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	131.03	59.53
26 05 33 16-0256 Shallow, Two Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0257 EA 1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	79.71	33.65
26 05 33 16-0258 EA 3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	91.37	38.82
26 05 33 16-0259 EA 1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	102.52	46.59
26 05 33 16-0260 EA 1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	98.28	44.00
26 05 33 16-0261 EA 3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	121.03	51.76
26 05 33 16-0262 EA 1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	143.38	62.12
26 05 33 16-0263 EA 1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	100.45	44.00
26 05 33 16-0264 EA 3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	127.03	51.76
26 05 33 16-0265 EA 1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	138.57	62.12
26 05 33 16-0266 EA 1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	122.92	54.36
26 05 33 16-0267 EA 3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	160.45	64.71
26 05 33 16-0268 EA 1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	167.72	77.65
26 05 33 16-0269 Poke Thru Units (26 05 33 16)		
26 05 33 16-0270 Surface Poke Thru Units (26 05 33 16-0269)		
Note: Excludes concrete drilling.		
26 05 33 16-0271 EA Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	498.07	55.46
26 05 33 16-0272 EA Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements..... Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	319.04	
26 05 33 16-0273 EA 20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC37REC.	49.86	14.79
26 05 33 16-0274 EA Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC3APTCBK.	54.21	7.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0275 EA Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit.....	561.26	59.16
Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.		
26 05 33 16-0276 EA Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements	300.08	
Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.		
26 05 33 16-0277 EA Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit	83.64	22.19
Note: Wiremold RC4REC2.		
26 05 33 16-0278 EA Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit.....	54.21	7.39
Note: Wiremold RC4APTCHK.		
26 05 33 16-0279 EA Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit.....	154.07	14.79
Note: Wiremold ABPLUG4.		
26 05 33 16-0280 EA Four Jack RC9AMD Communications Poke Thru Unit.....	446.98	51.76
Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.		
26 05 33 16-0281 EA Abandonment Plate For RC9 Series Communications Poke Thru Unit	38.97	7.39
Note: Wiremold RC9APTCHK.		
26 05 33 16-0282 EA Eight Jack AMD8 Communications Poke Thru Unit.....	445.06	51.76
Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.		
26 05 33 16-0283 EA Communication Conduit Adapter For Poke Thru Units	52.54	7.39
Note: Includes two conduit connections for communication systems. Wiremold COM75.		
26 05 33 16-0284	Recessed Poke Thru Units <small>(26 05 33 16-0269)</small>	
Note: Excludes concrete drilling.		
26 05 33 16-0285	Evolution 6AT Poke Thru Units <small>(26 05 33 16-0284)</small>	
Note: Excludes concrete drilling.		
26 05 33 16-0286 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP)	915.34	59.16
Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0287 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP).....	915.45	59.16
Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0288 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC).....	873.30	59.16
Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0289 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT).....	873.30	59.16
Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0290 EA Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA).....	915.34	59.16
Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0291 EA Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA).....	915.34	59.16
Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0292 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF).....	837.71	59.16
Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0293 EA Recessed Assembly With Disposable Plate (Wiremold 6STC).....	531.03	55.46
Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.		
26 05 33 16-0294 EA Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV)	568.22	55.46
Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.		
26 05 33 16-0295 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP)	571.90	55.46
Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.		
26 05 33 16-0296 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS).....	166.49	29.58
Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.		
26 05 33 16-0297 EA Surface Style Cover Assembly (Wiremold 6CTC).....	366.06	14.79
Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.		
26 05 33 16-0298 EA Flush Style Cover Assembly (Wiremold 6CT).....	366.06	14.79
Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0299 EA Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	305.08	14.79
26 05 33 16-0300 EA Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	44.62	3.70
26 05 33 16-0301 EA Device Mounting Plate (Wiremold 6AAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	23.63	7.39
26 05 33 16-0302 EA Device Mounting Plate (Wiremold 6ACT8A)..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	26.94	7.39
26 05 33 16-0303 EA Device Mounting Plate (Wiremold 6B)..... Note: Device plate used to blank off center compartment, when no devices are used.	23.54	7.39
26 05 33 16-0304 EA Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	23.60	7.39
26 05 33 16-0305 EA Device Mounting Plate (Wiremold 6DP)..... Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	23.46	7.39
26 05 33 16-0306 EA Device Mounting Plate (Wiremold 6MAAP)..... Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	27.29	7.39
26 05 33 16-0307 EA Device Mounting Plate (Wiremold 6MAAP2A)..... Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	27.02	7.39
26 05 33 16-0308 EA Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	27.62	7.39
26 05 33 16-0309 EA Device Mounting Plate (Wiremold 6S1)..... Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	23.14	7.39
26 05 33 16-0310 EA Device Mounting Plate (Wiremold 6S2)..... Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	23.16	7.39
26 05 33 16-0311 EA Device Mounting Plate (Wiremold 6SER)..... Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	22.87	7.39
26 05 33 16-0312 EA Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	22.87	7.39
26 05 33 16-0313 EA 20 Amperes, Duplex Receptacles (Wiremold 68REC)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	52.99	11.09
26 05 33 16-0314 EA Device Mounting Plate (Wiremold 68B)..... Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	21.13	7.39
26 05 33 16-0315 EA Device Mounting Plate (Wiremold 68MAAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	21.61	7.39
26 05 33 16-0316 EA 20 Amperes, Duplex Receptacles (Wiremold 68REC-25)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	159.83	13.31
26 05 33 16-0317 EA Device Mounting Plate (Wiremold 682A)..... Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	26.72	7.39
26 05 33 16-0318 EA Bottom Housing Assembly (Wiremold 5PTHA)..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	27.74	7.39
26 05 33 16-0319 EA Bottom Housing Assembly (Wiremold 5BLH)..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	28.47	7.39
26 05 33 16-0320 EA Bottom Housing Assembly (Wiremold 152CHA)..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	44.81	14.79
26 05 33 16-0321 EA Bottom Housing Assembly (Wiremold 575CHA)..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	51.83	18.48
26 05 33 16-0322 EA Bottom Housing Assembly (Wiremold 175CHA)..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	56.56	18.48
26 05 33 16-0323 EA Bottom Housing Assembly (Wiremold 1125CHA)..... Note: One-gang 1 1/4" trade size conduit housing assembly.	43.21	14.79
26 05 33 16-0324 EA Bottom Housing Assembly (Wiremold 1PTHA)..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	27.57	7.39
26 05 33 16-0325 EA Bottom Housing Assembly (Wiremold 1BLH)..... Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	27.57	7.39
26 05 33 16-0326 EA Bottom Housing Assembly (Wiremold 15FFHA)..... Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	28.93	7.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0327 EA Bottom Housing Assembly (Wiremold 1BHA)..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTH, and 1BLH plates.	29.85	7.39
26 05 33 16-0328 Evolution 8AT Poke Thru Units <small>(26 05 33 16-0284)</small> Note: Excludes concrete drilling.		
26 05 33 16-0329 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,195.00	59.16
26 05 33 16-0330 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,138.26	59.16
26 05 33 16-0331 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,207.84	59.16
26 05 33 16-0332 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,127.59	59.16
26 05 33 16-0333 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,117.46	59.16
26 05 33 16-0334 EA Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	681.15	55.46
26 05 33 16-0335 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	761.07	55.46
26 05 33 16-0336 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS)..... Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	197.69	29.58
26 05 33 16-0337 EA Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	395.49	14.79
26 05 33 16-0338 EA Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	395.49	14.79
26 05 33 16-0339 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	68.89	3.70
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8B)..... Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	24.34	7.39
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DP)..... Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	24.47	7.39
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or AVV devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	24.61	7.39
26 05 33 16-0343 EA Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	28.16	7.39
26 05 33 16-0344 EA Mosaic Mounting Plate (Wiremold 8MOS)..... Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	33.61	7.39
26 05 33 16-0345 EA Crestron Double Gang Plate (Wiremold 8CREST)..... Note: Device plate accepts Crestron double-gang decorator style devices.	33.56	7.39
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S1)..... Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	23.68	7.39
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8S2)..... Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	23.95	7.39
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	23.68	7.39
26 05 33 16-0349 EA Device Mounting Plate (Wiremold 8SER)..... Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	23.68	7.39
26 05 33 16-0350 EA Device Mounting Plate (Wiremold 8MAAP)..... Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	33.12	7.39
26 05 33 16-0351 EA Device Mounting Plate (Wiremold 8AAP)..... Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	28.00	7.39
26 05 33 16-0352 EA 8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	31.92	7.39

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0353	EA		Bottom Housing Assembly (Wiremold 22CHA)..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	44.81	14.79
26 05 33 23 Surface Raceways for Electrical Systems (26 05 33)					
26 05 33 23-0001			Raceways (26 05 33 23)		
26 05 33 23-0002			Wireway With Screw Cover (26 05 33 23-0001) Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.		
26 05 33 23-0003			2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)		
26 05 33 23-0004	LF		2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	29.68 0.81 0.68	6.75
26 05 33 23-0005	EA		2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	26.13 0.29	10.13
26 05 33 23-0006	EA		2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	31.13 0.29	12.64
26 05 33 23-0007	EA		2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	64.49 0.86	23.65
26 05 33 23-0008	EA		2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	98.73 2.57	23.65
26 05 33 23-0009	EA		2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	145.72 3.93	33.65
26 05 33 23-0010	EA		2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	163.39 4.45	37.17
26 05 33 23-0011			4" x 4", Wireway With Screw Cover (26 05 33 23-0002)		
26 05 33 23-0012	LF		4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	36.41 0.98 0.85	8.52
26 05 33 23-0013	LF		4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	62.97 2.30 0.85	8.52
26 05 33 23-0014	EA		4" x 4", End Plate For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	20.98 0.31	7.44
26 05 33 23-0015	EA		4" x 4", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	34.50 0.31	14.19
26 05 33 23-0016	EA		4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	76.53 0.93	28.92
26 05 33 23-0017	EA		4" x 4", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	114.18 2.81	28.92
26 05 33 23-0018	EA		4" x 4", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	160.47 4.26	37.57
26 05 33 23-0019	EA		4" x 4", Cross For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	185.55 4.89	43.92
26 05 33 23-0020			6" x 6", Wireway With Screw Cover (26 05 33 23-0002)		
26 05 33 23-0021	LF		6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	53.54 1.66 1.02	10.13
26 05 33 23-0022	LF		6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	100.11 3.99 1.02	10.13
26 05 33 23-0023	EA		6" x 6", End Plate For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	26.06 0.49	8.11
26 05 33 23-0024	EA		6" x 6", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	43.63 0.49	16.90
26 05 33 23-0025	EA		6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	105.42 1.91	33.65
26 05 33 23-0026	EA		6" x 6", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	145.17 3.90	33.65
26 05 33 23-0027	EA		6" x 6", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	224.13 7.01	42.03
26 05 33 23-0028	EA		6" x 6", Cross For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	244.10 7.34	48.65
26 05 33 23-0029			8" x 8", Wireway With Screw Cover (26 05 33 23-0002)		
26 05 33 23-0030	LF		8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	84.41 3.12 1.11	11.08
26 05 33 23-0031	LF		8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	150.73 6.43 1.11	11.08
26 05 33 23-0032	EA		8" x 8", End Plate For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	28.64 0.55	8.79
26 05 33 23-0033	EA		8" x 8", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	47.56 0.55	18.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0034 EA 8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	117.48 2.17	37.03
26 05 33 23-0035 EA 8" x 8", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	182.04 5.40	37.03
26 05 33 23-0036 EA 8" x 8", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	267.76 8.82	45.68
26 05 33 23-0037 EA 8" x 8", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	370.70 12.99	55.41
26 05 33 23-0038 10" x 10", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0039 LF 10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	121.37 4.78 1.29	12.84
26 05 33 23-0040 LF 10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	211.12 9.27 1.29	12.84
26 05 33 23-0041 EA 10" x 10", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	39.29 0.95	10.13
26 05 33 23-0042 EA 10" x 10", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	59.56 0.95	20.27
26 05 33 23-0043 EA 10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	153.32 3.64	40.27
26 05 33 23-0044 EA 10" x 10", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	281.40 10.04	40.27
26 05 33 23-0045 EA 10" x 10", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	421.80 16.01	50.82
26 05 33 23-0046 EA 10" x 10", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	596.14 24.06	57.44
26 05 33 23-0047 12" x 12", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048 LF 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	142.69 5.58 1.55	15.54
26 05 33 23-0049 LF 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	232.88 10.09 1.55	15.54
26 05 33 23-0050 EA 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	50.69 1.45	10.81
26 05 33 23-0051 EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	72.32 1.45	21.62
26 05 33 23-0052 EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	197.77 5.50	43.92
26 05 33 23-0053 EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	367.38 13.98	43.92
26 05 33 23-0054 EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	472.82 18.24	54.05
26 05 33 23-0055 EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	760.18 31.93	60.82
26 05 33 23-0056 Surface Metal Raceways <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface.		
26 05 33 23-0057 One Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small> Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) <small>(26 05 33 23-0057)</small> Note: Available in ivory.		
26 05 33 23-0059 LF 3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)..... <i>For Concrete Or Masonry Surface, Add</i>	5.74 0.20	2.02
26 05 33 23-0060 EA Bushing (Wiremold #502).....	5.81	2.71
26 05 33 23-0061 EA One Or Two Hole Strap (Wiremold #504).....	5.86	2.71
26 05 33 23-0062 EA Connection Cover (Wiremold #506).....	6.05	2.71
26 05 33 23-0063 EA Flat 90 Degree Elbow (Wiremold #511).....	9.00	3.25
26 05 33 23-0064 EA Flat 45 Degree Elbow (Wiremold #512).....	14.42	3.38
26 05 33 23-0065 EA Adjustable Internal Elbow (Wiremold #517).....	11.20	4.06
26 05 33 23-0066 EA Adjustable External Elbow (Wiremold #518).....	10.97	4.06
26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) <small>(26 05 33 23-0057)</small> Note: Available in ivory and white.		
26 05 33 23-0068 LF 3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)..... <i>For Concrete Or Masonry Surface, Add</i>	6.98 0.27	2.71
26 05 33 23-0069 EA Bushing (Wiremold #702).....	5.85	2.71
26 05 33 23-0070 EA One Or Two Hole Strap (Wiremold #704).....	5.99	2.71
26 05 33 23-0071 EA Connection Cover (Wiremold #706).....	6.02	2.71
26 05 33 23-0072 EA Flat 90 Degree Elbow (Wiremold #711).....	12.98	5.40
26 05 33 23-0073 EA Flat 45 Degree Elbow (Wiremold #712).....	18.74	5.40
26 05 33 23-0074 EA Adjustable Internal Elbow (Wiremold #717).....	13.77	5.40
26 05 33 23-0075 EA Adjustable External Elbow (Wiremold #718).....	13.41	5.40

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700****Fittings)** (26 05 33 23-0057)

Note: Available in ivory.

26 05 33 23-0077	EA	18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)	32.18	4.06
26 05 33 23-0078	EA	Galvanized Coupling For #500 Or 700 (Wiremold #5701)	5.97	2.71
26 05 33 23-0079	EA	Supporting Clip, For #500 Or 700 (Wiremold #5703)	5.97	2.71
26 05 33 23-0080	EA	Ground Clamp (Wiremold #5709)	15.27	4.06
26 05 33 23-0081	EA	Grounding Connector (Wiremold #5709GC)	13.24	4.06
26 05 33 23-0082	EA	L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711)	15.47	5.40
26 05 33 23-0083	EA	Tee (Wiremold #5715)	17.76	6.75
26 05 33 23-0084	EA	2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)	27.46	5.40
26 05 33 23-0085	EA	Utility Box For #500 Or #700 (Wiremold #57242)	21.81	5.40
26 05 33 23-0086	EA	2-3/8" Diameter, Blank Cover (Wiremold #5731)	11.97	3.38
26 05 33 23-0087	EA	3" Diameter, Outlet Box (Wiremold #5733)	26.30	5.40
26 05 33 23-0088	EA	4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)	26.21	5.40
26 05 33 23-0089	EA	4-3/8" Blank Cover (Wiremold #5736)	12.59	3.38
26 05 33 23-0090	EA	4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)	24.09	5.40
26 05 33 23-0091	EA	5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)	23.35	5.40
26 05 33 23-0092	EA	4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)	23.52	5.40
26 05 33 23-0093	EA	5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)	23.52	5.40
26 05 33 23-0094	EA	5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)	26.21	5.40
26 05 33 23-0095	EA	6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)	25.93	5.40
26 05 33 23-0096	EA	6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)	27.48	5.40
26 05 33 23-0097	EA	Standard Switch Box For #500, Or #700 (Wiremold #57240)	32.44	8.79
26 05 33 23-0098	EA	Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)	52.89	16.90
26 05 33 23-0099	EA	2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)	25.63	8.79
26 05 33 23-0100	EA	1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)	37.87	8.79
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)	42.73	8.79
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	62.48	8.79
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	34.03	7.44
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	37.53	7.44
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	57.83	7.44
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	26.56	8.79
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	23.91	8.79
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	31.76	8.79
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	57.43	8.79
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	25.24	8.79
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	33.35	8.79
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	55.95	8.79
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	80.81	8.79
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	130.25	8.79
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	132.46	8.79
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	24.99	8.79
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	24.42	8.79
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	30.96	8.79
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	56.45	8.79
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	26.02	8.79
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	32.34	8.79
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	44.56	8.79
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	15.65	3.38
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	14.99	3.38
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	10.56	3.38
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	18.72	4.06
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	10.64	3.38
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	22.92	4.06
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	20.75	4.06
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	12.48	4.06
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	19.42	4.06
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	10.77	3.38
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	9.38	2.71

26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) (26 0533 23-0057)

Note: Galvanized finish.

26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	9.90	3.38
		<i>For Concrete Or Masonry Surface, Add</i>	0.34	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	6.44	2.71
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	7.72	3.38
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	8.84	4.06
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	32.88	12.84
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	33.77	12.84
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	35.85	12.84
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	35.68	12.84
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	30.90	8.79
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	31.74	8.79
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	62.04	16.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0146 EA Single Receptacle Box (Wiremold #1546A).....	32.56	8.79
26 05 33 23-0147 EA Duplex Receptacle Box (Wiremold #1546B).....	38.90	8.79
26 05 33 23-0148 EA Telephone Box (Wiremold #1546T).....	38.24	8.79
26 05 33 23-0149 EA Combination Connection (Wiremold #1585).....	18.39	4.06
26 05 33 23-0150 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) (26 05 33 23-0057)		
Note: Galvanized finish.		
26 05 33 23-0151 LF 2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10).....	17.92	6.08
For Concrete Or Masonry Surface, Add	0.61	
26 05 33 23-0152 EA Wire Clip (Wiremold #2600WC).....	6.78	2.71
26 05 33 23-0153 EA Fiber Bushing (Wiremold #2602).....	7.56	2.71
26 05 33 23-0154 EA 2-5/8", 90 Degree Flat Elbow (Wiremold #2611).....	26.66	4.73
26 05 33 23-0155 EA 5" Diameter, Junction Box (Wiremold #2642D).....	39.90	6.75
26 05 33 23-0156 EA Service Fitting (Wiremold #2686FO).....	39.23	8.11
26 05 33 23-0157 Two Piece Surface Metal Raceways (26 05 33 23-0056)		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0158 1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) (26 05 33 23-0157)		
26 05 33 23-0159 LF 1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC).....	10.25	3.38
For Concrete Or Masonry Surface, Add	0.34	
26 05 33 23-0160 EA Wire Clip (Wiremold #2000WC).....	4.96	2.71
26 05 33 23-0161 EA Coupling (Wiremold #2001).....	13.29	3.38
26 05 33 23-0162 EA Supporting Clip (Wiremold #2003).....	6.34	2.02
26 05 33 23-0163 EA Cover Clip (Wiremold #2006).....	5.90	2.02
26 05 33 23-0164 EA Ground Clamp (Wiremold #2009).....	15.09	3.38
26 05 33 23-0165 EA Entrance End Fitting (Wiremold #2010A2).....	30.23	10.13
26 05 33 23-0166 EA Entrance End Fitting (Wiremold #2010A3).....	51.28	13.52
26 05 33 23-0167 EA Blank End Fitting (Wiremold #2010B).....	8.09	3.38
26 05 33 23-0168 EA Flat 90 Degree Elbow (Wiremold #2011).....	26.02	8.79
26 05 33 23-0169 EA Tee (Wiremold #2015).....	47.34	12.71
26 05 33 23-0170 EA Internal Corner Coupling (Wiremold #2017TC).....	16.79	6.75
26 05 33 23-0171 EA Single Gang Device Box (Wiremold #2048).....	39.25	12.02
26 05 33 23-0172 EA 2-Gang device Box (Wiremold #2048-2).....	61.28	13.38
26 05 33 23-0173 EA Flush Plate Adapter (Wiremold #2051H).....	42.57	13.38
26 05 33 23-0174 EA Side Reducing Connector (Wiremold #2089).....	34.62	6.75
26 05 33 23-0175 EA #2089E End Reducing Connector.....	14.35	3.38
26 05 33 23-0176 1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) (26 05 33 23-0157)		
Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177 LF 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B).....	8.77	3.38
For Concrete Or Masonry Surface, Add	0.34	
26 05 33 23-0178 LF 1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD).....	9.57	3.38
For Concrete Or Masonry Surface, Add	0.34	
26 05 33 23-0179 LF Raceway Cover (Wiremold #2400C).....	3.41	0.67
26 05 33 23-0180 EA Wire Clip (Wiremold #2400WC).....	4.94	2.71
26 05 33 23-0181 EA Coupling (Wiremold #2401).....	13.17	3.38
26 05 33 23-0182 EA Divided Raceway Coupling (Wiremold #2401D).....	10.61	3.38
26 05 33 23-0183 EA Cover Clip (Wiremold #2406).....	5.90	2.02
26 05 33 23-0184 EA Device Bracket Frame (Wiremold #2407-2CM).....	43.21	10.13
26 05 33 23-0185 EA Device Bracket Frame (Wiremold #2407-2TJ).....	41.45	10.13
26 05 33 23-0186 EA Ground Clamp (Wiremold #2409).....	11.22	2.71
26 05 33 23-0187 EA End Fitting (Wiremold #2410A).....	28.83	10.13
26 05 33 23-0188 EA Blank End (Wiremold #2410B).....	8.13	3.38
26 05 33 23-0189 EA Divided Blank End Fitting (Wiremold #2410BD).....	8.23	3.38
26 05 33 23-0190 EA Entrance End Fitting (Wiremold #2410C).....	43.02	10.13
26 05 33 23-0191 EA Divided Entrance End Fitting (Wiremold #2410D).....	41.32	10.13
26 05 33 23-0192 EA Divided Entrance End Fitting (Wiremold #2410DFO).....	66.74	10.13
26 05 33 23-0193 EA Full Cap Entrance End Fitting (Wiremold #2410FC).....	51.50	10.13
26 05 33 23-0194 EA Divided Flat 90 Degree Elbow (Wiremold #2411D).....	32.15	10.13
26 05 33 23-0195 EA Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO).....	50.57	10.13
26 05 33 23-0196 EA Radiused Flat 90 Degree Elbow (Wiremold #2411FO).....	45.44	10.00
26 05 33 23-0197 EA Flat 90 Degree Elbow (Wiremold #2411M).....	30.72	10.13
26 05 33 23-0198 EA Radiused Divided Tee (Wiremold #2415DFO).....	54.13	10.00
26 05 33 23-0199 EA Radiused Tee (Wiremold #2415FO).....	51.54	10.00
26 05 33 23-0200 EA Tee (Wiremold #2415M).....	36.12	10.00
26 05 33 23-0201 EA Divided Internal Coupling (Wiremold #2417D).....	30.39	10.00
26 05 33 23-0202 EA Radiused Divided Internal Coupling (Wiremold #2417DFO).....	46.87	10.00
26 05 33 23-0203 EA Radiused Internal Coupling (Wiremold #2417FO).....	45.51	10.00
26 05 33 23-0204 EA Internal Coupling (Wiremold #2417M).....	29.49	10.00
26 05 33 23-0205 EA Radiused Divided External Coupling (Wiremold #2418DFO).....	50.82	10.00
26 05 33 23-0206 EA Radiused External Coupling (Wiremold #2418FO).....	50.02	10.00
26 05 33 23-0207 EA External Coupling (Wiremold #2418M).....	35.53	10.00
26 05 33 23-0208 EA 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444).....	46.16	8.79
26 05 33 23-0209 EA 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2).....	51.13	8.79
26 05 33 23-0210 EA Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS).....	51.38	8.79

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0211	EA		Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D).....	49.28	8.79
26 05 33 23-0212	EA		Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A).....	69.05	8.79
26 05 33 23-0213	EA		Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N).....	60.93	8.79
26 05 33 23-0214	EA		4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448).....	32.70	8.79
26 05 33 23-0215	EA		4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2).....	50.03	8.79
26 05 33 23-0216	EA		Device Bracket Type Adapter Plate (Wiremold #2450).....	15.46	3.38
26 05 33 23-0217	EA		4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H).....	36.93	10.13
26 05 33 23-0218	EA		Bridge Fitting For 2400/700/500 (Wiremold #2475D).....	107.22	10.13
26 05 33 23-0219	EA		Side Reducing Connector (Wiremold #2489).....	31.55	5.40
26 05 33 23-0220 2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) (26 05					
<small>33 23-0157</small>					
Note: Available in gray enamel (G) or ivory (V).					
26 05 33 23-0221	LF		2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B).....	16.49	6.08
For Concrete Or Masonry Surface, Add				0.61	
26 05 33 23-0222	LF		Raceway Cover (Wiremold #3000CE).....	3.59	0.67
26 05 33 23-0223	EA		Wire Clips For Conductors (Wiremold #3000WC).....	6.18	2.71
26 05 33 23-0224	EA		Couplings (Wiremold #3001).....	16.31	2.71
26 05 33 23-0225	EA		Rigid Inside Coupling (Wiremold #3001A).....	15.04	3.38
26 05 33 23-0226	EA		Supporting Clip (Wiremold #3003).....	11.47	3.38
26 05 33 23-0227	EA		Clip Cover (Wiremold #3006E).....	6.90	2.71
26 05 33 23-0228	EA		Device Brackets (Wiremold #3007C).....	17.20	5.40
26 05 33 23-0229	EA		C-Hanger (Wiremold #3008C).....	16.55	4.06
26 05 33 23-0230	EA		Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE).....	39.97	12.84
26 05 33 23-0231	EA		Blank End Fittings (Wiremold #3010B).....	14.92	5.40
26 05 33 23-0232	EA		Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C).....	43.68	12.84
26 05 33 23-0233	EA		Flat 90 Degree Elbow (Wiremold #3011E).....	64.59	16.75
26 05 33 23-0234	EA		Wall Box Connector (Wiremold #3014C).....	48.14	16.90
26 05 33 23-0235	EA		Tee Fitting (Wiremold #3015E).....	87.94	20.94
26 05 33 23-0236	EA		Internal Corner Coupling (Wiremold #3017TCE).....	42.82	12.84
26 05 33 23-0237	EA		External Corner (Wiremold #3018AE).....	51.57	12.84
26 05 33 23-0238	EA		Single Receptacle Cover With Face Diameters Of 1.38"-1.4" (Wiremold #3027AE).....	38.33	12.84
26 05 33 23-0239	EA		Utility Box (Wiremold #3028).....	61.24	12.84
26 05 33 23-0240	EA		Single Receptacle Cover With Face Diameters Of 1.56"-1.57" (Wiremold #3033JE).....	19.44	3.38
26 05 33 23-0241	EA		Blank Cover (Wiremold #3036HE).....	21.14	3.38
26 05 33 23-0242	EA		Switch Cover (Wiremold #3040CE).....	19.40	3.38
26 05 33 23-0243	EA		Duplex Receptacle Cover (Wiremold #3043BE).....	22.71	4.06
26 05 33 23-0244	EA		15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE).....	61.90	17.57
26 05 33 23-0245	EA		2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2).....	68.30	12.84
26 05 33 23-0246	EA		Duplex Receptacle Cover (Wiremold #3046BE).....	19.82	4.06
26 05 33 23-0247	EA		Tap Off Fitting (Wiremold #3046H-2).....	22.10	3.38
26 05 33 23-0248	EA		1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD).....	85.72	8.11
26 05 33 23-0249	EA		2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ).....	205.90	8.11
26 05 33 23-0250	EA		1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU).....	74.94	8.11
26 05 33 23-0251	EA		1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S).....	80.91	8.11
26 05 33 23-0252	EA		1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U).....	80.91	8.11
26 05 33 23-0253	EA		Rectangular Receptacle Cover (Wiremold #3048R).....	26.15	4.06
26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) (26 05 33					
<small>23-0157</small>					
Note: Available in gray enamel (G) or ivory (V).					
26 05 33 23-0255	LF		4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10).....	19.94	6.08
For Concrete Or Masonry Surface, Add				0.65	
26 05 33 23-0256	LF		Raceway Cover (Wiremold #4000C).....	6.67	0.67
26 05 33 23-0257	LF		Divider (Wiremold #4000D).....	3.37	0.67
26 05 33 23-0258	EA		Wire Clips For Conductors (Wiremold #4000WC).....	7.46	3.38
26 05 33 23-0259	EA		Couplings (Wiremold #4001A).....	19.71	4.06
26 05 33 23-0260	EA		Divider Clip (Wiremold #4001D).....	9.73	4.06
26 05 33 23-0261	EA		Seam Clip (Wiremold #4006).....	9.88	4.06
26 05 33 23-0262	EA		Single Device Fitting (Wiremold #4007C-1R).....	37.37	8.79
26 05 33 23-0263	EA		Blank End Fittings (Wiremold #4010B).....	20.55	5.40
26 05 33 23-0264	EA		Entrance End Fitting (Wiremold #4010DFO).....	78.92	20.81
26 05 33 23-0265	EA		Flat 90 Degree Elbow (Wiremold #4011).....	72.46	16.90
26 05 33 23-0266	EA		Radiused Flat 90 Degree Elbow (Wiremold #4011FO).....	84.46	16.90
26 05 33 23-0267	EA		Internal Or External 45 Degree Elbow (Wiremold #4012TX).....	79.84	20.94
26 05 33 23-0268	EA		Wall Box Connector (Wiremold #4014A).....	103.85	20.94
26 05 33 23-0269	EA		Tee Fitting (Wiremold #4015).....	114.36	20.94
26 05 33 23-0270	EA		Divided Tee Fitting (Wiremold #4015D).....	118.59	20.94
26 05 33 23-0271	EA		Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO).....	140.12	20.94
26 05 33 23-0272	EA		Radiused Tee Fitting (Wiremold #4015FO).....	140.53	20.94
26 05 33 23-0273	EA		Internal Elbow (Wiremold #4017).....	66.34	20.94
26 05 33 23-0274	EA		Internal Elbow (Wiremold #4017FO).....	112.51	20.94
26 05 33 23-0275	EA		Inverted Internal Elbow (Wiremold #4017N).....	72.69	20.94
26 05 33 23-0276	EA		Internal Corner Coupling (Wiremold #4017TCA).....	62.98	20.94
26 05 33 23-0277	EA		External Elbow (Wiremold #4018).....	95.18	20.94
26 05 33 23-0278	EA		Radiused External Elbow (Wiremold #4018FO).....	109.21	20.94
26 05 33 23-0279	EA		Single Locking Receptacle And Two RJ11/45 Modular Connectors Outlet Cover (Wiremold #4046ARJ).....	89.09	8.79
26 05 33 23-0280	EA		Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2).....	94.28	8.79
26 05 33 23-0281	EA		Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ).....	94.28	8.79
26 05 33 23-0282	EA		Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2).....	124.96	8.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0283 EA Tap-Off Fitting (Wiremold #4046H-2).....	28.77	8.79
26 05 33 23-0284 EA Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ)	79.63	4.06
26 05 33 23-0285 EA Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ).....	96.43	8.79
26 05 33 23-0286 EA 1 Gang Device Plate (Wiremold #G4047C-1).....	27.83	8.79
26 05 33 23-0287 EA 2 Gang Device Plate (Wiremold #G4047C-2).....	32.07	8.79
26 05 33 23-0288 EA Device Mounting Bracket (Wiremold #4050).....	31.24	6.75
26 05 33 23-0289 EA #4000 To #3000 Take-off Connector (Wiremold #4074A)	142.17	20.94
26 05 33 23-0290 EA Bridge Fitting (Wiremold #4075D).....	128.87	20.94
26 05 33 23-0291 EA Bridge Fitting (Wiremold #4075DA).....	128.87	20.94
26 05 33 23-0292 EA Panel Connector (Wiremold #4086A)	112.09	39.86
26 05 33 23-0293 EA Reducing Connector Fitting (Wiremold #4089)	67.67	20.94
26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) <small>(26 05 33 23-0157)</small>		
<i>Note: Available in gray enamel (G) or ivory (V).</i>		
26 05 33 23-0295 LF 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10).....	27.79	7.44
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.74</i>	
26 05 33 23-0296 LF Raceway Cover (Wiremold #6000C).....	7.80	2.02
26 05 33 23-0297 LF Divider (Wiremold #6000DA)	8.03	2.02
26 05 33 23-0298 EA Wire Clips For Conductors (Wiremold #6000WC).....	8.34	3.38
26 05 33 23-0299 EA Couplings (Wiremold #6001A)	24.06	6.75
26 05 33 23-0300 EA Divider Clip (Wiremold #6001D).....	10.97	3.38
26 05 33 23-0301 EA Converter Coupling (Wiremold #6001TX).....	30.16	8.79
26 05 33 23-0302 EA Connection Cover (Wiremold #6006).....	28.82	8.79
26 05 33 23-0303 EA Single Gang Device Plate (Wiremold #6007C-1).....	30.04	8.79
26 05 33 23-0304 EA Two Gang Device Plate (Wiremold #6007C-2).....	32.52	8.79
26 05 33 23-0305 EA C-Hanger (Wiremold #6008A).....	47.30	12.84
26 05 33 23-0306 EA Blank End Fittings (Wiremold #6010B).....	53.77	20.27
26 05 33 23-0307 EA Combination Flat Elbow (Wiremold #6011TX).....	93.29	20.27
26 05 33 23-0308 EA Internal-External 45 Degree Elbow (Wiremold #6012TX).....	94.40	19.46
26 05 33 23-0309 EA Connector Fitting (Wiremold #6014A).....	131.75	20.94
26 05 33 23-0310 EA Combination Internal-External Elbow (Wiremold #6017TX).....	97.49	22.98
26 05 33 23-0311 EA Circuit Breaker Housing (Wiremold #6046KD).....	162.53	22.98
26 05 33 23-0312 EA #6000 To #6000 Take-off Connector (Wiremold #6074).....	156.03	20.27
26 05 33 23-0313 EA #6000 To #4000 Take-off Connector (Wiremold #6074A)	168.10	20.27
26 05 33 23-0314 EA Panel Connector (Wiremold #6086).....	116.79	47.03
26 05 33 23-0315 Two Piece Surface Aluminum Raceways <small>(26 05 33 23-0056)</small>		
<i>Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).</i>		
26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0317 LF 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B)	12.86	3.38
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.34</i>	
26 05 33 23-0318 LF Aluminum Raceway Cover (Wiremold #AL2000C).....	6.19	0.67
26 05 33 23-0319 EA Wire Clip (Wiremold #AL2000WC).....	6.33	2.71
26 05 33 23-0320 EA Coupling (Wiremold #AL2001).....	14.32	3.38
26 05 33 23-0321 EA Supporting Clip (Wiremold #AL2003).....	6.81	2.02
26 05 33 23-0322 EA Cover Clip (Wiremold #AL2006).....	8.52	2.02
26 05 33 23-0323 EA Ground Clamp (Wiremold #AL2009).....	12.28	3.38
26 05 33 23-0324 EA Entrance End Fitting (Wiremold #AL2010A).....	34.46	10.13
26 05 33 23-0325 EA Blank End Fitting (Wiremold #AL2010B).....	11.17	3.38
26 05 33 23-0326 EA Flat 90 Degree Elbow (Wiremold #AL2011).....	39.32	8.79
26 05 33 23-0327 EA Tee (Wiremold #AL2015).....	53.50	12.71
26 05 33 23-0328 EA Internal Corner Elbow (Wiremold #AL2017)	35.31	6.75
26 05 33 23-0329 EA External Corner Elbow (Wiremold #AL2018)	35.24	6.75
26 05 33 23-0330 EA 2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043).....	58.18	13.38
26 05 33 23-0331 EA 4-13/16" Round Fixture Box (Wiremold #AL2038).....	130.59	12.02
26 05 33 23-0332 EA 4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044).....	59.54	12.02
26 05 33 23-0333 EA 4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2)	120.76	13.38
26 05 33 23-0334 EA Single Gang Shallow Device Box (Wiremold #AL2047).....	61.56	12.02
26 05 33 23-0335 EA 2-Gang Shallow Device Box (Wiremold #AL2047-2).....	107.10	13.38
26 05 33 23-0336 EA Flush Plate Adapter (Wiremold #AL2051H).....	47.58	13.38
26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0338 LF 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B).....	14.46	3.38
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.34</i>	
26 05 33 23-0339 LF Aluminum Raceway Cover (Wiremold #AL2400C).....	6.47	0.67
26 05 33 23-0340 EA Wire Clip (Wiremold #AL2400WC).....	8.57	2.71
26 05 33 23-0341 EA Coupling (Wiremold #AL2401).....	16.44	3.38
26 05 33 23-0342 EA Cover Clip (Wiremold #AL2406)	11.04	2.02
26 05 33 23-0343 EA Ground Clamp (Wiremold #AL2409).....	9.75	2.71
26 05 33 23-0344 EA Blank End (Wiremold #AL2410B)	12.37	3.38
26 05 33 23-0345 EA End Fitting (Wiremold #AL2410B2).....	27.08	10.13
26 05 33 23-0346 EA Flat 90 Degree Elbow (Wiremold #AL2411).....	47.86	10.13
26 05 33 23-0347 EA Tee (Wiremold #AL2415).....	52.00	10.00
26 05 33 23-0348 EA Fourway Fitting (Wiremold #AL2416).....	60.76	10.00

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0349 EA Internal Coupling (Wiremold #AL2417).....	47.68	10.00
26 05 33 23-0350 EA External Coupling (Wiremold #AL2418).....	51.19	10.00
26 05 33 23-0351 EA 4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H).....	42.89	10.13
26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) (26 05 33 23-0315)		
26 05 33 23-0353 LF 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B).....	22.28	6.08
<i>For Concrete Or Masonry Surface, Add</i>	0.61	
26 05 33 23-0354 LF Aluminum Raceway Cover (Wiremold #AL3300CE).....	5.94	0.67
26 05 33 23-0355 LF Raceway Divider (Wiremold #AL3300D).....	4.97	6.08
26 05 33 23-0356 EA Wire Clips For Conductors (Wiremold #AL3300WC).....	10.10	2.71
26 05 33 23-0357 EA Couplings (Wiremold #AL3301).....	19.70	2.71
26 05 33 23-0358 EA Divider Coupling (Wiremold #AL3301D).....	15.45	3.38
26 05 33 23-0359 EA Ground Clamp (Wiremold #AL3309).....	10.63	2.71
26 05 33 23-0360 EA Blank End Fittings (Wiremold #AL3310B).....	21.99	5.40
26 05 33 23-0361 EA End Fitting (Wiremold #AL3310B1).....	37.98	12.84
26 05 33 23-0362 EA Flat 90 Degree Elbow (Wiremold #AL3311).....	103.10	16.75
<i>Note: Includes two (2) AL3301 couplings.</i>		
26 05 33 23-0363 EA Tee Fitting (Wiremold #AL3315).....	119.26	20.94
<i>Note: Includes three (3) AL3301 couplings.</i>		
26 05 33 23-0364 EA Cross Fitting (Wiremold #AL3316).....	133.35	20.94
<i>Note: Includes four (4) AL3301 couplings.</i>		
26 05 33 23-0365 EA Internal Elbow (Wiremold #AL3317).....	95.03	12.84
<i>Note: Includes two (2) AL3301 couplings.</i>		
26 05 33 23-0366 EA External Elbow (Wiremold #AL3318).....	95.12	12.84
<i>Note: Includes two (2) AL3301 couplings.</i>		
26 05 33 23-0367 EA Duplex Receptacle Cover (Wiremold #AL3346D).....	21.76	4.06
26 05 33 23-0368 EA Single Receptacle Cover (Wiremold #AL3346E).....	21.63	4.06
26 05 33 23-0369 EA GFCI/Surge Receptacle Cover (Wiremold #AL3346G).....	21.43	4.06
26 05 33 23-0370 EA Single Device Cover Plate (Wiremold #AL3356R).....	21.06	3.38
26 05 33 23-0371 5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) (26 05 33 23-0315)		
26 05 33 23-0372 LF 5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10).....	26.12	6.08
<i>For Concrete Or Masonry Surface, Add</i>	0.65	
26 05 33 23-0373 LF Aluminum Raceway Cover (Wiremold #AL5200C).....	9.89	0.67
26 05 33 23-0374 LF Divider (Wiremold #AL5200D).....	5.93	0.67
26 05 33 23-0375 EA Wire Clips For Conductors (Wiremold #AL5200WC).....	8.56	3.38
26 05 33 23-0376 EA Wire Clips For Conductors (Wiremold #AL5200WC2).....	7.40	3.38
26 05 33 23-0377 EA Wire Clips For Conductors (Wiremold #AL5200WC3).....	7.36	3.38
26 05 33 23-0378 EA Couplings (Wiremold #AL5201).....	18.11	4.06
26 05 33 23-0379 EA Cover Clip (Wiremold #AL5206).....	15.17	4.06
26 05 33 23-0380 EA Ground Adapter (Wiremold #AL5209).....	19.57	4.06
26 05 33 23-0381 EA Blank End Fittings (Wiremold #AL5210B).....	19.99	5.40
26 05 33 23-0382 EA Blank End Fittings (Wiremold #AL5210B1).....	21.20	5.40
26 05 33 23-0383 EA Blank End Fittings (Wiremold #AL5210B2).....	21.46	5.40
26 05 33 23-0384 EA Blank End Fittings (Wiremold #AL5210B3).....	20.92	5.40
26 05 33 23-0385 EA Flat 90 Degree Elbow (Wiremold #AL5211).....	101.89	16.90
<i>Note: Includes two (2) pairs of AL5201 couplings.</i>		
26 05 33 23-0386 EA Wall Box Connector (Wiremold #AL5214).....	85.12	20.94
26 05 33 23-0387 EA Tee Fitting (Wiremold #AL5215).....	119.98	20.94
<i>Note: Includes three (3) pairs of AL5201 couplings.</i>		
26 05 33 23-0388 EA Four Way Fitting (Wiremold #AL5216).....	130.30	20.94
<i>Note: Includes four (4) pairs of AL5201 couplings.</i>		
26 05 33 23-0389 EA Internal Elbow (Wiremold #AL5217).....	107.98	20.94
<i>Note: Includes two (2) pairs of AL5201 couplings.</i>		
26 05 33 23-0390 EA Internal Corner Coupling (Wiremold #AL5217A).....	53.64	20.94
26 05 33 23-0391 EA Inverted Internal Elbow (Wiremold #AL5217N).....	110.60	20.94
26 05 33 23-0392 EA External Elbow (Wiremold #AL5218).....	108.79	20.94
<i>Note: Includes two (2) pairs of AL5201 couplings.</i>		
26 05 33 23-0393 EA Blank Device Cover Plate (Wiremold #AL5246B).....	23.04	4.06
26 05 33 23-0394 EA Receptacle Device Cover Plate (Wiremold #AL5246D).....	26.82	4.06
26 05 33 23-0395 EA Double Receptacle Device Cover Plate (Wiremold #AL5246DD).....	31.34	4.06
26 05 33 23-0396 EA Device Cover Plate (Wiremold #AL5246F).....	29.55	4.06
26 05 33 23-0397 EA Device Cover Plate (Wiremold #AL5246G).....	27.49	4.06
26 05 33 23-0398 EA Offset Divider (Wiremold #AL5260).....	27.69	8.79
26 05 33 23-0399 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) (26 05 33 23-0315)		
26 05 33 23-0400 LF Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10).....	23.72	6.08
26 05 33 23-0401 EA Cover Clip (Wiremold #ALA3806).....	11.94	4.06
26 05 33 23-0402 EA Blank End Fittings (Wiremold #ALA3810B).....	19.84	5.40
26 05 33 23-0403 EA Entrance End Cap Fittings (Wiremold #ALA3810B1).....	21.06	5.40
26 05 33 23-0404 EA Flat 90 Degree Elbow (Wiremold #ALA3811).....	100.94	16.90
<i>Note: Includes two (2) ALA01 couplings.</i>		
26 05 33 23-0405 EA Flat Tee Fitting (Wiremold #ALA3815).....	106.40	20.94
<i>Note: Includes three (3) ALA01 couplings.</i>		
26 05 33 23-0406 EA Internal Elbow (Wiremold #ALA3817).....	104.09	20.94
<i>Note: Includes two (2) ALA01 couplings.</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0407 EA Inverted Internal Elbow (Wiremold #ALA3817N) Note: Includes two (2) ALA01 couplings.	120.13	20.94
26 05 33 23-0408 EA External Elbow (Wiremold #ALA3818) Note: Includes two (2) ALA01 couplings.	105.28	20.94
26 05 33 23-0409 6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0410 LF Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10)	36.52	6.08
26 05 33 23-0411 EA Cover Clip (Wiremold #ALA4806)	16.44	4.06
26 05 33 23-0412 EA Blank End Fittings (Wiremold #ALA4810B)	21.57	5.40
26 05 33 23-0413 EA Entrance End Cap Fittings (Wiremold #ALA4810B2)	23.70	5.40
26 05 33 23-0414 EA Flat 90 Degree Elbow (Wiremold #ALA4811) Note: Includes four (4) ALA01 couplings.	131.03	16.90
26 05 33 23-0415 EA Flat Tee Fitting (Wiremold #ALA4815) Note: Includes six (6) ALA01 couplings.	178.21	20.94
26 05 33 23-0416 EA Internal Elbow (Wiremold #ALA4817) Note: Includes four (4) ALA01 couplings.	123.85	20.94
26 05 33 23-0417 EA Inverted Internal Elbow (Wiremold #ALA4817N) Note: Includes four (4) ALA01 couplings.	143.88	20.94
26 05 33 23-0418 EA External Elbow (Wiremold #ALA4818) Note: Includes four (4) ALA01 couplings.	129.49	20.94
26 05 33 23-0419 Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) <small>(26 05 33 23-0315)</small> See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420 LF 3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5) Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	7.85	0.67
26 05 33 23-0421 EA Wire Clips (Wiremold #ALAWC)	7.50	3.38
26 05 33 23-0422 EA Slide Couplings (Wiremold #ALA01)	19.29	4.06
26 05 33 23-0423 EA Grounding Adapter (Wiremold #ALA09)	16.94	4.06
26 05 33 23-0424 EA Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11R1)	46.24	16.90
26 05 33 23-0425 EA Internal Corner Coupling (Wiremold #ALA17A)	55.58	20.94
26 05 33 23-0426 EA Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18R1)	50.48	16.90
26 05 33 23-0427 EA Blank Cover Plate (Wiremold #ALA-BL)	19.50	4.06
26 05 33 23-0428 EA Duplex Receptacle Cover Plate (Wiremold #ALA-DR)	20.66	4.06
26 05 33 23-0429 EA Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E)	21.42	4.06
26 05 33 23-0430 EA Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F)	26.09	4.06
26 05 33 23-0431 EA GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G)	20.81	4.06
26 05 33 23-0432 EA Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J)	21.44	4.06
26 05 33 23-0433 EA Toggle Switch Cover Plate (Wiremold #ALA-N)	21.94	4.06
26 05 33 23-0434 EA Active LPB Cover Plate (Wiremold #ALA-LPB)	27.55	4.06
26 05 33 23-0435 EA Active MAB Cover Plate (Wiremold #ALA-MAB)	26.02	4.06
26 05 33 23-0436 EA Ortronics Cover Plate (Wiremold #ALA-MABRT)	29.67	4.06
26 05 33 23-0437 EA 1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG)	24.95	4.06
26 05 33 23-0438 EA Active 2A Cover Plate (Wiremold #ALA-2A)	28.73	4.06
26 05 33 23-0439 EA Ortronics Communications Cover Plate (Wiremold #ALA-ABRT)	26.47	4.06
26 05 33 23-0440 EA 3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z)	21.89	4.06
26 05 33 23-0441 EA Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2)	26.69	4.06
26 05 33 23-0442 Surface Non-Metallic Raceways <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface.		
26 05 33 23-0443 One Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0442)</small> Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0444 7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400) <small>(26 05 33 23-0443)</small>		
26 05 33 23-0445 LF 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC) <i>For Concrete Or Masonry Surface, Add</i>	7.98 0.27	2.71
26 05 33 23-0446 EA Wire Clip (Wiremold #400WC)	5.95	2.71
26 05 33 23-0447 EA Cover Clip (Wiremold #406)	6.29	2.71
26 05 33 23-0448 EA Blank End Clip (Wiremold #410B)	12.08	5.40
26 05 33 23-0449 EA Flat 90 Degree Elbow (Wiremold #411)	14.23	5.40
26 05 33 23-0450 EA Tee (Wiremold #415)	17.92	6.75
26 05 33 23-0451 EA Internal Elbow (Wiremold #417)	13.96	5.40
26 05 33 23-0452 EA External Elbow (Wiremold #418)	13.96	5.40
26 05 33 23-0453 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800) <small>(26 05 33 23-0443)</small>		
26 05 33 23-0454 LF 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC) <i>For Concrete Or Masonry Surface, Add</i>	8.38 0.27	2.71
26 05 33 23-0455 EA Wire Clip (Wiremold #800WC)	5.89	2.71
26 05 33 23-0456 EA Cover Clip (Wiremold #806)	6.00	2.71
26 05 33 23-0457 EA Entrance End Fitting (Wiremold #810A2)	17.43	5.40
26 05 33 23-0458 EA Blank End Fitting (Wiremold #810B)	11.88	5.40
26 05 33 23-0459 EA Flat 90 Degree Elbow (Wiremold #811)	13.49	5.40
26 05 33 23-0460 EA Tee (Wiremold #815)	16.94	6.75
26 05 33 23-0461 EA Internal Elbow (Wiremold #817)	13.26	5.40
26 05 33 23-0462 EA External Elbow (Wiremold #818)	13.26	5.40

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0463 EA End Reducer, #800 To #400 (Wiremold #889A).....	14.77	5.40
26 05 33 23-0464 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300) (26 05 33 23-0443)		
26 05 33 23-0465 LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC).....	9.47	2.71
For Concrete Or Masonry Surface, Add	0.27	
26 05 33 23-0466 LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD).....	10.03	2.71
For Concrete Or Masonry Surface, Add	0.27	
26 05 33 23-0467 EA Wire Clip (Wiremold #2300WC).....	6.13	2.71
26 05 33 23-0468 EA Cover Clip (Wiremold #2306).....	6.42	2.71
26 05 33 23-0469 EA Entrance End Fitting (Wiremold #2310A).....	18.67	5.40
26 05 33 23-0470 EA Blank End Fitting (Wiremold #2310B).....	12.41	5.40
26 05 33 23-0471 EA Divided Entrance End Fitting (Wiremold #2310DFO).....	20.81	5.40
26 05 33 23-0472 EA Flat 90 Degree Elbow (Wiremold #2311).....	13.67	5.40
26 05 33 23-0473 EA Divided Flat 90 Degree Elbow (Wiremold #2311DFO).....	14.57	5.40
26 05 33 23-0474 EA Tee (Wiremold #2315).....	17.01	6.75
26 05 33 23-0475 EA Internal Elbow (Wiremold #2317).....	13.67	5.40
26 05 33 23-0476 EA Divided Internal Elbow (Wiremold #2317DFO).....	14.59	5.40
26 05 33 23-0477 EA External Elbow (Wiremold #2318).....	13.69	5.40
26 05 33 23-0478 EA Divided External Elbow (Wiremold #2318DFO).....	14.75	5.40
26 05 33 23-0479 EA End Reducer, #2300 To #400 (Wiremold #2389).....	14.76	5.40
26 05 33 23-0480 EA End Reducer, #2300 To #800 (Wiremold #2389A).....	15.34	5.40
26 05 33 23-0481 One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) (26 05 33 23-0443)		
26 05 33 23-0482 EA Blank Cover, 4-1/2" Diameter (Wiremold #2336).....	16.06	4.73
26 05 33 23-0483 EA Extension Box, 5-1/2" Diameter (Wiremold #2337A).....	25.67	5.40
26 05 33 23-0484 EA -A Fixture Box, 5-1/2" Diameter (Wiremold #233).....	25.81	5.40
26 05 33 23-0485 EA Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344).....	23.44	5.40
26 05 33 23-0486 EA Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2).....	26.92	5.40
26 05 33 23-0487 EA Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D).....	25.40	5.40
26 05 33 23-0488 EA Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A).....	27.46	5.40
26 05 33 23-0489 EA 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347).....	24.36	8.79
26 05 33 23-0490 EA 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2).....	27.42	8.79
26 05 33 23-0491 EA 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348).....	25.26	8.79
26 05 33 23-0492 EA 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2).....	29.87	8.79
26 05 33 23-0493 EA 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3).....	35.23	8.79
26 05 33 23-0494 EA 1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP).....	33.53	8.79
26 05 33 23-0495 EA 1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D).....	30.60	8.79
26 05 33 23-0496 EA Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51).....	23.90	8.79
26 05 33 23-0497 3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) (26 05 33 23-0443)		
26 05 33 23-0498 LF 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700).....	7.16	2.71
For Concrete Or Masonry Surface, Add	0.27	
26 05 33 23-0499 EA 3/4" Wire Clip (Wiremold #2700WC).....	3.08	1.35
26 05 33 23-0500 EA Cover Clip (Wiremold #2706).....	4.58	1.35
26 05 33 23-0501 EA Blank End (Wiremold #2710B).....	7.26	2.71
26 05 33 23-0502 EA Flat 90 Degree Elbow (Wiremold #2711).....	8.65	3.38
26 05 33 23-0503 EA Tee (Wiremold #2715).....	14.09	6.08
26 05 33 23-0504 EA Internal Elbow (Wiremold #2717).....	10.01	4.06
26 05 33 23-0505 EA External Elbow (Wiremold #2718).....	10.00	4.06
26 05 33 23-0506 EA Drop Ceiling Connector (Wiremold #2786).....	11.80	4.73
26 05 33 23-0507 1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) (26 05 33 23-0443)		
26 05 33 23-0508 LF 1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800).....	8.97	3.38
For Concrete Or Masonry Surface, Add	0.34	
26 05 33 23-0509 EA 1" Wire Clip (Wiremold #2800WC).....	4.54	2.02
26 05 33 23-0510 EA Cover Clip (Wiremold #2806).....	5.85	2.02
26 05 33 23-0511 EA Blank End (Wiremold #2810B).....	8.54	3.38
26 05 33 23-0512 EA Flat 90 Degree Elbow (Wiremold #2811).....	11.34	4.73
26 05 33 23-0513 EA Radiused Flat 90 Degree Elbow (Wiremold #2811FO).....	11.98	4.73
26 05 33 23-0514 EA Tee (Wiremold #2815).....	16.74	7.44
26 05 33 23-0515 EA Internal Elbow (Wiremold #2817).....	12.66	5.40
26 05 33 23-0516 EA External Elbow (Wiremold #2818).....	12.69	5.40
26 05 33 23-0517 EA Radiused Tee (Wiremold #2815FO).....	17.61	7.44
26 05 33 23-0518 EA Radiused Internal Elbow (Wiremold #2817FO).....	13.45	5.40
26 05 33 23-0519 EA Radiused External Elbow (Wiremold #2818FO).....	13.33	5.40
26 05 33 23-0520 EA Drop Ceiling Connector (Wiremold #2886).....	14.29	6.08
26 05 33 23-0521 EA Reducer, #2800 To #2700 (Wiremold #2889).....	12.84	5.40
26 05 33 23-0522 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900) (26 05 33 23-0443)		
26 05 33 23-0523 LF 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900).....	10.78	4.06
For Concrete Or Masonry Surface, Add	0.41	
26 05 33 23-0524 EA 1-1/2" Wire Clip (Wiremold #2900WC).....	5.96	2.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0525 EA Cover Clip (Wiremold #2906).....	7.25	2.71
26 05 33 23-0526 EA Blank End (Wiremold #2910B).....	9.96	4.06
26 05 33 23-0527 EA Flat 90 Degree Elbow (Wiremold #2911).....	12.67	5.40
26 05 33 23-0528 EA Radiused Flat 90 Degree Elbow (Wiremold #2911FO).....	13.65	5.40
26 05 33 23-0529 EA Tee (Wiremold #2915).....	18.07	8.11
26 05 33 23-0530 EA Radiused Tee (Wiremold #2915FO).....	19.08	8.11
26 05 33 23-0531 EA Internal Elbow (Wiremold #2917).....	14.03	6.08
26 05 33 23-0532 EA Radiused Internal Elbow (Wiremold #2917FO).....	15.05	6.08
26 05 33 23-0533 EA External Elbow (Wiremold #2918).....	14.02	6.08
26 05 33 23-0534 EA Radiused External Elbow (Wiremold #2918FO).....	15.33	6.08
26 05 33 23-0535 EA Drop Ceiling Connector (Wiremold #2986).....	14.19	6.08
26 05 33 23-0536 EA Reducer, #2900 To #2800 (Wiremold #2989).....	15.77	6.75
26 05 33 23-0537 EA Reducer, #2900 To #2700 (Wiremold #2989A).....	15.44	6.75
26 05 33 23-0538	Two Piece Surface Non-Metallic Raceways	
	<small>(26 05 33 23-0442)</small>	
	Note: Exposed on flat wall surface. (Wiremold or approved equal).	
26 05 33 23-0539	5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500)	
	<small>(26 05 33 23-0538)</small>	
26 05 33 23-0540 LF 5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B).....	17.23	6.08
	<i>For Concrete Or Masonry Surface, Add</i>	
		0.61
26 05 33 23-0541 LF Black, Gray Or White, Cover (Wiremold #5000C).....	16.46	6.08
26 05 33 23-0542 LF Oak Veneer, Cover (Wiremold #5000COA).....	29.58	6.08
26 05 33 23-0543 LF Maple Wood Veneer, Cover (Wiremold #5000CW).....	24.39	6.08
26 05 33 23-0544 LF Black, Gray Or White, Quarter Round Trim (Wiremold #5000T).....	2.28	0.67
26 05 33 23-0545 LF Oak Veneer, Quarter Round Trim (Wiremold #5000TOA).....	8.86	0.67
26 05 33 23-0546 LF Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW).....	5.57	0.67
26 05 33 23-0547 EA Base Coupling (Wiremold #5001).....	16.18	6.75
26 05 33 23-0548 EA Blank/Coax Adapter (Wiremold #5004).....	8.96	3.38
26 05 33 23-0549 EA Low Voltage Blank Plate (Wiremold #5005).....	11.86	4.06
26 05 33 23-0550 EA Cover Clip (Wiremold #5006).....	17.28	6.75
26 05 33 23-0551 EA Internal Wire Guard (Wiremold #5006A).....	16.28	6.75
26 05 33 23-0552 EA Device Bracket (Wiremold #5007C).....	18.34	6.75
26 05 33 23-0553 EA Device Plate (Wiremold #5007C-1).....	33.54	13.52
26 05 33 23-0554 EA Deep Device Plate (Wiremold #5007C-2).....	34.60	13.52
26 05 33 23-0555 EA Right Or Left End Cap (Wiremold #5010).....	29.54	12.84
26 05 33 23-0556 EA Entrance End Feed (Wiremold #5010A).....	56.16	20.94
26 05 33 23-0557 EA Internal Base Elbow (Wiremold #5017B).....	39.63	16.90
26 05 33 23-0558 EA Internal Cover Elbow (Wiremold #5017C).....	35.30	13.52
26 05 33 23-0559 EA Internal Elbow Wire Guard (Wiremold #5017WG).....	24.41	10.13
26 05 33 23-0560 EA External Base Elbow (Wiremold #5018B).....	39.56	16.90
26 05 33 23-0561 EA External Cover Elbow (Wiremold #5018C).....	35.59	13.52
26 05 33 23-0562 EA External Elbow Wire Guard (Wiremold #5018WG).....	15.99	6.75
26 05 33 23-0563	5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400)	
	<small>(26 05 33 23-0538)</small>	
26 05 33 23-0564 LF 5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB).....	18.20	6.08
	<i>For Concrete Or Masonry Surface, Add</i>	
		0.61
26 05 33 23-0565 LF Full Width Cover (Wiremold #5400C).....	5.77	0.67
26 05 33 23-0566 LF Twin Snap Cover (Wiremold #5400TC).....	3.80	0.67
26 05 33 23-0567 EA Twin Snap Cover Wire Clips (Wiremold #5400TWC).....	7.40	3.38
26 05 33 23-0568 EA Cover Clip (Wiremold #5406A).....	11.86	4.06
26 05 33 23-0569 EA Twin Cover Clip (Wiremold #5406T).....	10.23	4.06
26 05 33 23-0570 EA Base Seam Clip (Wiremold #5406TB).....	9.32	4.06
26 05 33 23-0571 EA L Or R (Left Or Right) Transition Fitting (Wiremold #5408).....	66.75	20.94
26 05 33 23-0572 EA End Cap (Wiremold #5410).....	33.69	12.84
26 05 33 23-0573 EA Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO).....	64.35	20.94
26 05 33 23-0574 EA Radiused Flat 90 Degree Elbow (Wiremold #5411FO).....	57.90	16.90
26 05 33 23-0575 EA Tee Fitting (Wiremold #5415).....	67.31	20.94
26 05 33 23-0576 EA Radiused Tee Fitting (Wiremold #5415FO).....	70.11	20.94
26 05 33 23-0577 EA Radiused Internal Elbow (Wiremold #5417FO).....	57.06	20.94
26 05 33 23-0578 EA External Elbow (Wiremold #5418).....	57.76	20.94
26 05 33 23-0579 EA Radiused External Elbow (Wiremold #5418FO).....	58.41	20.94
26 05 33 23-0580 EA 5-5/32" x 6" Device Bracket (Wiremold #5450).....	26.35	6.75
26 05 33 23-0581 EA 7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3).....	33.98	6.75
26 05 33 23-0582 EA 2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T).....	20.71	6.75
26 05 33 23-0583 EA Transition Fitting (Wiremold #5474).....	59.72	20.94
26 05 33 23-0584	6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500)	
	<small>(26 05 33 23-0538)</small>	
26 05 33 23-0585 LF 6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3).....	21.96	6.08
	<i>For Concrete Or Masonry Surface, Add</i>	
		0.61
26 05 33 23-0586 LF Cover (Wiremold #5500C).....	7.36	0.67
26 05 33 23-0587 EA Wire Clips (Wiremold #5500WC).....	8.37	3.38
26 05 33 23-0588 EA Cover Clip (Wiremold #5506).....	13.02	4.06
26 05 33 23-0589 EA Base Seam Clip Fitting (Wiremold #5506B).....	9.71	4.06
26 05 33 23-0590 EA Modular Furniture Adapter (Wiremold #5507AD).....	12.25	4.06

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0591 EA Blank Faceplate (Wiremold #5507B)	12.30	4.06
26 05 33 23-0592 EA Duplex Receptacle Faceplate (Wiremold #5507D)	12.35	4.06
26 05 33 23-0593 EA Dual RJ Connector Faceplate (Wiremold #5507FRJ)	12.35	4.06
26 05 33 23-0594 EA Rectangular Receptacle Faceplate (Wiremold #5507R)	12.24	4.06
26 05 33 23-0595 EA Dual RJ Connector Faceplate (Wiremold #5507RJ)	12.27	4.06
26 05 33 23-0596 EA Rectangular Spacer Fitting (Wiremold #5507S)	12.18	4.06
26 05 33 23-0597 EA Switch Faceplate (Wiremold #5507SW)	12.21	4.06
26 05 33 23-0598 EA Twistlock Faceplate (Wiremold #5507T1)	12.30	4.06
26 05 33 23-0599 EA Single Receptacle Faceplate (Wiremold #5507T2)	12.07	4.06
26 05 33 23-0600 EA 6-5/8" x 6" Device Bracket (Wiremold #5550)	30.61	6.75
26 05 33 23-0601 EA 9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	40.23	6.75
26 05 33 23-0602 EA End Cap (Wiremold #5510)	35.92	12.84
26 05 33 23-0603 EA Entrance End Fitting (Wiremold #5510D)	71.52	20.94
26 05 33 23-0604 EA Radiused Flat 90 Degree Elbow (Wiremold #5511FO)	64.44	16.90
26 05 33 23-0605 EA Backfeed Connector (Wiremold #5514A)	53.08	16.90
26 05 33 23-0606 EA Tee Fitting (Wiremold #5515)	74.78	20.94
26 05 33 23-0607 EA Radiused Internal Elbow (Wiremold #5517FO)	61.63	20.94
26 05 33 23-0608 EA External Elbow (Wiremold #5518)	62.95	20.94
26 05 33 23-0609 EA Radiused External Elbow (Wiremold #5518FO)	65.72	20.94
26 05 33 23-0610 EA Transition Fitting (Wiremold #5574)	60.31	20.94
26 05 33 23-0611 EA Transition Fitting (Wiremold #5574A)	78.29	20.94
26 05 33 23-0612 Surface Cable Protection System <small>(26 05 33 23)</small>		
26 05 33 23-0613 EA 35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-3)	606.83	
Note: Modular interlocking design with hinged lid.		
26 05 33 23-0614 EA 35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-5)	458.60	
Note: Modular interlocking design with hinged lid.		
26 05 36 Cable Trays for Electrical Systems <small>(26 05)</small>		
26 05 36 00-0001 Cable Trays <small>(26 05 36)</small>		
Note: Excludes supporting hangers.		
26 05 36 00-0002 Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0001)</small>		
26 05 36 00-0003 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0002)</small>		
26 05 36 00-0004 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0005 LF 6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.24	14.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.24	
26 05 36 00-0006 LF 9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	47.74	15.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.51	
26 05 36 00-0007 LF 12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	52.13	16.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.84	
26 05 36 00-0008 LF 18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	57.70	17.45
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.32	
26 05 36 00-0009 LF 24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	62.96	18.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.80	
26 05 36 00-0010 LF 30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	76.31	20.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-5.90	
26 05 36 00-0011 LF 36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	85.79	23.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-6.60	
26 05 36 00-0012 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0013 LF 6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	41.92	13.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.03	
26 05 36 00-0014 LF 9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	45.26	14.79
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.29	
26 05 36 00-0015 LF 12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	48.41	16.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.50	
26 05 36 00-0016 LF 18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	52.81	17.01
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.87	
26 05 36 00-0017 LF 24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	56.68	17.60
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.21	
26 05 36 00-0018 LF 30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	66.49	20.27
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.96	
26 05 36 00-0019 LF 36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	72.69	22.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-5.42	
26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0021 LF 6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.47	13.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0022 LF 9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	41.72 -2.99	14.20
26 05 36 00-0023 LF 12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	45.75 -3.32	15.09
26 05 36 00-0024 LF 18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	49.89 -3.67	15.83
26 05 36 00-0025 LF 24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	53.75 -4.02	16.27
26 05 36 00-0026 LF 30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	58.56 -4.38	17.75
26 05 36 00-0027 LF 36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	62.99 -4.70	19.22
26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0029 LF 6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	39.22 -2.82	13.16
26 05 36 00-0030 LF 9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	40.04 -2.88	13.45
26 05 36 00-0031 LF 12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	42.37 -3.06	14.20
26 05 36 00-0032 LF 18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	44.85 -3.24	14.94
26 05 36 00-0033 LF 24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	46.50 -3.41	14.94
26 05 36 00-0034 LF 30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	51.26 -3.78	16.12
26 05 36 00-0035 LF 36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	53.98 -3.99	16.86
26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0037 LF 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	38.66 -2.79	12.86
26 05 36 00-0038 LF 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	39.35 -2.84	13.16
26 05 36 00-0039 LF 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	41.68 -3.01	13.91
26 05 36 00-0040 LF 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	43.75 -3.16	14.50
26 05 36 00-0041 LF 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	44.42 -3.22	14.65
26 05 36 00-0042 LF 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	47.27 -3.42	15.68
26 05 36 00-0043 LF 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	49.36 -3.56	16.57
26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0046 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	358.25 -23.47	148.35
26 05 36 00-0047 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	401.50 -26.07	168.91
26 05 36 00-0048 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	441.71 -28.61	186.80
26 05 36 00-0049 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	550.85 -36.01	228.95
26 05 36 00-0050 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	628.52 -40.95	262.83
26 05 36 00-0051 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	743.37 -49.69	295.81
26 05 36 00-0052 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	856.16 -57.44	338.10
26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0054	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	486.34 -35.78	154.26
26 05 36 00-0055	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	531.83 -38.40	177.33
26 05 36 00-0056	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	573.75 -40.94	197.16
26 05 36 00-0057	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	672.59 -46.85	244.92
26 05 36 00-0058	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	757.30 -52.06	284.12
26 05 36 00-0059	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	845.98 -57.73	322.42
26 05 36 00-0060	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	989.22 -67.80	373.46
26 05 36 00-0061		36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0062	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	522.61 -38.83	161.21
26 05 36 00-0063	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	578.97 -42.35	186.66
26 05 36 00-0064	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	628.50 -45.44	208.84
26 05 36 00-0065	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	758.98 -53.99	262.83
26 05 36 00-0066	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	866.89 -60.98	308.53
26 05 36 00-0067	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,014.75 -71.89	354.96
26 05 36 00-0068	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,156.96 -80.94	417.09
26 05 36 00-0069		12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0070	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	265.53 -46.42 -83.34 -17.60	107.52
26 05 36 00-0071	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	304.77 -51.16 -92.43 -19.73	128.97
26 05 36 00-0072	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	339.95 -55.49 -100.69 -21.67	147.91
26 05 36 00-0073	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	410.23 -63.73 -116.60 -25.45	186.95
26 05 36 00-0074	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	508.53 -80.05 -146.14 -31.77	228.95
26 05 36 00-0075	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	600.31 -97.34 -176.84 -38.13	262.83
26 05 36 00-0076	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	683.53 -107.28 -195.95 -42.64	308.53



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0077				24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0078	EA			6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	294.09	110.93
				For 60 Degree Bend, Deduct	-54.55	
				For 30 Degree Bend, Deduct	-97.08	
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.17	
26 05 36 00-0079	EA			9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	339.24	133.70
				For 60 Degree Bend, Deduct	-60.69	
				For 30 Degree Bend, Deduct	-108.57	
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.78	
26 05 36 00-0080	EA			12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	387.79	154.41
				For 60 Degree Bend, Deduct	-68.79	
				For 30 Degree Bend, Deduct	-123.22	
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.91	
26 05 36 00-0081	EA			18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	462.68	197.16
				For 60 Degree Bend, Deduct	-77.09	
				For 30 Degree Bend, Deduct	-139.44	
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.83	
26 05 36 00-0082	EA			24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	570.33	244.92
				For 60 Degree Bend, Deduct	-94.34	
				For 30 Degree Bend, Deduct	-170.84	
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.63	
26 05 36 00-0083	EA			30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	667.38	284.12
				For 60 Degree Bend, Deduct	-111.34	
				For 30 Degree Bend, Deduct	-201.36	
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.07	
26 05 36 00-0084	EA			36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	785.80	338.25
				For 60 Degree Bend, Deduct	-129.67	
				For 30 Degree Bend, Deduct	-234.91	
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.40	
26 05 36 00-0085				36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0086	EA			6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	347.62	114.48
				For 60 Degree Bend, Deduct	-70.85	
				For 30 Degree Bend, Deduct	-124.45	
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.23	
26 05 36 00-0087	EA			9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	397.41	139.03
				For 60 Degree Bend, Deduct	-77.86	
				For 30 Degree Bend, Deduct	-137.49	
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.16	
26 05 36 00-0088	EA			12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	438.18	161.36
				For 60 Degree Bend, Deduct	-82.75	
				For 30 Degree Bend, Deduct	-146.88	
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.37	
26 05 36 00-0089	EA			18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	531.53	208.84
				For 60 Degree Bend, Deduct	-95.33	
				For 30 Degree Bend, Deduct	-170.48	
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.74	
26 05 36 00-0090	EA			24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	632.04	262.83
				For 60 Degree Bend, Deduct	-107.81	
				For 30 Degree Bend, Deduct	-194.29	
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.30	
26 05 36 00-0091	EA			30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	764.63	308.53
				For 60 Degree Bend, Deduct	-134.05	
				For 30 Degree Bend, Deduct	-240.55	
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.75	
26 05 36 00-0092	EA			36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	901.06	373.46
				For 60 Degree Bend, Deduct	-154.18	
				For 30 Degree Bend, Deduct	-277.71	
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.98	
26 05 36 00-0093				12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0094 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....383.47 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -26.02	383.47	147.91
26 05 36 00-0095 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....421.71 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -28.09	421.71	168.91
26 05 36 00-0096 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....456.07 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -30.05	456.07	186.80
26 05 36 00-0097 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....532.71 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -34.19	532.71	228.95
26 05 36 00-0098 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....595.52 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -37.65	595.52	262.83
26 05 36 00-0099 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....663.02 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -41.65	663.02	295.81
26 05 36 00-0100 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....739.11 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -45.77	739.11	337.66
26 05 36 00-0101 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0102 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....450.77 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -32.22	450.77	154.26
26 05 36 00-0103 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....494.16 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -34.63	494.16	177.48
26 05 36 00-0104 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....534.90 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -37.06	534.90	197.16
26 05 36 00-0105 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....625.36 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -42.13	625.36	244.92
26 05 36 00-0106 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....701.70 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -46.50	701.70	284.12
26 05 36 00-0107 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....778.29 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -50.96	778.29	322.42
26 05 36 00-0108 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....893.25 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -58.20	893.25	373.46
26 05 36 00-0109 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0110 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....530.04 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -39.57	530.04	161.21
26 05 36 00-0111 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....582.00 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -42.64	582.00	186.80
26 05 36 00-0112 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....622.08 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -44.80	622.08	208.84
26 05 36 00-0113 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....734.05 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -51.50	734.05	262.83
26 05 36 00-0114 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....813.37 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -55.62	813.37	308.53
26 05 36 00-0115 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....931.64 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -63.58	931.64	354.96
26 05 36 00-0116 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....1,057.10 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -70.96	1,057.10	417.09
26 05 36 00-0117 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0118 EA 6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....692.82 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -45.61	692.82	284.12
26 05 36 00-0119 EA 9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....750.02 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -49.29	750.02	308.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0120 EA 12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	786.29	322.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.76	
26 05 36 00-0121 EA 18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	876.48	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.07	
26 05 36 00-0122 EA 24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	990.74	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.24	
26 05 36 00-0123 EA 30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,095.81	417.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.76	
26 05 36 00-0124 EA 36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,240.26	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.61	
26 05 36 00-0125 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0126 EA 6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	858.08	308.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.09	
26 05 36 00-0127 EA 9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	923.83	338.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.20	
26 05 36 00-0128 EA 12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	964.88	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.91	
26 05 36 00-0129 EA 18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,059.50	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.11	
26 05 36 00-0130 EA 24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,178.28	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.85	
26 05 36 00-0131 EA 30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,266.45	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.23	
26 05 36 00-0132 EA 36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,523.03	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.77	
26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0134 EA 6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,077.72	338.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.59	
26 05 36 00-0135 EA 9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,156.21	373.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.50	
26 05 36 00-0136 EA 12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,226.49	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.81	
26 05 36 00-0137 EA 18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,351.82	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.21	
26 05 36 00-0138 EA 24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,535.08	506.57
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.30	
26 05 36 00-0139 EA 30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,663.83	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.85	
26 05 36 00-0140 EA 36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,883.64	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.62	
26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0142 EA 6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	811.37	262.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.23	
26 05 36 00-0143 EA 9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	831.91	273.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.42	
26 05 36 00-0144 EA 12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	853.26	284.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.65	
26 05 36 00-0145 EA 18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	900.64	308.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.35	
26 05 36 00-0146 EA 24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	930.36	322.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.16	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0147	EA		30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,010.73	354.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.49	
26 05 36 00-0148	EA		36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,092.25	394.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.39	
26 05 36 00-0149			24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0150	EA		6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,147.95	284.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.12	
26 05 36 00-0151	EA		9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,177.35	295.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.08	
26 05 36 00-0152	EA		12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,208.43	308.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.13	
26 05 36 00-0153	EA		18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,277.46	338.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.56	
26 05 36 00-0154	EA		24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,325.06	354.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.93	
26 05 36 00-0155	EA		30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,409.86	394.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.15	
26 05 36 00-0156	EA		36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,525.36	443.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.56	
26 05 36 00-0157			36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0158	EA		6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,774.89	308.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-151.78	
26 05 36 00-0159	EA		9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,814.43	322.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-154.57	
26 05 36 00-0160	EA		12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,857.01	338.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-157.52	
26 05 36 00-0161	EA		18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,932.22	373.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-162.10	
26 05 36 00-0162	EA		24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,982.87	394.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-165.45	
26 05 36 00-0163	EA		30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,114.74	443.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-174.50	
26 05 36 00-0164	EA		36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,235.79	506.57
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-181.37	
26 05 36 00-0165			12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0166	EA		6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	863.38	354.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.76	
26 05 36 00-0167	EA		9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	907.36	373.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.61	
26 05 36 00-0168	EA		12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	967.82	394.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.94	
26 05 36 00-0169	EA		18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,036.87	417.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.87	
26 05 36 00-0170	EA		24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,168.22	473.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.40	
26 05 36 00-0171	EA		30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,299.33	506.57
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.72	
26 05 36 00-0172	EA		36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,418.25	546.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0173 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0174 EA 6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,183.93	394.01
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.56	
26 05 36 00-0175 EA 9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,239.88	417.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.17	
26 05 36 00-0176 EA 12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,299.43	443.71
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.97	
26 05 36 00-0177 EA 18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,384.33	473.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-99.01	
26 05 36 00-0178 EA 24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,545.95	546.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-109.06	
26 05 36 00-0179 EA 30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,663.81	591.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-117.08	
26 05 36 00-0180 EA 36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,860.72	644.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-132.33	
 26 05 36 00-0181 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0182 EA 6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,476.25	443.71
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-110.65	
26 05 36 00-0183 EA 9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,557.87	473.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-116.37	
26 05 36 00-0184 EA 12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,646.41	506.57
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-122.43	
26 05 36 00-0185 EA 18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,794.80	546.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-133.94	
26 05 36 00-0186 EA 24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,057.18	644.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-151.97	
26 05 36 00-0187 EA 30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,245.49	708.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-165.48	
26 05 36 00-0188 EA 36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,461.88	789.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-180.40	
 26 05 36 00-0189 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0190 EA 6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	985.68	354.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.99	
26 05 36 00-0191 EA 9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,035.76	373.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.44	
26 05 36 00-0192 EA 12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,107.69	394.01
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.94	
26 05 36 00-0193 EA 18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,190.37	417.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-84.21	
26 05 36 00-0194 EA 24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,339.14	473.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-94.49	
26 05 36 00-0195 EA 30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,504.52	506.72
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-108.22	
26 05 36 00-0196 EA 36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,645.53	545.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-119.07	
 26 05 36 00-0197 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0198 EA 6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,421.15	394.01
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-109.28	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0199 EA 9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,484.47	417.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-173.63	
26 05 36 00-0200 EA 12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,551.39	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.16	
26 05 36 00-0201 EA 18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,652.50	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.83	
26 05 36 00-0202 EA 24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,831.80	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.64	
26 05 36 00-0203 EA 30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,968.81	591.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-147.58	
26 05 36 00-0204 EA 36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,214.35	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-167.69	
26 05 36 00-0205 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0206 EA 6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,807.77	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-143.80	
26 05 36 00-0207 EA 9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,904.13	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-150.99	
26 05 36 00-0208 EA 12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,007.41	506.57
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-158.53	
26 05 36 00-0209 EA 18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,192.63	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-173.73	
26 05 36 00-0210 EA 24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,499.22	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-196.18	
26 05 36 00-0211 EA 30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,724.36	708.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-213.37	
26 05 36 00-0212 EA 36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,977.59	789.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-231.97	
26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0215 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	342.38	148.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.88	
26 05 36 00-0216 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.37	168.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.36	
26 05 36 00-0217 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	423.07	186.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.75	
26 05 36 00-0218 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	526.67	228.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.59	
26 05 36 00-0219 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	601.31	262.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.23	
26 05 36 00-0220 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	707.60	295.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.11	
26 05 36 00-0221 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	814.34	338.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.26	
26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0223 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	453.60	154.26
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.50	
26 05 36 00-0224 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	498.08	177.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0225 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	538.74	197.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.44	
26 05 36 00-0226 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	634.80	244.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.07	
26 05 36 00-0227 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	716.75	284.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.00	
26 05 36 00-0228 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	801.91	322.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.32	
26 05 36 00-0229 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	936.83	373.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.56	
26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0231 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.34	161.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.20	
26 05 36 00-0232 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	540.69	186.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.52	
26 05 36 00-0233 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	588.46	208.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.44	
26 05 36 00-0234 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	713.14	262.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.41	
26 05 36 00-0235 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	816.52	308.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.94	
26 05 36 00-0236 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	954.31	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.85	
26 05 36 00-0237 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,090.97	417.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.35	
26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0239 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	253.19	107.52
<i>For 60 Degree Bend, Deduct</i>	-42.35	
<i>For 30 Degree Bend, Deduct</i>	-76.56	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.36	
26 05 36 00-0240 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	291.92	128.97
<i>For 60 Degree Bend, Deduct</i>	-46.92	
<i>For 30 Degree Bend, Deduct</i>	-85.36	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.45	
26 05 36 00-0241 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	326.61	147.91
<i>For 60 Degree Bend, Deduct</i>	-51.08	
<i>For 30 Degree Bend, Deduct</i>	-93.36	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.34	
26 05 36 00-0242 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.13	186.95
<i>For 60 Degree Bend, Deduct</i>	-59.08	
<i>For 30 Degree Bend, Deduct</i>	-108.85	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.04	
26 05 36 00-0243 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	490.40	228.95
<i>For 60 Degree Bend, Deduct</i>	-74.07	
<i>For 30 Degree Bend, Deduct</i>	-136.16	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.96	
26 05 36 00-0244 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	577.13	262.83
<i>For 60 Degree Bend, Deduct</i>	-89.69	
<i>For 30 Degree Bend, Deduct</i>	-164.09	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.81	
26 05 36 00-0245 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	659.35	308.53
<i>For 60 Degree Bend, Deduct</i>	-99.30	
<i>For 30 Degree Bend, Deduct</i>	-182.65	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.22	
26 05 36 00-0246 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0247	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	278.48	110.93
			<i>For 60 Degree Bend, Deduct</i>	-49.40	
			<i>For 30 Degree Bend, Deduct</i>	-88.49	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.61	
26 05 36 00-0248	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	322.62	133.70
			<i>For 60 Degree Bend, Deduct</i>	-55.20	
			<i>For 30 Degree Bend, Deduct</i>	-99.43	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.12	
26 05 36 00-0249	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	369.15	154.41
			<i>For 60 Degree Bend, Deduct</i>	-62.64	
			<i>For 30 Degree Bend, Deduct</i>	-112.97	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.05	
26 05 36 00-0250	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	443.53	197.16
			<i>For 60 Degree Bend, Deduct</i>	-70.77	
			<i>For 30 Degree Bend, Deduct</i>	-128.90	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.92	
26 05 36 00-0251	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	547.15	244.92
			<i>For 60 Degree Bend, Deduct</i>	-86.69	
			<i>For 30 Degree Bend, Deduct</i>	-158.09	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.31	
26 05 36 00-0252	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	639.68	284.12
			<i>For 60 Degree Bend, Deduct</i>	-102.20	
			<i>For 30 Degree Bend, Deduct</i>	-186.12	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.30	
26 05 36 00-0253	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	754.07	338.25
			<i>For 60 Degree Bend, Deduct</i>	-119.20	
			<i>For 30 Degree Bend, Deduct</i>	-217.46	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.22	
26 05 36 00-0254			36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0255	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.20	114.48
			<i>For 60 Degree Bend, Deduct</i>	-63.46	
			<i>For 30 Degree Bend, Deduct</i>	-112.12	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.99	
26 05 36 00-0256	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	373.74	139.03
			<i>For 60 Degree Bend, Deduct</i>	-70.05	
			<i>For 30 Degree Bend, Deduct</i>	-124.47	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.79	
26 05 36 00-0257	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.00	161.36
			<i>For 60 Degree Bend, Deduct</i>	-74.77	
			<i>For 30 Degree Bend, Deduct</i>	-133.58	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.95	
26 05 36 00-0258	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	505.34	208.84
			<i>For 60 Degree Bend, Deduct</i>	-86.68	
			<i>For 30 Degree Bend, Deduct</i>	-156.08	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.13	
26 05 36 00-0259	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	604.34	262.83
			<i>For 60 Degree Bend, Deduct</i>	-98.67	
			<i>For 30 Degree Bend, Deduct</i>	-179.05	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.53	
26 05 36 00-0260	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	728.86	308.53
			<i>For 60 Degree Bend, Deduct</i>	-122.24	
			<i>For 30 Degree Bend, Deduct</i>	-220.88	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.17	
26 05 36 00-0261	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	861.26	373.46
			<i>For 60 Degree Bend, Deduct</i>	-141.04	
			<i>For 30 Degree Bend, Deduct</i>	-255.82	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.00	
26 05 36 00-0262			12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0263	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	372.51	147.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.93	
26 05 36 00-0264	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	410.51	168.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0265 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	444.48	186.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.89	
26 05 36 00-0266 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	520.62	228.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.98	
26 05 36 00-0267 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	582.93	262.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.39	
26 05 36 00-0268 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	649.42	295.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.29	
26 05 36 00-0269 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	725.01	337.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.36	
26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0271 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	435.28	154.26
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.67	
26 05 36 00-0272 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	478.29	177.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.04	
26 05 36 00-0273 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	518.40	197.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.41	
26 05 36 00-0274 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	607.98	244.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.39	
26 05 36 00-0275 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	683.44	284.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.67	
26 05 36 00-0276 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	759.02	322.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.03	
26 05 36 00-0277 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	871.59	373.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.03	
26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0279 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	509.13	161.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.48	
26 05 36 00-0280 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	560.34	186.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.47	
26 05 36 00-0281 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	600.17	208.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.61	
26 05 36 00-0282 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	710.37	262.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.13	
26 05 36 00-0283 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	789.44	308.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.23	
26 05 36 00-0284 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	904.43	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.86	
26 05 36 00-0285 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,028.13	417.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.06	
26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0287 EA 6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	675.95	284.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.92	
26 05 36 00-0288 EA 9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	731.89	308.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.48	
26 05 36 00-0289 EA 12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	767.15	322.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.84	
26 05 36 00-0290 EA 18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	854.56	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.88	
26 05 36 00-0291 EA 24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	965.05	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.67	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0292 EA 30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,065.08	417.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.69	
26 05 36 00-0293 EA 36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,205.50	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.13	
26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0295 EA 6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	831.63	308.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.45	
26 05 36 00-0296 EA 9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	896.12	338.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.43	
26 05 36 00-0297 EA 12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	936.17	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.04	
26 05 36 00-0298 EA 18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,028.52	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.01	
26 05 36 00-0299 EA 24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,144.53	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.48	
26 05 36 00-0300 EA 30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,229.68	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.55	
26 05 36 00-0301 EA 36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,475.93	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.06	
26 05 36 00-0302 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0303 EA 6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,038.18	338.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.64	
26 05 36 00-0304 EA 9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,115.15	373.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.39	
26 05 36 00-0305 EA 12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,182.67	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.43	
26 05 36 00-0306 EA 18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,304.72	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.50	
26 05 36 00-0307 EA 24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,481.94	506.57
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.98	
26 05 36 00-0308 EA 30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,605.90	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.05	
26 05 36 00-0309 EA 36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,821.43	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-128.40	
26 05 36 00-0310 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0311 EA 6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	782.66	262.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.36	
26 05 36 00-0312 EA 9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	802.94	273.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.53	
26 05 36 00-0313 EA 12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	824.05	284.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.73	
26 05 36 00-0314 EA 18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	870.92	308.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.38	
26 05 36 00-0315 EA 24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	900.14	322.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.14	
26 05 36 00-0316 EA 30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	978.49	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.27	
26 05 36 00-0317 EA 36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,058.75	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.04	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0318				24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0319	EA			6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,096.07	284.12
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.94	
26 05 36 00-0320	EA			9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,124.71	295.81
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.82	
26 05 36 00-0321	EA			12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,155.03	308.53
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.79	
26 05 36 00-0322	EA			18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,222.55	338.25
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.07	
26 05 36 00-0323	EA			24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,268.64	354.96
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.28	
26 05 36 00-0324	EA			30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,351.93	394.01
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.36	
26 05 36 00-0325	EA			36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,464.91	443.71
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.52	
26 05 36 00-0326				36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0327	EA			6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,677.92	308.53
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.08	
26 05 36 00-0328	EA			9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,716.20	322.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-144.75	
26 05 36 00-0329	EA			12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,757.52	338.25
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-147.57	
26 05 36 00-0330	EA			18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,831.48	373.46
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-152.02	
26 05 36 00-0331	EA			24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,880.86	394.01
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-155.25	
26 05 36 00-0332	EA			30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,008.95	443.71
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-163.92	
26 05 36 00-0333	EA			36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,128.75	506.57
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-170.67	
26 05 36 00-0334				12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0335	EA			6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	842.47	354.96
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.67	
26 05 36 00-0336	EA			9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	885.44	373.46
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.42	
26 05 36 00-0337	EA			12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	943.89	394.01
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.55	
26 05 36 00-0338	EA			18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,010.68	417.83
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.25	
26 05 36 00-0339	EA			24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,139.01	473.00
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.48	
26 05 36 00-0340	EA			30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,264.32	506.57
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.22	
26 05 36 00-0341	EA			36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,379.21	546.50
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.38	
26 05 36 00-0342				24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0343	EA			6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,143.38	394.01
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.50	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0344 EA 9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,198.07	417.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.99	
26 05 36 00-0345 EA 12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,256.36	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.66	
26 05 36 00-0346 EA 18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,338.49	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.43	
26 05 36 00-0347 EA 24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,497.09	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.17	
26 05 36 00-0348 EA 30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,611.67	591.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.87	
26 05 36 00-0349 EA 36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,800.27	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.28	
26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0351 EA 6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,419.57	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.98	
26 05 36 00-0352 EA 9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,498.68	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.45	
26 05 36 00-0353 EA 12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,584.70	506.57
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.26	
26 05 36 00-0354 EA 18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,726.80	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-127.14	
26 05 36 00-0355 EA 24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,981.62	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-144.42	
26 05 36 00-0356 EA 30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,163.63	708.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-157.30	
26 05 36 00-0357 EA 36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,373.72	789.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-171.58	
26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0359 EA 6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	955.36	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.96	
26 05 36 00-0360 EA 9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,003.98	373.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.26	
26 05 36 00-0361 EA 12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,072.99	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.47	
26 05 36 00-0362 EA 18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,152.39	417.98
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.41	
26 05 36 00-0363 EA 24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,296.78	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.26	
26 05 36 00-0364 EA 30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,453.76	506.72
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.15	
26 05 36 00-0365 EA 36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,588.92	545.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.41	
26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0367 EA 6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,362.35	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.40	
26 05 36 00-0368 EA 9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,423.85	417.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.57	
26 05 36 00-0369 EA 12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,488.94	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.92	
26 05 36 00-0370 EA 18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,586.03	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0371 EA 24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,760.95	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.56	
26 05 36 00-0372 EA 30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,893.21	591.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-140.02	
26 05 36 00-0373 EA 36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,126.70	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-158.93	
26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0375 EA 6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,725.60	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-135.58	
26 05 36 00-0376 EA 9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,818.30	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.41	
26 05 36 00-0377 EA 12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,917.93	506.57
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-149.58	
26 05 36 00-0378 EA 18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,094.02	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-163.87	
26 05 36 00-0379 EA 24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,389.65	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-185.22	
26 05 36 00-0380 EA 30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,605.67	708.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-201.50	
26 05 36 00-0381 EA 36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,849.76	789.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-219.18	
26 05 36 00-0382 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0383 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0384 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	326.51	148.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.29	
26 05 36 00-0385 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	367.25	168.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.64	
26 05 36 00-0386 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	404.43	186.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.88	
26 05 36 00-0387 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	502.49	228.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.17	
26 05 36 00-0388 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	574.11	262.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.51	
26 05 36 00-0389 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	671.84	295.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.53	
26 05 36 00-0390 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	772.53	338.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.08	
26 05 36 00-0391 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0392 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	420.86	154.26
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.23	
26 05 36 00-0393 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	464.32	177.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.65	
26 05 36 00-0394 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	503.73	197.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.94	
26 05 36 00-0395 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	597.02	244.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.30	
26 05 36 00-0396 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	676.20	284.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.95	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0397	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	757.83 -48.91	322.42
26 05 36 00-0398	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	884.44 -57.32	373.46
26 05 36 00-0399			36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0400	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	450.07 -31.57	161.21
26 05 36 00-0401	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	502.40 -34.69	186.66
26 05 36 00-0402	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	548.41 -37.43	208.84
26 05 36 00-0403	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	667.30 -44.83	262.83
26 05 36 00-0404	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	766.14 -50.90	308.53
26 05 36 00-0405	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	893.86 -59.81	354.96
26 05 36 00-0406	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,024.98 -67.75	417.09
26 05 36 00-0407			12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0408	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	240.85 -38.28 -69.77 -15.13	107.52
26 05 36 00-0409	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	279.08 -42.68 -78.30 -17.17	128.97
26 05 36 00-0410	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	313.26 -46.68 -86.01 -19.00	147.91
26 05 36 00-0411	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	382.02 -54.42 -101.09 -22.63	186.95
26 05 36 00-0412	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	472.26 -68.08 -126.19 -28.15	228.95
26 05 36 00-0413	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	553.96 -82.04 -151.34 -33.49	262.83
26 05 36 00-0414	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	635.17 -91.32 -169.35 -37.80	308.53
26 05 36 00-0415			24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0416	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	262.86 -44.24 -79.90 -17.05	110.93
26 05 36 00-0417	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	306.00 -49.72 -90.29 -19.46	133.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0418 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.51	154.41
<i>For 60 Degree Bend, Deduct</i>	-56.48	
<i>For 30 Degree Bend, Deduct</i>	-102.72	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.19	
26 05 36 00-0419 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	424.39	197.16
<i>For 60 Degree Bend, Deduct</i>	-64.45	
<i>For 30 Degree Bend, Deduct</i>	-118.38	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.01	
26 05 36 00-0420 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	523.98	244.92
<i>For 60 Degree Bend, Deduct</i>	-79.05	
<i>For 30 Degree Bend, Deduct</i>	-145.35	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.99	
26 05 36 00-0421 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	611.97	284.12
<i>For 60 Degree Bend, Deduct</i>	-93.06	
<i>For 30 Degree Bend, Deduct</i>	-170.88	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.53	
26 05 36 00-0422 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	722.33	338.25
<i>For 60 Degree Bend, Deduct</i>	-108.73	
<i>For 30 Degree Bend, Deduct</i>	-200.00	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.05	
26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0424 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	302.78	114.48
<i>For 60 Degree Bend, Deduct</i>	-56.06	
<i>For 30 Degree Bend, Deduct</i>	-99.78	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.74	
26 05 36 00-0425 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.06	139.03
<i>For 60 Degree Bend, Deduct</i>	-62.23	
<i>For 30 Degree Bend, Deduct</i>	-111.45	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.42	
26 05 36 00-0426 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.82	161.36
<i>For 60 Degree Bend, Deduct</i>	-66.79	
<i>For 30 Degree Bend, Deduct</i>	-120.28	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.54	
26 05 36 00-0427 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.14	208.84
<i>For 60 Degree Bend, Deduct</i>	-78.04	
<i>For 30 Degree Bend, Deduct</i>	-141.67	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.51	
26 05 36 00-0428 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	576.63	262.83
<i>For 60 Degree Bend, Deduct</i>	-89.52	
<i>For 30 Degree Bend, Deduct</i>	-163.81	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.76	
26 05 36 00-0429 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	693.10	308.53
<i>For 60 Degree Bend, Deduct</i>	-110.44	
<i>For 30 Degree Bend, Deduct</i>	-201.21	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.60	
26 05 36 00-0430 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	821.47	373.46
<i>For 60 Degree Bend, Deduct</i>	-127.91	
<i>For 30 Degree Bend, Deduct</i>	-233.94	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.02	
26 05 36 00-0431 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0432 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	356.07	147.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.28	
26 05 36 00-0433 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	393.69	168.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.29	
26 05 36 00-0434 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	427.10	186.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.15	
26 05 36 00-0435 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	502.49	228.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.17	
26 05 36 00-0436 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	564.04	262.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.50	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0437	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	629.02	295.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.25	
26 05 36 00-0438	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	703.85	337.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.25	
26 05 36 00-0439			24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0440	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.04	154.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.35	
26 05 36 00-0441	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	454.49	177.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.66	
26 05 36 00-0442	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	493.66	197.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.93	
26 05 36 00-0443	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	581.91	244.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.79	
26 05 36 00-0444	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	656.05	284.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.93	
26 05 36 00-0445	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	730.12	322.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.14	
26 05 36 00-0446	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	839.10	373.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.79	
26 05 36 00-0447			36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0448	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	477.77	161.21
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.34	
26 05 36 00-0449	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	527.85	186.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.22	
26 05 36 00-0450	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	567.30	208.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.32	
26 05 36 00-0451	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	674.86	262.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.58	
26 05 36 00-0452	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	753.55	308.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.64	
26 05 36 00-0453	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	863.63	354.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.78	
26 05 36 00-0454	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	984.68	417.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.72	
26 05 36 00-0455			12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0456	EA		6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	642.19	284.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.55	
26 05 36 00-0457	EA		9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	695.62	308.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.85	
26 05 36 00-0458	EA		12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	728.86	322.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.01	
26 05 36 00-0459	EA		18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	810.74	354.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.49	
26 05 36 00-0460	EA		24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	913.67	394.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.53	
26 05 36 00-0461	EA		30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,003.62	417.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.55	
26 05 36 00-0462	EA		36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,135.98	473.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0463				24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0464	EA			6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	778.74	308.53
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.16	
26 05 36 00-0465	EA			9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	840.71	338.25
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.89	
26 05 36 00-0466	EA			12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	878.74	354.96
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.29	
26 05 36 00-0467	EA			18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	966.56	394.01
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.82	
26 05 36 00-0468	EA			24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,077.03	443.71
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.73	
26 05 36 00-0469	EA			30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,156.13	473.00
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.19	
26 05 36 00-0470	EA			36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,381.73	546.50
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.64	
26 05 36 00-0471				36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0472	EA			6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	959.09	338.25
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.73	
26 05 36 00-0473	EA			9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,033.04	373.46
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.18	
26 05 36 00-0474	EA			12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,095.02	394.01
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.66	
26 05 36 00-0475	EA			18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,210.52	443.71
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.08	
26 05 36 00-0476	EA			24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,375.65	506.57
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.36	
26 05 36 00-0477	EA			30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,490.04	546.50
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.47	
26 05 36 00-0478	EA			36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,697.00	644.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.96	
26 05 36 00-0479				12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0480	EA			6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	725.23	262.83
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.62	
26 05 36 00-0481	EA			9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	745.01	273.17
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.73	
26 05 36 00-0482	EA			12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	765.61	284.12
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.89	
26 05 36 00-0483	EA			18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	811.48	308.53
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.43	
26 05 36 00-0484	EA			24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	839.69	322.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.10	
26 05 36 00-0485	EA			30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	914.01	354.96
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.82	
26 05 36 00-0486	EA			36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	991.75	394.01
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.34	
26 05 36 00-0487				24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0488	EA			6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	992.30	284.12
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.56	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0489	EA		9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,019.42	295.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.29	
26 05 36 00-0490	EA		12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,048.24	308.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.11	
26 05 36 00-0491	EA		18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,112.73	338.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.09	
26 05 36 00-0492	EA		24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,155.80	354.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.00	
26 05 36 00-0493	EA		30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,236.07	394.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.77	
26 05 36 00-0494	EA		36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,344.01	443.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.43	
26 05 36 00-0495			36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0496	EA		6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,483.98	308.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.68	
26 05 36 00-0497	EA		9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,519.74	322.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.10	
26 05 36 00-0498	EA		12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,558.54	338.25
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-127.67	
26 05 36 00-0499	EA		18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,629.98	373.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-131.87	
26 05 36 00-0500	EA		24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,676.84	394.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.85	
26 05 36 00-0501	EA		30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,797.38	443.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.76	
26 05 36 00-0502	EA		36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,914.66	506.57
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-149.26	
26 05 36 00-0503			12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0504	EA		6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	800.66	354.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.49	
26 05 36 00-0505	EA		9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	841.62	373.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.04	
26 05 36 00-0506	EA		12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	896.04	394.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.77	
26 05 36 00-0507	EA		18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	958.29	417.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.01	
26 05 36 00-0508	EA		24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,080.57	473.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.64	
26 05 36 00-0509	EA		30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,194.30	506.57
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.22	
26 05 36 00-0510	EA		36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,301.13	546.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.58	
26 05 36 00-0511			24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0512	EA		6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,062.27	394.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.39	
26 05 36 00-0513	EA		9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,114.45	417.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.63	
26 05 36 00-0514	EA		12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,170.22	443.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.05	
26 05 36 00-0515	EA		18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,246.81	473.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0516 EA 24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,399.36	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.40	
26 05 36 00-0517 EA 30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,507.40	591.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.44	
26 05 36 00-0518 EA 36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,679.37	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.19	
26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0520 EA 6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,306.23	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.65	
26 05 36 00-0521 EA 9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,380.30	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.61	
26 05 36 00-0522 EA 12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,461.29	506.57
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.92	
26 05 36 00-0523 EA 18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,590.78	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.54	
26 05 36 00-0524 EA 24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,830.50	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.31	
26 05 36 00-0525 EA 30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,999.91	708.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-140.92	
26 05 36 00-0526 EA 36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,197.41	789.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-153.95	
26 05 36 00-0527 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0528 EA 6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	894.74	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.89	
26 05 36 00-0529 EA 9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	940.44	373.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.91	
26 05 36 00-0530 EA 12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,003.60	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.53	
26 05 36 00-0531 EA 18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,076.42	417.98
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.81	
26 05 36 00-0532 EA 24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,212.05	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.79	
26 05 36 00-0533 EA 30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,352.23	506.72
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.99	
26 05 36 00-0534 EA 36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,475.70	545.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.09	
26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0536 EA 6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,244.76	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.64	
26 05 36 00-0537 EA 9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,302.60	417.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.44	
26 05 36 00-0538 EA 12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,364.04	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.43	
26 05 36 00-0539 EA 18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,453.09	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.89	
26 05 36 00-0540 EA 24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,619.25	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.39	
26 05 36 00-0541 EA 30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,742.01	591.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.90	
26 05 36 00-0542 EA 36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,951.39	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-141.40	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0543			36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0544	EA		6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,561.25	443.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.15	
26 05 36 00-0545	EA		9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,646.65	473.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.25	
26 05 36 00-0546	EA		12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,738.98	506.57
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-131.69	
26 05 36 00-0547	EA		18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,896.81	546.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-144.14	
26 05 36 00-0548	EA		24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,170.52	644.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-163.31	
26 05 36 00-0549	EA		30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,368.28	708.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-177.76	
26 05 36 00-0550	EA		36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,594.11	789.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-193.62	
26 05 36 00-0551			12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0552			12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0553	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	320.96	148.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.74	
26 05 36 00-0554	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	361.25	168.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.04	
26 05 36 00-0555	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	397.91	186.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.23	
26 05 36 00-0556	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	494.03	228.95
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.32	
26 05 36 00-0557	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	564.59	262.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.55	
26 05 36 00-0558	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	659.32	295.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.28	
26 05 36 00-0559	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	757.90	338.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.62	
26 05 36 00-0560			24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0561	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	409.40	154.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.08	
26 05 36 00-0562	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	452.51	177.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.47	
26 05 36 00-0563	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	491.48	197.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.71	
26 05 36 00-0564	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	583.80	244.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.97	
26 05 36 00-0565	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	662.00	284.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.53	
26 05 36 00-0566	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	742.40	322.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.37	
26 05 36 00-0567	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	866.10	373.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.49	
26 05 36 00-0568			36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0569 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	437.37	161.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.30	
26 05 36 00-0570 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	489.00	186.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.35	
26 05 36 00-0571 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	534.39	208.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.03	
26 05 36 00-0572 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	651.26	262.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.22	
26 05 36 00-0573 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	748.51	308.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.14	
26 05 36 00-0574 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	872.70	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.69	
26 05 36 00-0575 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,001.89	417.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.44	
26 05 36 00-0576 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0577 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	236.53	107.52
<i>For 60 Degree Bend, Deduct</i>	-36.85	
<i>For 30 Degree Bend, Deduct</i>	-67.39	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.70	
26 05 36 00-0578 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	274.58	128.97
<i>For 60 Degree Bend, Deduct</i>	-41.20	
<i>For 30 Degree Bend, Deduct</i>	-75.82	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.72	
26 05 36 00-0579 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	308.58	147.91
<i>For 60 Degree Bend, Deduct</i>	-45.13	
<i>For 30 Degree Bend, Deduct</i>	-83.44	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.53	
26 05 36 00-0580 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	377.09	186.95
<i>For 60 Degree Bend, Deduct</i>	-52.79	
<i>For 30 Degree Bend, Deduct</i>	-98.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.13	
26 05 36 00-0581 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	465.92	228.95
<i>For 60 Degree Bend, Deduct</i>	-65.99	
<i>For 30 Degree Bend, Deduct</i>	-122.70	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.51	
26 05 36 00-0582 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	545.85	262.83
<i>For 60 Degree Bend, Deduct</i>	-79.37	
<i>For 30 Degree Bend, Deduct</i>	-146.88	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.68	
26 05 36 00-0583 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	626.71	308.53
<i>For 60 Degree Bend, Deduct</i>	-88.53	
<i>For 30 Degree Bend, Deduct</i>	-164.70	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.96	
26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0585 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	257.39	110.93
<i>For 60 Degree Bend, Deduct</i>	-42.44	
<i>For 30 Degree Bend, Deduct</i>	-76.89	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.50	
26 05 36 00-0586 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	300.18	133.70
<i>For 60 Degree Bend, Deduct</i>	-47.80	
<i>For 30 Degree Bend, Deduct</i>	-87.09	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.87	
26 05 36 00-0587 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	343.99	154.41
<i>For 60 Degree Bend, Deduct</i>	-54.33	
<i>For 30 Degree Bend, Deduct</i>	-99.13	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.53	
26 05 36 00-0588 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	417.69	197.16
<i>For 60 Degree Bend, Deduct</i>	-62.24	
<i>For 30 Degree Bend, Deduct</i>	-114.69	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.34	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0589	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....515.87	515.87	244.92
			<i>For 60 Degree Bend, Deduct</i> .....-76.37	-76.37	
			<i>For 30 Degree Bend, Deduct</i> .....-140.89	-140.89	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-31.18	-31.18	
26 05 36 00-0590	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....602.27	602.27	284.12
			<i>For 60 Degree Bend, Deduct</i> .....-89.86	-89.86	
			<i>For 30 Degree Bend, Deduct</i> .....-165.54	-165.54	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-36.56	-36.56	
26 05 36 00-0591	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....711.22	711.22	338.25
			<i>For 60 Degree Bend, Deduct</i> .....-105.06	-105.06	
			<i>For 30 Degree Bend, Deduct</i> .....-193.89	-193.89	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-42.94	-42.94	
26 05 36 00-0592			36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0593	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....294.94	294.94	114.48
			<i>For 60 Degree Bend, Deduct</i> .....-53.47	-53.47	
			<i>For 30 Degree Bend, Deduct</i> .....-95.47	-95.47	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-19.96	-19.96	
26 05 36 00-0594	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....341.77	341.77	139.03
			<i>For 60 Degree Bend, Deduct</i> .....-59.50	-59.50	
			<i>For 30 Degree Bend, Deduct</i> .....-106.89	-106.89	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-22.59	-22.59	
26 05 36 00-0595	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....381.36	381.36	161.36
			<i>For 60 Degree Bend, Deduct</i> .....-64.00	-64.00	
			<i>For 30 Degree Bend, Deduct</i> .....-115.63	-115.63	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-24.69	-24.69	
26 05 36 00-0596	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....469.98	469.98	208.84
			<i>For 60 Degree Bend, Deduct</i> .....-75.01	-75.01	
			<i>For 30 Degree Bend, Deduct</i> .....-136.63	-136.63	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-29.59	-29.59	
26 05 36 00-0597	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....566.93	566.93	262.83
			<i>For 60 Degree Bend, Deduct</i> .....-86.32	-86.32	
			<i>For 30 Degree Bend, Deduct</i> .....-158.48	-158.48	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-34.79	-34.79	
26 05 36 00-0598	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....680.58	680.58	308.53
			<i>For 60 Degree Bend, Deduct</i> .....-106.31	-106.31	
			<i>For 30 Degree Bend, Deduct</i> .....-194.32	-194.32	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-42.34	-42.34	
26 05 36 00-0599	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....807.54	807.54	373.46
			<i>For 60 Degree Bend, Deduct</i> .....-123.32	-123.32	
			<i>For 30 Degree Bend, Deduct</i> .....-226.28	-226.28	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-49.63	-49.63	
26 05 36 00-0600			12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0601	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....348.41	348.41	147.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-22.52	-22.52	
26 05 36 00-0602	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....385.85	385.85	168.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-24.50	-24.50	
26 05 36 00-0603	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....418.99	418.99	186.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-26.34	-26.34	
26 05 36 00-0604	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....494.03	494.03	228.95
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-30.32	-30.32	
26 05 36 00-0605	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....555.22	555.22	262.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-33.62	-33.62	
26 05 36 00-0606	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....619.50	619.50	295.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-37.30	-37.30	
26 05 36 00-0607	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....693.97	693.97	337.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-41.26	-41.26	
26 05 36 00-0608			24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0609	EA			6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....401.20	401.20	154.26
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-27.26	-27.26	
26 05 36 00-0610	EA			9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....443.38	443.38	177.48
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-29.55	-29.55	
26 05 36 00-0611	EA			12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....482.11	482.11	197.16
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-31.78	-31.78	
26 05 36 00-0612	EA			18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....569.75	569.75	244.92
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-36.57	-36.57	
26 05 36 00-0613	EA			24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....643.26	643.26	284.12
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-40.65	-40.65	
26 05 36 00-0614	EA			30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....716.63	716.63	322.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-44.79	-44.79	
26 05 36 00-0615	EA			36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....823.94	823.94	373.46
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-51.27	-51.27	
26 05 36 00-0616				36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0617	EA			6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....463.14	463.14	161.21
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-32.88	-32.88	
26 05 36 00-0618	EA			9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....512.69	512.69	186.80
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-35.71	-35.71	
26 05 36 00-0619	EA			12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....551.96	551.96	208.84
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-37.79	-37.79	
26 05 36 00-0620	EA			18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....658.29	658.29	262.83
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-43.92	-43.92	
26 05 36 00-0621	EA			24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....736.80	736.80	308.53
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-47.97	-47.97	
26 05 36 00-0622	EA			30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....844.59	844.59	354.96
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-54.88	-54.88	
26 05 36 00-0623	EA			36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....964.41	964.41	417.09
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-61.69	-61.69	
26 05 36 00-0624				12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0625	EA			6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....625.32	625.32	284.12
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-38.86	-38.86	
26 05 36 00-0626	EA			9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....677.48	677.48	308.53
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-42.03	-42.03	
26 05 36 00-0627	EA			12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....709.72	709.72	322.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-44.10	-44.10	
26 05 36 00-0628	EA			18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....788.83	788.83	354.96
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-49.30	-49.30	
26 05 36 00-0629	EA			24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....887.98	887.98	394.01
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-55.96	-55.96	
26 05 36 00-0630	EA			30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....972.90	972.90	417.83
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-62.47	-62.47	
26 05 36 00-0631	EA			36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....1,101.22	1,101.22	473.00
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-70.70	-70.70	
26 05 36 00-0632				24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0633	EA			6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....752.29	752.29	308.53
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-49.52	-49.52	
26 05 36 00-0634	EA			9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....813.00	813.00	338.25
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-53.12	-53.12	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0635 EA 12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	850.03	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.42	
26 05 36 00-0636 EA 18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	935.58	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.72	
26 05 36 00-0637 EA 24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,043.28	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.35	
26 05 36 00-0638 EA 30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,119.36	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.52	
26 05 36 00-0639 EA 36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,334.63	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.93	
26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0641 EA 6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	919.55	338.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.77	
26 05 36 00-0642 EA 9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	991.99	373.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.07	
26 05 36 00-0643 EA 12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,051.19	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.28	
26 05 36 00-0644 EA 18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,163.42	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.37	
26 05 36 00-0645 EA 24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,322.50	506.57
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.04	
26 05 36 00-0646 EA 30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,432.11	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.67	
26 05 36 00-0647 EA 36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,634.79	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.74	
26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0649 EA 6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	696.52	262.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.75	
26 05 36 00-0650 EA 9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	716.05	273.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.84	
26 05 36 00-0651 EA 12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	736.39	284.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.97	
26 05 36 00-0652 EA 18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	781.76	308.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.46	
26 05 36 00-0653 EA 24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	809.46	322.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.07	
26 05 36 00-0654 EA 30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	881.77	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.60	
26 05 36 00-0655 EA 36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	958.25	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.99	
26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0657 EA 6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	940.41	284.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.37	
26 05 36 00-0658 EA 9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	966.78	295.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.03	
26 05 36 00-0659 EA 12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	994.84	308.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.77	
26 05 36 00-0660 EA 18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,057.82	338.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.60	
26 05 36 00-0661 EA 24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,099.38	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0662 EA 30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,178.14	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.98	
26 05 36 00-0663 EA 36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,283.56	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.38	
26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0665 EA 6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,387.01	308.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-112.99	
26 05 36 00-0666 EA 9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,421.51	322.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.28	
26 05 36 00-0667 EA 12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,459.05	338.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.72	
26 05 36 00-0668 EA 18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,529.23	373.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.80	
26 05 36 00-0669 EA 24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,574.83	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.65	
26 05 36 00-0670 EA 30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,691.60	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.18	
26 05 36 00-0671 EA 36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,807.61	506.57
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-138.55	
26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0673 EA 6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	779.76	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.40	
26 05 36 00-0674 EA 9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	819.71	373.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.85	
26 05 36 00-0675 EA 12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	872.11	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.37	
26 05 36 00-0676 EA 18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	932.09	417.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.39	
26 05 36 00-0677 EA 24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,051.35	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.72	
26 05 36 00-0678 EA 30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,159.29	506.57
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.72	
26 05 36 00-0679 EA 36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,262.09	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.67	
26 05 36 00-0680 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0681 EA 6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,021.72	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.33	
26 05 36 00-0682 EA 9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,072.64	417.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.45	
26 05 36 00-0683 EA 12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,127.15	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.74	
26 05 36 00-0684 EA 18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,200.97	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.68	
26 05 36 00-0685 EA 24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,350.50	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.51	
26 05 36 00-0686 EA 30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,455.26	591.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.23	
26 05 36 00-0687 EA 36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,618.92	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.15	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0688			36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0689	EA		6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,249.56	443.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.98	
26 05 36 00-0690	EA		9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,321.11	473.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.69	
26 05 36 00-0691	EA		12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,399.58	506.57
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.75	
26 05 36 00-0692	EA		18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,522.78	546.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.74	
26 05 36 00-0693	EA		24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,754.93	644.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.75	
26 05 36 00-0694	EA		30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,918.06	708.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.74	
26 05 36 00-0695	EA		36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,109.26	789.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-145.13	
26 05 36 00-0696			12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0697	EA		6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	864.43	354.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.86	
26 05 36 00-0698	EA		9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	908.66	373.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.73	
26 05 36 00-0699	EA		12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	968.91	394.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.06	
26 05 36 00-0700	EA		18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,038.44	417.98
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.01	
26 05 36 00-0701	EA		24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,169.68	473.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.55	
26 05 36 00-0702	EA		30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,301.46	506.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.92	
26 05 36 00-0703	EA		36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,419.09	545.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.43	
26 05 36 00-0704			24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0705	EA		6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,185.96	394.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.76	
26 05 36 00-0706	EA		9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,241.97	417.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.38	
26 05 36 00-0707	EA		12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,301.59	443.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.18	
26 05 36 00-0708	EA		18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,386.62	473.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.24	
26 05 36 00-0709	EA		24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,548.39	546.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.30	
26 05 36 00-0710	EA		30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,666.41	591.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.34	
26 05 36 00-0711	EA		36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,863.74	644.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.63	
26 05 36 00-0712			36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0713	EA		6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,479.08	443.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0714 EA 9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,560.83	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.66	
26 05 36 00-0715 EA 12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,649.50	506.57
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.74	
26 05 36 00-0716 EA 18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,798.20	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.28	
26 05 36 00-0717 EA 24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,060.96	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-152.35	
26 05 36 00-0718 EA 30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,249.58	708.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-165.89	
26 05 36 00-0719 EA 36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,466.29	789.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-180.84	
26 05 36 00-0720 Dropout Or End Plates And Reducers <small>(26 05 36 00-0002)</small>		
26 05 36 00-0721 Straight Reducers <small>(26 05 36 00-0720)</small>		
26 05 36 00-0722 EA 9"-6" Reducer, Steel Cable Tray.....	297.83	109.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.68	
26 05 36 00-0723 EA 12"-9" Reducer, Steel Cable Tray.....	315.38	118.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.69	
26 05 36 00-0724 EA 18"-12" Reducer, Steel Cable Tray.....	345.78	136.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.21	
26 05 36 00-0725 EA 24"-18" Reducer, Steel Cable Tray.....	383.89	157.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.24	
26 05 36 00-0726 EA 30"-24" Reducer, Steel Cable Tray.....	419.23	177.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.13	
26 05 36 00-0727 EA 36"-30" Reducer, Steel Cable Tray.....	476.51	202.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.75	
26 05 36 00-0728 Reducers <small>(26 05 36 00-0720)</small>		
26 05 36 00-0729 EA 18"-6" Reducer, Steel Cable Tray.....	350.96	136.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.72	
26 05 36 00-0730 EA 24"-12" Reducer, Steel Cable Tray.....	389.30	157.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.76	
26 05 36 00-0731 EA 30"-12" Reducer, Steel Cable Tray.....	429.06	177.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.13	
26 05 36 00-0732 EA 30"-18" Reducer, Steel Cable Tray.....	433.87	177.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.62	
26 05 36 00-0733 EA 36"-12" Reducer, Steel Cable Tray.....	479.03	202.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.00	
26 05 36 00-0734 EA 36"-18" Reducer, Steel Cable Tray.....	492.96	208.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.95	
26 05 36 00-0735 EA 36"-24" Reducer, Steel Cable Tray.....	509.07	214.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.01	
26 05 36 00-0736 Dropout Or End Plate <small>(26 05 36 00-0720)</small>		
26 05 36 00-0737 EA 6" Dropout Or End Plate, Steel Cable Tray.....	86.92	44.37
26 05 36 00-0738 EA 9" Dropout Or End Plate, Steel Cable Tray.....	99.70	50.73
26 05 36 00-0739 EA 12" Dropout Or End Plate, Steel Cable Tray.....	107.58	54.58
26 05 36 00-0740 EA 18" Dropout Or End Plate, Steel Cable Tray.....	127.03	64.49
26 05 36 00-0741 EA 24" Dropout Or End Plate, Steel Cable Tray.....	142.00	70.99
26 05 36 00-0742 EA 30" Dropout Or End Plate, Steel Cable Tray.....	157.43	78.83
26 05 36 00-0743 EA 36" Dropout Or End Plate, Steel Cable Tray.....	177.63	88.74
26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray <small>(26 05 36 00-0001)</small>		
Note: 4-5/8" Height		
26 05 36 00-0745 Straight Tray Sections <small>(26 05 36 00-0744)</small>		
26 05 36 00-0746 4" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0747 LF 6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	77.27	10.35
<i>For Class 12C Instead Of Class 12B, Add</i>	9.86	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.86	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.86	
26 05 36 00-0748 LF 9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	81.65	10.94
<i>For Class 12C Instead Of Class 12B, Add</i>	10.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.08	
26 05 36 00-0749 LF 12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	86.02	11.39
<i>For Class 12C Instead Of Class 12B, Add</i>	11.00	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.65	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.30	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0750	LF		18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	95.40	12.42
			<i>For Class 12C Instead Of Class 12B, Add</i>	12.23	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.77	
26 05 36 00-0751	LF		24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	109.23	13.31
			<i>For Class 12C Instead Of Class 12B, Add</i>	14.18	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.82	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.46	
26 05 36 00-0752	LF		30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	119.51	14.20
			<i>For Class 12C Instead Of Class 12B, Add</i>	15.57	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.77	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.98	
26 05 36 00-0753	LF		36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	128.73	15.09
			<i>For Class 12C Instead Of Class 12B, Add</i>	16.79	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.61	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.44	
26 05 36 00-0754			6" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0755	LF		6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	71.82	10.35
			<i>For Class 12C Instead Of Class 12B, Add</i>	9.04	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.32	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.59	
26 05 36 00-0756	LF		9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	75.88	10.94
			<i>For Class 12C Instead Of Class 12B, Add</i>	9.56	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.79	
26 05 36 00-0757	LF		12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	79.93	11.39
			<i>For Class 12C Instead Of Class 12B, Add</i>	10.09	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.00	
26 05 36 00-0758	LF		18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	88.62	12.42
			<i>For Class 12C Instead Of Class 12B, Add</i>	11.21	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.82	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.43	
26 05 36 00-0759	LF		24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	101.30	13.31
			<i>For Class 12C Instead Of Class 12B, Add</i>	12.99	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.03	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.07	
26 05 36 00-0760	LF		30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	110.79	14.20
			<i>For Class 12C Instead Of Class 12B, Add</i>	14.26	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.90	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.54	
26 05 36 00-0761	LF		36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	119.32	15.09
			<i>For Class 12C Instead Of Class 12B, Add</i>	15.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.97	
26 05 36 00-0762			9" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0763	LF		6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	64.45	9.91
			<i>For Class 12C Instead Of Class 12B, Add</i>	8.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.62	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.22	
26 05 36 00-0764	LF		9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	65.43	10.35
			<i>For Class 12C Instead Of Class 12B, Add</i>	8.08	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.27	
26 05 36 00-0765	LF		12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	70.00	10.94
			<i>For Class 12C Instead Of Class 12B, Add</i>	8.69	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.09	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.50	
26 05 36 00-0766	LF		18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	74.78	11.68
			<i>For Class 12C Instead Of Class 12B, Add</i>	9.27	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.74	
26 05 36 00-0767	LF		24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	83.98	12.13
			<i>For Class 12C Instead Of Class 12B, Add</i>	10.58	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.39	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.20	
26 05 36 00-0768	LF		30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	92.80	13.01
			<i>For Class 12C Instead Of Class 12B, Add</i>	11.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.64	
26 05 36 00-0769	LF		36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	98.69	14.20
			<i>For Class 12C Instead Of Class 12B, Add</i>	12.43	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.93	
26 05 36 00-0770			12" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0771	LF		6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	63.07	9.62
			<i>For Class 12C Instead Of Class 12B, Add</i>	7.86	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.51	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0772 LF 9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	63.92	9.91
<i>For Class 12C Instead Of Class 12B, Add</i>	7.93	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.56	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.20	
26 05 36 00-0773 LF 12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	66.48	10.50
<i>For Class 12C Instead Of Class 12B, Add</i>	8.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.77	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.32	
26 05 36 00-0774 LF 18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	70.43	11.09
<i>For Class 12C Instead Of Class 12B, Add</i>	8.71	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.11	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.52	
26 05 36 00-0775 LF 24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	76.55	11.24
<i>For Class 12C Instead Of Class 12B, Add</i>	9.60	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.71	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.83	
26 05 36 00-0776 LF 30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	82.32	12.42
<i>For Class 12C Instead Of Class 12B, Add</i>	10.28	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.20	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.12	
26 05 36 00-0777 LF 36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	87.25	13.45
<i>For Class 12C Instead Of Class 12B, Add</i>	10.85	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.36	
26 05 36 00-0778 18" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0779 LF 6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	62.36	9.32
<i>For Class 12C Instead Of Class 12B, Add</i>	7.80	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.46	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.12	
26 05 36 00-0780 LF 9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	62.41	9.76
<i>For Class 12C Instead Of Class 12B, Add</i>	7.75	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.43	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.12	
26 05 36 00-0781 LF 12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	65.75	10.06
<i>For Class 12C Instead Of Class 12B, Add</i>	8.18	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.73	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.29	
26 05 36 00-0782 LF 18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	69.27	10.65
<i>For Class 12C Instead Of Class 12B, Add</i>	8.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.04	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.46	
26 05 36 00-0783 LF 24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	73.54	10.80
<i>For Class 12C Instead Of Class 12B, Add</i>	9.23	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.46	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.68	
26 05 36 00-0784 LF 30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	77.04	11.83
<i>For Class 12C Instead Of Class 12B, Add</i>	9.60	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.72	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.85	
26 05 36 00-0785 LF 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	81.58	12.86
<i>For Class 12C Instead Of Class 12B, Add</i>	10.09	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.08	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.08	
26 05 36 00-0786 4" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0788 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	393.30	148.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.97	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.67	
26 05 36 00-0789 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	431.44	168.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.57	
26 05 36 00-0790 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	488.81	186.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.32	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.44	
26 05 36 00-0791 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	581.36	228.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.07	
26 05 36 00-0792 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	685.96	262.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.30	
26 05 36 00-0793 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	755.67	295.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.92	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.78	
26 05 36 00-0794 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	881.63	338.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.99	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.08	
26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0796	EA		6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	516.10	154.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.81	
26 05 36 00-0797	EA		9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	565.63	177.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.78	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.28	
26 05 36 00-0798	EA		12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	611.69	197.16
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.58	
26 05 36 00-0799	EA		18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	715.18	244.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.76	
26 05 36 00-0800	EA		24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	810.09	284.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.34	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.50	
26 05 36 00-0801	EA		30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	905.54	322.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.28	
26 05 36 00-0802	EA		36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,036.83	373.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.84	
26 05 36 00-0803			90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0804	EA		6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	553.58	161.21
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.92	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.68	
26 05 36 00-0805	EA		9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	603.24	186.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.78	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.16	
26 05 36 00-0806	EA		12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	673.72	208.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.96	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.69	
26 05 36 00-0807	EA		18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	804.35	262.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.53	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.22	
26 05 36 00-0808	EA		24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	928.61	308.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.43	
26 05 36 00-0809	EA		30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,046.65	354.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	52.33	
26 05 36 00-0810	EA		36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,216.66	417.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.91	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.83	
26 05 36 00-0811			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0812	EA		6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	275.33	107.52
			<i>For 60 Degree Bend, Deduct</i>	-49.66	
			<i>For 30 Degree Bend, Deduct</i>	-88.73	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.77	
26 05 36 00-0813	EA		9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	314.74	128.97
			<i>For 60 Degree Bend, Deduct</i>	-54.45	
			<i>For 30 Degree Bend, Deduct</i>	-97.91	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.73	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.74	
26 05 36 00-0814	EA		12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	350.10	147.91
			<i>For 60 Degree Bend, Deduct</i>	-58.84	
			<i>For 30 Degree Bend, Deduct</i>	-106.28	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.51	
26 05 36 00-0815	EA		18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	433.58	186.95
			<i>For 60 Degree Bend, Deduct</i>	-71.44	
			<i>For 30 Degree Bend, Deduct</i>	-129.44	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.78	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.68	
26 05 36 00-0816	EA		24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	533.27	228.95
			<i>For 60 Degree Bend, Deduct</i>	-88.21	
			<i>For 30 Degree Bend, Deduct</i>	-159.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.25	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.66	
26 05 36 00-0817	EA		30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	611.98	262.83
			<i>For 60 Degree Bend, Deduct</i>	-101.19	
			<i>For 30 Degree Bend, Deduct</i>	-183.25	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.29	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.60	
26 05 36 00-0818	EA		36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	695.54	308.53
			<i>For 60 Degree Bend, Deduct</i>	-111.25	
			<i>For 30 Degree Bend, Deduct</i>	-202.55	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.84	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.78	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>						
	26 05 36 00-0820	EA		6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	314.26	110.93
				<i>For 60 Degree Bend, Deduct</i>	-61.21	
				<i>For 30 Degree Bend, Deduct</i>	-108.17	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.19	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.71	
	26 05 36 00-0821	EA		9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	367.16	133.70
				<i>For 60 Degree Bend, Deduct</i>	-69.90	
				<i>For 30 Degree Bend, Deduct</i>	-123.93	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.57	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.36	
	26 05 36 00-0822	EA		12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	405.30	154.41
				<i>For 60 Degree Bend, Deduct</i>	-74.57	
				<i>For 30 Degree Bend, Deduct</i>	-132.85	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.66	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.27	
	26 05 36 00-0823	EA		18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	487.76	197.16
				<i>For 60 Degree Bend, Deduct</i>	-85.36	
				<i>For 30 Degree Bend, Deduct</i>	-153.23	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.34	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.39	
	26 05 36 00-0824	EA		24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	593.09	244.92
				<i>For 60 Degree Bend, Deduct</i>	-101.85	
				<i>For 30 Degree Bend, Deduct</i>	-183.36	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.90	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.65	
	26 05 36 00-0825	EA		30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	695.41	284.12
				<i>For 60 Degree Bend, Deduct</i>	-120.59	
				<i>For 30 Degree Bend, Deduct</i>	-216.77	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.87	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.77	
	26 05 36 00-0826	EA		36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	796.72	338.25
				<i>For 60 Degree Bend, Deduct</i>	-133.28	
				<i>For 30 Degree Bend, Deduct</i>	-240.92	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.49	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.84	
26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>						
	26 05 36 00-0828	EA		6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	364.58	114.48
				<i>For 60 Degree Bend, Deduct</i>	-76.45	
				<i>For 30 Degree Bend, Deduct</i>	-133.77	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.92	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.23	
	26 05 36 00-0829	EA		9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	409.25	139.03
				<i>For 60 Degree Bend, Deduct</i>	-81.77	
				<i>For 30 Degree Bend, Deduct</i>	-144.00	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.34	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.46	
	26 05 36 00-0830	EA		12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	450.19	161.36
				<i>For 60 Degree Bend, Deduct</i>	-86.71	
				<i>For 30 Degree Bend, Deduct</i>	-153.48	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.57	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.51	
	26 05 36 00-0831	EA		18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	547.94	208.84
				<i>For 60 Degree Bend, Deduct</i>	-100.74	
				<i>For 30 Degree Bend, Deduct</i>	-179.51	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.39	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.40	
	26 05 36 00-0832	EA		24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	682.27	262.83
				<i>For 60 Degree Bend, Deduct</i>	-124.39	
				<i>For 30 Degree Bend, Deduct</i>	-221.91	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.32	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.11	
	26 05 36 00-0833	EA		30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	773.23	308.53
				<i>For 60 Degree Bend, Deduct</i>	-136.88	
				<i>For 30 Degree Bend, Deduct</i>	-245.28	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.61	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.66	
	26 05 36 00-0834	EA		36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	907.35	373.46
				<i>For 60 Degree Bend, Deduct</i>	-156.25	
				<i>For 30 Degree Bend, Deduct</i>	-281.17	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.61	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.37	
26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0786)</small>						
	26 05 36 00-0836	EA		6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	428.18	147.91
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.49	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.41	
	26 05 36 00-0837	EA		9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	473.19	168.91
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.24	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.66	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0838 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	506.12 -35.05 25.31	186.80
26 05 36 00-0839 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	583.08 -39.23 29.15	228.95
26 05 36 00-0840 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	649.50 -43.05 32.48	262.83
26 05 36 00-0841 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	714.32 -46.78 35.72	295.81
26 05 36 00-0842 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	790.71 -50.93 39.54	337.66
26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0844 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	453.67 -32.51 22.68	154.26
26 05 36 00-0845 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	500.60 -35.27 25.03	177.48
26 05 36 00-0846 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	538.43 -37.41 26.92	197.16
26 05 36 00-0847 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	629.43 -42.54 31.47	244.92
26 05 36 00-0848 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	707.96 -47.12 35.40	284.12
26 05 36 00-0849 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	785.17 -51.65 39.26	322.42
26 05 36 00-0850 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	886.74 -57.55 44.34	373.46
26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0852 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	572.61 -43.83 28.63	161.21
26 05 36 00-0853 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	621.73 -46.61 31.09	186.80
26 05 36 00-0854 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	678.48 -50.44 33.92	208.84
26 05 36 00-0855 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	781.62 -56.26 39.08	262.83
26 05 36 00-0856 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	871.00 -61.39 43.55	308.53
26 05 36 00-0857 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	974.77 -67.90 48.74	354.96
26 05 36 00-0858 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,094.71 -74.72 54.74	417.09
26 05 36 00-0859 12" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0860 EA 6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	682.99 -44.63 34.15	284.12
26 05 36 00-0861 EA 9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	737.56 -48.04 36.88	308.53
26 05 36 00-0862 EA 12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	764.16 -49.54 38.21	322.42
26 05 36 00-0863 EA 18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	862.99 -56.72 43.15	354.96
26 05 36 00-0864 EA 24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	955.62 -62.72 47.78	394.01
26 05 36 00-0865 EA 30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,043.30 -69.51 52.17	417.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0866 EA 36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,204.06 -80.99 60.20	473.00
26 05 36 00-0867 24" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0868 EA 6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	871.53 -61.44 43.58	308.53
26 05 36 00-0869 EA 9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	941.52 -65.97 47.08	338.25
26 05 36 00-0870 EA 12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	979.79 -68.40 48.99	354.96
26 05 36 00-0871 EA 18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,079.29 -75.09 53.96	394.01
26 05 36 00-0872 EA 24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,199.84 -83.01 59.99	443.71
26 05 36 00-0873 EA 30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,293.38 -89.92 64.67	473.00
26 05 36 00-0874 EA 36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,683.66 -122.83 84.18	546.50
26 05 36 00-0875 36" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0876 EA 6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,068.63 -78.68 53.43	338.25
26 05 36 00-0877 EA 9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,141.21 -83.00 57.06	373.46
26 05 36 00-0878 EA 12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,223.57 -89.52 61.18	394.01
26 05 36 00-0879 EA 18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,337.25 -96.75 66.86	443.71
26 05 36 00-0880 EA 24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,503.76 -108.17 75.19	506.57
26 05 36 00-0881 EA 30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,745.49 -129.01 87.27	546.50
26 05 36 00-0882 EA 36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,002.39 -146.50 100.12	644.86
26 05 36 00-0883 12" Radius Vertical Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0884 EA 6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	908.73 -68.97 45.44	262.83
26 05 36 00-0885 EA 9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	939.73 -71.21 46.99	273.17
26 05 36 00-0886 EA 12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	961.24 -72.45 48.06	284.12
26 05 36 00-0887 EA 18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,012.38 -75.52 50.62	308.53
26 05 36 00-0888 EA 24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,076.77 -80.81 53.84	322.42
26 05 36 00-0889 EA 30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,141.25 -84.54 57.06	354.96
26 05 36 00-0890 EA 36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,223.57 -89.52 61.18	394.01
26 05 36 00-0891 24" Radius Vertical Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0892 EA 6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,270.41 -103.37 63.52	284.12
26 05 36 00-0893 EA 9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,300.29 -105.38 65.01	295.81

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0894 EA 12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,331.85 -107.47 66.59	308.53
26 05 36 00-0895 EA 18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,405.28 -112.35 70.26	338.25
26 05 36 00-0896 EA 24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,453.85 -115.80 72.69	354.96
26 05 36 00-0897 EA 30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,539.61 -121.12 76.98	394.01
26 05 36 00-0898 EA 36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,701.38 -133.16 85.07	443.71
26 05 36 00-0899 36" Radius Vertical Tee <small>(26 05 36 00-0786)</small>		
26 05 36 00-0900 EA 6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	2,030.41 -177.33 101.52	308.53
26 05 36 00-0901 EA 9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	2,073.26 -180.45 103.66	322.42
26 05 36 00-0902 EA 12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	2,119.15 -183.73 105.96	338.25
26 05 36 00-0903 EA 18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	2,197.71 -188.65 109.89	373.46
26 05 36 00-0904 EA 24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	2,251.67 -192.33 112.58	394.01
26 05 36 00-0905 EA 30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	2,393.48 -202.37 119.67	443.71
26 05 36 00-0906 EA 36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	2,517.84 -209.57 125.89	506.57
26 05 36 00-0907 12" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0908 EA 6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	883.60 -58.78 44.18	354.96
26 05 36 00-0909 EA 9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	945.40 -63.42 47.27	373.46
26 05 36 00-0910 EA 12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	983.11 -65.47 49.16	394.01
26 05 36 00-0911 EA 18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,091.39 -74.32 54.57	417.83
26 05 36 00-0912 EA 24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,197.19 -80.30 59.86	473.00
26 05 36 00-0913 EA 30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,325.13 -90.30 66.26	506.57
26 05 36 00-0914 EA 36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,511.89 -105.65 75.59	546.50
26 05 36 00-0915 24" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0916 EA 6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,216.70 -88.83 60.84	394.01
26 05 36 00-0917 EA 9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,273.46 -92.53 63.67	417.83
26 05 36 00-0918 EA 12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,333.81 -96.41 66.69	443.71
26 05 36 00-0919 EA 18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,413.61 -101.94 70.68	473.00
26 05 36 00-0920 EA 24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,590.90 -113.55 79.55	546.50
26 05 36 00-0921 EA 30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8"; Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8"; Add</i>	1,680.18 -118.72 84.01	591.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0922 EA 36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,857.45	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.00	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	92.87	
26 05 36 00-0923 36" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0924 EA 6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,399.08	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.93	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	69.95	
26 05 36 00-0925 EA 9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,443.27	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.91	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	72.16	
26 05 36 00-0926 EA 12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,538.36	506.57
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.63	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	76.92	
26 05 36 00-0927 EA 18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,687.09	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.17	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	84.35	
26 05 36 00-0928 EA 24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,036.74	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-149.93	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	101.84	
26 05 36 00-0929 EA 30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,246.25	708.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-165.56	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	112.31	
26 05 36 00-0930 EA 36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,501.01	789.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-184.31	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	125.05	
26 05 36 00-0931 12" Radius Vertical Cross <small>(26 05 36 00-0786)</small>		
26 05 36 00-0932 EA 6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	883.60	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.78	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.18	
26 05 36 00-0933 EA 9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	945.61	373.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.43	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.28	
26 05 36 00-0934 EA 12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	983.00	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.47	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.15	
26 05 36 00-0935 EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,091.65	417.98
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	54.58	
26 05 36 00-0936 EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,197.19	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.30	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	59.86	
26 05 36 00-0937 EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,325.51	506.72
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.32	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	66.28	
26 05 36 00-0938 EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,510.78	545.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.60	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	75.54	
26 05 36 00-0939 24" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0940 EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,216.70	394.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.83	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.84	
26 05 36 00-0941 EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,273.46	417.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.53	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	63.67	
26 05 36 00-0942 EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,333.81	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.41	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	66.69	
26 05 36 00-0943 EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,413.61	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.94	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	70.68	
26 05 36 00-0944 EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,590.90	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.55	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	79.55	
26 05 36 00-0945 EA 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,714.29	591.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	85.71	
26 05 36 00-0946 EA 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,895.90	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-135.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	94.80	
26 05 36 00-0947 36" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0948 EA 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,695.89	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	84.79	
26 05 36 00-0949 EA 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,784.62	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-139.04	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	89.23	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0950 EA 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,900.19 -147.81 95.01	506.57
26 05 36 00-0951 EA 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,036.45 -158.11 101.82	546.50
26 05 36 00-0952 EA 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,469.58 -193.21 123.48	644.86
26 05 36 00-0953 EA 30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,725.46 -213.48 136.27	708.75
26 05 36 00-0954 EA 36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3,034.33 -237.64 151.72	789.51
26 05 36 00-0955 6" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-0956 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0957 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	372.42 -24.88 18.62	148.35
26 05 36 00-0958 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	410.03 -26.92 20.50	168.91
26 05 36 00-0959 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	463.45 -30.78 23.17	186.80
26 05 36 00-0960 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	552.82 -36.20 27.64	228.95
26 05 36 00-0961 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	650.56 -43.15 32.53	262.83
26 05 36 00-0962 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	718.15 -47.16 35.91	295.81
26 05 36 00-0963 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	836.18 -55.44 41.81	338.10
26 05 36 00-0964 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0965 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	479.11 -35.05 23.96	154.26
26 05 36 00-0966 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	527.05 -37.93 26.35	177.33
26 05 36 00-0967 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	571.26 -40.69 28.56	197.16
26 05 36 00-0968 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	671.31 -46.73 33.57	244.92
26 05 36 00-0969 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	762.00 -52.53 38.10	284.12
26 05 36 00-0970 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	852.95 -58.42 42.65	322.42
26 05 36 00-0971 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	977.64 -66.64 48.88	373.46
26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0973 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	512.89 -37.85 25.64	161.21
26 05 36 00-0974 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	561.49 -40.60 28.07	186.66
26 05 36 00-0975 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	627.22 -45.31 31.36	208.84
26 05 36 00-0976 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	752.03 -53.30 37.60	262.83
26 05 36 00-0977 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	869.42 -61.23 43.47	308.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0978 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	981.64	354.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.58	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.08	
26 05 36 00-0979 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,142.14	417.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.46	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	57.11	
26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0981 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	261.59	107.52
<i>For 60 Degree Bend, Deduct</i>	-45.12	
<i>For 30 Degree Bend, Deduct</i>	-81.18	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.20	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.08	
26 05 36 00-0982 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	300.47	128.97
<i>For 60 Degree Bend, Deduct</i>	-49.74	
<i>For 30 Degree Bend, Deduct</i>	-90.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.30	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.02	
26 05 36 00-0983 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	335.30	147.91
<i>For 60 Degree Bend, Deduct</i>	-53.95	
<i>For 30 Degree Bend, Deduct</i>	-98.14	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.20	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.77	
26 05 36 00-0984 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	416.14	186.95
<i>For 60 Degree Bend, Deduct</i>	-65.68	
<i>For 30 Degree Bend, Deduct</i>	-119.85	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.04	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.81	
26 05 36 00-0985 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	511.60	228.95
<i>For 60 Degree Bend, Deduct</i>	-81.06	
<i>For 30 Degree Bend, Deduct</i>	-147.82	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.08	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.58	
26 05 36 00-0986 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	587.14	262.83
<i>For 60 Degree Bend, Deduct</i>	-92.99	
<i>For 30 Degree Bend, Deduct</i>	-169.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.81	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.36	
26 05 36 00-0987 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	669.65	308.53
<i>For 60 Degree Bend, Deduct</i>	-102.70	
<i>For 30 Degree Bend, Deduct</i>	-188.31	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.25	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.48	
26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0989 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	295.76	110.93
<i>For 60 Degree Bend, Deduct</i>	-55.10	
<i>For 30 Degree Bend, Deduct</i>	-98.00	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.79	
26 05 36 00-0990 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	346.55	133.70
<i>For 60 Degree Bend, Deduct</i>	-63.10	
<i>For 30 Degree Bend, Deduct</i>	-112.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.51	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.33	
26 05 36 00-0991 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	384.16	154.41
<i>For 60 Degree Bend, Deduct</i>	-67.59	
<i>For 30 Degree Bend, Deduct</i>	-121.23	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.55	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.21	
26 05 36 00-0992 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	465.03	197.16
<i>For 60 Degree Bend, Deduct</i>	-77.86	
<i>For 30 Degree Bend, Deduct</i>	-140.73	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.07	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.25	
26 05 36 00-0993 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	566.67	244.92
<i>For 60 Degree Bend, Deduct</i>	-93.13	
<i>For 30 Degree Bend, Deduct</i>	-168.83	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.33	
26 05 36 00-0994 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	663.70	284.12
<i>For 60 Degree Bend, Deduct</i>	-110.13	
<i>For 30 Degree Bend, Deduct</i>	-199.33	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.70	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.19	
26 05 36 00-0995 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	763.42	338.25
<i>For 60 Degree Bend, Deduct</i>	-122.29	
<i>For 30 Degree Bend, Deduct</i>	-222.60	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.16	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.17	
26 05 36 00-0996 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0997 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	339.74	114.48
For 60 Degree Bend, Deduct	-68.25	
For 30 Degree Bend, Deduct	-120.11	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.44	
For 6" Overall Height Instead Of 4-5/8", Add	16.99	
26 05 36 00-0998 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	383.89	139.03
For 60 Degree Bend, Deduct	-73.40	
For 30 Degree Bend, Deduct	-130.05	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.81	
For 6" Overall Height Instead Of 4-5/8", Add	19.19	
26 05 36 00-0999 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	424.30	161.36
For 60 Degree Bend, Deduct	-78.17	
For 30 Degree Bend, Deduct	-139.24	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.98	
For 6" Overall Height Instead Of 4-5/8", Add	21.22	
26 05 36 00-1000 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	519.40	208.84
For 60 Degree Bend, Deduct	-91.32	
For 30 Degree Bend, Deduct	-163.81	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.53	
For 6" Overall Height Instead Of 4-5/8", Add	25.97	
26 05 36 00-1001 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	647.38	262.83
For 60 Degree Bend, Deduct	-112.87	
For 30 Degree Bend, Deduct	-202.72	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.83	
For 6" Overall Height Instead Of 4-5/8", Add	32.37	
26 05 36 00-1002 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	736.24	308.53
For 60 Degree Bend, Deduct	-124.68	
For 30 Degree Bend, Deduct	-224.94	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.91	
For 6" Overall Height Instead Of 4-5/8", Add	36.81	
26 05 36 00-1003 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	866.66	373.46
For 60 Degree Bend, Deduct	-142.83	
For 30 Degree Bend, Deduct	-258.79	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.54	
For 6" Overall Height Instead Of 4-5/8", Add	43.33	
26 05 36 00-1004 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		
26 05 36 00-1005 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	413.65	147.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.04	
For 6" Overall Height Instead Of 4-5/8", Add	20.68	
26 05 36 00-1006 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	457.86	168.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.71	
For 6" Overall Height Instead Of 4-5/8", Add	22.89	
26 05 36 00-1007 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	490.53	186.80
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.49	
For 6" Overall Height Instead Of 4-5/8", Add	24.53	
26 05 36 00-1008 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	566.96	228.95
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.62	
For 6" Overall Height Instead Of 4-5/8", Add	28.35	
26 05 36 00-1009 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	632.59	262.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.35	
For 6" Overall Height Instead Of 4-5/8", Add	31.63	
26 05 36 00-1010 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	696.61	295.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.01	
For 6" Overall Height Instead Of 4-5/8", Add	34.83	
26 05 36 00-1011 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	772.48	337.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.11	
For 6" Overall Height Instead Of 4-5/8", Add	38.62	
26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		
26 05 36 00-1013 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	437.95	154.26
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.94	
For 6" Overall Height Instead Of 4-5/8", Add	21.90	
26 05 36 00-1014 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	484.22	177.48
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.63	
For 6" Overall Height Instead Of 4-5/8", Add	24.21	
26 05 36 00-1015 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	521.65	197.16
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.73	
For 6" Overall Height Instead Of 4-5/8", Add	26.08	
26 05 36 00-1016 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	611.72	244.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.77	
For 6" Overall Height Instead Of 4-5/8", Add	30.59	
26 05 36 00-1017 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	689.20	284.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.25	
For 6" Overall Height Instead Of 4-5/8", Add	34.46	
26 05 36 00-1018 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	765.35	322.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.66	
For 6" Overall Height Instead Of 4-5/8", Add	38.27	
26 05 36 00-1019 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	865.60	373.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.44	
For 6" Overall Height Instead Of 4-5/8", Add	43.28	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-0955)</small>						
26 05 36 00-1021	EA			6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray 548.29		161.21
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.39	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.41	
26 05 36 00-1022	EA			9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray 596.89		186.80
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.13	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.84	
26 05 36 00-1023	EA			12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray 652.06		208.84
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.80	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.60	
26 05 36 00-1024	EA			18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray 754.14		262.83
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.51	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.71	
26 05 36 00-1025	EA			24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray 842.47		308.53
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.53	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.12	
26 05 36 00-1026	EA			30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray 944.12		354.96
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.83	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.21	
26 05 36 00-1027	EA			36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray 1,062.73		417.09
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.52	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.14	
26 05 36 00-1028 12" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>						
26 05 36 00-1029	EA			6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray 666.87		284.12
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.02	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.34	
26 05 36 00-1030	EA			9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray 720.38		308.53
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.32	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.02	
26 05 36 00-1031	EA			12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray 746.72		322.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.80	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.34	
26 05 36 00-1032	EA			18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray 842.12		354.96
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.63	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.11	
26 05 36 00-1033	EA			24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray 932.63		394.01
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.43	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.63	
26 05 36 00-1034	EA			30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray 1,016.61		417.83
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.84	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	50.83	
26 05 36 00-1035	EA			36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray 1,172.09		473.00
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.79	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	58.60	
26 05 36 00-1036 24" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>						
26 05 36 00-1037	EA			6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray 844.05		308.53
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.69	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.20	
26 05 36 00-1038	EA			9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray 912.46		338.25
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.06	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.62	
26 05 36 00-1039	EA			12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray 949.93		354.96
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.41	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.50	
26 05 36 00-1040	EA			18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray 1,046.79		394.01
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.84	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	52.34	
26 05 36 00-1041	EA			24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray 1,164.43		443.71
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.47	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	58.22	
26 05 36 00-1042	EA			30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray 1,254.53		473.00
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.03	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	62.73	
26 05 36 00-1043	EA			36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray 1,624.20		546.50
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.88	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	81.21	
26 05 36 00-1044 36" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>						
26 05 36 00-1045	EA			6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray 1,029.78		338.25
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.80	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.49	
26 05 36 00-1046	EA			9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray 1,101.31		373.46
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.01	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	55.07	
26 05 36 00-1047	EA			12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray 1,179.97		394.01
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.16	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	59.00	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1048 EA 18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,291.27 -92.15 64.56	443.71
26 05 36 00-1049 EA 24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,453.03 -103.09 72.65	506.57
26 05 36 00-1050 EA 30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,681.28 -122.59 84.06	546.50
26 05 36 00-1051 EA 36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,931.04 -139.36 96.55	644.86
26 05 36 00-1052 12" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1053 EA 6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	872.52 -65.35 43.63	262.83
26 05 36 00-1054 EA 9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	902.47 -67.48 45.12	273.17
26 05 36 00-1055 EA 12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	923.72 -68.70 46.19	284.12
26 05 36 00-1056 EA 18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	974.06 -71.69 48.70	308.53
26 05 36 00-1057 EA 24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,035.28 -76.66 51.76	322.42
26 05 36 00-1058 EA 30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,098.97 -80.32 54.95	354.96
26 05 36 00-1059 EA 36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,179.97 -85.16 59.00	394.01
26 05 36 00-1060 24" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1061 EA 6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,209.11 -97.24 60.46	284.12
26 05 36 00-1062 EA 9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,238.19 -99.17 61.91	295.81
26 05 36 00-1063 EA 12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,268.96 -101.18 63.45	308.53
26 05 36 00-1064 EA 18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,340.54 -105.87 67.03	338.25
26 05 36 00-1065 EA 24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,387.53 -109.17 69.38	354.96
26 05 36 00-1066 EA 30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,471.70 -114.33 73.59	394.01
26 05 36 00-1067 EA 36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,627.39 -125.76 81.37	443.71
26 05 36 00-1068 36" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1069 EA 6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,913.78 -165.66 95.69	308.53
26 05 36 00-1070 EA 9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,955.12 -168.64 97.76	322.42
26 05 36 00-1071 EA 12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,999.50 -171.77 99.98	338.25
26 05 36 00-1072 EA 18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,076.54 -176.53 103.83	373.46
26 05 36 00-1073 EA 24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,128.98 -180.06 106.45	394.01
26 05 36 00-1074 EA 30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,266.25 -189.65 113.31	443.71
26 05 36 00-1075 EA 36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,389.10 -196.70 119.46	506.57



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1076 12" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>				
26 05 36 00-1077	EA 6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	861.14		354.96
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.53		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.06		
26 05 36 00-1078	EA 9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	920.56		373.46
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.93		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.03		
26 05 36 00-1079	EA 12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	958.00		394.01
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.96		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.90		
26 05 36 00-1080	EA 18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,061.00		417.83
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.28		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.05		
26 05 36 00-1081	EA 24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,165.75		473.00
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.16		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	58.29		
26 05 36 00-1082	EA 30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,288.14		506.57
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.60		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	64.41		
26 05 36 00-1083	EA 36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,465.65		546.50
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.03		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	73.28		
26 05 36 00-1084 24" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>				
26 05 36 00-1085	EA 6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,173.63		394.01
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.53		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	58.68		
26 05 36 00-1086	EA 9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,229.06		417.83
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.09		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	61.45		
26 05 36 00-1087	EA 12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,288.10		443.71
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.83		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	64.41		
26 05 36 00-1088	EA 18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,365.52		473.00
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.13		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	68.28		
26 05 36 00-1089	EA 24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,538.58		546.50
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.32		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	76.93		
26 05 36 00-1090	EA 30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,658.27		591.61
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.53		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	82.91		
26 05 36 00-1091	EA 36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,832.74		644.86
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.53		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	91.64		
26 05 36 00-1092 36" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>				
26 05 36 00-1093	EA 6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,348.35		443.71
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.86		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	67.42		
26 05 36 00-1094	EA 9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,422.60		473.00
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.84		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	71.13		
26 05 36 00-1095	EA 12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,516.45		506.57
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.44		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	75.82		
26 05 36 00-1096	EA 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,627.37		546.50
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.20		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	81.37		
26 05 36 00-1097	EA 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,962.75		644.86
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.53		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	98.14		
26 05 36 00-1098	EA 30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,164.33		708.75
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-157.37		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	108.22		
26 05 36 00-1099	EA 36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,409.85		789.51
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-175.19		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	120.49		
26 05 36 00-1100 12" Radius Vertical Crosses <small>(26 05 36 00-0955)</small>				
26 05 36 00-1101	EA 6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	861.14		354.96
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.53		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.06		
26 05 36 00-1102	EA 9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	920.77		373.61
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.94		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.04		
26 05 36 00-1103	EA 12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	957.89		394.01
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.96		
	<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.89		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1104 EA 18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,061.26 -71.30 53.06	417.98
26 05 36 00-1105 EA 24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,165.75 -77.16 58.29	473.00
26 05 36 00-1106 EA 30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,288.52 -86.62 64.43	506.72
26 05 36 00-1107 EA 36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,464.54 -100.97 73.23	545.76
26 05 36 00-1108 24" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1109 EA 6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,173.63 -84.53 58.68	394.01
26 05 36 00-1110 EA 9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,229.06 -88.09 61.45	417.83
26 05 36 00-1111 EA 12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,288.10 -91.83 64.41	443.71
26 05 36 00-1112 EA 18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,365.52 -97.13 68.28	473.00
26 05 36 00-1113 EA 24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,538.58 -108.32 76.93	546.50
26 05 36 00-1114 EA 30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,658.27 -116.53 82.91	591.61
26 05 36 00-1115 EA 36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,832.74 -129.53 91.64	644.86
26 05 36 00-1116 36" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1117 EA 6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,622.32 -125.26 81.12	443.71
26 05 36 00-1118 EA 9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,707.98 -131.38 85.40	473.00
26 05 36 00-1119 EA 12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,818.96 -139.69 90.95	506.57
26 05 36 00-1120 EA 18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,949.86 -149.45 97.49	546.50
26 05 36 00-1121 EA 24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,362.30 -182.49 118.12	644.86
26 05 36 00-1122 EA 30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,606.68 -201.60 130.33	708.75
26 05 36 00-1123 EA 36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,902.14 -224.42 145.11	789.51
26 05 36 00-1124 9" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1126 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	351.55 -22.80 17.58	148.35
26 05 36 00-1127 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	388.63 -24.78 19.43	168.91
26 05 36 00-1128 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	438.08 -28.25 21.90	186.80
26 05 36 00-1129 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	524.28 -33.35 26.21	228.95
26 05 36 00-1130 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	615.15 -39.61 30.76	262.83
26 05 36 00-1131 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	680.63 -43.41 34.03	295.81



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1132	EA			36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	790.73	338.10
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.90	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.54	
26 05 36 00-1133				90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1134	EA			6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	442.11	154.26
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.35	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.11	
26 05 36 00-1135	EA			9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	488.47	177.33
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.07	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.42	
26 05 36 00-1136	EA			12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	530.83	197.16
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.65	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.54	
26 05 36 00-1137	EA			18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	627.45	244.92
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.34	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.37	
26 05 36 00-1138	EA			24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	713.91	284.12
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.72	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.70	
26 05 36 00-1139	EA			30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	800.37	322.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.17	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.02	
26 05 36 00-1140	EA			36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	918.45	373.46
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.72	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.92	
26 05 36 00-1141				90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1142	EA			6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	472.19	161.21
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.78	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.61	
26 05 36 00-1143	EA			9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	519.74	186.66
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.43	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.99	
26 05 36 00-1144	EA			12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	580.71	208.84
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.66	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.04	
26 05 36 00-1145	EA			18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	699.71	262.83
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.07	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.99	
26 05 36 00-1146	EA			24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	810.23	308.53
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.31	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.51	
26 05 36 00-1147	EA			30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	916.63	354.96
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.08	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.83	
26 05 36 00-1148	EA			36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,067.62	417.09
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.01	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.38	
26 05 36 00-1149				45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1150	EA			6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	247.84	107.52
				<i>For 60 Degree Bend, Deduct</i>	-40.59	
				<i>For 30 Degree Bend, Deduct</i>	-73.61	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.83	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.39	
26 05 36 00-1151	EA			9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	286.20	128.97
				<i>For 60 Degree Bend, Deduct</i>	-45.03	
				<i>For 30 Degree Bend, Deduct</i>	-82.21	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.88	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.31	
26 05 36 00-1152	EA			12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	320.50	147.91
				<i>For 60 Degree Bend, Deduct</i>	-49.07	
				<i>For 30 Degree Bend, Deduct</i>	-90.00	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.72	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.03	
26 05 36 00-1153	EA			18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	398.70	186.95
				<i>For 60 Degree Bend, Deduct</i>	-59.93	
				<i>For 30 Degree Bend, Deduct</i>	-110.26	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.30	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.94	
26 05 36 00-1154	EA			24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	489.93	228.95
				<i>For 60 Degree Bend, Deduct</i>	-73.91	
				<i>For 30 Degree Bend, Deduct</i>	-135.91	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.91	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.50	
26 05 36 00-1155	EA			30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	562.30	262.83
				<i>For 60 Degree Bend, Deduct</i>	-84.80	
				<i>For 30 Degree Bend, Deduct</i>	-155.93	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.33	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.12	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1156 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	643.75	308.53
For 60 Degree Bend, Deduct	-94.16	
For 30 Degree Bend, Deduct	-174.07	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.66	
For 6" Overall Height Instead Of 4-5/8", Add	32.19	
26 05 36 00-1157 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1158 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	277.27	110.93
For 60 Degree Bend, Deduct	-49.00	
For 30 Degree Bend, Deduct	-87.83	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.49	
For 6" Overall Height Instead Of 4-5/8", Add	13.86	
26 05 36 00-1159 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	325.94	133.70
For 60 Degree Bend, Deduct	-56.30	
For 30 Degree Bend, Deduct	-101.26	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.45	
For 6" Overall Height Instead Of 4-5/8", Add	16.30	
26 05 36 00-1160 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	363.02	154.41
For 60 Degree Bend, Deduct	-60.61	
For 30 Degree Bend, Deduct	-109.60	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.44	
For 6" Overall Height Instead Of 4-5/8", Add	18.15	
26 05 36 00-1161 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	442.31	197.16
For 60 Degree Bend, Deduct	-70.37	
For 30 Degree Bend, Deduct	-128.23	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.80	
For 6" Overall Height Instead Of 4-5/8", Add	22.12	
26 05 36 00-1162 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	540.24	244.92
For 60 Degree Bend, Deduct	-84.41	
For 30 Degree Bend, Deduct	-154.29	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.62	
For 6" Overall Height Instead Of 4-5/8", Add	27.01	
26 05 36 00-1163 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	631.99	284.12
For 60 Degree Bend, Deduct	-99.67	
For 30 Degree Bend, Deduct	-181.89	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.53	
For 6" Overall Height Instead Of 4-5/8", Add	31.60	
26 05 36 00-1164 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	730.13	338.25
For 60 Degree Bend, Deduct	-111.30	
For 30 Degree Bend, Deduct	-204.29	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.83	
For 6" Overall Height Instead Of 4-5/8", Add	36.51	
26 05 36 00-1165 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1166 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	314.90	114.48
For 60 Degree Bend, Deduct	-60.06	
For 30 Degree Bend, Deduct	-106.45	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.96	
For 6" Overall Height Instead Of 4-5/8", Add	15.75	
26 05 36 00-1167 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	358.52	139.03
For 60 Degree Bend, Deduct	-65.03	
For 30 Degree Bend, Deduct	-116.10	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.27	
For 6" Overall Height Instead Of 4-5/8", Add	17.93	
26 05 36 00-1168 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	398.40	161.36
For 60 Degree Bend, Deduct	-69.62	
For 30 Degree Bend, Deduct	-125.00	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.39	
For 6" Overall Height Instead Of 4-5/8", Add	19.92	
26 05 36 00-1169 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	490.86	208.84
For 60 Degree Bend, Deduct	-81.90	
For 30 Degree Bend, Deduct	-148.11	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.68	
For 6" Overall Height Instead Of 4-5/8", Add	24.54	
26 05 36 00-1170 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	612.50	262.83
For 60 Degree Bend, Deduct	-101.36	
For 30 Degree Bend, Deduct	-183.54	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.35	
For 6" Overall Height Instead Of 4-5/8", Add	30.63	
26 05 36 00-1171 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	699.24	308.53
For 60 Degree Bend, Deduct	-112.47	
For 30 Degree Bend, Deduct	-204.59	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.21	
For 6" Overall Height Instead Of 4-5/8", Add	34.96	
26 05 36 00-1172 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	825.96	373.46
For 60 Degree Bend, Deduct	-129.39	
For 30 Degree Bend, Deduct	-236.41	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.47	
For 6" Overall Height Instead Of 4-5/8", Add	41.30	
26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1124)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1174 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	391.85 -26.86 19.59	147.91
26 05 36 00-1175 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	434.87 -29.41 21.74	168.91
26 05 36 00-1176 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	467.15 -31.15 23.36	186.80
26 05 36 00-1177 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	542.78 -35.20 27.14	228.95
26 05 36 00-1178 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	607.22 -38.82 30.36	262.83
26 05 36 00-1179 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	670.06 -42.36 33.50	295.81
26 05 36 00-1180 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	745.13 -46.37 37.26	337.66
 26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1182 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	414.37 -28.58 20.72	154.26
26 05 36 00-1183 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	459.64 -31.17 22.98	177.48
26 05 36 00-1184 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	496.48 -33.21 24.82	197.16
26 05 36 00-1185 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	585.17 -38.11 29.26	244.92
26 05 36 00-1186 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	661.06 -42.43 33.05	284.12
26 05 36 00-1187 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	735.63 -46.69 36.78	322.42
26 05 36 00-1188 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	833.89 -52.26 41.69	373.46
 26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1190 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	511.83 -37.75 25.59	161.21
26 05 36 00-1191 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	559.63 -40.40 27.98	186.80
26 05 36 00-1192 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	612.42 -43.83 30.62	208.84
26 05 36 00-1193 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	712.92 -49.39 35.65	262.83
26 05 36 00-1194 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	799.66 -54.25 39.98	308.53
26 05 36 00-1195 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	898.14 -60.23 44.91	354.96
26 05 36 00-1196 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,014.77 -66.73 50.74	417.09
 26 05 36 00-1197 12" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1198 EA 6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	634.63 -39.79 31.73	284.12
26 05 36 00-1199 EA 9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	686.03 -42.89 34.30	308.53
26 05 36 00-1200 EA 12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	711.84 -44.31 35.59	322.42
26 05 36 00-1201 EA 18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	800.37 -50.46 40.02	354.96

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1202 EA 24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	886.66 -55.83 44.33	394.01
26 05 36 00-1203 EA 30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	963.23 -61.51 48.16	417.83
26 05 36 00-1204 EA 36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,108.14 -71.39 55.41	473.00
26 05 36 00-1205 24" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1206 EA 6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	789.09 -53.20 39.45	308.53
26 05 36 00-1207 EA 9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	854.32 -57.25 42.72	338.25
26 05 36 00-1208 EA 12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	890.21 -59.44 44.51	354.96
26 05 36 00-1209 EA 18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	981.78 -65.34 49.09	394.01
26 05 36 00-1210 EA 24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,093.61 -72.39 54.68	443.71
26 05 36 00-1211 EA 30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,176.84 -78.26 58.84	473.00
26 05 36 00-1212 EA 36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,505.29 -104.99 75.26	546.50
26 05 36 00-1213 36" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1214 EA 6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	952.09 -67.03 47.60	338.25
26 05 36 00-1215 EA 9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,021.50 -71.03 51.08	373.46
26 05 36 00-1216 EA 12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,092.77 -76.44 54.64	394.01
26 05 36 00-1217 EA 18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,199.31 -82.96 59.97	443.71
26 05 36 00-1218 EA 24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,351.56 -92.95 67.58	506.57
26 05 36 00-1219 EA 30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,552.85 -109.75 77.64	546.50
26 05 36 00-1220 EA 36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,788.35 -125.09 89.42	644.86
26 05 36 00-1221 12" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1222 EA 6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	800.12 -58.11 40.01	262.83
26 05 36 00-1223 EA 9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	827.95 -60.03 41.40	273.17
26 05 36 00-1224 EA 12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	848.67 -61.20 42.43	284.12
26 05 36 00-1225 EA 18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	897.43 -64.03 44.87	308.53
26 05 36 00-1226 EA 24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	952.31 -68.36 47.62	322.42
26 05 36 00-1227 EA 30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,014.41 -71.86 50.72	354.96
26 05 36 00-1228 EA 36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,092.77 -76.44 54.64	394.01
26 05 36 00-1229 24" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1230 EA 6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,086.50 -84.98 54.33	284.12
26 05 36 00-1231 EA 9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,113.99 -86.75 55.70	295.81
26 05 36 00-1232 EA 12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,143.18 -88.60 57.16	308.53
26 05 36 00-1233 EA 18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,211.06 -92.92 60.55	338.25
26 05 36 00-1234 EA 24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,254.87 -95.91 62.74	354.96
26 05 36 00-1235 EA 30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,335.88 -100.75 66.79	394.01
26 05 36 00-1236 EA 36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,479.41 -110.97 73.97	443.71
 26 05 36 00-1237 36" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1238 EA 6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,680.53 -142.34 84.03	308.53
26 05 36 00-1239 EA 9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,718.84 -145.01 85.94	322.42
26 05 36 00-1240 EA 12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,760.19 -147.84 88.01	338.25
26 05 36 00-1241 EA 18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,834.20 -152.30 91.71	373.46
26 05 36 00-1242 EA 24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,883.61 -155.52 94.18	394.01
26 05 36 00-1243 EA 30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,011.79 -164.20 100.59	443.71
26 05 36 00-1244 EA 36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,131.62 -170.95 106.58	506.57
 26 05 36 00-1245 12" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1246 EA 6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	816.22 -52.04 40.81	354.96
26 05 36 00-1247 EA 9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	870.88 -55.96 43.54	373.46
26 05 36 00-1248 EA 12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	907.80 -57.94 45.39	394.01
26 05 36 00-1249 EA 18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,000.23 -65.21 50.01	417.83
26 05 36 00-1250 EA 24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,102.86 -70.87 55.14	473.00
26 05 36 00-1251 EA 30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,214.15 -79.21 60.71	506.57
26 05 36 00-1252 EA 36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,373.16 -91.78 68.66	546.50
 26 05 36 00-1253 24" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1254 EA 6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,087.48 -75.91 54.37	394.01
26 05 36 00-1255 EA 9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,140.28 -79.21 57.01	417.83
26 05 36 00-1256 EA 12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,196.67 -82.69 59.83	443.71
26 05 36 00-1257 EA 18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,269.33 -87.51 63.47	473.00

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1258 EA 24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,433.94	546.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-97.86	
For 6" Overall Height Instead Of 4-5/8", Add	71.70	
26 05 36 00-1259 EA 30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,546.23	591.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-105.32	
For 6" Overall Height Instead Of 4-5/8", Add	77.31	
26 05 36 00-1260 EA 36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,706.43	644.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-116.90	
For 6" Overall Height Instead Of 4-5/8", Add	85.32	
26 05 36 00-1261 36" Radius Horizontal Crosses (26 05 36 00-1124)		
26 05 36 00-1262 EA 6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,246.88	443.71
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-87.71	
For 6" Overall Height Instead Of 4-5/8", Add	62.34	
26 05 36 00-1263 EA 9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,316.90	473.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.27	
For 6" Overall Height Instead Of 4-5/8", Add	65.85	
26 05 36 00-1264 EA 12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,404.41	506.57
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.23	
For 6" Overall Height Instead Of 4-5/8", Add	70.22	
26 05 36 00-1265 EA 18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,507.93	546.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-105.26	
For 6" Overall Height Instead Of 4-5/8", Add	75.40	
26 05 36 00-1266 EA 24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,814.77	644.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-127.73	
For 6" Overall Height Instead Of 4-5/8", Add	90.74	
26 05 36 00-1267 EA 30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,000.50	708.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-140.98	
For 6" Overall Height Instead Of 4-5/8", Add	100.03	
26 05 36 00-1268 EA 36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,227.52	789.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-156.96	
For 6" Overall Height Instead Of 4-5/8", Add	111.38	
26 05 36 00-1269 12" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1270 EA 6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	816.22	354.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.04	
For 6" Overall Height Instead Of 4-5/8", Add	40.81	
26 05 36 00-1271 EA 9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	870.88	373.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.96	
For 6" Overall Height Instead Of 4-5/8", Add	43.54	
26 05 36 00-1272 EA 12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	907.80	394.01
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.94	
For 6" Overall Height Instead Of 4-5/8", Add	45.39	
26 05 36 00-1273 EA 18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,000.23	417.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.21	
For 6" Overall Height Instead Of 4-5/8", Add	50.01	
26 05 36 00-1274 EA 24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,102.86	473.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.87	
For 6" Overall Height Instead Of 4-5/8", Add	55.14	
26 05 36 00-1275 EA 30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,214.15	506.57
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.21	
For 6" Overall Height Instead Of 4-5/8", Add	60.71	
26 05 36 00-1276 EA 36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,370.93	545.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.67	
For 6" Overall Height Instead Of 4-5/8", Add	68.55	
26 05 36 00-1277 24" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1278 EA 6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,087.48	394.01
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.91	
For 6" Overall Height Instead Of 4-5/8", Add	54.37	
26 05 36 00-1279 EA 9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,140.28	417.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.21	
For 6" Overall Height Instead Of 4-5/8", Add	57.01	
26 05 36 00-1280 EA 12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,196.67	443.71
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.69	
For 6" Overall Height Instead Of 4-5/8", Add	59.83	
26 05 36 00-1281 EA 18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,269.33	473.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-87.51	
For 6" Overall Height Instead Of 4-5/8", Add	63.47	
26 05 36 00-1282 EA 24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,433.94	546.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-97.86	
For 6" Overall Height Instead Of 4-5/8", Add	71.70	
26 05 36 00-1283 EA 30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,546.23	591.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-105.32	
For 6" Overall Height Instead Of 4-5/8", Add	77.31	
26 05 36 00-1284 EA 36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,706.43	644.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-116.90	
For 6" Overall Height Instead Of 4-5/8", Add	85.32	
26 05 36 00-1285 36" Radius Vertical Crosses (26 05 36 00-1124)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1286 EA 6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,475.19	443.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.54	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	73.76	
26 05 36 00-1287 EA 9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,554.72	473.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.05	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	77.74	
26 05 36 00-1288 EA 12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,656.50	506.57
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.44	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	82.83	
26 05 36 00-1289 EA 18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,776.67	546.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	88.83	
26 05 36 00-1290 EA 24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,147.73	644.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-161.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	107.39	
26 05 36 00-1291 EA 30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,369.12	708.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-177.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	118.46	
26 05 36 00-1292 EA 36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,637.76	789.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-197.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	131.89	
26 05 36 00-1293 12" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-1294 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1295 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	344.24	148.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.07	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.21	
26 05 36 00-1296 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	381.14	168.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.06	
26 05 36 00-1297 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	429.20	186.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.36	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.46	
26 05 36 00-1298 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	514.30	228.95
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.35	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.72	
26 05 36 00-1299 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	602.75	262.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.37	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.14	
26 05 36 00-1300 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	667.49	295.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.10	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.37	
26 05 36 00-1301 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	774.83	338.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.31	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.74	
26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1303 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray.....	429.17	154.26
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.46	
26 05 36 00-1304 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray.....	474.97	177.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.72	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.75	
26 05 36 00-1305 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray.....	516.68	197.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.23	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.83	
26 05 36 00-1306 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray.....	612.09	244.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.80	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.60	
26 05 36 00-1307 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray.....	697.07	284.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.04	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.85	
26 05 36 00-1308 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray.....	781.96	322.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.32	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.10	
26 05 36 00-1309 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray.....	897.73	373.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.65	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.89	
26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1311 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray.....	457.95	161.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.36	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.90	
26 05 36 00-1312 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray.....	505.12	186.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.96	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.26	
26 05 36 00-1313 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray.....	564.43	208.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.22	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1314 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	681.39	262.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.23	
For 6" Overall Height Instead Of 4-5/8", Add	34.07	
26 05 36 00-1315 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	789.51	308.53
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.24	
For 6" Overall Height Instead Of 4-5/8", Add	39.48	
26 05 36 00-1316 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	893.88	354.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.81	
For 6" Overall Height Instead Of 4-5/8", Add	44.69	
26 05 36 00-1317 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,041.54	417.09
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.40	
For 6" Overall Height Instead Of 4-5/8", Add	52.08	
26 05 36 00-1318 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1293)		
26 05 36 00-1319 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	243.04	107.52
For 60 Degree Bend, Deduct	-39.00	
For 30 Degree Bend, Deduct	-70.97	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.35	
For 6" Overall Height Instead Of 4-5/8", Add	12.15	
26 05 36 00-1320 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	281.20	128.97
For 60 Degree Bend, Deduct	-43.38	
For 30 Degree Bend, Deduct	-79.46	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.38	
For 6" Overall Height Instead Of 4-5/8", Add	14.06	
26 05 36 00-1321 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	315.32	147.91
For 60 Degree Bend, Deduct	-47.36	
For 30 Degree Bend, Deduct	-87.15	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.21	
For 6" Overall Height Instead Of 4-5/8", Add	15.77	
26 05 36 00-1322 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	392.60	186.95
For 60 Degree Bend, Deduct	-57.91	
For 30 Degree Bend, Deduct	-106.91	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.69	
For 6" Overall Height Instead Of 4-5/8", Add	19.63	
26 05 36 00-1323 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	482.35	228.95
For 60 Degree Bend, Deduct	-71.41	
For 30 Degree Bend, Deduct	-131.74	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.16	
For 6" Overall Height Instead Of 4-5/8", Add	24.12	
26 05 36 00-1324 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	553.60	262.83
For 60 Degree Bend, Deduct	-81.93	
For 30 Degree Bend, Deduct	-151.15	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.46	
For 6" Overall Height Instead Of 4-5/8", Add	27.68	
26 05 36 00-1325 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	634.69	308.53
For 60 Degree Bend, Deduct	-91.17	
For 30 Degree Bend, Deduct	-169.09	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.76	
For 6" Overall Height Instead Of 4-5/8", Add	31.73	
26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1293)		
26 05 36 00-1327 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	270.79	110.93
For 60 Degree Bend, Deduct	-46.86	
For 30 Degree Bend, Deduct	-84.26	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.84	
For 6" Overall Height Instead Of 4-5/8", Add	13.54	
26 05 36 00-1328 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	318.72	133.70
For 60 Degree Bend, Deduct	-53.92	
For 30 Degree Bend, Deduct	-97.29	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.73	
For 6" Overall Height Instead Of 4-5/8", Add	15.94	
26 05 36 00-1329 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	355.62	154.41
For 60 Degree Bend, Deduct	-58.17	
For 30 Degree Bend, Deduct	-105.53	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.70	
For 6" Overall Height Instead Of 4-5/8", Add	17.78	
26 05 36 00-1330 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	434.35	197.16
For 60 Degree Bend, Deduct	-67.74	
For 30 Degree Bend, Deduct	-123.85	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.00	
For 6" Overall Height Instead Of 4-5/8", Add	21.72	
26 05 36 00-1331 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	531.00	244.92
For 60 Degree Bend, Deduct	-81.36	
For 30 Degree Bend, Deduct	-149.21	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.69	
For 6" Overall Height Instead Of 4-5/8", Add	26.55	
26 05 36 00-1332 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	620.89	284.12
For 60 Degree Bend, Deduct	-96.00	
For 30 Degree Bend, Deduct	-175.79	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.42	
For 6" Overall Height Instead Of 4-5/8", Add	31.04	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1333	EA			36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	718.47	338.25
				<i>For 60 Degree Bend, Deduct</i>	-107.46	
				<i>For 30 Degree Bend, Deduct</i>	-197.88	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.66	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.92	
26 05 36 00-1334				45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1335	EA			6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	306.20	114.48
				<i>For 60 Degree Bend, Deduct</i>	-57.19	
				<i>For 30 Degree Bend, Deduct</i>	-101.67	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.09	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.31	
26 05 36 00-1336	EA			9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	349.64	139.03
				<i>For 60 Degree Bend, Deduct</i>	-62.09	
				<i>For 30 Degree Bend, Deduct</i>	-111.21	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.38	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.48	
26 05 36 00-1337	EA			12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	389.34	161.36
				<i>For 60 Degree Bend, Deduct</i>	-66.63	
				<i>For 30 Degree Bend, Deduct</i>	-120.02	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.49	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.47	
26 05 36 00-1338	EA			18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	480.88	208.84
				<i>For 60 Degree Bend, Deduct</i>	-78.61	
				<i>For 30 Degree Bend, Deduct</i>	-142.62	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.68	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.04	
26 05 36 00-1339	EA			24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	600.30	262.83
				<i>For 60 Degree Bend, Deduct</i>	-97.34	
				<i>For 30 Degree Bend, Deduct</i>	-176.83	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.13	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.02	
26 05 36 00-1340	EA			30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	686.30	308.53
				<i>For 60 Degree Bend, Deduct</i>	-108.20	
				<i>For 30 Degree Bend, Deduct</i>	-197.47	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.92	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.32	
26 05 36 00-1341	EA			36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	811.72	373.46
				<i>For 60 Degree Bend, Deduct</i>	-124.69	
				<i>For 30 Degree Bend, Deduct</i>	-228.57	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.05	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.59	
26 05 36 00-1342				90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1343	EA			6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	377.31	147.91
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.41	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.87	
26 05 36 00-1344	EA			9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	419.55	168.91
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.87	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.98	
26 05 36 00-1345	EA			12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	451.56	186.80
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.59	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.58	
26 05 36 00-1346	EA			18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	526.66	228.95
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.59	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.33	
26 05 36 00-1347	EA			24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	590.31	262.83
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.13	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.52	
26 05 36 00-1348	EA			30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	652.35	295.81
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.58	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.62	
26 05 36 00-1349	EA			36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	726.90	337.66
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.55	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.35	
26 05 36 00-1350				90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1351	EA			6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	398.64	154.26
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.01	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.93	
26 05 36 00-1352	EA			9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	443.26	177.48
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.54	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.16	
26 05 36 00-1353	EA			12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	479.70	197.16
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.54	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.99	
26 05 36 00-1354	EA			18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	567.46	244.92
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.34	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.37	
26 05 36 00-1355	EA			24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	642.29	284.12
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.56	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.11	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1356	EA		30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	715.81 -44.71 35.79	322.42
26 05 36 00-1357	EA		36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	812.75 -50.15 40.64	373.46
26 05 36 00-1358			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1359	EA		6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	487.52 -35.32 24.38	161.21
26 05 36 00-1360	EA		9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	534.79 -37.92 26.74	186.80
26 05 36 00-1361	EA		12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	585.99 -41.19 29.30	208.84
26 05 36 00-1362	EA		18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	685.44 -46.64 34.27	262.83
26 05 36 00-1363	EA		24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	771.12 -51.40 38.56	308.53
26 05 36 00-1364	EA		30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	867.48 -57.17 43.37	354.96
26 05 36 00-1365	EA		36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	982.80 -63.53 49.14	417.09
26 05 36 00-1366			12" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1367	EA		6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	618.51 -38.18 30.93	284.12
26 05 36 00-1368	EA		9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	668.86 -41.17 33.44	308.53
26 05 36 00-1369	EA		12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	694.40 -42.57 34.72	322.42
26 05 36 00-1370	EA		18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	779.49 -48.37 38.97	354.96
26 05 36 00-1371	EA		24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	863.67 -53.53 43.18	394.01
26 05 36 00-1372	EA		30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	936.54 -58.84 46.83	417.83
26 05 36 00-1373	EA		36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,076.17 -68.20 53.81	473.00
26 05 36 00-1374			24" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1375	EA		6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	761.61 -50.45 38.08	308.53
26 05 36 00-1376	EA		9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	825.26 -54.34 41.26	338.25
26 05 36 00-1377	EA		12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	860.35 -56.45 43.02	354.96
26 05 36 00-1378	EA		18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	949.28 -62.09 47.46	394.01
26 05 36 00-1379	EA		24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,058.20 -68.84 52.91	443.71
26 05 36 00-1380	EA		30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,138.00 -74.38 56.90	473.00
26 05 36 00-1381	EA		36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,445.83 -99.05 72.29	546.50
26 05 36 00-1382			36" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1383	EA		6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	913.25 -63.14 45.66	338.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1384 EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	981.60 -67.04 49.08	373.46
26 05 36 00-1385 EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,049.17 -72.08 52.46	394.01
26 05 36 00-1386 EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,153.33 -78.36 57.67	443.71
26 05 36 00-1387 EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,300.82 -87.87 65.04	506.57
26 05 36 00-1388 EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,488.64 -103.33 74.43	546.50
26 05 36 00-1389 EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,717.00 -117.96 85.85	644.86
26 05 36 00-1390 12" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1391 EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	763.92 -54.49 38.20	262.83
26 05 36 00-1392 EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	790.69 -56.30 39.53	273.17
26 05 36 00-1393 EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	811.15 -57.44 40.56	284.12
26 05 36 00-1394 EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	859.11 -60.20 42.96	308.53
26 05 36 00-1395 EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	910.82 -64.21 45.54	322.42
26 05 36 00-1396 EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	972.13 -67.63 48.61	354.96
26 05 36 00-1397 EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,049.17 -72.08 52.46	394.01
26 05 36 00-1398 24" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1399 EA 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,025.19 -78.85 51.26	284.12
26 05 36 00-1400 EA 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,051.89 -80.54 52.59	295.81
26 05 36 00-1401 EA 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,080.29 -82.32 54.01	308.53
26 05 36 00-1402 EA 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,146.32 -86.45 57.32	338.25
26 05 36 00-1403 EA 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,188.55 -89.27 59.43	354.96
26 05 36 00-1404 EA 30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,267.97 -93.96 63.40	394.01
26 05 36 00-1405 EA 36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,405.42 -103.57 70.27	443.71
26 05 36 00-1406 36" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1407 EA 6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,563.90 -130.68 78.20	308.53
26 05 36 00-1408 EA 9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,600.70 -133.20 80.04	322.42
26 05 36 00-1409 EA 12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,640.54 -135.87 82.03	338.25
26 05 36 00-1410 EA 18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,713.03 -140.18 85.65	373.46
26 05 36 00-1411 EA 24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,760.93 -143.26 88.05	394.01

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1412	EA		30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,884.57 -151.48 94.23	443.71
26 05 36 00-1413	EA		36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,002.87 -158.08 100.14	506.57
26 05 36 00-1414			12" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1415	EA		6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	793.76 -49.80 39.69	354.96
26 05 36 00-1416	EA		9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	846.04 -53.48 42.30	373.46
26 05 36 00-1417	EA		12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	882.69 -55.43 44.13	394.01
26 05 36 00-1418	EA		18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	969.84 -62.17 48.49	417.83
26 05 36 00-1419	EA		24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,071.41 -67.72 53.57	473.00
26 05 36 00-1420	EA		30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,177.15 -75.51 58.86	506.57
26 05 36 00-1421	EA		36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,326.92 -87.16 66.35	546.50
26 05 36 00-1422			24" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1423	EA		6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,044.41 -71.60 52.22	394.01
26 05 36 00-1424	EA		9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,095.88 -74.77 54.79	417.83
26 05 36 00-1425	EA		12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,150.95 -78.12 57.55	443.71
26 05 36 00-1426	EA		18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,221.24 -82.70 61.06	473.00
26 05 36 00-1427	EA		24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,381.62 -92.63 69.08	546.50
26 05 36 00-1428	EA		30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,490.21 -99.72 74.51	591.61
26 05 36 00-1429	EA		36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,643.28 -110.58 82.16	644.86
26 05 36 00-1430			36" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1431	EA		6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,196.14 -82.64 59.81	443.71
26 05 36 00-1432	EA		9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,264.05 -86.99 63.20	473.00
26 05 36 00-1433	EA		12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,348.39 -92.63 67.42	506.57
26 05 36 00-1434	EA		18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,448.21 -99.28 72.41	546.50
26 05 36 00-1435	EA		24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,740.78 -120.33 87.04	644.86
26 05 36 00-1436	EA		30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,918.58 -132.79 95.93	708.75
26 05 36 00-1437	EA		36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,136.35 -147.84 106.82	789.51
26 05 36 00-1438			12" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1439	EA		6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	793.76 -49.80 39.69	354.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1440 EA 9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	846.25 -53.49 42.31	373.61
26 05 36 00-1441 EA 12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	882.58 -55.43 44.13	394.01
26 05 36 00-1442 EA 18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	970.10 -62.18 48.51	417.98
26 05 36 00-1443 EA 24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,071.41 -67.72 53.57	473.00
26 05 36 00-1444 EA 30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,177.53 -75.52 58.88	506.72
26 05 36 00-1445 EA 36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,325.81 -87.10 66.29	545.76
26 05 36 00-1446 24" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1447 EA 6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,044.41 -71.60 52.22	394.01
26 05 36 00-1448 EA 9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,095.88 -74.77 54.79	417.83
26 05 36 00-1449 EA 12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,150.95 -78.12 57.55	443.71
26 05 36 00-1450 EA 18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,221.24 -82.70 61.06	473.00
26 05 36 00-1451 EA 24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,381.62 -92.63 69.08	546.50
26 05 36 00-1452 EA 30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,490.21 -99.72 74.51	591.61
26 05 36 00-1453 EA 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,643.28 -110.58 82.16	644.86
26 05 36 00-1454 36" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1455 EA 6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,401.62 -103.19 70.08	443.71
26 05 36 00-1456 EA 9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,478.09 -108.39 73.90	473.00
26 05 36 00-1457 EA 12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,575.27 -115.32 78.76	506.57
26 05 36 00-1458 EA 18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,690.08 -123.47 84.50	546.50
26 05 36 00-1459 EA 24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,040.44 -150.30 102.02	644.86
26 05 36 00-1460 EA 30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,250.35 -165.97 112.52	708.75
26 05 36 00-1461 EA 36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,505.57 -184.76 125.28	789.51
26 05 36 00-1462 Dropout Or End Plates And Reducers <small>(26 05 36 00-0744)</small>		
26 05 36 00-1463 Straight Reducers <small>(26 05 36 00-1462)</small>		
26 05 36 00-1464 EA 9"-6" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	300.88 -20.99 15.04	109.15
26 05 36 00-1465 EA 12"-9" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	318.55 -22.01 15.93	118.17
26 05 36 00-1466 EA 18"-12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	351.60 -23.79 17.58	136.37
26 05 36 00-1467 EA 24"-18" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	389.83 -25.83 19.49	157.82

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1468	EA		30"-24" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	425.29 -27.74 21.26	177.48
26 05 36 00-1469	EA		36"-30" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	475.39 -30.64 23.77	202.78
26 05 36 00-1470			Reducers <small>(26 05 36 00-1462)</small>		
26 05 36 00-1471	EA		18"-6" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	351.74 -23.80 17.59	136.52
26 05 36 00-1472	EA		24"-12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	390.20 -25.85 19.51	157.96
26 05 36 00-1473	EA		30"-12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	425.05 -27.73 21.25	177.33
26 05 36 00-1474	EA		30"-18" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	427.46 -27.98 21.37	177.19
26 05 36 00-1475	EA		36"-12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	472.75 -30.38 23.64	202.78
26 05 36 00-1476	EA		36"-18" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	484.28 -31.08 24.21	208.10
26 05 36 00-1477	EA		36"-24" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	500.64 -32.17 25.03	214.76
26 05 36 00-1478			Dropout Or End Plate <small>(26 05 36 00-1482)</small>		
26 05 36 00-1479	EA		6" Dropout Or End Plate, Aluminum Cable Tray	89.67	44.37
26 05 36 00-1480	EA		9" Dropout Or End Plate, Aluminum Cable Tray	101.24	50.73
26 05 36 00-1481	EA		12" Dropout Or End Plate, Aluminum Cable Tray	109.19	54.58
26 05 36 00-1482	EA		18" Dropout Or End Plate, Aluminum Cable Tray	131.95	64.49
26 05 36 00-1483	EA		24" Dropout Or End Plate, Aluminum Cable Tray	146.99	70.99
26 05 36 00-1484	EA		30" Dropout Or End Plate, Aluminum Cable Tray	165.58	78.83
26 05 36 00-1485	EA		36" Dropout Or End Plate, Aluminum Cable Tray	185.83	88.74
26 05 36 00-1486			Solid Bottom Cable Tray <small>(26 05 36 00-0001)</small> Note: 3-5/8" Height.		
26 05 36 00-1487			Solid Bottom Galvanized Steel Straight Tray Sections <small>(26 05 36 00-1486)</small>		
26 05 36 00-1488	LF		6" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	33.65 3.11	11.54
26 05 36 00-1489	LF		12" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.80 3.91	14.20
26 05 36 00-1490	LF		18" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	56.36 5.05	20.41
26 05 36 00-1491	LF		24" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.12 5.87	23.37
26 05 36 00-1492	LF		30" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	78.14 7.00	28.25
26 05 36 00-1493	LF		36" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	98.34 9.36	32.39
26 05 36 00-1494			Solid Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-1486)</small>		
26 05 36 00-1495			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1496	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	354.96 28.58	148.05
26 05 36 00-1497	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	468.48 35.55	208.25
26 05 36 00-1498	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	576.72 42.70	262.83
26 05 36 00-1499	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	707.17 52.25	322.87
26 05 36 00-1500	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	824.97 61.39	374.20
26 05 36 00-1501	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	925.92 69.25	417.83
26 05 36 00-1502			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1503	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	410.74 35.92	154.12
26 05 36 00-1504	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	549.90 45.47	222.00



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1505	EA			18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	681.36 54.86	284.12
26 05 36 00-1506	EA			24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	834.19 65.97	354.96
26 05 36 00-1507	EA			30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	978.76 77.31	417.09
26 05 36 00-1508	EA			36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,106.79 87.18	473.00
26 05 36 00-1509				90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1510	EA			6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	493.58 47.20	161.06
26 05 36 00-1511	EA			12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	648.45 57.76	237.09
26 05 36 00-1512	EA			18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	824.70 72.21	308.97
26 05 36 00-1513	EA			24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	992.47 83.19	394.01
26 05 36 00-1514	EA			30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,191.25 99.85	473.00
26 05 36 00-1515	EA			36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,361.17 113.33	545.03
26 05 36 00-1516				45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1517	EA			6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	328.06 24.53	148.05
26 05 36 00-1518	EA			12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	438.16 31.01	208.25
26 05 36 00-1519	EA			18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	541.54 37.47	262.53
26 05 36 00-1520	EA			24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	664.14 45.88	322.42
26 05 36 00-1521	EA			30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	774.61 53.84	374.20
26 05 36 00-1522	EA			36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	867.22 60.58	417.09
26 05 36 00-1523				45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1524	EA			6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	372.47 30.16	154.26
26 05 36 00-1525	EA			12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	504.59 38.71	221.85
26 05 36 00-1526	EA			18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	629.99 47.09	284.42
26 05 36 00-1527	EA			24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	773.54 56.87	354.96
26 05 36 00-1528	EA			30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	909.14 66.74	417.83
26 05 36 00-1529	EA			36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,027.19 75.24	473.00
26 05 36 00-1530				45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1531	EA			6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	437.66 38.78	161.21
26 05 36 00-1532	EA			12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	548.35 46.42	214.90
26 05 36 00-1533	EA			18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	747.27 60.59	308.97
26 05 36 00-1534	EA			24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	909.71 70.66	394.76
26 05 36 00-1535	EA			30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,090.54 84.74	473.00
26 05 36 00-1536	EA			36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,250.23 96.46	546.50
26 05 36 00-1537				90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1538	EA			6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	378.14 32.12	147.61
26 05 36 00-1539	EA			12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	485.81 38.15	208.25
26 05 36 00-1540	EA			18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	578.88 43.02	262.83
26 05 36 00-1541	EA			24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	702.84 51.60	322.87
26 05 36 00-1542	EA			30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	798.98 57.49	374.20
26 05 36 00-1543	EA			36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	876.96 62.04	417.09

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1544			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1545	EA		6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	443.23	154.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.79	
26 05 36 00-1546	EA		12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	573.72	222.00
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.05	
26 05 36 00-1547	EA		18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	694.36	284.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	56.81	
26 05 36 00-1548	EA		24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	832.02	354.96
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.64	
26 05 36 00-1549	EA		30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	948.44	417.09
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	72.76	
26 05 36 00-1550	EA		36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	1,065.63	473.00
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	81.00	
26 05 36 00-1551			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1552	EA		6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	521.74	161.06
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.43	
26 05 36 00-1553	EA		12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	642.72	215.35
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	60.51	
26 05 36 00-1554	EA		18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	824.70	308.97
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	72.21	
26 05 36 00-1555	EA		24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	996.80	394.01
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	83.84	
26 05 36 00-1556	EA		30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,158.77	473.00
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	94.98	
26 05 36 00-1557	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,311.35	545.03
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	105.85	
26 05 36 00-1558			12" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1559	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	625.05	284.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.41	
26 05 36 00-1560	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	755.28	354.37
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.23	
26 05 36 00-1561	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	891.27	417.83
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	64.06	
26 05 36 00-1562	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,064.88	507.60
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	75.12	
26 05 36 00-1563	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,159.81	546.50
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	82.90	
26 05 36 00-1564	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,360.78	644.86
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	96.63	
26 05 36 00-1565			24" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1566	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	750.35	308.53
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.13	
26 05 36 00-1567	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	931.83	394.01
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	74.10	
26 05 36 00-1568	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,093.79	473.00
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	85.23	
26 05 36 00-1569	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,399.70	591.61
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	111.35	
26 05 36 00-1570	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,525.38	644.86
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	121.32	
26 05 36 00-1571	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,803.18	789.51
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	138.89	
26 05 36 00-1572			36" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1573	EA		6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	934.02	338.25
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	83.74	
26 05 36 00-1574	EA		12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,153.20	443.71
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	99.03	
26 05 36 00-1575	EA		18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,361.23	546.50
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	113.11	
26 05 36 00-1576	EA		24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,653.17	644.86
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	140.49	
26 05 36 00-1577	EA		30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,813.23	711.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	153.47	
26 05 36 00-1578	EA		36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	2,128.80	887.42
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	171.42	
26 05 36 00-1579			12" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1580	EA		6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	722.52	284.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.03	
26 05 36 00-1581	EA		12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	851.52	354.96
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	68.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1582 EA 18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	921.00 72.47	394.01
26 05 36 00-1583 EA 24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	985.26 78.29	417.09
26 05 36 00-1584 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,098.12 85.88	473.00
26 05 36 00-1585 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,231.28 93.62	546.50
26 05 36 00-1586 24" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1587 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	882.47 80.94	308.53
26 05 36 00-1588 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,042.29 90.67	394.01
26 05 36 00-1589 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,144.54 97.73	443.71
26 05 36 00-1590 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,212.91 103.10	473.00
26 05 36 00-1591 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,376.40 115.39	546.50
26 05 36 00-1592 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,562.20 126.84	644.86
26 05 36 00-1593 36" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1594 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,136.76 114.23	337.66
26 05 36 00-1595 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,324.31 124.69	443.71
26 05 36 00-1596 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,472.31 136.43	506.57
26 05 36 00-1597 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,560.50 143.00	546.50
26 05 36 00-1598 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,832.94 167.45	644.86
26 05 36 00-1599 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,982.71 179.27	708.75
26 05 36 00-1600 12" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1601 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	773.54 56.87	354.96
26 05 36 00-1602 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	893.44 64.38	417.83
26 05 36 00-1603 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,075.95 76.97	506.57
26 05 36 00-1604 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,245.93 88.29	591.61
26 05 36 00-1605 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,471.56 102.60	708.75
26 05 36 00-1606 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,634.25 113.55	789.51
26 05 36 00-1607 24" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1608 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	989.31 82.60	394.76
26 05 36 00-1609 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,158.77 94.98	473.00
26 05 36 00-1610 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,399.70 111.35	591.61
26 05 36 00-1611 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,715.76 138.85	711.12
26 05 36 00-1612 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,889.82 151.89	789.51
26 05 36 00-1613 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,085.48 164.92	887.42
26 05 36 00-1614 36" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1615 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,280.99 118.20	443.71
26 05 36 00-1616 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,506.35 134.88	546.50
26 05 36 00-1617 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,834.89 156.72	711.12
26 05 36 00-1618 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,084.75 181.13	789.51
26 05 36 00-1619 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,312.90 199.03	887.42
26 05 36 00-1620 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,576.40 217.62	1,012.99

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1621 Straight Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1622 EA 12"-6" Reducer, Solid Bottom, Steel Cable Tray.....	303.34	118.32
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	25.78	
26 05 36 00-1623 EA 18"-12" Reducer, Solid Bottom, Steel Cable Tray.....	331.17	133.70
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.39	
26 05 36 00-1624 EA 24"-18" Reducer, Solid Bottom, Steel Cable Tray.....	369.41	154.12
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.73	
26 05 36 00-1625 EA 30"-24" Reducer, Solid Bottom, Steel Cable Tray.....	417.10	177.48
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.98	
26 05 36 00-1626 EA 36"-30" Reducer, Solid Bottom, Steel Cable Tray.....	453.71	196.86
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.25	
26 05 36 00-1627 Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1628 EA 18"-6" Reducer, Solid Bottom, Steel Cable Tray.....	331.30	133.85
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.39	
26 05 36 00-1629 EA 24"-12" Reducer, Solid Bottom, Steel Cable Tray.....	367.78	154.41
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.44	
26 05 36 00-1630 EA 30"-12" Reducer, Solid Bottom, Steel Cable Tray.....	412.53	177.33
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.32	
26 05 36 00-1631 EA 30"-18" Reducer, Solid Bottom, Steel Cable Tray.....	414.46	177.19
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.64	
26 05 36 00-1632 EA 36"-12" Reducer, Solid Bottom, Steel Cable Tray.....	451.55	196.86
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.92	
26 05 36 00-1633 EA 36"-18" Reducer, Solid Bottom, Steel Cable Tray.....	453.71	196.86
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.25	
26 05 36 00-1634 EA 36"-24" Reducer, Solid Bottom, Steel Cable Tray.....	456.47	197.16
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.60	
26 05 36 00-1635 Dropout Or End Plate <small>(26 05 36 00-1494)</small>		
26 05 36 00-1636 EA 6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	96.04	44.37
26 05 36 00-1637 EA 12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	117.74	54.13
26 05 36 00-1638 EA 18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	136.54	64.19
26 05 36 00-1639 EA 24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	153.08	70.99
26 05 36 00-1640 EA 30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	170.34	78.83
26 05 36 00-1641 EA 36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	189.60	88.74
26 05 36 00-1642 Solid Bottom Aluminum Straight Cable Tray Sections <small>(26 05 36 00-1486)</small>		
26 05 36 00-1643 LF 6" Solid Bottom Aluminum Cable Tray, Straight Section.....	29.43	9.32
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2.86	
26 05 36 00-1644 LF 12" Solid Bottom Aluminum Cable Tray, Straight Section.....	36.36	10.94
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	3.64	
26 05 36 00-1645 LF 18" Solid Bottom Aluminum Cable Tray, Straight Section.....	46.62	14.20
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	4.61	
26 05 36 00-1646 LF 24" Solid Bottom Aluminum Cable Tray, Straight Section.....	54.86	15.68
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	5.63	
26 05 36 00-1647 LF 30" Solid Bottom Aluminum Cable Tray, Straight Section.....	67.74	20.27
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	6.79	
26 05 36 00-1648 LF 36" Solid Bottom Steel Aluminum Tray, Straight Section.....	79.75	22.19
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	8.26	
26 05 36 00-1649 Solid Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1486)</small>		
26 05 36 00-1650 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1651 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	358.21	148.05
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.06	
26 05 36 00-1652 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	436.20	186.36
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.36	
26 05 36 00-1653 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	501.21	208.69
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.40	
26 05 36 00-1654 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	584.60	245.07
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.83	
26 05 36 00-1655 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	688.42	284.42
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.86	
26 05 36 00-1656 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	778.74	322.87
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.99	
26 05 36 00-1657 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1658 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	415.56	154.12
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.64	
26 05 36 00-1659 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	517.20	197.45
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.68	
26 05 36 00-1660 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	584.13	221.85
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.64	
26 05 36 00-1661 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	703.01	262.83
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1662 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	816.80 71.17	308.08
26 05 36 00-1663 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	940.18 81.87	354.96
26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1665 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	503.61 48.71	161.06
26 05 36 00-1666 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	630.84 59.78	209.14
26 05 36 00-1667 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	729.67 69.95	237.09
26 05 36 00-1668 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	831.86 77.50	283.67
26 05 36 00-1669 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	969.73 89.09	338.25
26 05 36 00-1670 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,131.40 104.15	393.42
26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1672 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	333.84 25.39	148.05
26 05 36 00-1673 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	408.60 30.22	186.36
26 05 36 00-1674 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	467.15 35.32	208.55
26 05 36 00-1675 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	544.97 40.98	244.63
26 05 36 00-1676 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	641.26 48.78	284.42
26 05 36 00-1677 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	724.26 54.97	321.98
26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1679 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	380.85 31.41	154.26
26 05 36 00-1680 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	475.50 38.46	197.16
26 05 36 00-1681 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	537.71 43.61	222.30
26 05 36 00-1682 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	644.73 52.90	262.83
26 05 36 00-1683 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	751.52 61.23	308.97
26 05 36 00-1684 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	863.49 70.36	354.96
26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1686 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	452.24 40.96	161.21
26 05 36 00-1687 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	568.07 50.43	208.69
26 05 36 00-1688 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	656.05 58.90	237.09
26 05 36 00-1689 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	754.09 65.71	284.42
26 05 36 00-1690 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	880.39 75.69	338.25
26 05 36 00-1691 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,029.05 88.56	394.76
26 05 36 00-1692 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1693 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	378.48 32.17	147.61
26 05 36 00-1694 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	448.40 36.19	186.36
26 05 36 00-1695 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	502.95 40.66	208.69
26 05 36 00-1696 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	572.40 45.00	245.07
26 05 36 00-1697 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	648.33 49.84	284.42
26 05 36 00-1698 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	716.17 53.76	321.98
26 05 36 00-1699 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1700	EA		6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	445.19	154.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.08	
26 05 36 00-1701	EA		12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	532.88	197.45
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.04	
26 05 36 00-1702	EA		18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	589.36	221.85
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.43	
26 05 36 00-1703	EA		24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	676.87	262.83
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	57.72	
26 05 36 00-1704	EA		30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	766.26	308.08
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	63.58	
26 05 36 00-1705	EA		36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	870.46	354.96
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	71.41	
26 05 36 00-1706			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1707	EA		6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	515.81	161.06
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.54	
26 05 36 00-1708	EA		12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	627.35	209.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.25	
26 05 36 00-1709	EA		18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	698.29	237.09
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.24	
26 05 36 00-1710	EA		24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	788.29	283.67
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	70.96	
26 05 36 00-1711	EA		30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	912.22	338.25
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	80.47	
26 05 36 00-1712	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,018.11	393.42
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	87.16	
26 05 36 00-1713			12" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1714	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	645.98	284.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.55	
26 05 36 00-1715	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	745.80	321.98
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	58.20	
26 05 36 00-1716	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	826.89	354.96
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	64.87	
26 05 36 00-1717	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	921.10	394.76
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	72.37	
26 05 36 00-1718	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	1,091.65	473.00
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	84.91	
26 05 36 00-1719	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	1,334.59	591.61
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	101.59	
26 05 36 00-1720			24" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1721	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	798.35	308.53
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	68.33	
26 05 36 00-1722	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	912.29	354.96
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	77.68	
26 05 36 00-1723	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,019.27	394.01
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	87.21	
26 05 36 00-1724	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,232.82	473.00
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	106.08	
26 05 36 00-1725	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,491.44	591.61
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	125.11	
26 05 36 00-1726	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,644.43	646.78
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	138.86	
26 05 36 00-1727			36" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1728	EA		6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,025.50	338.25
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	97.46	
26 05 36 00-1729	EA		12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,162.18	394.01
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	108.65	
26 05 36 00-1730	EA		18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,323.37	443.71
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	124.55	
26 05 36 00-1731	EA		24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,588.21	545.03
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	147.38	
26 05 36 00-1732	EA		30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,934.54	711.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	171.67	
26 05 36 00-1733	EA		36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	2,152.42	789.51
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	191.28	
26 05 36 00-1734			12" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1735	EA		6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	719.18	284.12
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	60.53	
26 05 36 00-1736	EA		12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	788.41	322.42
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	64.52	
26 05 36 00-1737	EA		18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	824.23	337.66
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	67.35	
26 05 36 00-1738	EA		24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	869.52	354.37
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	71.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1739 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	960.01	394.01
For 4-5/8" Overall Height Instead Of 3-5/8", Add	78.33	
26 05 36 00-1740 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	1,109.08	473.00
For 4-5/8" Overall Height Instead Of 3-5/8", Add	87.52	
26 05 36 00-1741 24" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1742 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	876.78	308.53
For 4-5/8" Overall Height Instead Of 3-5/8", Add	80.09	
26 05 36 00-1743 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	975.03	354.96
For 4-5/8" Overall Height Instead Of 3-5/8", Add	87.09	
26 05 36 00-1744 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,032.06	373.46
For 4-5/8" Overall Height Instead Of 3-5/8", Add	92.56	
26 05 36 00-1745 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,101.18	394.01
For 4-5/8" Overall Height Instead Of 3-5/8", Add	99.50	
26 05 36 00-1746 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,227.52	443.71
For 4-5/8" Overall Height Instead Of 3-5/8", Add	110.18	
26 05 36 00-1747 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,422.64	545.03
For 4-5/8" Overall Height Instead Of 3-5/8", Add	122.55	
26 05 36 00-1748 36" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1749 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,129.22	337.66
For 4-5/8" Overall Height Instead Of 3-5/8", Add	113.10	
26 05 36 00-1750 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,241.27	389.29
For 4-5/8" Overall Height Instead Of 3-5/8", Add	121.32	
26 05 36 00-1751 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,322.45	417.09
For 4-5/8" Overall Height Instead Of 3-5/8", Add	128.86	
26 05 36 00-1752 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,384.37	443.71
For 4-5/8" Overall Height Instead Of 3-5/8", Add	133.70	
26 05 36 00-1753 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,541.34	506.57
For 4-5/8" Overall Height Instead Of 3-5/8", Add	146.78	
26 05 36 00-1754 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,151.56	644.86
For 4-5/8" Overall Height Instead Of 3-5/8", Add	65.25	
26 05 36 00-1755 12" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1756 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	757.04	322.42
For 4-5/8" Overall Height Instead Of 3-5/8", Add	59.81	
26 05 36 00-1757 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	839.09	354.96
For 4-5/8" Overall Height Instead Of 3-5/8", Add	66.70	
26 05 36 00-1758 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	977.37	417.09
For 4-5/8" Overall Height Instead Of 3-5/8", Add	77.10	
26 05 36 00-1759 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	1,164.88	506.57
For 4-5/8" Overall Height Instead Of 3-5/8", Add	90.31	
26 05 36 00-1760 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	1,271.01	545.03
For 4-5/8" Overall Height Instead Of 3-5/8", Add	99.80	
26 05 36 00-1761 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	1,478.86	646.78
For 4-5/8" Overall Height Instead Of 3-5/8", Add	114.03	
26 05 36 00-1762 24" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1763 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	975.98	355.56
For 4-5/8" Overall Height Instead Of 3-5/8", Add	87.14	
26 05 36 00-1764 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,101.18	394.01
For 4-5/8" Overall Height Instead Of 3-5/8", Add	99.50	
26 05 36 00-1765 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,271.17	473.00
For 4-5/8" Overall Height Instead Of 3-5/8", Add	111.84	
26 05 36 00-1766 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,572.51	593.23
For 4-5/8" Overall Height Instead Of 3-5/8", Add	137.01	
26 05 36 00-1767 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,722.86	646.78
For 4-5/8" Overall Height Instead Of 3-5/8", Add	150.63	
26 05 36 00-1768 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,986.85	789.51
For 4-5/8" Overall Height Instead Of 3-5/8", Add	166.44	
26 05 36 00-1769 36" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1770 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,310.32	394.01
For 4-5/8" Overall Height Instead Of 3-5/8", Add	130.87	
26 05 36 00-1771 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,445.37	443.71
For 4-5/8" Overall Height Instead Of 3-5/8", Add	142.85	
26 05 36 00-1772 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,695.01	546.50
For 4-5/8" Overall Height Instead Of 3-5/8", Add	163.18	
26 05 36 00-1773 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	2,039.11	711.12
For 4-5/8" Overall Height Instead Of 3-5/8", Add	187.35	
26 05 36 00-1774 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	2,239.57	789.51
For 4-5/8" Overall Height Instead Of 3-5/8", Add	204.35	
26 05 36 00-1775 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	2,559.59	887.42
For 4-5/8" Overall Height Instead Of 3-5/8", Add	236.04	
26 05 36 00-1776 Straight Reducers <small>(26 05 36 00-1649)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1777 EA 12"-6" Reducer, Solid Bottom, Aluminum Cable Tray.....	277.21	101.46
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.67	
26 05 36 00-1778 EA 18"-12" Reducer, Solid Bottom, Aluminum Cable Tray.....	308.43	118.17
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.58	
26 05 36 00-1779 EA 24"-18" Reducer, Solid Bottom, Aluminum Cable Tray.....	341.39	133.70
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.92	
26 05 36 00-1780 EA 30"-24" Reducer, Solid Bottom, Aluminum Cable Tray.....	386.11	154.26
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.20	
26 05 36 00-1781 EA 36"-30" Reducer, Solid Bottom, Aluminum Cable Tray.....	431.28	177.19
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.16	
26 05 36 00-1782 Reducers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1783 EA 18"-6" Reducer, Solid Bottom, Aluminum Cable Tray.....	306.80	118.17
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.32	
26 05 36 00-1784 EA 24"-12" Reducer, Solid Bottom, Aluminum Cable Tray.....	340.05	134.00
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.68	
26 05 36 00-1785 EA 30"-12" Reducer, Solid Bottom, Aluminum Cable Tray.....	382.44	154.12
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.67	
26 05 36 00-1786 EA 30"-18" Reducer, Solid Bottom, Aluminum Cable Tray.....	384.01	154.12
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.92	
26 05 36 00-1787 EA 36"-12" Reducer, Solid Bottom, Aluminum Cable Tray.....	431.28	177.19
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.16	
26 05 36 00-1788 EA 36"-18" Reducer, Solid Bottom, Aluminum Cable Tray.....	433.02	177.19
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.42	
26 05 36 00-1789 EA 36"-24" Reducer, Solid Bottom, Aluminum Cable Tray.....	436.98	177.48
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.97	
26 05 36 00-1790 Dropout Or End Plate <small>(26 05 36 00-1649)</small>		
26 05 36 00-1791 EA 6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	96.00	44.37
26 05 36 00-1792 EA 12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	115.15	54.13
26 05 36 00-1793 EA 18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	136.88	64.19
26 05 36 00-1794 EA 24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	151.17	70.99
26 05 36 00-1795 EA 30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	169.69	78.83
26 05 36 00-1796 EA 36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	192.35	88.74
26 05 36 00-1797 Vented Bottom Cable Tray <small>(26 05 36 00-0001)</small>		
Note: 6" Height.		
26 05 36 00-1798 Vented Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-1797)</small>		
26 05 36 00-1799 LF 6" Vented Bottom Steel Cable Tray, Straight Section.....	44.93	15.53
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.20	
26 05 36 00-1800 LF 12" Vented Bottom Steel Cable Tray, Straight Section.....	52.70	17.75
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.79	
26 05 36 00-1801 LF 18" Vented Bottom Steel Cable Tray, Straight Section.....	61.93	20.41
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.49	
26 05 36 00-1802 LF 24" Vented Bottom Steel Cable Tray, Straight Section.....	71.06	23.37
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-5.16	
26 05 36 00-1803 LF 30" Vented Bottom Steel Cable Tray, Straight Section.....	93.09	28.25
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-6.95	
26 05 36 00-1804 LF 36" Vented Bottom Steel Cable Tray, Straight Section.....	110.67	35.49
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-8.10	
26 05 36 00-1805 Vented Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-1797)</small>		
26 05 36 00-1806 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1807 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	428.50	186.95
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.28	
26 05 36 00-1808 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	560.48	252.92
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.97	
26 05 36 00-1809 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	697.08	322.42
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.84	
26 05 36 00-1810 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	854.75	394.76
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.58	
26 05 36 00-1811 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	964.06	444.60
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.36	
26 05 36 00-1812 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,104.18	507.60
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.11	
26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1814 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	501.14	197.01
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.70	
26 05 36 00-1815 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	654.37	273.17
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.67	
26 05 36 00-1816 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	832.17	354.96
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.64	
26 05 36 00-1817 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,010.69	443.71
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1818 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,076.68	458.35
For 4-5/8" Overall Height Instead Of 6", Deduct	-69.47	
26 05 36 00-1819 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,349.04	591.61
For 4-5/8" Overall Height Instead Of 6", Deduct	-85.60	
26 05 36 00-1820 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1821 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	605.24	208.25
For 4-5/8" Overall Height Instead Of 6", Deduct	-43.16	
26 05 36 00-1822 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	788.89	296.25
For 4-5/8" Overall Height Instead Of 6", Deduct	-54.21	
26 05 36 00-1823 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,012.20	394.76
For 4-5/8" Overall Height Instead Of 6", Deduct	-68.32	
26 05 36 00-1824 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,218.16	506.57
For 4-5/8" Overall Height Instead Of 6", Deduct	-79.61	
26 05 36 00-1825 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,405.90	591.61
For 4-5/8" Overall Height Instead Of 6", Deduct	-91.29	
26 05 36 00-1826 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,649.32	708.75
For 4-5/8" Overall Height Instead Of 6", Deduct	-105.87	
26 05 36 00-1827 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1828 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	403.02	187.10
For 4-5/8" Overall Height Instead Of 6", Deduct	-24.71	
26 05 36 00-1829 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	529.93	252.92
For 4-5/8" Overall Height Instead Of 6", Deduct	-31.91	
26 05 36 00-1830 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	661.18	321.98
For 4-5/8" Overall Height Instead Of 6", Deduct	-39.29	
26 05 36 00-1831 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	810.28	394.01
For 4-5/8" Overall Height Instead Of 6", Deduct	-48.19	
26 05 36 00-1832 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	914.99	444.60
For 4-5/8" Overall Height Instead Of 6", Deduct	-54.45	
26 05 36 00-1833 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,045.48	506.57
For 4-5/8" Overall Height Instead Of 6", Deduct	-62.34	
26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1835 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	463.44	197.16
For 4-5/8" Overall Height Instead Of 6", Deduct	-29.91	
26 05 36 00-1836 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	610.58	273.17
For 4-5/8" Overall Height Instead Of 6", Deduct	-38.29	
26 05 36 00-1837 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	780.19	355.56
For 4-5/8" Overall Height Instead Of 6", Deduct	-48.39	
26 05 36 00-1838 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	951.04	443.71
For 4-5/8" Overall Height Instead Of 6", Deduct	-58.13	
26 05 36 00-1839 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,090.05	507.60
For 4-5/8" Overall Height Instead Of 6", Deduct	-66.70	
26 05 36 00-1840 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,269.18	591.61
For 4-5/8" Overall Height Instead Of 6", Deduct	-77.62	
26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1842 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	549.12	208.69
For 4-5/8" Overall Height Instead Of 6", Deduct	-37.52	
26 05 36 00-1843 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	722.63	295.37
For 4-5/8" Overall Height Instead Of 6", Deduct	-47.65	
26 05 36 00-1844 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	934.26	394.76
For 4-5/8" Overall Height Instead Of 6", Deduct	-60.53	
26 05 36 00-1845 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,137.82	507.60
For 4-5/8" Overall Height Instead Of 6", Deduct	-71.48	
26 05 36 00-1846 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,313.53	591.61
For 4-5/8" Overall Height Instead Of 6", Deduct	-82.05	
26 05 36 00-1847 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,550.15	711.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-95.76	
26 05 36 00-1848 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1849 EA 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	461.61	186.36
For 4-5/8" Overall Height Instead Of 6", Deduct	-30.63	
26 05 36 00-1850 EA 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	590.00	252.92
For 4-5/8" Overall Height Instead Of 6", Deduct	-37.92	
26 05 36 00-1851 EA 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	708.02	322.42
For 4-5/8" Overall Height Instead Of 6", Deduct	-43.93	
26 05 36 00-1852 EA 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	852.56	394.76
For 4-5/8" Overall Height Instead Of 6", Deduct	-52.36	
26 05 36 00-1853 EA 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	940.01	444.60
For 4-5/8" Overall Height Instead Of 6", Deduct	-56.95	
26 05 36 00-1854 EA 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	1,054.14	506.57
For 4-5/8" Overall Height Instead Of 6", Deduct	-63.20	
26 05 36 00-1855 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		

26 Electrical
26 05 Common Work Results for Electrical
26 05 36 Cable Trays for Electrical Systems



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1856	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	544.88 -38.07	197.01
26 05 36 00-1857	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	684.98 -45.73	273.17
26 05 36 00-1858	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	845.29 -54.95	354.96
26 05 36 00-1859	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,001.95 -63.22	443.71
26 05 36 00-1860	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,139.43 -71.73	506.57
26 05 36 00-1861	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,294.37 -80.14	591.61
26 05 36 00-1862		90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1863	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	640.23 -46.66	208.25
26 05 36 00-1864	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	804.20 -55.74	296.25
26 05 36 00-1865	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,003.46 -67.45	394.76
26 05 36 00-1866	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,213.78 -79.17	506.57
26 05 36 00-1867	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,364.35 -87.13	591.61
26 05 36 00-1868	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,601.21 -101.05	708.75
26 05 36 00-1869		12" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1870	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	768.75 -47.29	354.96
26 05 36 00-1871	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	934.86 -56.58	442.82
26 05 36 00-1872	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,069.19 -64.61	507.60
26 05 36 00-1873	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,244.07 -75.11	591.61
26 05 36 00-1874	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,370.11 -83.27	644.86
26 05 36 00-1875	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,504.99 -91.43	708.75
26 05 36 00-1876		24" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1877	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	949.80 -62.14	394.01
26 05 36 00-1878	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,163.48 -74.14	506.57
26 05 36 00-1879	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,342.48 -84.95	591.61
26 05 36 00-1880	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,644.95 -105.43	708.75
26 05 36 00-1881	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,818.84 -116.09	789.51
26 05 36 00-1882	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,034.50 -129.50	887.42
26 05 36 00-1883		36" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1884	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,159.40 -78.96	443.71
26 05 36 00-1885	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,464.95 -97.19	591.61
26 05 36 00-1886	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,707.78 -111.52	711.12
26 05 36 00-1887	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,108.85 -136.93	887.42
26 05 36 00-1888	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,363.13 -151.51	1,017.72
26 05 36 00-1889	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,754.07 -177.07	1,180.12
26 05 36 00-1890		12" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1891	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	886.84 -59.10	354.96
26 05 36 00-1892	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,039.12 -66.94	443.71
26 05 36 00-1893	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,094.56 -70.04	473.00
26 05 36 00-1894	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,167.86 -74.58	506.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1895 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,254.07	546.50
For 4-5/8" Overall Height Instead Of 6", Deduct	-79.87	
26 05 36 00-1896 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,424.78	644.86
For 4-5/8" Overall Height Instead Of 6", Deduct	-88.73	
26 05 36 00-1897 24" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1898 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,052.59	394.01
For 4-5/8" Overall Height Instead Of 6", Deduct	-72.42	
26 05 36 00-1899 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,259.71	506.57
For 4-5/8" Overall Height Instead Of 6", Deduct	-83.76	
26 05 36 00-1900 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,345.92	546.50
For 4-5/8" Overall Height Instead Of 6", Deduct	-89.06	
26 05 36 00-1901 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,454.01	591.61
For 4-5/8" Overall Height Instead Of 6", Deduct	-96.10	
26 05 36 00-1902 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,566.93	644.86
For 4-5/8" Overall Height Instead Of 6", Deduct	-102.95	
26 05 36 00-1903 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,849.46	789.51
For 4-5/8" Overall Height Instead Of 6", Deduct	-119.15	
26 05 36 00-1904 36" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1905 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,367.86	442.82
For 4-5/8" Overall Height Instead Of 6", Deduct	-99.88	
26 05 36 00-1906 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,631.15	591.61
For 4-5/8" Overall Height Instead Of 6", Deduct	-113.81	
26 05 36 00-1907 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,741.88	644.86
For 4-5/8" Overall Height Instead Of 6", Deduct	-120.44	
26 05 36 00-1908 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,895.86	711.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-130.33	
26 05 36 00-1909 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,135.94	789.51
For 4-5/8" Overall Height Instead Of 6", Deduct	-147.80	
26 05 36 00-1910 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,519.40	1,012.99
For 4-5/8" Overall Height Instead Of 6", Deduct	-167.52	
26 05 36 00-1911 12" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1912 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	966.96	443.71
For 4-5/8" Overall Height Instead Of 6", Deduct	-59.72	
26 05 36 00-1913 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,075.75	507.60
For 4-5/8" Overall Height Instead Of 6", Deduct	-65.27	
26 05 36 00-1914 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,241.88	591.61
For 4-5/8" Overall Height Instead Of 6", Deduct	-74.89	
26 05 36 00-1915 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,450.32	708.75
For 4-5/8" Overall Height Instead Of 6", Deduct	-85.97	
26 05 36 00-1916 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,612.99	786.70
For 4-5/8" Overall Height Instead Of 6", Deduct	-95.74	
26 05 36 00-1917 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,818.00	887.42
For 4-5/8" Overall Height Instead Of 6", Deduct	-107.85	
26 05 36 00-1918 24" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1919 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,202.59	507.60
For 4-5/8" Overall Height Instead Of 6", Deduct	-77.95	
26 05 36 00-1920 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,359.98	591.61
For 4-5/8" Overall Height Instead Of 6", Deduct	-86.70	
26 05 36 00-1921 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,592.46	708.75
For 4-5/8" Overall Height Instead Of 6", Deduct	-100.18	
26 05 36 00-1922 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,001.69	887.42
For 4-5/8" Overall Height Instead Of 6", Deduct	-126.22	
26 05 36 00-1923 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,265.73	1,012.99
For 4-5/8" Overall Height Instead Of 6", Deduct	-142.15	
26 05 36 00-1924 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,579.12	1,180.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-159.57	
26 05 36 00-1925 36" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1926 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,587.41	591.61
For 4-5/8" Overall Height Instead Of 6", Deduct	-109.44	
26 05 36 00-1927 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,817.13	711.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-122.46	
26 05 36 00-1928 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,124.16	887.42
For 4-5/8" Overall Height Instead Of 6", Deduct	-138.46	
26 05 36 00-1929 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,753.65	1,186.33
For 4-5/8" Overall Height Instead Of 6", Deduct	-176.50	
26 05 36 00-1930 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	3,223.12	1,422.09
For 4-5/8" Overall Height Instead Of 6", Deduct	-203.80	
26 05 36 00-1931 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	3,876.55	1,774.84
For 4-5/8" Overall Height Instead Of 6", Deduct	-239.75	
26 05 36 00-1932 Straight Reducers <small>(26 05 36 00-1805)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1933	EA		12"-6" Reducer, Vented Bottom, Steel Cable Tray	362.32	151.15
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.64	
26 05 36 00-1934	EA		18"-12" Reducer, Vented Bottom, Steel Cable Tray	396.21	168.91
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.55	
26 05 36 00-1935	EA		24"-18" Reducer, Vented Bottom, Steel Cable Tray	450.56	196.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.65	
26 05 36 00-1936	EA		30"-24" Reducer, Vented Bottom, Steel Cable Tray	496.60	221.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.17	
26 05 36 00-1937	EA		36"-30" Reducer, Vented Bottom, Steel Cable Tray	542.81	244.33
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.92	
26 05 36 00-1938			Reducers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1939	EA		18"-6" Reducer, Vented Bottom, Steel Cable Tray	396.21	168.91
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.55	
26 05 36 00-1940	EA		24"-12" Reducer, Vented Bottom, Steel Cable Tray	448.96	197.16
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.46	
26 05 36 00-1941	EA		30"-12" Reducer, Vented Bottom, Steel Cable Tray	494.04	221.56
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.93	
26 05 36 00-1942	EA		30"-18" Reducer, Vented Bottom, Steel Cable Tray	495.86	221.41
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.14	
26 05 36 00-1943	EA		36"-12" Reducer, Vented Bottom, Steel Cable Tray	540.62	244.33
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.70	
26 05 36 00-1944	EA		36"-18" Reducer, Vented Bottom, Steel Cable Tray	542.81	244.33
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.92	
26 05 36 00-1945	EA		36"-24" Reducer, Vented Bottom, Steel Cable Tray	545.89	244.92
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.18	
26 05 36 00-1946			Dropout Or End Plate <small>(26 05 36 00-1805)</small>		
26 05 36 00-1947	EA		6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	117.31	54.58
26 05 36 00-1948	EA		12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	138.91	64.05
26 05 36 00-1949	EA		18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	153.15	70.70
26 05 36 00-1950	EA		24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	172.06	78.83
26 05 36 00-1951	EA		30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	191.25	88.59
26 05 36 00-1952	EA		36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	224.69	105.90
26 05 36 00-1953			Vented Bottom Aluminum Cable Tray <small>(26 05 36 00-1797)</small>		
26 05 36 00-1954	LF		6" Vented Bottom Aluminum Cable Tray, Straight Section	39.01	11.54
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.93	
26 05 36 00-1955	LF		9" Vented Bottom Aluminum Cable Tray, Straight Section	43.19	12.72
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.26	
26 05 36 00-1956	LF		12" Vented Bottom Aluminum Cable Tray, Straight Section	48.32	14.20
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.65	
26 05 36 00-1957	LF		18" Vented Bottom Aluminum Cable Tray, Straight Section	56.04	15.83
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.28	
26 05 36 00-1958	LF		24" Vented Bottom Aluminum Cable Tray, Straight Section	64.04	17.60
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.94	
26 05 36 00-1959	LF		30" Vented Bottom Aluminum Cable Tray, Straight Section	80.54	20.27
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-6.37	
26 05 36 00-1960	LF		36" Vented Bottom Aluminum Cable Tray, Straight Section	90.11	23.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-7.03	
26 05 36 00-1961			Vented Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1797)</small>		
26 05 36 00-1962			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1963	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	479.26	186.95
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.35	
26 05 36 00-1964	EA		9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	520.64	202.93
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.15	
26 05 36 00-1965	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	575.31	228.51
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.49	
26 05 36 00-1966	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	648.20	253.21
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.72	
26 05 36 00-1967	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	777.56	308.97
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.01	
26 05 36 00-1968	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	915.93	355.56
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-61.97	
26 05 36 00-1969	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,010.47	394.76
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.15	
26 05 36 00-1970			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1971	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	571.51	197.01
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.73	
26 05 36 00-1972	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	692.59	244.92
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.85	
26 05 36 00-1973	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	783.59	273.17
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.59	
26 05 36 00-1974	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	937.23	337.66
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1975 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,083.52	393.42
For 4-5/8" Overall Height Instead Of 6", Deduct	-75.57	
26 05 36 00-1976 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,201.47	443.71
For 4-5/8" Overall Height Instead Of 6", Deduct	-83.17	
26 05 36 00-1977 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1978 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	690.01	208.25
For 4-5/8" Overall Height Instead Of 6", Deduct	-51.64	
26 05 36 00-1979 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	830.07	263.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-61.08	
26 05 36 00-1980 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	938.60	296.25
For 4-5/8" Overall Height Instead Of 6", Deduct	-69.18	
26 05 36 00-1981 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,108.76	373.46
For 4-5/8" Overall Height Instead Of 6", Deduct	-79.75	
26 05 36 00-1982 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,174.55	361.92
For 4-5/8" Overall Height Instead Of 6", Deduct	-87.30	
26 05 36 00-1983 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,464.19	506.57
For 4-5/8" Overall Height Instead Of 6", Deduct	-104.21	
26 05 36 00-1984 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1985 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	442.61	187.10
For 4-5/8" Overall Height Instead Of 6", Deduct	-28.67	
26 05 36 00-1986 EA 9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	480.83	203.22
For 4-5/8" Overall Height Instead Of 6", Deduct	-31.15	
26 05 36 00-1987 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	532.52	228.51
For 4-5/8" Overall Height Instead Of 6", Deduct	-34.21	
26 05 36 00-1988 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	597.98	252.92
For 4-5/8" Overall Height Instead Of 6", Deduct	-38.72	
26 05 36 00-1989 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	719.09	308.53
For 4-5/8" Overall Height Instead Of 6", Deduct	-46.20	
26 05 36 00-1990 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	844.79	355.56
For 4-5/8" Overall Height Instead Of 6", Deduct	-54.85	
26 05 36 00-1991 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	931.74	394.01
For 4-5/8" Overall Height Instead Of 6", Deduct	-60.34	
26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1993 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	518.32	197.16
For 4-5/8" Overall Height Instead Of 6", Deduct	-35.40	
26 05 36 00-1994 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	630.00	244.92
For 4-5/8" Overall Height Instead Of 6", Deduct	-42.59	
26 05 36 00-1995 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	711.95	273.63
For 4-5/8" Overall Height Instead Of 6", Deduct	-48.40	
26 05 36 00-1996 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	855.70	338.25
For 4-5/8" Overall Height Instead Of 6", Deduct	-57.39	
26 05 36 00-1997 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	991.70	394.76
For 4-5/8" Overall Height Instead Of 6", Deduct	-66.27	
26 05 36 00-1998 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,099.84	443.71
For 4-5/8" Overall Height Instead Of 6", Deduct	-73.01	
26 05 36 00-1999 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-2000 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	615.24	208.69
For 4-5/8" Overall Height Instead Of 6", Deduct	-44.13	
26 05 36 00-2001 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	742.91	262.53
For 4-5/8" Overall Height Instead Of 6", Deduct	-52.41	
26 05 36 00-2002 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	840.71	296.25
For 4-5/8" Overall Height Instead Of 6", Deduct	-59.39	
26 05 36 00-2003 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,002.83	374.20
For 4-5/8" Overall Height Instead Of 6", Deduct	-69.11	
26 05 36 00-2004 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,142.00	417.83
For 4-5/8" Overall Height Instead Of 6", Deduct	-79.38	
26 05 36 00-2005 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,329.72	507.60
For 4-5/8" Overall Height Instead Of 6", Deduct	-90.67	
26 05 36 00-2006 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2007 EA 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	514.95	186.36
For 4-5/8" Overall Height Instead Of 6", Deduct	-35.96	
26 05 36 00-2008 EA 9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	553.76	202.48
For 4-5/8" Overall Height Instead Of 6", Deduct	-38.51	
26 05 36 00-2009 EA 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	599.62	228.51
For 4-5/8" Overall Height Instead Of 6", Deduct	-40.92	
26 05 36 00-2010 EA 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	648.20	253.21
For 4-5/8" Overall Height Instead Of 6", Deduct	-43.72	
26 05 36 00-2011 EA 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	765.41	308.97
For 4-5/8" Overall Height Instead Of 6", Deduct	-50.79	
26 05 36 00-2012 EA 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	855.14	355.56
For 4-5/8" Overall Height Instead Of 6", Deduct	-55.89	
26 05 36 00-2013 EA 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	921.78	394.01
For 4-5/8" Overall Height Instead Of 6", Deduct	-59.34	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2014			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2015	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....603.12	603.12	197.01
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.89	
26 05 36 00-2016	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....707.17	707.17	244.92
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.31	
26 05 36 00-2017	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....781.16	781.16	273.17
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.35	
26 05 36 00-2018	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....894.31	894.31	338.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-61.25	
26 05 36 00-2019	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....1,004.44	1,004.44	394.01
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.61	
26 05 36 00-2020	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....1,104.22	1,104.22	443.71
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.45	
26 05 36 00-2021			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2022	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....687.58	687.58	208.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.40	
26 05 36 00-2023	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....803.32	803.32	263.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.40	
26 05 36 00-2024	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....902.13	902.13	296.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.53	
26 05 36 00-2025	EA		24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....1,064.99	1,064.99	373.46
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-75.37	
26 05 36 00-2026	EA		30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....1,182.61	1,182.61	417.83
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-83.44	
26 05 36 00-2027	EA		36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....1,345.06	1,345.06	506.57
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-92.30	
26 05 36 00-2028			12" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2029	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....846.90	846.90	354.96
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.11	
26 05 36 00-2030	EA		9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....885.07	885.07	373.46
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.38	
26 05 36 00-2031	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....940.07	940.07	393.42
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-61.23	
26 05 36 00-2032	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....1,071.66	1,071.66	444.60
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-70.12	
26 05 36 00-2033	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....1,223.49	1,223.49	506.57
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-80.14	
26 05 36 00-2034	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....1,392.05	1,392.05	591.61
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-89.90	
26 05 36 00-2035	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....1,536.83	1,536.83	644.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-99.94	
26 05 36 00-2036			24" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2037	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray .....1,045.77	1,045.77	394.01
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-71.74	
26 05 36 00-2038	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray .....1,180.54	1,180.54	442.82
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-81.15	
26 05 36 00-2039	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray .....1,330.47	1,330.47	506.57
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-90.84	
26 05 36 00-2040	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray .....1,591.24	1,591.24	589.99
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-109.95	
26 05 36 00-2041	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray .....1,841.58	1,841.58	711.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-124.90	
26 05 36 00-2042	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray .....2,081.73	2,081.73	789.51
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-142.38	
26 05 36 00-2043			36" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2044	EA		6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray .....1,364.37	1,364.37	443.71
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-99.46	
26 05 36 00-2045	EA		12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray .....1,561.45	1,561.45	506.57
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-113.94	
26 05 36 00-2046	EA		18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray .....1,638.01	1,638.01	494.15
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-122.63	
26 05 36 00-2047	EA		24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray .....2,129.55	2,129.55	708.75
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-153.89	
26 05 36 00-2048	EA		30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray .....2,493.98	2,493.98	890.96
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-175.15	
26 05 36 00-2049	EA		36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray .....2,855.43	2,855.43	1,012.99
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-201.12	
26 05 36 00-2050			12" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2051	EA		6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....941.72	941.72	354.96
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2052 EA 9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	975.03	373.46
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-66.38	
26 05 36 00-2053 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,036.05	394.01
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-70.77	
26 05 36 00-2054 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,078.06	417.83
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-72.99	
26 05 36 00-2055 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,129.49	442.82
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.05	
26 05 36 00-2056 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,196.87	473.00
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-80.27	
26 05 36 00-2057 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,333.98	545.03
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-87.97	
26 05 36 00-2058 24" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2059 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,152.75	394.01
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-82.44	
26 05 36 00-2060 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,272.93	442.82
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-90.39	
26 05 36 00-2061 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,359.76	473.00
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-96.56	
26 05 36 00-2062 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,452.04	506.57
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-102.99	
26 05 36 00-2063 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,564.96	545.03
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-111.07	
26 05 36 00-2064 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,746.63	646.78
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-120.76	
26 05 36 00-2065 36" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2066 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,503.91	442.82
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-113.49	
26 05 36 00-2067 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,658.70	506.57
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-123.66	
26 05 36 00-2068 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,747.31	545.03
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-129.31	
26 05 36 00-2069 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,888.26	593.23
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-139.39	
26 05 36 00-2070 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,050.55	646.78
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-151.15	
26 05 36 00-2071 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,332.36	786.70
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-167.68	
26 05 36 00-2072 12" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2073 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	975.27	394.01
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.69	
26 05 36 00-2074 EA 9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,036.73	417.83
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.86	
26 05 36 00-2075 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,091.11	444.60
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-72.06	
26 05 36 00-2076 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,211.33	506.57
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-78.92	
26 05 36 00-2077 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,391.87	589.99
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-90.02	
26 05 36 00-2078 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,567.75	643.08
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-103.19	
26 05 36 00-2079 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,913.97	789.51
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-125.60	
26 05 36 00-2080 24" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2081 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,312.36	444.60
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-94.19	
26 05 36 00-2082 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,469.05	506.57
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-104.70	
26 05 36 00-2083 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,656.88	589.99
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-116.52	
26 05 36 00-2084 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,959.36	708.75
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-136.87	
26 05 36 00-2085 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,150.01	786.70
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-149.44	
26 05 36 00-2086 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,636.61	1,012.99
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-179.24	
26 05 36 00-2087 36" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2088 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,780.27	506.57
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-135.82	
26 05 36 00-2089 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,985.51	593.23
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-149.12	
26 05 36 00-2090 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,263.28	708.75
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-167.26	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2091 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,737.11 -199.46	890.96
26 05 36 00-2092 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	3,057.68 -220.96	1,017.72
26 05 36 00-2093 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	3,547.16 -256.38	1,180.12
26 05 36 00-2094 Straight Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2095 EA 9"-6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	352.92 -25.43	118.32
26 05 36 00-2096 EA 12"-9" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	370.63 -26.68	124.69
26 05 36 00-2097 EA 18"-12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	421.40 -29.82	147.76
26 05 36 00-2098 EA 24"-18" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	468.40 -32.78	168.76
26 05 36 00-2099 EA 30"-24" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	520.76 -35.64	197.16
26 05 36 00-2100 EA 36"-30" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	568.39 -38.39	221.41
26 05 36 00-2101 Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2102 EA 12"-6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	370.28 -26.66	124.39
26 05 36 00-2103 EA 18"-6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	421.24 -29.82	147.76
26 05 36 00-2104 EA 18"-9" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	421.24 -29.82	147.76
26 05 36 00-2105 EA 24"-6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	468.61 -32.79	168.91
26 05 36 00-2106 EA 24"-9" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	468.61 -32.79	168.91
26 05 36 00-2107 EA 24"-12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	469.04 -32.81	169.06
26 05 36 00-2108 EA 30"-12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	525.32 -36.11	197.01
26 05 36 00-2109 EA 30"-18" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	520.17 -35.61	196.86
26 05 36 00-2110 EA 36"-12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	568.39 -38.39	221.41
26 05 36 00-2111 EA 36"-18" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	568.39 -38.39	221.41
26 05 36 00-2112 EA 36"-24" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	569.13 -38.43	221.85
26 05 36 00-2113 Dropout Or End Plate <small>(26 05 36 00-1961)</small>		
26 05 36 00-2114 EA 6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	122.81	54.58
26 05 36 00-2115 EA 9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	134.01	59.61
26 05 36 00-2116 EA 12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	144.34	64.05
26 05 36 00-2117 EA 18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	163.17	70.70
26 05 36 00-2118 EA 24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	186.20	78.83
26 05 36 00-2119 EA 30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	206.08	88.59
26 05 36 00-2120 EA 36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	235.93	101.46
26 05 36 00-2121 Cable Tray Covers And Dividers <small>(26 05 36 00-0001)</small>		
26 05 36 00-2122 Galvanized Steel Covers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2123 Ventilated Straight Sections <small>(26 05 36 00-2122)</small>		
26 05 36 00-2124 LF 6" Steel Cable Tray Cover, Straight Section	11.40	2.66
26 05 36 00-2125 LF 9" Steel Cable Tray Cover, Straight Section	13.71	3.11
26 05 36 00-2126 LF 12" Steel Cable Tray Cover, Straight Section	16.07	3.55
26 05 36 00-2127 LF 18" Steel Cable Tray Cover, Straight Section	21.77	4.73
26 05 36 00-2128 LF 24" Steel Cable Tray Cover, Straight Section	27.73	6.36
26 05 36 00-2129 LF 30" Steel Cable Tray Cover, Straight Section	33.67	7.83
26 05 36 00-2130 LF 36" Steel Cable Tray Cover, Straight Section	171.71	88.89
26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2132 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	67.23	9.47
26 05 36 00-2133 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	75.34	11.09
26 05 36 00-2134 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	81.98	13.16
26 05 36 00-2135 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	111.18	16.86
26 05 36 00-2136 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	136.42	21.45
26 05 36 00-2137 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	164.22	23.81
26 05 36 00-2138 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	198.28	28.40



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2139				90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
			EA	6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	102.73	10.50
			EA	9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	107.89	12.27
			EA	12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	122.03	14.79
			EA	18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	151.49	18.78
			EA	24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	186.01	23.66
			EA	30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	237.92	27.21
			EA	36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	276.90	32.24
26 05 36 00-2147				90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
			EA	6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	144.28	11.83
			EA	9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	160.55	13.60
			EA	12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	174.66	16.86
			EA	18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	220.94	19.68
			EA	24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	268.56	27.36
			EA	30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	316.08	30.92
			EA	36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	369.61	35.49
26 05 36 00-2155				45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
			EA	6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	52.37	9.47
				<i>For 60 Degree Bend, Deduct</i>	-13.64	
				<i>For 30 Degree Bend, Deduct</i>	-23.26	
			EA	9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	62.22	11.09
				<i>For 60 Degree Bend, Deduct</i>	-16.28	
				<i>For 30 Degree Bend, Deduct</i>	-27.75	
			EA	12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	69.95	13.16
				<i>For 60 Degree Bend, Deduct</i>	-18.06	
				<i>For 30 Degree Bend, Deduct</i>	-30.83	
			EA	18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	84.81	16.12
				<i>For 60 Degree Bend, Deduct</i>	-21.81	
				<i>For 30 Degree Bend, Deduct</i>	-37.24	
			EA	24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	98.98	18.63
				<i>For 60 Degree Bend, Deduct</i>	-25.49	
				<i>For 30 Degree Bend, Deduct</i>	-43.52	
			EA	30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	115.68	21.45
				<i>For 60 Degree Bend, Deduct</i>	-29.93	
				<i>For 30 Degree Bend, Deduct</i>	-51.07	
			EA	36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	129.11	23.66
				<i>For 60 Degree Bend, Deduct</i>	-33.53	
				<i>For 30 Degree Bend, Deduct</i>	-57.20	
26 05 36 00-2163				45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
			EA	6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	71.03	10.50
				<i>For 60 Degree Bend, Deduct</i>	-19.43	
				<i>For 30 Degree Bend, Deduct</i>	-32.96	
			EA	9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	80.55	12.27
				<i>For 60 Degree Bend, Deduct</i>	-21.89	
				<i>For 30 Degree Bend, Deduct</i>	-37.16	
			EA	12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	92.50	14.79
				<i>For 60 Degree Bend, Deduct</i>	-24.84	
				<i>For 30 Degree Bend, Deduct</i>	-42.23	
			EA	18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	107.25	17.75
				<i>For 60 Degree Bend, Deduct</i>	-28.58	
				<i>For 30 Degree Bend, Deduct</i>	-48.62	
			EA	24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	123.53	20.27
				<i>For 60 Degree Bend, Deduct</i>	-32.97	
				<i>For 30 Degree Bend, Deduct</i>	-56.09	
			EA	30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	153.26	23.66
				<i>For 60 Degree Bend, Deduct</i>	-41.48	
				<i>For 30 Degree Bend, Deduct</i>	-70.45	
			EA	36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	170.20	27.36
				<i>For 60 Degree Bend, Deduct</i>	-45.69	
				<i>For 30 Degree Bend, Deduct</i>	-77.67	
26 05 36 00-2171				45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
			EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	97.30	11.83
				<i>For 60 Degree Bend, Deduct</i>	-27.58	
				<i>For 30 Degree Bend, Deduct</i>	-46.63	
			EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	110.26	13.60
				<i>For 60 Degree Bend, Deduct</i>	-31.15	
				<i>For 30 Degree Bend, Deduct</i>	-52.67	
			EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	124.29	16.86
				<i>For 60 Degree Bend, Deduct</i>	-34.56	
				<i>For 30 Degree Bend, Deduct</i>	-58.54	
			EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	141.68	18.78
				<i>For 60 Degree Bend, Deduct</i>	-39.57	
				<i>For 30 Degree Bend, Deduct</i>	-66.99	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2176	EA		24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	172.70	22.92
			<i>For 60 Degree Bend, Deduct</i>	-48.20	
			<i>For 30 Degree Bend, Deduct</i>	-81.61	
26 05 36 00-2177	EA		30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	192.07	27.36
			<i>For 60 Degree Bend, Deduct</i>	-52.91	
			<i>For 30 Degree Bend, Deduct</i>	-89.70	
26 05 36 00-2178	EA		36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	226.47	29.58
			<i>For 60 Degree Bend, Deduct</i>	-63.39	
			<i>For 30 Degree Bend, Deduct</i>	-107.29	
26 05 36 00-2179			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2180	EA		6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	58.66	9.47
26 05 36 00-2181	EA		9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	62.22	11.09
26 05 36 00-2182	EA		12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	68.86	13.16
26 05 36 00-2183	EA		18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	80.48	16.12
26 05 36 00-2184	EA		24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	89.46	20.86
26 05 36 00-2185	EA		30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	99.71	23.81
26 05 36 00-2186	EA		36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	124.91	28.40
26 05 36 00-2187			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2188	EA		6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	69.93	10.50
26 05 36 00-2189	EA		9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	78.36	12.27
26 05 36 00-2190	EA		12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	84.85	14.79
26 05 36 00-2191	EA		18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	109.40	17.75
26 05 36 00-2192	EA		24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	127.82	22.92
26 05 36 00-2193	EA		30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	147.19	27.36
26 05 36 00-2194	EA		36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	169.74	32.24
26 05 36 00-2195			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2196	EA		6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	80.86	11.83
26 05 36 00-2197	EA		9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	100.41	13.60
26 05 36 00-2198	EA		12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	115.62	16.86
26 05 36 00-2199	EA		18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	141.68	18.78
26 05 36 00-2200	EA		24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	166.20	26.18
26 05 36 00-2201	EA		30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	197.99	30.92
26 05 36 00-2202	EA		36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	231.83	35.49
26 05 36 00-2203			12" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2204	EA		6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	103.37	15.38
26 05 36 00-2205	EA		9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	109.40	17.75
26 05 36 00-2206	EA		12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	124.34	20.86
26 05 36 00-2207	EA		18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	148.88	23.66
26 05 36 00-2208	EA		24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	183.32	27.36
26 05 36 00-2209	EA		30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	227.45	39.34
26 05 36 00-2210	EA		36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	273.33	47.19
26 05 36 00-2211			24" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2212	EA		6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	149.37	16.12
26 05 36 00-2213	EA		9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	171.19	18.78
26 05 36 00-2214	EA		12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	181.27	22.19
26 05 36 00-2215	EA		18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	228.18	25.44
26 05 36 00-2216	EA		24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	333.47	29.58
26 05 36 00-2217	EA		30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	397.67	44.37
26 05 36 00-2218	EA		36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	447.42	54.58
26 05 36 00-2219			36" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2220	EA		6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	248.97	16.86
26 05 36 00-2221	EA		9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	258.09	19.68
26 05 36 00-2222	EA		12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	288.79	23.66
26 05 36 00-2223	EA		18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	338.66	27.36
26 05 36 00-2224	EA		24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	438.73	32.24
26 05 36 00-2225	EA		30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	502.42	50.88
26 05 36 00-2226	EA		36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	581.78	64.34
26 05 36 00-2227			12" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2228	EA		6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	150.66	20.86
26 05 36 00-2229	EA		9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	159.45	22.19
26 05 36 00-2230	EA		12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	176.22	23.66
26 05 36 00-2231	EA		18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	207.38	27.36
26 05 36 00-2232	EA		24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	262.38	39.34
26 05 36 00-2233	EA		30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	303.87	47.19
26 05 36 00-2234	EA		36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	346.89	50.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2235	24" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>	
26 05 36 00-2236 EA 6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	257.89	22.19
26 05 36 00-2237 EA 9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	280.05	23.66
26 05 36 00-2238 EA 12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	300.35	25.44
26 05 36 00-2239 EA 18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	357.53	29.58
26 05 36 00-2240 EA 24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	450.09	44.37
26 05 36 00-2241 EA 30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	515.09	54.58
26 05 36 00-2242 EA 36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	575.13	59.02
26 05 36 00-2243	36" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>	
26 05 36 00-2244 EA 6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	409.07	23.66
26 05 36 00-2245 EA 9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	425.00	25.44
26 05 36 00-2246 EA 12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	448.01	27.36
26 05 36 00-2247 EA 18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	517.46	32.24
26 05 36 00-2248 EA 24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	675.13	50.73
26 05 36 00-2249 EA 30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	741.91	64.64
26 05 36 00-2250 EA 36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	796.25	70.99
26 05 36 00-2251	Reducers <small>(26 05 36 00-2122)</small>	
26 05 36 00-2252 EA 9"-6" Reducer, Steel Cable Tray Covers.....	67.70	11.09
26 05 36 00-2253 EA 12"-6" Reducer, Steel Cable Tray Covers.....	73.28	13.16
26 05 36 00-2254 EA 12"-9" Reducer, Steel Cable Tray Covers.....	73.28	13.16
26 05 36 00-2255 EA 18"-6" Reducer, Steel Cable Tray Covers.....	81.56	16.12
26 05 36 00-2256 EA 18"-12" Reducer, Steel Cable Tray Covers.....	81.56	16.12
26 05 36 00-2257 EA 24"-12" Reducer, Steel Cable Tray Covers.....	99.56	17.75
26 05 36 00-2258 EA 24"-18" Reducer, Steel Cable Tray Covers.....	106.12	17.75
26 05 36 00-2259 EA 30"-12" Reducer, Steel Cable Tray Covers.....	103.81	20.27
26 05 36 00-2260 EA 30"-18" Reducer, Steel Cable Tray Covers.....	110.37	20.27
26 05 36 00-2261 EA 30"-24" Reducer, Steel Cable Tray Covers.....	114.74	20.27
26 05 36 00-2262 EA 36"-12" Reducer, Steel Cable Tray Covers.....	120.00	22.19
26 05 36 00-2263 EA 36"-18" Reducer, Steel Cable Tray Covers.....	122.19	22.19
26 05 36 00-2264 EA 36"-24" Reducer, Steel Cable Tray Covers.....	124.38	22.19
26 05 36 00-2265 EA 36"-30" Reducer, Steel Cable Tray Covers.....	125.47	22.19
26 05 36 00-2266	Aluminum Covers <small>(26 05 36 00-2121)</small>	
26 05 36 00-2267	Ventilated Straight Sections <small>(26 05 36 00-2266)</small>	
26 05 36 00-2268 LF 6" Aluminum Cable Tray Cover, Straight Section	12.11	2.66
26 05 36 00-2269 LF 9" Aluminum Cable Tray Cover, Straight Section	14.40	3.11
26 05 36 00-2270 LF 12" Aluminum Cable Tray Cover, Straight Section	16.86	3.55
26 05 36 00-2271 LF 18" Aluminum Cable Tray Cover, Straight Section	22.45	4.73
26 05 36 00-2272 LF 24" Aluminum Cable Tray Cover, Straight Section	28.98	6.36
26 05 36 00-2273 LF 30" Aluminum Cable Tray Cover, Straight Section	33.17	7.83
26 05 36 00-2274 LF 36" Aluminum Cable Tray Cover, Straight Section	169.50	88.89
26 05 36 00-2275	90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>	
26 05 36 00-2276 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	63.31	9.47
26 05 36 00-2277 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	68.01	11.09
26 05 36 00-2278 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	75.50	13.16
26 05 36 00-2279 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	98.25	16.86
26 05 36 00-2280 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	124.57	21.45
26 05 36 00-2281 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	145.86	23.81
26 05 36 00-2282 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	177.41	28.40
26 05 36 00-2283	90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>	
26 05 36 00-2284 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	82.45	10.50
26 05 36 00-2285 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	100.90	12.27
26 05 36 00-2286 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	113.46	14.79
26 05 36 00-2287 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	136.47	18.78
26 05 36 00-2288 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	169.51	23.66
26 05 36 00-2289 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	204.39	27.21
26 05 36 00-2290 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	249.91	32.24
26 05 36 00-2291	90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>	
26 05 36 00-2292 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	131.08	11.83
26 05 36 00-2293 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	144.55	13.60
26 05 36 00-2294 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	166.42	16.86
26 05 36 00-2295 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	197.98	19.68
26 05 36 00-2296 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	245.70	27.36
26 05 36 00-2297 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	282.63	30.92
26 05 36 00-2298 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	329.44	35.49

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2299			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
	EA		6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	50.94	9.47
			<i>For 60 Degree Bend, Deduct</i>	-13.16	
			<i>For 30 Degree Bend, Deduct</i>	-22.47	
	EA		9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	54.60	11.09
			<i>For 60 Degree Bend, Deduct</i>	-13.77	
			<i>For 30 Degree Bend, Deduct</i>	-23.56	
	EA		12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	62.29	13.16
			<i>For 60 Degree Bend, Deduct</i>	-15.53	
			<i>For 30 Degree Bend, Deduct</i>	-26.62	
	EA		18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	73.30	16.12
			<i>For 60 Degree Bend, Deduct</i>	-18.01	
			<i>For 30 Degree Bend, Deduct</i>	-30.91	
	EA		24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	82.79	18.63
			<i>For 60 Degree Bend, Deduct</i>	-20.15	
			<i>For 30 Degree Bend, Deduct</i>	-34.62	
	EA		30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	100.87	21.45
			<i>For 60 Degree Bend, Deduct</i>	-25.04	
			<i>For 30 Degree Bend, Deduct</i>	-42.93	
	EA		36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	117.88	23.66
			<i>For 60 Degree Bend, Deduct</i>	-29.83	
			<i>For 30 Degree Bend, Deduct</i>	-51.03	
26 05 36 00-2307			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
	EA		6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	58.21	10.50
			<i>For 60 Degree Bend, Deduct</i>	-15.20	
			<i>For 30 Degree Bend, Deduct</i>	-25.91	
	EA		9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	72.01	12.27
			<i>For 60 Degree Bend, Deduct</i>	-19.07	
			<i>For 30 Degree Bend, Deduct</i>	-32.46	
	EA		12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	78.37	14.79
			<i>For 60 Degree Bend, Deduct</i>	-20.18	
			<i>For 30 Degree Bend, Deduct</i>	-34.46	
	EA		18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	94.63	17.75
			<i>For 60 Degree Bend, Deduct</i>	-24.42	
			<i>For 30 Degree Bend, Deduct</i>	-41.68	
	EA		24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	114.36	20.27
			<i>For 60 Degree Bend, Deduct</i>	-29.95	
			<i>For 30 Degree Bend, Deduct</i>	-51.04	
	EA		30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	132.41	23.66
			<i>For 60 Degree Bend, Deduct</i>	-34.60	
			<i>For 30 Degree Bend, Deduct</i>	-58.99	
	EA		36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	152.87	27.36
			<i>For 60 Degree Bend, Deduct</i>	-39.97	
			<i>For 30 Degree Bend, Deduct</i>	-68.14	
26 05 36 00-2315			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
	EA		6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	89.84	11.83
			<i>For 60 Degree Bend, Deduct</i>	-25.12	
			<i>For 30 Degree Bend, Deduct</i>	-42.53	
	EA		9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	99.14	13.60
			<i>For 60 Degree Bend, Deduct</i>	-27.48	
			<i>For 30 Degree Bend, Deduct</i>	-46.55	
	EA		12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	108.56	16.86
			<i>For 60 Degree Bend, Deduct</i>	-29.37	
			<i>For 30 Degree Bend, Deduct</i>	-49.88	
	EA		18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	128.24	18.78
			<i>For 60 Degree Bend, Deduct</i>	-35.13	
			<i>For 30 Degree Bend, Deduct</i>	-59.60	
	EA		24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	155.85	22.92
			<i>For 60 Degree Bend, Deduct</i>	-42.64	
			<i>For 30 Degree Bend, Deduct</i>	-72.34	
	EA		30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	179.70	27.36
			<i>For 60 Degree Bend, Deduct</i>	-48.82	
			<i>For 30 Degree Bend, Deduct</i>	-82.89	
	EA		36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	202.06	29.58
			<i>For 60 Degree Bend, Deduct</i>	-55.33	
			<i>For 30 Degree Bend, Deduct</i>	-93.87	
26 05 36 00-2323			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
	EA		6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	56.25	9.47
	EA		9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	59.24	11.09
	EA		12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	66.21	13.16
	EA		18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	78.50	16.12
	EA		24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	88.45	20.86
	EA		30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	94.26	23.81
	EA		36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	113.32	28.40
26 05 36 00-2331			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2332 EA 6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	63.88	10.50
26 05 36 00-2333 EA 9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	70.98	12.27
26 05 36 00-2334 EA 12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	79.40	14.79
26 05 36 00-2335 EA 18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	95.62	17.75
26 05 36 00-2336 EA 24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	110.40	22.92
26 05 36 00-2337 EA 30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	138.37	27.36
26 05 36 00-2338 EA 36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	154.97	32.24
26 05 36 00-2339 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2340 EA 6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	73.29	11.83
26 05 36 00-2341 EA 9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	88.82	13.60
26 05 36 00-2342 EA 12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	104.50	16.86
26 05 36 00-2343 EA 18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	124.11	18.78
26 05 36 00-2344 EA 24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	153.12	26.18
26 05 36 00-2345 EA 30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	189.75	30.92
26 05 36 00-2346 EA 36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	207.67	35.49
26 05 36 00-2347 12" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2348 EA 6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	91.78	15.38
26 05 36 00-2349 EA 9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	99.75	17.75
26 05 36 00-2350 EA 12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	113.11	20.86
26 05 36 00-2351 EA 18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	132.41	23.66
26 05 36 00-2352 EA 24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	163.19	27.36
26 05 36 00-2353 EA 30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	203.90	39.34
26 05 36 00-2354 EA 36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	245.87	47.19
26 05 36 00-2355 24" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2356 EA 6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	134.22	16.12
26 05 36 00-2357 EA 9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	150.94	18.78
26 05 36 00-2358 EA 12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	171.09	22.19
26 05 36 00-2359 EA 18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	199.16	25.44
26 05 36 00-2360 EA 24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	298.91	29.58
26 05 36 00-2361 EA 30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	350.57	44.37
26 05 36 00-2362 EA 36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	398.48	54.58
26 05 36 00-2363 36" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2364 EA 6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	224.17	16.86
26 05 36 00-2365 EA 9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	233.04	19.68
26 05 36 00-2366 EA 12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	260.33	23.66
26 05 36 00-2367 EA 18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	295.35	27.36
26 05 36 00-2368 EA 24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	371.68	32.24
26 05 36 00-2369 EA 30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	441.78	50.88
26 05 36 00-2370 EA 36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	509.69	64.34
26 05 36 00-2371 12" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
26 05 36 00-2372 EA 6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	135.89	20.86
26 05 36 00-2373 EA 9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	144.30	22.19
26 05 36 00-2374 EA 12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	159.25	23.66
26 05 36 00-2375 EA 18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	190.02	27.36
26 05 36 00-2376 EA 24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	232.73	39.34
26 05 36 00-2377 EA 30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	276.75	47.19
26 05 36 00-2378 EA 36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	313.55	50.73
26 05 36 00-2379 24" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
26 05 36 00-2380 EA 6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	235.15	22.19
26 05 36 00-2381 EA 9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	252.07	23.66
26 05 36 00-2382 EA 12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	271.39	25.44
26 05 36 00-2383 EA 18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	315.42	29.58
26 05 36 00-2384 EA 24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	391.79	44.37
26 05 36 00-2385 EA 30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	462.34	54.58
26 05 36 00-2386 EA 36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	500.85	59.02
26 05 36 00-2387 36" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
26 05 36 00-2388 EA 6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	357.33	23.66
26 05 36 00-2389 EA 9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	374.59	25.44
26 05 36 00-2390 EA 12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	402.67	27.36
26 05 36 00-2391 EA 18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	445.98	32.24
26 05 36 00-2392 EA 24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	569.68	50.73
26 05 36 00-2393 EA 30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	664.96	64.64
26 05 36 00-2394 EA 36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	727.17	70.99

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2395 Reducers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2396 EA 9"-6" Reducer, Aluminum Cable Tray Covers	69.07	11.09
26 05 36 00-2397 EA 12"-6" Reducer, Aluminum Cable Tray Covers	74.52	13.16
26 05 36 00-2398 EA 12"-9" Reducer, Aluminum Cable Tray Covers	74.52	13.16
26 05 36 00-2399 EA 18"-6" Reducer, Aluminum Cable Tray Covers	84.68	16.12
26 05 36 00-2400 EA 18"-12" Reducer, Aluminum Cable Tray Covers	84.68	16.12
26 05 36 00-2401 EA 24"-12" Reducer, Aluminum Cable Tray Covers	93.56	17.75
26 05 36 00-2402 EA 24"-18" Reducer, Aluminum Cable Tray Covers	101.77	17.75
26 05 36 00-2403 EA 30"-12" Reducer, Aluminum Cable Tray Covers	108.13	20.27
26 05 36 00-2404 EA 30"-18" Reducer, Aluminum Cable Tray Covers	111.20	20.27
26 05 36 00-2405 EA 30"-24" Reducer, Aluminum Cable Tray Covers	113.33	20.27
26 05 36 00-2406 EA 36"-12" Reducer, Aluminum Cable Tray Covers	119.46	22.19
26 05 36 00-2407 EA 36"-18" Reducer, Aluminum Cable Tray Covers	121.52	22.19
26 05 36 00-2408 EA 36"-24" Reducer, Aluminum Cable Tray Covers	122.55	22.19
26 05 36 00-2409 EA 36"-30" Reducer, Aluminum Cable Tray Covers	123.58	22.19
26 05 36 00-2410 Galvanized Steel Dividers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2411 Straight Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2412 LF 3" Deep Galvanized Steel Divider Strip, Straight	11.93	3.55
26 05 36 00-2413 LF 4" Deep Galvanized Steel Divider Strip, Straight	13.96	3.85
26 05 36 00-2414 LF 6" Deep Galvanized Steel Divider Strip, Straight	17.13	4.44
26 05 36 00-2415 3" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2416 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	71.82	25.44
26 05 36 00-2417 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	80.85	26.33
26 05 36 00-2418 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	84.91	27.36
26 05 36 00-2419 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	96.53	28.40
26 05 36 00-2420 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	92.16	28.40
26 05 36 00-2421 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	99.55	29.58
26 05 36 00-2422 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	114.89	30.92
26 05 36 00-2423 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	140.22	32.24
26 05 36 00-2424 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable Tray	113.98	32.24
26 05 36 00-2425 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	126.33	33.87
26 05 36 00-2426 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	141.17	35.49
26 05 36 00-2427 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	175.99	37.42
26 05 36 00-2428 4" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2429 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	81.39	26.33
26 05 36 00-2430 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	89.29	27.36
26 05 36 00-2431 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	96.53	28.40
26 05 36 00-2432 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	109.39	29.58
26 05 36 00-2433 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	109.39	29.58
26 05 36 00-2434 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	126.92	30.92
26 05 36 00-2435 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	139.13	32.24
26 05 36 00-2436 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	170.07	33.87
26 05 36 00-2437 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	121.45	30.92
26 05 36 00-2438 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	133.66	32.24
26 05 36 00-2439 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	156.95	33.87
26 05 36 00-2440 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	195.84	35.49
26 05 36 00-2441 6" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2442 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	90.25	29.58
26 05 36 00-2443 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	97.39	30.92
26 05 36 00-2444 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	106.33	32.24
26 05 36 00-2445 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	121.96	33.87
26 05 36 00-2446 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	111.61	30.92
26 05 36 00-2447 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	129.29	32.24
26 05 36 00-2448 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	142.73	33.87
26 05 36 00-2449 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	172.88	35.49
26 05 36 00-2450 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	123.82	32.24
26 05 36 00-2451 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	142.73	33.87
26 05 36 00-2452 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	172.88	35.49
26 05 36 00-2453 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	208.79	37.42
26 05 36 00-2454 Horizontal Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2455 EA 3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	77.89	21.45
26 05 36 00-2456 EA 4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	86.51	23.66
26 05 36 00-2457 EA 6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	103.92	26.33
26 05 36 00-2458 Aluminum Dividers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2459 Straight Dividers <small>(26 05 36 00-2458)</small>		
26 05 36 00-2460 LF 3" Deep Aluminum Divider Strip, Straight	11.30	3.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2461 LF 4" Deep Aluminum Divider Strip, Straight	13.23	3.70
26 05 36 00-2462 LF 6" Deep Aluminum Divider Strip, Straight	16.13	4.14
26 05 36 00-2463 3" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2464 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	63.43	24.55
26 05 36 00-2465 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	68.96	25.44
26 05 36 00-2466 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	74.98	26.33
26 05 36 00-2467 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	85.05	27.36
26 05 36 00-2468 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	83.07	27.36
26 05 36 00-2469 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	90.78	28.40
26 05 36 00-2470 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	103.56	29.58
26 05 36 00-2471 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	125.53	30.92
26 05 36 00-2472 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	108.74	30.92
26 05 36 00-2473 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	127.90	32.24
26 05 36 00-2474 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	152.14	33.87
26 05 36 00-2475 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	184.57	35.49
26 05 36 00-2476 4" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2477 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	74.20	25.44
26 05 36 00-2478 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	80.81	26.33
26 05 36 00-2479 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	88.01	27.36
26 05 36 00-2480 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	97.69	28.40
26 05 36 00-2481 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	96.70	28.40
26 05 36 00-2482 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	110.47	29.58
26 05 36 00-2483 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	123.56	30.92
26 05 36 00-2484 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	152.59	32.24
26 05 36 00-2485 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	126.27	29.58
26 05 36 00-2486 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	150.22	30.92
26 05 36 00-2487 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	174.31	32.24
26 05 36 00-2488 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	208.42	33.87
26 05 36 00-2489 6" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2490 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	82.29	28.40
26 05 36 00-2491 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	90.72	29.58
26 05 36 00-2492 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	94.92	30.92
26 05 36 00-2493 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	105.19	32.24
26 05 36 00-2494 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	100.60	29.58
26 05 36 00-2495 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	121.58	30.92
26 05 36 00-2496 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	130.86	32.24
26 05 36 00-2497 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	161.02	33.87
26 05 36 00-2498 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	129.48	30.92
26 05 36 00-2499 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	158.51	32.24
26 05 36 00-2500 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	179.79	33.87
26 05 36 00-2501 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	207.28	35.49
26 05 36 00-2502 Horizontal Dividers (26 05 36 00-2458)		
26 05 36 00-2503 EA 3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	69.81	20.27
26 05 36 00-2504 EA 4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	76.48	22.19
26 05 36 00-2505 EA 6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	93.16	24.55
26 05 36 00-2506 Cable Tray Wall Brackets (26 05 36 00-0001)		
26 05 36 00-2507 Wall Brackets (26 05 36 00-2506)		
26 05 36 00-2508 EA 6" Wide Cable Tray Wall Bracket	93.33	29.58
26 05 36 00-2509 EA 9" Wide Cable Tray Wall Bracket	96.81	30.92
26 05 36 00-2510 EA 12" Wide Cable Tray Wall Bracket	105.47	32.24
26 05 36 00-2511 EA 18" Wide Cable Tray Wall Bracket	111.76	33.87
26 05 36 00-2512 EA 24" Wide Cable Tray Wall Bracket	120.87	35.49
26 05 36 00-2513 EA 30" Wide Cable Tray Wall Bracket	141.60	37.42
26 05 36 00-2514 EA 36" Wide Cable Tray Wall Bracket	167.30	39.93
26 05 36 00-2515 Fiberglass Cable Tray (26 05 36 00-0001)		
26 05 36 00-2516 Ladder Bottom Fiberglass Cable Tray (26 05 36 00-2515)		
Note: Excludes hangers and support system.		
26 05 36 00-2517 Straight Tray Sections (26 05 36 00-2516)		
26 05 36 00-2518 LF 6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	12.43	4.00
For 9" Rung Spacing, Add	0.23	
For 6" Rung Spacing, Add	0.98	
For 4" Rung Spacing, Add	1.79	
For 18" Rung Spacing, Deduct	-0.16	
For Solid Bottom, Add	2.84	
For Vented Trough Bottom, Add	3.35	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2519 LF 9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	14.13	4.88
For 9" Rung Spacing, Add	0.24	
For 6" Rung Spacing, Add	1.01	
For 4" Rung Spacing, Add	1.85	
For 18" Rung Spacing, Deduct	-0.17	
For Solid Bottom, Add	3.13	
For Vented Trough Bottom, Add	3.62	
26 05 36 00-2520 LF 12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	15.81	5.92
For 9" Rung Spacing, Add	0.24	
For 6" Rung Spacing, Add	1.04	
For 4" Rung Spacing, Add	1.91	
For 18" Rung Spacing, Deduct	-0.17	
For Solid Bottom, Add	3.41	
For Vented Trough Bottom, Add	3.88	
26 05 36 00-2521 LF 18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	19.28	7.83
For 9" Rung Spacing, Add	0.26	
For 6" Rung Spacing, Add	1.12	
For 4" Rung Spacing, Add	2.05	
For 18" Rung Spacing, Deduct	-0.19	
For Solid Bottom, Add	4.01	
For Vented Trough Bottom, Add	4.46	
26 05 36 00-2522 LF 24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	22.74	9.91
For 9" Rung Spacing, Add	0.28	
For 6" Rung Spacing, Add	1.19	
For 4" Rung Spacing, Add	2.19	
For 18" Rung Spacing, Deduct	-0.20	
For Solid Bottom, Add	4.60	
For Vented Trough Bottom, Add	5.03	
26 05 36 00-2523 LF 30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	24.89	10.80
For 9" Rung Spacing, Add	0.30	
For 6" Rung Spacing, Add	1.29	
For 4" Rung Spacing, Add	2.37	
For 18" Rung Spacing, Deduct	-0.22	
For Solid Bottom, Add	5.03	
For Vented Trough Bottom, Add	5.48	
26 05 36 00-2524 LF 36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	27.08	11.83
For 9" Rung Spacing, Add	0.33	
For 6" Rung Spacing, Add	1.40	
For 4" Rung Spacing, Add	2.57	
For 18" Rung Spacing, Deduct	-0.23	
For Solid Bottom, Add	5.46	
For Vented Trough Bottom, Add	5.95	
26 05 36 00-2525 90 Degree Horizontal Elbows <small>(26 05 36 00-2516)</small>		
26 05 36 00-2526 EA 6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	70.76	29.58
For 9" Rung Spacing, Add	0.92	
For 6" Rung Spacing, Add	3.96	
For 4" Rung Spacing, Add	7.26	
For 18" Rung Spacing, Deduct	-0.66	
For Solid Bottom, Add	14.57	
For Vented Trough Bottom, Add	16.10	
For 60 Degree Bend, Deduct	-13.15	
For 45 Degree Bend, Deduct	-18.27	
For 30 Degree Bend, Deduct	-23.39	
26 05 36 00-2527 EA 9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	79.67	34.46
For 9" Rung Spacing, Add	0.98	
For 6" Rung Spacing, Add	4.19	
For 4" Rung Spacing, Add	7.68	
For 18" Rung Spacing, Deduct	-0.70	
For Solid Bottom, Add	16.14	
For Vented Trough Bottom, Add	17.63	
For 60 Degree Bend, Deduct	-14.39	
For 45 Degree Bend, Deduct	-20.04	
For 30 Degree Bend, Deduct	-25.70	
26 05 36 00-2528 EA 12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	94.50	43.34
For 9" Rung Spacing, Add	1.03	
For 6" Rung Spacing, Add	4.41	
For 4" Rung Spacing, Add	8.09	
For 18" Rung Spacing, Deduct	-0.74	
For Solid Bottom, Add	18.59	
For Vented Trough Bottom, Add	19.90	
For 60 Degree Bend, Deduct	-16.22	
For 45 Degree Bend, Deduct	-22.71	
For 30 Degree Bend, Deduct	-29.20	
26 05 36 00-2529 EA 18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	112.18	52.35
For 9" Rung Spacing, Add	1.18	
For 6" Rung Spacing, Add	5.07	
For 4" Rung Spacing, Add	9.29	
For 18" Rung Spacing, Deduct	-0.84	
For Solid Bottom, Add	21.90	
For Vented Trough Bottom, Add	23.31	
For 60 Degree Bend, Deduct	-18.99	
For 45 Degree Bend, Deduct	-26.63	
For 30 Degree Bend, Deduct	-34.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2530 EA 24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	127.37	60.20
<i>For 9" Rung Spacing, Add</i>	1.30	
<i>For 6" Rung Spacing, Add</i>	5.57	
<i>For 4" Rung Spacing, Add</i>	10.22	
<i>For 18" Rung Spacing, Deduct</i>	-0.93	
<i>For Solid Bottom, Add</i>	24.68	
<i>For Vented Trough Bottom, Add</i>	26.14	
<i>For 60 Degree Bend, Deduct</i>	-21.28	
<i>For 45 Degree Bend, Deduct</i>	-29.88	
<i>For 30 Degree Bend, Deduct</i>	-38.48	
26 05 36 00-2531 EA 30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	138.83	64.19
<i>For 9" Rung Spacing, Add</i>	1.49	
<i>For 6" Rung Spacing, Add</i>	6.41	
<i>For 4" Rung Spacing, Add</i>	11.74	
<i>For 18" Rung Spacing, Deduct</i>	-1.07	
<i>For Solid Bottom, Add</i>	27.23	
<i>For Vented Trough Bottom, Add</i>	29.10	
<i>For 60 Degree Bend, Deduct</i>	-23.70	
<i>For 45 Degree Bend, Deduct</i>	-33.21	
<i>For 30 Degree Bend, Deduct</i>	-42.71	
26 05 36 00-2532 EA 36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	152.58	69.08
<i>For 9" Rung Spacing, Add</i>	1.72	
<i>For 6" Rung Spacing, Add</i>	7.36	
<i>For 4" Rung Spacing, Add</i>	13.49	
<i>For 18" Rung Spacing, Deduct</i>	-1.23	
<i>For Solid Bottom, Add</i>	30.24	
<i>For Vented Trough Bottom, Add</i>	32.56	
<i>For 60 Degree Bend, Deduct</i>	-26.54	
<i>For 45 Degree Bend, Deduct</i>	-37.11	
<i>For 30 Degree Bend, Deduct</i>	-47.68	
26 05 36 00-2533 Inside Or Outside Vertical Risers (26 05 36 00-2516)		
26 05 36 00-2534 EA 6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	98.33	29.58
<i>For 9" Rung Spacing, Add</i>	1.89	
<i>For 6" Rung Spacing, Add</i>	8.09	
<i>For 4" Rung Spacing, Add</i>	14.64	
<i>For 18" Rung Spacing, Deduct</i>	-1.35	
<i>For Solid Bottom, Add</i>	22.84	
<i>For Vented Trough Bottom, Add</i>	27.13	
<i>For 60 Degree Bend, Deduct</i>	-22.24	
<i>For 45 Degree Bend, Deduct</i>	-30.40	
<i>For 30 Degree Bend, Deduct</i>	-38.55	
26 05 36 00-2535 EA 9" Vertical Inside Or Outside Riser 90, Fiberglass	106.49	34.46
<i>For 9" Rung Spacing, Add</i>	1.92	
<i>For 6" Rung Spacing, Add</i>	8.21	
<i>For 4" Rung Spacing, Add</i>	15.05	
<i>For 18" Rung Spacing, Deduct</i>	-1.37	
<i>For Solid Bottom, Add</i>	24.18	
<i>For Vented Trough Bottom, Add</i>	28.36	
<i>For 60 Degree Bend, Deduct</i>	-23.24	
<i>For 45 Degree Bend, Deduct</i>	-31.85	
<i>For 30 Degree Bend, Deduct</i>	-40.45	
26 05 36 00-2536 EA 12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	120.56	43.34
<i>For 9" Rung Spacing, Add</i>	1.94	
<i>For 6" Rung Spacing, Add</i>	8.32	
<i>For 4" Rung Spacing, Add</i>	15.26	
<i>For 18" Rung Spacing, Deduct</i>	-1.39	
<i>For Solid Bottom, Add</i>	26.41	
<i>For Vented Trough Bottom, Add</i>	30.33	
<i>For 60 Degree Bend, Deduct</i>	-24.82	
<i>For 45 Degree Bend, Deduct</i>	-34.17	
<i>For 30 Degree Bend, Deduct</i>	-43.53	
26 05 36 00-2537 EA 18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	135.55	52.35
<i>For 9" Rung Spacing, Add</i>	2.00	
<i>For 6" Rung Spacing, Add</i>	8.57	
<i>For 4" Rung Spacing, Add</i>	15.72	
<i>For 18" Rung Spacing, Deduct</i>	-1.43	
<i>For Solid Bottom, Add</i>	28.91	
<i>For Vented Trough Bottom, Add</i>	32.66	
<i>For 60 Degree Bend, Deduct</i>	-26.70	
<i>For 45 Degree Bend, Deduct</i>	-36.91	
<i>For 30 Degree Bend, Deduct</i>	-47.12	
26 05 36 00-2538 EA 24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	148.89	60.20
<i>For 9" Rung Spacing, Add</i>	2.05	
<i>For 6" Rung Spacing, Add</i>	8.80	
<i>For 4" Rung Spacing, Add</i>	16.13	
<i>For 18" Rung Spacing, Deduct</i>	-1.47	
<i>For Solid Bottom, Add</i>	31.13	
<i>For Vented Trough Bottom, Add</i>	34.75	
<i>For 60 Degree Bend, Deduct</i>	-28.38	
<i>For 45 Degree Bend, Deduct</i>	-39.35	
<i>For 30 Degree Bend, Deduct</i>	-50.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2539 EA 30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	156.31	64.19
For 9" Rung Spacing, Add	2.11	
For 6" Rung Spacing, Add	9.03	
For 4" Rung Spacing, Add	16.55	
For 18" Rung Spacing, Deduct	-1.50	
For Solid Bottom, Add	32.47	
For Vented Trough Bottom, Add	36.09	
For 60 Degree Bend, Deduct	-29.47	
For 45 Degree Bend, Deduct	-40.90	
For 30 Degree Bend, Deduct	-52.33	
26 05 36 00-2540 EA 36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	170.02	69.08
For 9" Rung Spacing, Add	2.33	
For 6" Rung Spacing, Add	9.97	
For 4" Rung Spacing, Add	18.28	
For 18" Rung Spacing, Deduct	-1.66	
For Solid Bottom, Add	35.48	
For Vented Trough Bottom, Add	39.53	
For 60 Degree Bend, Deduct	-32.29	
For 45 Degree Bend, Deduct	-44.78	
For 30 Degree Bend, Deduct	-57.27	
26 05 36 00-2541 Horizontal Tees (26 05 36 00-2516)		
26 05 36 00-2542 EA 6" Horizontal Tee, Fiberglass Cable Tray	157.50	73.95
For 9" Rung Spacing, Add	1.63	
For 6" Rung Spacing, Add	6.99	
For 4" Rung Spacing, Add	12.81	
For 18" Rung Spacing, Deduct	-1.16	
For Solid Bottom, Add	30.61	
For Vented Trough Bottom, Add	32.49	
26 05 36 00-2543 EA 9" Horizontal Tee, Fiberglass Cable Tray	178.57	86.82
For 9" Rung Spacing, Add	1.69	
For 6" Rung Spacing, Add	7.26	
For 4" Rung Spacing, Add	13.31	
For 18" Rung Spacing, Deduct	-1.21	
For Solid Bottom, Add	34.05	
For Vented Trough Bottom, Add	35.63	
26 05 36 00-2544 EA 12" Horizontal Tee, Fiberglass Cable Tray	205.56	103.53
For 9" Rung Spacing, Add	1.76	
For 6" Rung Spacing, Add	7.54	
For 4" Rung Spacing, Add	13.82	
For 18" Rung Spacing, Deduct	-1.26	
For Solid Bottom, Add	38.37	
For Vented Trough Bottom, Add	39.52	
26 05 36 00-2545 EA 18" Horizontal Tee, Fiberglass Cable Tray	229.83	116.40
For 9" Rung Spacing, Add	1.94	
For 6" Rung Spacing, Add	8.30	
For 4" Rung Spacing, Add	15.21	
For 18" Rung Spacing, Deduct	-1.38	
For Solid Bottom, Add	42.77	
For Vented Trough Bottom, Add	43.94	
26 05 36 00-2546 EA 24" Horizontal Tee, Fiberglass Cable Tray	241.26	121.28
For 9" Rung Spacing, Add	2.08	
For 6" Rung Spacing, Add	8.90	
For 4" Rung Spacing, Add	16.32	
For 18" Rung Spacing, Deduct	-1.48	
For Solid Bottom, Add	45.09	
For Vented Trough Bottom, Add	46.48	
26 05 36 00-2547 EA 30" Horizontal Tee, Fiberglass Cable Tray	257.83	128.23
For 9" Rung Spacing, Add	2.29	
For 6" Rung Spacing, Add	9.83	
For 4" Rung Spacing, Add	18.03	
For 18" Rung Spacing, Deduct	-1.64	
For Solid Bottom, Add	48.51	
For Vented Trough Bottom, Add	50.26	
26 05 36 00-2548 EA 36" Horizontal Tee, Fiberglass Cable Tray	279.50	138.14
For 9" Rung Spacing, Add	2.54	
For 6" Rung Spacing, Add	10.86	
For 4" Rung Spacing, Add	19.92	
For 18" Rung Spacing, Deduct	-1.81	
For Solid Bottom, Add	52.79	
For Vented Trough Bottom, Add	54.86	
26 05 36 00-2549 Horizontal Crosses (26 05 36 00-2516)		
26 05 36 00-2550 EA 6" Horizontal Cross, Fiberglass Cable Tray	251.95	128.23
For 9" Rung Spacing, Add	2.09	
For 6" Rung Spacing, Add	8.95	
For 4" Rung Spacing, Add	16.41	
For 18" Rung Spacing, Deduct	-1.49	
For Solid Bottom, Add	46.74	
For Vented Trough Bottom, Add	47.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2551 EA 9" Horizontal Cross, Fiberglass Cable Tray	268.51	138.14
<i>For 9" Rung Spacing, Add</i>	2.15	
<i>For 6" Rung Spacing, Add</i>	9.22	
<i>For 4" Rung Spacing, Add</i>	16.90	
<i>For 18" Rung Spacing, Deduct</i>	-1.54	
<i>For Solid Bottom, Add</i>	49.49	
<i>For Vented Trough Bottom, Add</i>	50.46	
26 05 36 00-2552 EA 12" Horizontal Cross, Fiberglass Cable Tray	285.07	148.05
<i>For 9" Rung Spacing, Add</i>	2.21	
<i>For 6" Rung Spacing, Add</i>	9.48	
<i>For 4" Rung Spacing, Add</i>	17.38	
<i>For 18" Rung Spacing, Deduct</i>	-1.58	
<i>For Solid Bottom, Add</i>	52.24	
<i>For Vented Trough Bottom, Add</i>	53.02	
26 05 36 00-2553 EA 18" Horizontal Cross, Fiberglass Cable Tray	304.90	157.82
<i>For 9" Rung Spacing, Add</i>	2.39	
<i>For 6" Rung Spacing, Add</i>	10.24	
<i>For 4" Rung Spacing, Add</i>	18.77	
<i>For 18" Rung Spacing, Deduct</i>	-1.71	
<i>For Solid Bottom, Add</i>	55.97	
<i>For Vented Trough Bottom, Add</i>	56.88	
26 05 36 00-2554 EA 24" Horizontal Cross, Fiberglass Cable Tray	323.56	167.72
<i>For 9" Rung Spacing, Add</i>	2.52	
<i>For 6" Rung Spacing, Add</i>	10.82	
<i>For 4" Rung Spacing, Add</i>	19.83	
<i>For 18" Rung Spacing, Deduct</i>	-1.80	
<i>For Solid Bottom, Add</i>	59.35	
<i>For Vented Trough Bottom, Add</i>	60.28	
26 05 36 00-2555 EA 30" Horizontal Cross, Fiberglass Cable Tray	344.73	177.63
<i>For 9" Rung Spacing, Add</i>	2.75	
<i>For 6" Rung Spacing, Add</i>	11.78	
<i>For 4" Rung Spacing, Add</i>	21.59	
<i>For 18" Rung Spacing, Deduct</i>	-1.96	
<i>For Solid Bottom, Add</i>	63.49	
<i>For Vented Trough Bottom, Add</i>	64.68	
26 05 36 00-2556 EA 36" Horizontal Cross, Fiberglass Cable Tray	372.19	190.35
<i>For 9" Rung Spacing, Add</i>	3.04	
<i>For 6" Rung Spacing, Add</i>	13.01	
<i>For 4" Rung Spacing, Add</i>	23.85	
<i>For 18" Rung Spacing, Deduct</i>	-2.17	
<i>For Solid Bottom, Add</i>	68.84	
<i>For Vented Trough Bottom, Add</i>	70.37	
26 05 36 00-2557 Horizontal Wyes <small>(26 05 36 00-2516)</small>		
26 05 36 00-2558 EA 6" Horizontal Wye, Fiberglass Cable Tray	152.78	73.95
<i>For 9" Rung Spacing, Add</i>	1.47	
<i>For 6" Rung Spacing, Add</i>	6.28	
<i>For 4" Rung Spacing, Add</i>	11.51	
<i>For 18" Rung Spacing, Deduct</i>	-1.05	
<i>For Solid Bottom, Add</i>	29.20	
<i>For Vented Trough Bottom, Add</i>	30.61	
26 05 36 00-2559 EA 9" Horizontal Wye, Fiberglass Cable Tray	161.88	78.98
<i>For 9" Rung Spacing, Add</i>	1.52	
<i>For 6" Rung Spacing, Add</i>	6.53	
<i>For 4" Rung Spacing, Add</i>	11.98	
<i>For 18" Rung Spacing, Deduct</i>	-1.09	
<i>For Solid Bottom, Add</i>	30.81	
<i>For Vented Trough Bottom, Add</i>	32.21	
26 05 36 00-2560 EA 12" Horizontal Wye, Fiberglass Cable Tray	200.52	103.53
<i>For 9" Rung Spacing, Add</i>	1.58	
<i>For 6" Rung Spacing, Add</i>	6.78	
<i>For 4" Rung Spacing, Add</i>	12.44	
<i>For 18" Rung Spacing, Deduct</i>	-1.13	
<i>For Solid Bottom, Add</i>	36.86	
<i>For Vented Trough Bottom, Add</i>	37.50	
26 05 36 00-2561 EA 18" Horizontal Wye, Fiberglass Cable Tray	224.29	116.40
<i>For 9" Rung Spacing, Add</i>	1.74	
<i>For 6" Rung Spacing, Add</i>	7.46	
<i>For 4" Rung Spacing, Add</i>	13.68	
<i>For 18" Rung Spacing, Deduct</i>	-1.24	
<i>For Solid Bottom, Add</i>	41.11	
<i>For Vented Trough Bottom, Add</i>	41.72	
26 05 36 00-2562 EA 24" Horizontal Wye, Fiberglass Cable Tray	235.21	121.28
<i>For 9" Rung Spacing, Add</i>	1.87	
<i>For 6" Rung Spacing, Add</i>	7.99	
<i>For 4" Rung Spacing, Add</i>	14.65	
<i>For 18" Rung Spacing, Deduct</i>	-1.33	
<i>For Solid Bottom, Add</i>	43.28	
<i>For Vented Trough Bottom, Add</i>	44.06	
26 05 36 00-2563 EA 30" Horizontal Wye, Fiberglass Cable Tray	251.28	128.23
<i>For 9" Rung Spacing, Add</i>	2.07	
<i>For 6" Rung Spacing, Add</i>	8.85	
<i>For 4" Rung Spacing, Add</i>	16.23	
<i>For 18" Rung Spacing, Deduct</i>	-1.48	
<i>For Solid Bottom, Add</i>	46.54	
<i>For Vented Trough Bottom, Add</i>	47.64	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2564	EA		36" Horizontal Wye, Fiberglass Cable Tray	272.26	138.14
			<i>For 9" Rung Spacing, Add</i>	2.28	
			<i>For 6" Rung Spacing, Add</i>	9.78	
			<i>For 4" Rung Spacing, Add</i>	17.93	
			<i>For 18" Rung Spacing, Deduct</i>	-1.63	
			<i>For Solid Bottom, Add</i>	50.62	
			<i>For Vented Trough Bottom, Add</i>	51.96	
26 05 36 00-2565			Straight Reducers <small>(26 05 36 00-2516)</small>		
26 05 36 00-2566	EA		9"-6" Reducer, Fiberglass Cable Tray	68.07	29.58
			<i>For 9" Rung Spacing, Add</i>	0.83	
			<i>For 6" Rung Spacing, Add</i>	3.56	
			<i>For 4" Rung Spacing, Add</i>	6.52	
			<i>For 18" Rung Spacing, Deduct</i>	-0.59	
			<i>For Solid Bottom, Add</i>	13.77	
			<i>For Vented Trough Bottom, Add</i>	15.03	
26 05 36 00-2567	EA		12"-9" Reducer, Fiberglass Cable Tray	75.81	34.46
			<i>For 9" Rung Spacing, Add</i>	0.84	
			<i>For 6" Rung Spacing, Add</i>	3.61	
			<i>For 4" Rung Spacing, Add</i>	6.61	
			<i>For 18" Rung Spacing, Deduct</i>	-0.60	
			<i>For Solid Bottom, Add</i>	14.98	
			<i>For Vented Trough Bottom, Add</i>	16.09	
26 05 36 00-2568	EA		18"-12" Reducer, Fiberglass Cable Tray	83.54	39.49
			<i>For 9" Rung Spacing, Add</i>	0.85	
			<i>For 6" Rung Spacing, Add</i>	3.66	
			<i>For 4" Rung Spacing, Add</i>	6.70	
			<i>For 18" Rung Spacing, Deduct</i>	-0.61	
			<i>For Solid Bottom, Add</i>	16.19	
			<i>For Vented Trough Bottom, Add</i>	17.15	
26 05 36 00-2569	EA		24"-18" Reducer, Fiberglass Cable Tray	90.30	43.34
			<i>For 9" Rung Spacing, Add</i>	0.88	
			<i>For 6" Rung Spacing, Add</i>	3.78	
			<i>For 4" Rung Spacing, Add</i>	6.94	
			<i>For 18" Rung Spacing, Deduct</i>	-0.63	
			<i>For Solid Bottom, Add</i>	17.33	
			<i>For Vented Trough Bottom, Add</i>	18.22	
26 05 36 00-2570	EA		30"-24" Reducer, Fiberglass Cable Tray	100.41	47.33
			<i>For 9" Rung Spacing, Add</i>	1.03	
			<i>For 6" Rung Spacing, Add</i>	4.41	
			<i>For 4" Rung Spacing, Add</i>	8.09	
			<i>For 18" Rung Spacing, Deduct</i>	-0.74	
			<i>For Solid Bottom, Add</i>	19.47	
			<i>For Vented Trough Bottom, Add</i>	20.64	
26 05 36 00-2571	EA		36"-30" Reducer, Fiberglass Cable Tray	112.56	52.35
			<i>For 9" Rung Spacing, Add</i>	1.20	
			<i>For 6" Rung Spacing, Add</i>	5.13	
			<i>For 4" Rung Spacing, Add</i>	9.40	
			<i>For 18" Rung Spacing, Deduct</i>	-0.85	
			<i>For Solid Bottom, Add</i>	22.01	
			<i>For Vented Trough Bottom, Add</i>	23.47	
26 05 36 00-2572			Vertical Tees <small>(26 05 36 00-2516)</small>		
26 05 36 00-2573	EA		6" Vertical Tee, Fiberglass Cable Tray	199.85	73.95
			<i>For 9" Rung Spacing, Add</i>	3.11	
			<i>For 6" Rung Spacing, Add</i>	13.34	
			<i>For 4" Rung Spacing, Add</i>	24.46	
			<i>For 18" Rung Spacing, Deduct</i>	-2.22	
			<i>For Solid Bottom, Add</i>	43.32	
			<i>For Vented Trough Bottom, Add</i>	49.44	
26 05 36 00-2574	EA		9" Vertical Tee, Fiberglass Cable Tray	208.34	78.98
			<i>For 9" Rung Spacing, Add</i>	3.15	
			<i>For 6" Rung Spacing, Add</i>	13.50	
			<i>For 4" Rung Spacing, Add</i>	24.76	
			<i>For 18" Rung Spacing, Deduct</i>	-2.25	
			<i>For Solid Bottom, Add</i>	44.76	
			<i>For Vented Trough Bottom, Add</i>	50.80	
26 05 36 00-2575	EA		12" Vertical Tee, Fiberglass Cable Tray	246.40	103.53
			<i>For 9" Rung Spacing, Add</i>	3.19	
			<i>For 6" Rung Spacing, Add</i>	13.67	
			<i>For 4" Rung Spacing, Add</i>	25.06	
			<i>For 18" Rung Spacing, Deduct</i>	-2.28	
			<i>For Solid Bottom, Add</i>	50.63	
			<i>For Vented Trough Bottom, Add</i>	55.86	
26 05 36 00-2576	EA		18" Vertical Tee, Fiberglass Cable Tray	268.17	116.40
			<i>For 9" Rung Spacing, Add</i>	3.28	
			<i>For 6" Rung Spacing, Add</i>	14.05	
			<i>For 4" Rung Spacing, Add</i>	25.75	
			<i>For 18" Rung Spacing, Deduct</i>	-2.34	
			<i>For Solid Bottom, Add</i>	54.27	
			<i>For Vented Trough Bottom, Add</i>	59.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2577 EA 24" Vertical Tee, Fiberglass Cable Tray.....	277.91	121.28
For 9" Rung Spacing, Add	3.36	
For 6" Rung Spacing, Add	14.40	
For 4" Rung Spacing, Add	26.40	
For 18" Rung Spacing, Deduct	-2.40	
For Solid Bottom, Add	56.09	
For Vented Trough Bottom, Add	61.14	
26 05 36 00-2578 EA 30" Vertical Tee, Fiberglass Cable Tray.....	290.44	128.23
For 9" Rung Spacing, Add	3.44	
For 6" Rung Spacing, Add	14.73	
For 4" Rung Spacing, Add	27.00	
For 18" Rung Spacing, Deduct	-2.45	
For Solid Bottom, Add	58.29	
For Vented Trough Bottom, Add	63.30	
26 05 36 00-2579 EA 36" Vertical Tee, Fiberglass Cable Tray.....	315.53	138.14
For 9" Rung Spacing, Add	3.80	
For 6" Rung Spacing, Add	16.27	
For 4" Rung Spacing, Add	29.83	
For 18" Rung Spacing, Deduct	-2.71	
For Solid Bottom, Add	63.60	
For Vented Trough Bottom, Add	69.27	

26 05 39 Underfloor Raceways for Electrical Systems (26 05)

26 05 39 00-0001 Underfloor Ducts (26 05 39)		
26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)		
26 05 39 00-0003 Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)		
26 05 39 00-0004 EA Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	118.38	26.03
26 05 39 00-0005 EA Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	148.42	30.47
26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)		
26 05 39 00-0007 EA Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	194.41	32.98
26 05 39 00-0008 EA Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	222.31	36.54
26 05 39 00-0009 Junction Boxes (26 05 39 00-0001)		
26 05 39 00-0010 One Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0011 EA 1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	296.76	51.76
26 05 39 00-0012 EA 1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	335.09	55.46
26 05 39 00-0013 EA 1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box.....	528.77	51.76
Note: Isolate each duct and form a continuous raceway through the box in both directions.		
26 05 39 00-0014 EA 1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	365.35	55.46
26 05 39 00-0015 EA 1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	575.75	72.91
26 05 39 00-0016 EA 1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	801.50	79.27
26 05 39 00-0017 Two Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0018 EA 2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level	1,202.40	52.35
Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.		
26 05 39 00-0019 EA 2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	1,382.16	55.46
26 05 39 00-0020 Elbow Fittings (26 05 39 00-0001)		
26 05 39 00-0021 90 Degree Horizontal Elbow (26 05 39 00-0020)		
26 05 39 00-0022 EA Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	143.23	19.07
26 05 39 00-0023 EA Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	147.39	19.07
26 05 39 00-0024 90 Degree Vertical Elbow (26 05 39 00-0020)		
26 05 39 00-0025 EA Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	82.71	19.07
26 05 39 00-0026 EA Underfloor Large Duct Vertical Elbow Fitting, 90 Degree.....	84.37	19.07
26 05 39 00-0027 Offset Elbow (26 05 39 00-0020)		
Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028 EA Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	82.71	22.19
26 05 39 00-0029 EA Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	84.37	22.19
26 05 39 00-0030 Couplings (26 05 39 00-0001)		
26 05 39 00-0031 Sleeve Couplings (26 05 39 00-0030)		
26 05 39 00-0032 EA Underfloor Standard Duct Sleeve Coupling	55.74	29.58
26 05 39 00-0033 EA Underfloor Large Duct Sleeve Coupling.....	87.53	29.58

26 Electrical**26 05 Common Work Results for Electrical****26 05 39 Underfloor Raceways for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0034 Expansion Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0035 EA Underfloor Standard Duct Expansion Coupling.....	119.69	29.58
26 05 39 00-0036 EA Underfloor Large Duct Expansion Coupling.....	121.76	31.21
26 05 39 00-0037 Reducing Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0038 EA Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	107.79	4.44
26 05 39 00-0039 Duct Supports <small>(26 05 39 00-0001)</small>		
26 05 39 00-0040 Combination Support And Coupling <small>(26 05 39 00-0039)</small>		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041 EA 1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	128.29	62.12
26 05 39 00-0042 EA 2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	143.42	62.12
26 05 39 00-0043 EA 3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	158.66	62.12
26 05 39 00-0044 EA 1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	143.42	69.52
26 05 39 00-0045 EA 2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	174.24	69.52
26 05 39 00-0046 EA 1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	158.66	73.95
26 05 39 00-0047 EA 2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	158.66	73.95
26 05 39 00-0048 EA 1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	174.24	73.95
26 05 39 00-0049 Duct Support Only <small>(26 05 39 00-0039)</small>		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050 EA 1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	114.96	54.72
26 05 39 00-0051 EA 2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	135.12	54.72
26 05 39 00-0052 EA 3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	156.60	54.72
26 05 39 00-0053 Underfloor Duct Accessories <small>(26 05 39 00-0001)</small>		
26 05 39 00-0054 Plugs For Unused Junction Box Openings And Duct Ends <small>(26 05 39 00-0053)</small>		
26 05 39 00-0055 EA Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	28.25	4.44
26 05 39 00-0056 EA Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	29.03	4.44
26 05 39 00-0057 Conduit Adapters <small>(26 05 39 00-0053)</small>		
26 05 39 00-0058 EA One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	42.58	7.39
26 05 39 00-0059 EA Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	45.36	7.39
26 05 39 00-0060 EA One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	44.11	7.39
26 05 39 00-0061 EA Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	45.67	7.39
26 05 39 00-0062 Holders And Caps <small>(26 05 39 00-0053)</small>		
26 05 39 00-0063 EA Tile Holder, Underfloor Duct Accessories	281.74	62.12
26 05 39 00-0064 EA Terrazzo Holder, Underfloor Duct Accessories	521.51	62.12
26 05 39 00-0065 EA Closing Caps For Inserts, Underfloor Duct Accessories	3.73	1.48
26 05 39 00-0066 Underfloor Dust Pans <small>(26 05 39 00-0001)</small>		
26 05 39 00-0067 EA Underfloor Dust Carpet Pan.....	116.81	8.11
26 05 43 Underground Ducts and Raceways for Electrical Systems <small>(26 05)</small>		
Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.		
26 05 46 Utility Poles for Electrical Systems <small>(26 05)</small>		
26 05 46 00-0001 Wood Poles <small>(26 05 46)</small>		
26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention <small>(26 05 46 00-0001)</small>		
Note: Machine dig and set.		
26 05 46 00-0003 EA 25' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,087.95	382.92
For Class 1 Pole, Add	112.69	
For Class 2 Pole, Add	64.39	
For Class 4 Pole, Deduct	-32.20	
For Class 5 Pole, Deduct	-96.59	
For Class 6 Pole, Deduct	-128.79	
26 05 46 00-0004 EA 30' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,286.91	424.85
For Class 1 Pole, Add	153.00	
For Class 2 Pole, Add	87.43	
For Class 4 Pole, Deduct	-43.71	
For Class 5 Pole, Deduct	-131.14	
For Class 6 Pole, Deduct	-174.86	
26 05 46 00-0005 EA 35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,673.36	561.91
For Class 1 Pole, Add	192.40	
For Class 2 Pole, Add	109.94	
For Class 4 Pole, Deduct	-54.97	
For Class 5 Pole, Deduct	-164.91	
For Class 6 Pole, Deduct	-219.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0006 EA 40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,903.52	618.02
For Class 1 Pole, Add	233.63	
For Class 2 Pole, Add	133.50	
For Class 4 Pole, Deduct	-66.75	
For Class 5 Pole, Deduct	-200.25	
For Class 6 Pole, Deduct	-267.00	
26 05 46 00-0007 EA 45' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,167.36	688.35
For Class 1 Pole, Add	276.68	
For Class 2 Pole, Add	158.10	
For Class 4 Pole, Deduct	-79.05	
For Class 5 Pole, Deduct	-237.16	
For Class 6 Pole, Deduct	-316.21	
26 05 46 00-0008 EA 50' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,461.19	772.54
For Class 1 Pole, Add	320.66	
For Class 2 Pole, Add	183.23	
For Class 4 Pole, Deduct	-91.62	
For Class 5 Pole, Deduct	-274.85	
For Class 6 Pole, Deduct	-366.47	
26 05 46 00-0009 EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,746.57	849.71
For Class 1 Pole, Add	366.47	
For Class 2 Pole, Add	209.41	
For Class 4 Pole, Deduct	-104.71	
For Class 5 Pole, Deduct	-314.12	
For Class 6 Pole, Deduct	-418.82	
26 05 46 00-0010 EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,062.53	934.39
For Class 1 Pole, Add	417.77	
For Class 2 Pole, Add	238.73	
For Class 4 Pole, Deduct	-119.36	
For Class 5 Pole, Deduct	-358.09	
For Class 6 Pole, Deduct	-477.46	
26 05 46 00-0011 EA 65' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,787.23	1,018.41
For Class 1 Pole, Add	962.62	
For Class 2 Pole, Add	550.07	
For Class 4 Pole, Deduct	-275.04	
For Class 5 Pole, Deduct	-825.11	
For Class 6 Pole, Deduct	-1,100.14	
26 05 46 00-0012 EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,241.52	1,083.35
For Class 1 Pole, Add	1,076.18	
For Class 2 Pole, Add	614.96	
For Class 4 Pole, Deduct	-307.48	
For Class 5 Pole, Deduct	-922.44	
For Class 6 Pole, Deduct	-1,229.92	
26 05 46 00-0013 EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,746.65	1,157.09
For Class 1 Pole, Add	1,201.34	
For Class 2 Pole, Add	686.48	
For Class 4 Pole, Deduct	-343.24	
For Class 5 Pole, Deduct	-1,029.72	
For Class 6 Pole, Deduct	-1,372.96	
26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm (26 05 46 00-0001)		
26 05 46 00-0015 LF Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	32.63	
26 05 46 00-0016 Crossarms (26 05 46)		
Note: Includes hardware and braces.		
26 05 46 00-0017 Wood Single Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0018 EA 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	268.76	114.21
26 05 46 00-0019 EA 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	325.98	114.21
26 05 46 00-0020 EA 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	342.84	146.84
26 05 46 00-0021 Wood Double Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0022 EA 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	695.98	318.16
26 05 46 00-0023 EA 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	740.01	318.16
26 05 46 00-0024 EA 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	771.46	318.16
26 05 46 00-0025 Fiberglass Crossarms (26 05 46 00-0016)		
Note: Includes hardware.		
26 05 46 00-0026 Single Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0027 EA Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	264.02	
26 05 46 00-0028 EA Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	341.06	68.52
26 05 46 00-0029 EA Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB.....	357.38	73.42
26 05 46 00-0030 Two Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0031 EA Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	428.17	88.11
26 05 46 00-0032 Fiberglass Crossarm Accessories (26 05 46 00-0025)		
26 05 46 00-0033 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	720.93	112.58

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0034 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	856.60	137.05
26 05 46 00-0035 EA Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	125.39	19.57
26 05 46 00-0036 EA Three Phase Equipment Mounting Bracket.....	626.89	97.89
26 05 46 00-0037 EA Fiberglass Bull Horn Crossarm.....	506.65	163.15
26 05 46 00-0038 Insulator Support System (26 05 46 00-0016)		
26 05 46 00-0039 Epoxy Construction Units, In Place Mounting (26 05 46 00-0038)		
Note: Includes hardware.		
26 05 46 00-0040 EA 1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	152.32	
26 05 46 00-0041 EA 1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	121.79	
26 05 46 00-0042 EA Deadend Arms, In Place Mounting	330.09	
26 05 46 00-0043 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	238.70	
26 05 46 00-0044 Epoxy Construction Units, Grounding Mounting (26 05 46 00-0038)		
Note: Includes hardware.		
26 05 46 00-0045 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting.....	105.11	
26 05 46 00-0046 EA 1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	90.32	
26 05 46 00-0047 EA Deadend Arms, Grounding Mounting.....	298.62	
26 05 46 00-0048 Guying (26 05 46)		
Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049 Down Guy (26 05 46 00-0048)		
26 05 46 00-0050 EA Down Guy For 25' To 40' Pole	1,112.22	456.83
26 05 46 00-0051 EA Down Guy For 45' To 60' Pole	1,131.16	456.83
26 05 46 00-0052 EA Down Guy For 65' To 75' Pole	1,170.10	456.83
26 05 46 00-0053 EA Guy Guard, Plastic.....	43.31	
26 05 46 00-0054 Head Guy, 50' Spans (26 05 46 00-0048)		
26 05 46 00-0055 EA Head Guy (50' Span), For 25' To 40' Pole	1,611.35	701.57
26 05 46 00-0056 EA Head Guy (50' Span), For 45' To 60' Pole	1,611.35	701.57
26 05 46 00-0057 EA Head Guy (50' Span), For 65' To 75' Pole	1,611.35	701.57
26 05 46 00-0058 Guy Strain Insulators Additional Insulators (26 05 46 00-0048)		
Note: As required at same material cost and labor.		
26 05 46 00-0059 EA Guy Strain Insulator	691.74	342.63
26 05 46 00-0060 Pole Anchor (26 05 46 00-0048)		
Note: Joslyn.		
26 05 46 00-0061 EA Pole Anchor, 4" Helix, 3/4" x 54" Shaft.....	65.91	27.56
26 05 46 00-0062 EA Pole Anchor, 6" Helix, 3/4" x 66" Shaft.....	74.94	27.56
26 05 46 00-0063 EA Pole Anchor, 8" Helix, 1" x 66" Shaft.....	100.49	31.00
26 05 46 00-0064 EA Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	142.07	34.46
26 05 46 00-0065 EA Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft.....	162.40	37.90
26 05 46 00-0066 EA Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	261.43	51.68
26 05 46 00-0067 Insulators (26 05 46)		
26 05 46 00-0068 Pin Insulator With Pin (26 05 46 00-0067)		
26 05 46 00-0069 EA 5 KV Class 55-3, Pin Insulator With Pin.....	219.65	97.89
26 05 46 00-0070 EA 15 KV Class 55-5, Pin Insulator With Pin.....	226.37	97.89
26 05 46 00-0071 Suspension Insulator (26 05 46 00-0067)		
Note: Includes clevis and strain clamp.		
26 05 46 00-0072 EA 5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	279.50	130.52
26 05 46 00-0073 EA 15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	297.75	130.52
26 05 46 00-0074 EA 25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	418.85	163.15
26 05 46 00-0075 EA 50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	665.08	261.04
26 05 46 00-0076 Spool Insulator With Clevis (26 05 46 00-0067)		
26 05 46 00-0077 EA 5 KV Class 53-5, Spool Insulator With Clevis	93.05	40.79
26 05 46 00-0078 EA 15 KV Class, Spool Insulator With Clevis.....	298.74	146.84
26 05 46 00-0079 EA 25 KV Class, Spool Insulator With Clevis.....	387.31	146.84
26 05 46 00-0080 Secondary Rack (26 05 46 00-0067)		
26 05 46 00-0081 EA 1 Spool Secondary Rack.....	184.80	81.57
26 05 46 00-0082 EA 2 Spool Secondary Rack.....	190.71	104.09
26 05 46 00-0083 EA 3 Spool Secondary Rack.....	285.50	138.68
26 05 46 00-0084 EA 4 Spool Secondary Rack.....	320.71	138.68



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0085		Outdoor Load Break Switches <small>(26 05 46)</small> Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0086		7.2 KV Outdoor Load Break Switches <small>(26 05 46 00-0085)</small>		
26 05 46 00-0087	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,036.52	554.73
26 05 46 00-0088	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	9,752.46	554.73
26 05 46 00-0089	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,514.56	938.14
26 05 46 00-0090	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,851.92	938.14
26 05 46 00-0091		14.4 KV Outdoor Load Break Switches <small>(26 05 46 00-0085)</small>		
26 05 46 00-0092	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,121.36	554.73
26 05 46 00-0093	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,493.50	554.73
26 05 46 00-0094	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,514.56	938.14
26 05 46 00-0095	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,851.92	938.14
26 05 46 00-0096		23 KV Outdoor Load Break Switches <small>(26 05 46 00-0085)</small>		
26 05 46 00-0097	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,759.45	644.46
26 05 46 00-0098	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,584.47	644.46
26 05 46 00-0099	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,204.40	1,109.45
26 05 46 00-0100	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,552.82	1,109.45
26 05 46 00-0101		Square Distribution Poles <small>(26 05 46)</small>		
26 05 46 00-0102		Square Steel Tapered Shaft Distribution Poles <small>(26 05 46 00-0101)</small>		
26 05 46 00-0103	EA	20', Steel Taped Shaft Distribution Pole.....	4,037.70	693.40
26 05 46 00-0104	EA	25', Steel Taped Shaft Distribution Pole.....	4,515.81	734.20
26 05 46 00-0105	EA	30', Steel Taped Shaft Distribution Pole.....	4,902.01	815.77
26 05 46 00-0106	EA	35', Steel Taped Shaft Distribution Pole.....	5,423.48	897.35
26 05 46 00-0107	EA	40', Steel Taped Shaft Distribution Pole.....	7,322.82	978.93
26 05 46 00-0108		Square Prestressed Concrete Distribution Poles <small>(26 05 46 00-0101)</small>		
26 05 46 00-0109	EA	30', Prestressed Concrete Square Pole For Distribution.....	5,173.77	1,203.48
26 05 46 00-0110	EA	35', Prestressed Concrete Square Pole For Distribution.....	5,805.90	1,319.94
26 05 46 00-0111	EA	40', Prestressed Concrete Square Pole For Distribution.....	6,783.26	1,475.23
26 05 46 00-0112	EA	45', Prestressed Concrete Square Pole For Distribution.....	7,635.11	1,630.52
26 05 46 00-0113	EA	50', Prestressed Concrete Square Pole For Distribution.....	7,322.48	1,979.91
26 05 46 00-0114	EA	55', Prestressed Concrete Square Pole For Distribution.....	10,759.60	2,329.31
26 05 46 00-0115	EA	60', Prestressed Concrete Square Pole For Distribution.....	12,657.59	2,639.88
26 05 46 00-0116	EA	65', Prestressed Concrete Square Pole For Distribution.....	15,302.49	3,261.03
26 05 46 00-0117	EA	70', Prestressed Concrete Square Pole For Distribution.....	17,118.27	3,571.60
26 05 46 00-0118		Aluminum Tapered Poles <small>(26 05 46)</small>		
26 05 46 00-0119		Aluminum Tapered Round Seamless Shaft Poles <small>(26 05 46 00-0118)</small>		
26 05 46 00-0120	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,332.18	611.83
26 05 46 00-0121	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	4,583.16	652.62
26 05 46 00-0122	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	5,263.27	734.20
26 05 46 00-0123	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	6,216.38	815.77
26 05 46 00-0124	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	9,246.31	897.35
26 05 46 00-0125		Steel Service Poles Distribution <small>(26 05 46)</small> Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0126		Round Tapered Pole <small>(26 05 46 00-0125)</small>		
26 05 46 00-0127	EA	40', Galvanized Steel Tapered Round Pole For Distribution.....	4,748.56	978.93
26 05 46 00-0128	EA	45', Galvanized Steel Tapered Round Pole For Distribution.....	5,473.75	1,060.51
26 05 46 00-0129	EA	50', Galvanized Steel Tapered Round Pole For Distribution.....	5,838.84	1,142.08
26 05 46 00-0130	EA	55', Galvanized Steel Tapered Round Pole For Distribution.....	6,854.59	1,305.24
26 05 46 00-0131	EA	60', Galvanized Steel Tapered Round Pole For Distribution.....	8,396.44	1,468.39
26 05 46 00-0132	EA	65', Galvanized Steel Tapered Round Pole For Distribution.....	9,909.19	1,824.63
26 05 46 00-0133	EA	70', Galvanized Steel Tapered Round Pole For Distribution.....	11,052.85	2,069.98
26 05 46 00-0134	EA	75', Galvanized Steel Tapered Round Pole For Distribution.....	12,231.28	2,329.31
26 05 46 00-0135	EA	80', Galvanized Steel Tapered Round Pole For Distribution.....	13,752.64	2,639.88
26 05 46 00-0136	EA	85', Galvanized Steel Tapered Round Pole For Distribution.....	14,686.93	2,795.17
26 05 46 00-0137	EA	90', Galvanized Steel Tapered Round Pole For Distribution.....	15,980.84	3,105.75
26 05 46 00-0138	EA	95', Galvanized Steel Tapered Round Pole For Distribution.....	17,586.54	3,493.96
26 05 46 00-0139	EA	100', Galvanized Steel Tapered Round Pole For Distribution.....	19,486.66	3,959.83
26 05 46 00-0140		12 Sided Tapered <small>(26 05 46 00-0125)</small>		
26 05 46 00-0141	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,739.55	978.93
26 05 46 00-0142	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	8,529.55	1,060.51
26 05 46 00-0143	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	9,428.19	1,142.08
26 05 46 00-0144	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,387.27	1,305.24

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0145 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution	13,659.12	1,468.39
26 05 46 00-0146 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution	15,204.25	1,824.63
26 05 46 00-0147 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution	17,592.80	2,069.98
26 05 46 00-0148 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,977.38	2,329.31
26 05 46 00-0149 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,490.26	2,639.88
26 05 46 00-0150 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution	21,711.98	2,795.17
26 05 46 00-0151 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution	24,618.59	3,105.75
26 05 46 00-0152 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution	26,200.09	3,493.96
26 05 46 00-0153 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution	28,156.77	3,959.83
26 05 46 00-0154 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution	30,236.16	4,425.69
26 05 46 00-0155 Standard Options For Round, 12 Sided and Octagonal Tapered Poles <small>(26 05 46 00-0125)</small>		
26 05 46 00-0156 EA Ladder Clips.....	23.07	
26 05 46 00-0157 EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	173.10	
26 05 46 00-0158 EA Ground Sleeve-2' At Ground Line.....	174.11	
26 05 46 00-0159 Arms With Baseplates And Endplates <small>(26 05 46 00-0125)</small>		
26 05 46 00-0160 EA 4' Arm With Baseplate And Endplate	877.11	163.15
26 05 46 00-0161 EA 5' Arm With Baseplate And Endplate	951.80	163.15
26 05 46 00-0162 EA 6' Arm With Baseplate And Endplate	1,190.90	244.74
26 05 46 00-0163 EA 7' Arm With Baseplate And Endplate	1,256.23	244.74
26 05 46 00-0164 EA 8' Arm With Baseplate And Endplate	1,492.84	326.31
26 05 46 00-0165 EA 9' Arm With Baseplate And Endplate	1,567.49	326.31
26 05 46 00-0166 EA 10' Arm With Baseplate And Endplate	2,076.10	407.89
26 05 46 00-0167 EA 11' Arm With Baseplate And Endplate	2,159.90	407.89
26 05 46 00-0168 Standard Vangs Load Bearing At Any Angle <small>(26 05 46 00-0125)</small>		
26 05 46 00-0169 EA 15,000 LB Standard Vangs Load Bearing At Any Angle	387.91	163.15
26 05 46 00-0170 EA 30,000 LB Standard Vangs Load Bearing At Any Angle	433.66	163.15
26 05 46 00-0171 EA 45,000 LB Standard Vangs Load Bearing At Any Angle	496.23	163.15
26 05 46 00-0172 Armless Construction Brackets <small>(26 05 46 00-0125)</small>		
26 05 46 00-0173 Verticals Insulator And Equipment Bracket <small>(26 05 46 00-0172)</small>		
26 05 46 00-0174 EA 7" 1 Position Vertical Insulation And Equipment Bracket.....	395.36	163.15
26 05 46 00-0175 EA 12" 1 Position Vertical Insulation And Equipment Bracket	424.25	163.15
26 05 46 00-0176 EA 12" 3 Position Vertical Insulation And Equipment Bracket	471.19	163.15
26 05 46 00-0177 EA 18" 1 Position Vertical Insulation And Equipment Bracket	665.10	244.74
26 05 46 00-0178 EA 18" 3 Position Vertical Insulation And Equipment Bracket	692.51	244.74
26 05 46 00-0179 Horizontal And Multiple Insulator Brackets <small>(26 05 46 00-0172)</small>		
26 05 46 00-0180 EA Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	372.87	163.15
26 05 46 00-0181 EA Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	433.57	163.15
26 05 46 00-0182 EA Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	635.70	244.74
26 05 46 00-0183 EA Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	778.97	244.74
26 05 46 00-0184 EA Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	1,001.77	326.31
26 05 46 00-0185 EA Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	1,077.81	326.31
26 05 46 00-0186 Pole Top Bracket And Pins <small>(26 05 46 00-0172)</small>		
26 05 46 00-0187 EA Pole Top Pin - 5".....	381.68	163.15
26 05 46 00-0188 EA Pole Top Bracket - 5".....	396.42	163.15
26 05 46 00-0189 Angle Pins <small>(26 05 46 00-0172)</small>		
26 05 46 00-0190 EA Angle Pin - 25 Degree, 6"	379.69	163.15
26 05 46 00-0191 EA Angle Pin - 25 Degree, 7 1/4"	427.56	163.15
26 05 46 00-0192 Static And Neutral Wire Brackets <small>(26 05 46 00-0172)</small>		
26 05 46 00-0193 EA Neutral Wire Extension Bracket.....	396.37	163.15
26 05 46 00-0194 EA Static Wire Support Bracket.....	401.39	163.15
26 05 46 00-0195 Cutout, Arrestor And Terminator Brackets <small>(26 05 46 00-0172)</small>		
26 05 46 00-0196 EA Cutout And Arrestor, With Mounting Bracket	360.65	163.15
26 05 46 00-0197 EA Equipment Mounting T Bracket.....	383.12	163.15
26 05 46 00-0198 EA 15 KV Cutout.....	485.99	
26 05 46 00-0199 EA 9/10 KV Arrestor	454.37	163.15
26 05 46 00-0200 Spacer Cable, Conduit Support And Cluster Bracket <small>(26 05 46 00-0172)</small>		
26 05 46 00-0201 EA Parallel Cable Spacer	432.43	163.15
26 05 46 00-0202 EA Conduit Standoff Support Bracket.....	416.40	163.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0203 EA Three Transformer Pole Mounted Cluster Bracket.....	972.36	163.15
26 05 46 00-0204 15 KV, 200 Amperes, Solenoid Operated High Voltage Switch <small>(26 05 46 00-0172)</small>		
<small>Note: Includes pole mounting bracket.</small>		
26 05 46 00-0205 EA 15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	2,208.65	407.89
26 05 46 00-0206 Octagonal Tapered <small>(26 05 46 00-0125)</small>		
26 05 46 00-0207 EA 40', Galvanized Steel Tapered Octagonal Pole For Distribution	7,961.86	978.93
26 05 46 00-0208 EA 45', Galvanized Steel Tapered Octagonal Pole For Distribution	8,776.11	1,060.51
26 05 46 00-0209 EA 50', Galvanized Steel Tapered Octagonal Pole For Distribution	9,703.05	1,142.08
26 05 46 00-0210 EA 55', Galvanized Steel Tapered Octagonal Pole For Distribution	10,686.38	1,386.82
26 05 46 00-0211 EA 60', Galvanized Steel Tapered Octagonal Pole For Distribution	14,071.41	1,468.39
26 05 46 00-0212 EA 65', Galvanized Steel Tapered Octagonal Pole For Distribution	15,648.87	1,824.63
26 05 46 00-0213 EA 70', Galvanized Steel Tapered Octagonal Pole For Distribution	18,110.18	1,941.09
26 05 46 00-0214 EA 75', Galvanized Steel Tapered Octagonal Pole For Distribution	19,529.11	2,329.31
26 05 46 00-0215 EA 80', Galvanized Steel Tapered Octagonal Pole For Distribution	21,074.32	2,484.60
26 05 46 00-0216 EA 85', Galvanized Steel Tapered Octagonal Pole For Distribution	22,330.41	2,795.17
26 05 46 00-0217 EA 90', Galvanized Steel Tapered Octagonal Pole For Distribution	25,323.93	2,950.46
26 05 46 00-0218 EA 95', Galvanized Steel Tapered Octagonal Pole For Distribution	26,941.80	3,493.96
26 05 46 00-0219 EA 100', Galvanized Steel Tapered Octagonal Pole For Distribution	28,934.85	3,726.89
26 05 46 00-0220 EA 105', Galvanized Steel Tapered Octagonal Pole For Distribution	31,054.67	4,192.76
26 05 46 00-0221 Removal And Relocation Of Steel Service Poles <small>(26 05 46 00-0125)</small>		
26 05 46 00-0222 LF Removal And Relocation Of Steel Service Poles With Arms Up To 60'	57.00	
26 05 46 00-0223 Special Steel Bases For Poles <small>(26 05 46 00-0125)</small>		
26 05 46 00-0224 EA Spin-In Steel Base For Poles.....	314.81	
26 05 46 00-0225 EA Series 3, 25' Pole And less	346.80	81.57
26 05 46 00-0226 EA Series 4, 40' Pole And less	412.08	93.81
26 05 46 00-0227 EA Series 5, 50' Pole And less	469.21	101.98
26 05 53 Identification for Electrical Systems <small>(26 05)</small>		
26 05 53 00-0001 Conduit Markers Pressure-Sensitive <small>(26 05 53)</small>		
<small>Note: Stick-on, includes arrow tape.</small>		
26 05 53 00-0002 EA 1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.30	
26 05 53 00-0003 EA 3/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.04	
26 05 53 00-0004 EA 1" Outside Diameter Pressure Sensitive Marker Stick-on.....	17.54	
26 05 53 00-0005 EA 1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	17.83	
26 05 53 00-0006 EA 1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	18.12	
26 05 53 00-0007 EA 2" Outside Diameter Pressure Sensitive Marker Stick-on.....	18.57	
26 05 53 00-0008 EA 2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	21.04	
26 05 53 00-0009 EA 3" Outside Diameter Pressure Sensitive Marker Stick-on.....	21.63	
26 05 53 00-0010 EA 3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	22.07	
26 05 53 00-0011 EA 4" Outside Diameter Pressure Sensitive Marker Stick-on.....	22.53	
26 05 53 00-0012 EA 4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	23.45	
26 05 53 00-0013 EA 5" Outside Diameter Pressure Sensitive Marker Stick-on.....	24.44	
26 05 53 00-0014 EA 6" Outside Diameter Pressure Sensitive Marker Stick-on.....	25.31	
26 05 53 00-0015 EA 7" Outside Diameter Pressure Sensitive Marker Stick-on.....	26.19	
26 05 53 00-0016 EA 8" Outside Diameter Pressure Sensitive Marker Stick-on.....	28.28	
26 05 53 00-0017 EA 10" Outside Diameter Pressure Sensitive Marker Stick-on.....	29.90	
26 05 53 00-0018 Labeling Existing Electrical Wires <small>(26 05 53)</small>		
<small>Note: Self-adhesive vinyl coated white cloth</small>		
26 05 53 00-0019 EA Labeling Existing Wire.....	4.54	
26 05 83 Wiring Connections <small>(26 05)</small>		
26 05 83 00-0001 Tape Wrapped Compression Connectors <small>(26 05 83)</small>		
26 05 83 00-0002 EA #6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	19.28	6.65
26 05 83 00-0003 EA #4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	21.10	7.39
26 05 83 00-0004 EA #2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	22.75	8.13
26 05 83 00-0005 EA 1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	26.22	8.88
26 05 83 00-0006 EA 2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	28.22	9.62
26 05 83 00-0007 EA 3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	31.25	10.35
26 05 83 00-0008 EA 4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	33.48	11.09
26 05 83 00-0009 EA 250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	36.44	11.83
26 05 83 00-0010 EA 300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	40.35	13.31
26 05 83 00-0011 EA 350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	42.35	14.06
26 05 83 00-0012 EA 400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	46.96	14.79
26 05 83 00-0013 EA 500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	51.00	15.53
26 05 83 00-0014 EA 750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	56.94	17.01
26 05 83 00-0015 EA 1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	65.96	19.22

26 Electrical**26 05 Common Work Results for Electrical****26 05 83 Wiring Connections**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0016			One Hole Compression Lugs <small>(26 05 83)</small>		
26 05 83 00-0017	EA		#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	25.39	19.22
26 05 83 00-0018	EA		#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	25.56	19.22
26 05 83 00-0019	EA		#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	28.92	20.71
26 05 83 00-0020	EA		#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	35.68	22.92
26 05 83 00-0021	EA		#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	50.18	29.58
26 05 83 00-0022	EA		#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	58.82	29.58
26 05 83 00-0023	EA		#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	67.68	29.58
26 05 83 00-0024	EA		1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	83.42	44.37
26 05 83 00-0025	EA		2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	97.82	44.37
26 05 83 00-0026	EA		3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	114.48	44.37
26 05 83 00-0027	EA		4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	138.06	59.16
26 05 83 00-0028	EA		250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	163.75	88.74
26 05 83 00-0029	EA		300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	187.31	88.74
26 05 83 00-0030	EA		350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	201.33	88.74
26 05 83 00-0031	EA		400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	219.21	103.53
26 05 83 00-0032	EA		500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	239.64	103.53
26 05 83 00-0033	EA		750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	260.45	118.32
26 05 83 00-0034	EA		1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	305.90	133.11
26 05 83 00-0035			Two Hole Compression Lugs <small>(26 05 83)</small>		
26 05 83 00-0036	EA		#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	51.81	25.15
26 05 83 00-0037	EA		#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	55.60	26.77
26 05 83 00-0038	EA		#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	58.62	26.77
26 05 83 00-0039	EA		#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	67.46	30.77
26 05 83 00-0040	EA		1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	83.18	38.46
26 05 83 00-0041	EA		2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	97.58	45.70
26 05 83 00-0042	EA		3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	114.20	53.54
26 05 83 00-0043	EA		4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	137.74	64.93
26 05 83 00-0044	EA		250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	163.38	77.06
26 05 83 00-0045	EA		300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	186.88	88.00
26 05 83 00-0046	EA		350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	200.89	94.80
26 05 83 00-0047	EA		400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	218.69	102.65
26 05 83 00-0048	EA		500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	239.05	112.11
26 05 83 00-0049	EA		750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	261.14	121.58
26 05 83 00-0050	EA		1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	322.94	147.91
26 05 83 00-0051			Tape Wrapped Split Bolt Connectors <small>(26 05 83)</small>		
26 05 83 00-0052	EA		#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	77.56	59.16
26 05 83 00-0053	EA		#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	85.29	63.60
26 05 83 00-0054	EA		#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	97.21	66.56
26 05 83 00-0055	EA		#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	112.78	73.95
26 05 83 00-0056	EA		1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	133.05	81.35
26 05 83 00-0057	EA		2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	148.90	88.74
26 05 83 00-0058	EA		3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	186.01	96.13
26 05 83 00-0059	EA		4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	199.56	103.53
26 05 83 00-0060	EA		250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	210.28	110.93
26 05 83 00-0061	EA		300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	239.53	122.02
26 05 83 00-0062	EA		350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	268.76	177.48
26 05 83 00-0063	EA		400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	294.25	147.91
26 05 83 00-0064	EA		500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	319.73	199.67
26 05 83 00-0065	EA		750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	354.04	207.07
26 05 83 00-0066	EA		1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	400.21	221.85
26 05 83 00-0067			Cable Termination Lugs Handwrapped, No Stress Cone <small>(26 05 83)</small>		
26 05 83 00-0068	EA		#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	127.23	59.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.06	
26 05 83 00-0069	EA		#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	141.67	59.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.21	
26 05 83 00-0070	EA		1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	196.25	88.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.30	
26 05 83 00-0071	EA		4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	222.97	88.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.89	
26 05 83 00-0072	EA		300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	266.64	110.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.23	
26 05 83 00-0073	EA		500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	372.35	147.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.44	
26 05 83 00-0074			Terminal Blocks <small>(26 05 83)</small>		
			Note: Labor excludes wire termination.		
26 05 83 00-0075	EA		Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	1,289.29	547.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	328.67	
26 05 83 00-0076	EA		#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	324.09	74.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0077 EA #8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	356.89 45.34	74.05
26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection (26 05 83)		
26 05 83 00-0079 EA #8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	51.80	26.77
26 05 83 00-0080 EA #6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	55.60	26.77
26 05 83 00-0081 EA #4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	58.62	26.77
26 05 83 00-0082 EA #2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	67.45	30.77
26 05 83 00-0083 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	83.18	38.46
26 05 83 00-0084 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	97.58	45.70
26 05 83 00-0085 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	114.21	53.54
26 05 83 00-0086 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	137.74	64.93
26 05 83 00-0087 EA 250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	163.38	77.06
26 05 83 00-0088 EA 300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	186.88	88.00
26 05 83 00-0089 EA 350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	200.89	94.80
26 05 83 00-0090 EA 400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	218.69	102.65
26 05 83 00-0091 EA 500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	239.05	112.11
26 05 83 00-0092 EA 750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	239.58	112.11
26 05 83 00-0093 EA #8 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	51.80	26.77
26 05 83 00-0094 EA #6 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	55.60	26.77
26 05 83 00-0095 EA #4 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	58.62	26.77
26 05 83 00-0096 EA #2 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	67.45	30.77
26 05 83 00-0097 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	83.18	38.46
26 05 83 00-0098 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	97.58	45.70
26 05 83 00-0099 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	114.21	53.54
26 05 83 00-0100 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	137.74	64.93
26 05 83 00-0101 EA 250 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	163.38	77.06
26 05 83 00-0102 EA 300 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	186.88	88.00
26 05 83 00-0103 EA 350 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	200.89	94.80
26 05 83 00-0104 EA 400 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	218.69	102.65
26 05 83 00-0105 EA 500 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	239.05	112.11
26 05 83 00-0106 EA 750 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	239.58	112.11
26 05 83 00-0107 Copper Mechanical Lugs (26 05 83)		
26 05 83 00-0108 EA #8 Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.96 11.09	18.48
26 05 83 00-0109 EA #6 Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.21 13.40	22.33
26 05 83 00-0110 EA #4 Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.89 15.53	25.89
26 05 83 00-0111 EA #2 Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.10 19.81	32.98
26 05 83 00-0112 EA 1/0 Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.76 26.63	44.37
26 05 83 00-0113 EA 2/0 Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.35 30.92	51.47
26 05 83 00-0114 EA 3/0 Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.94 35.50	59.16
26 05 83 00-0115 EA 4/0 Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.60 39.81	66.41
26 05 83 00-0116 EA 250 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.48 44.37	73.95
26 05 83 00-0117 EA 300 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.00 48.83	81.35
26 05 83 00-0118 EA 350 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	221.43 53.24	88.74
26 05 83 00-0119 EA 400 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	242.71 57.64	96.13
26 05 83 00-0120 EA 500 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	264.35 62.12	103.53
26 05 83 00-0121 EA 750 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	299.85 70.77	117.88
26 05 83 00-0122 EA 1,000 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	339.30 79.87	133.11
26 05 83 00-0123 Gel Connectors (26 05 83)		
26 05 83 00-0124 EA 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit..... Note: Kit contains connector, gel filled cap and cap clamp. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.01 4.44	
26 05 83 00-0125 EA 4 Port, #14 to 2, Gel Tap Splice Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.30 5.33	
26 05 83 00-0126 Other Connections (26 05 83)		
26 05 83 00-0127 EA #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.61 4.06	6.75
26 05 83 00-0128 EA #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.72 4.06	6.75

26 Electrical**26 05 Common Work Results for Electrical****26 05 83 Wiring Connections**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0129 EA #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.83 4.06	6.75
26 05 83 00-0130 Motor/Equipment Connections And Terminations <small>(26 05 83)</small> Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.		
26 05 83 00-0131 AC Single Phase, 230 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0132 EA <1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	88.55	36.98
26 05 83 00-0133 EA 1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	88.06	36.98
26 05 83 00-0134 EA 3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	103.44	44.37
26 05 83 00-0135 EA 1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	126.70	55.46
26 05 83 00-0136 EA 1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	127.68	55.46
26 05 83 00-0137 EA 2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	127.88	55.46
26 05 83 00-0138 EA 3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	131.11	55.46
26 05 83 00-0139 EA 5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	168.49	73.95
26 05 83 00-0140 EA 7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	172.11	73.95
26 05 83 00-0141 EA 10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	217.20	92.44
26 05 83 00-0142 AC Three Phase, 230 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0143 EA 1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	88.06	36.98
26 05 83 00-0144 EA 3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	103.44	44.37
26 05 83 00-0145 EA 1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	126.70	55.46
26 05 83 00-0146 EA 1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	127.68	55.46
26 05 83 00-0147 EA 2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	127.88	55.46
26 05 83 00-0148 EA 3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	131.11	55.46
26 05 83 00-0149 EA 5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	168.49	73.95
26 05 83 00-0150 EA 7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	172.11	73.95
26 05 83 00-0151 EA 10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	217.20	92.44
26 05 83 00-0152 EA 15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	222.10	92.44
26 05 83 00-0153 EA 20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	278.38	110.93
26 05 83 00-0154 EA 25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	285.84	110.93
26 05 83 00-0155 EA 30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	388.89	147.91
26 05 83 00-0156 EA 40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	487.33	184.87
26 05 83 00-0157 EA 50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	575.60	221.85
26 05 83 00-0158 EA 60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	683.43	258.83
26 05 83 00-0159 EA 75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	785.02	295.81
26 05 83 00-0160 EA 100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	975.15	369.76
26 05 83 00-0161 EA 125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,152.72	440.01
26 05 83 00-0162 EA 150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,362.70	513.22
26 05 83 00-0163 EA 200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,954.31	769.68
26 05 83 00-0164 AC Three Phase, 460 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0165 EA 1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	88.06	36.98
26 05 83 00-0166 EA 3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	103.44	44.37
26 05 83 00-0167 EA 1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	126.70	55.46
26 05 83 00-0168 EA 1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	127.68	55.46
26 05 83 00-0169 EA 2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	127.88	55.46
26 05 83 00-0170 EA 3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	131.11	55.46
26 05 83 00-0171 EA 5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	168.49	73.95
26 05 83 00-0172 EA 7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	172.11	73.95
26 05 83 00-0173 EA 10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	217.20	92.44
26 05 83 00-0174 EA 15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	222.10	92.44
26 05 83 00-0175 EA 20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	278.39	110.93
26 05 83 00-0176 EA 25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	285.83	110.93
26 05 83 00-0177 EA 30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	388.89	147.91
26 05 83 00-0178 EA 40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	487.77	185.18
26 05 83 00-0179 EA 50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	575.60	221.85
26 05 83 00-0180 EA 60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	683.43	258.83
26 05 83 00-0181 EA 75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	785.02	295.81
26 05 83 00-0182 EA 100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	975.15	369.76
26 05 83 00-0183 EA 125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,153.14	440.16
26 05 83 00-0184 EA 150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,363.26	513.52
26 05 83 00-0185 EA 200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,955.59	770.28
26 05 83 00-0186 AC Single Phase, 120 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0187 EA 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	88.55	36.98
26 05 83 00-0188 Motor Moisture Sensor <small>(26 05 83 00-0130)</small>		
26 05 83 00-0189 EA Motor Moisture Sensor Located In Winding	731.85	

26 09 Instrumentation and Control for Electrical Systems (26)



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

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices (26 09)

26 09 23 00-0001 Lighting Contactors <small>(26 09 23)</small> Note: Up to 600 volt.		
26 09 23 00-0002 Electrically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>		
26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0005 EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	535.10	118.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.00	
26 09 23 00-0006 EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	656.52	133.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.87	
26 09 23 00-0007 EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,213.60	207.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	124.24	
26 09 23 00-0008 EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,874.80	281.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.61	
26 09 23 00-0009 EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	3,826.70	369.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.86	
26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0011 EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	604.10	133.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.87	
26 09 23 00-0012 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	720.55	147.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.74	
26 09 23 00-0013 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,318.68	236.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	141.99	
26 09 23 00-0014 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,027.44	310.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	186.36	
26 09 23 00-0015 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	4,111.37	406.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	244.04	
26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0017 EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	708.08	147.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.74	
26 09 23 00-0018 EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	844.43	162.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.62	
26 09 23 00-0019 EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,587.75	266.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.74	
26 09 23 00-0020 EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,413.76	340.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	204.11	
26 09 23 00-0021 EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	5,220.95	443.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	266.23	
26 09 23 00-0022 NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0023 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0024 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	852.37	118.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.00	
26 09 23 00-0025 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,077.17	133.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.87	
26 09 23 00-0026 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,052.42	207.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	124.24	
26 09 23 00-0027 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,066.21	281.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.61	
26 09 23 00-0028 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	5,860.21	369.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.86	
26 09 23 00-0029 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0030 EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	888.21	133.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.87	
26 09 23 00-0031 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,141.20	147.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.74	
26 09 23 00-0032 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,159.96	236.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	141.99	
26 09 23 00-0033 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,218.04	310.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	186.36	
26 09 23 00-0034 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	6,144.07	406.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	244.04	
26 09 23 00-0035 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0022)</small>		
26 09 23 00-0036 EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	961.72	147.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.74	
26 09 23 00-0037 EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,265.07	162.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.62	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0038 EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,756.20	266.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>159.74</i>	
26 09 23 00-0039 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,931.52	340.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>204.11</i>	
26 09 23 00-0040 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	8,155.61	443.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>266.23</i>	
26 09 23 00-0041 Mechanically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>		
26 09 23 00-0042 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0041)</small>		
26 09 23 00-0043 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0044 EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	766.33	118.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>71.00</i>	
26 09 23 00-0045 EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	871.36	133.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>79.87</i>	
26 09 23 00-0046 EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,631.78	207.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>124.24</i>	
26 09 23 00-0047 EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,270.84	281.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>168.61</i>	
26 09 23 00-0048 EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	5,112.40	369.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>221.86</i>	
26 09 23 00-0049 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0050 EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	821.89	133.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>79.87</i>	
26 09 23 00-0051 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	937.02	147.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>88.74</i>	
26 09 23 00-0052 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,739.32	236.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>141.99</i>	
26 09 23 00-0053 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,424.31	310.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>186.36</i>	
26 09 23 00-0054 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	5,745.56	406.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>244.04</i>	
26 09 23 00-0055 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0056 EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	889.12	147.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>88.74</i>	
26 09 23 00-0057 EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,001.04	162.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>97.62</i>	
26 09 23 00-0058 EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,030.53	266.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>159.74</i>	
26 09 23 00-0059 EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,834.40	340.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>204.11</i>	
26 09 23 00-0060 EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	6,916.64	443.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>266.23</i>	
26 09 23 00-0061 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0041)</small>		
26 09 23 00-0062 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0063 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,123.93	118.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>71.00</i>	
26 09 23 00-0064 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,292.00	133.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>79.87</i>	
26 09 23 00-0065 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,473.07	207.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>124.24</i>	
26 09 23 00-0066 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,462.25	281.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>168.61</i>	
26 09 23 00-0067 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	7,144.28	369.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>221.86</i>	
26 09 23 00-0068 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0069 EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,191.14	133.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>79.87</i>	
26 09 23 00-0070 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,357.67	147.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>88.74</i>	
26 09 23 00-0071 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,580.61	236.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>141.99</i>	
26 09 23 00-0072 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,616.54	310.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>186.36</i>	
26 09 23 00-0073 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	7,779.08	406.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>244.04</i>	
26 09 23 00-0074 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0075 EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,262.86 88.74	147.91
26 09 23 00-0076 EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,421.69 97.62	162.69
26 09 23 00-0077 EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,198.98 159.74	266.22
26 09 23 00-0078 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,352.16 204.11	340.18
26 09 23 00-0079 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,791.44 266.23	443.71
26 09 23 00-0080 Combination Lighting Contactors <small>(26 09 23)</small> Note: Up to 600 volt.		
26 09 23 00-0081 Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0080)</small>		
26 09 23 00-0082 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0081)</small>		
26 09 23 00-0083 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0082)</small>		
26 09 23 00-0084 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,450.79 97.62	162.69
26 09 23 00-0085 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,276.99 156.19	260.31
26 09 23 00-0086 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,642.57 204.99	341.66
26 09 23 00-0087 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,573.49 268.44	447.41
26 09 23 00-0088 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0081)</small>		
26 09 23 00-0089 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0088)</small>		
26 09 23 00-0090 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,571.28 97.62	162.69
26 09 23 00-0091 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,003.84 156.19	260.31
26 09 23 00-0092 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,655.95 204.99	341.66
26 09 23 00-0093 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,428.16 268.44	447.41
26 09 23 00-0094 Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0080)</small>		
26 09 23 00-0095 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0094)</small>		
26 09 23 00-0096 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0095)</small>		
26 09 23 00-0097 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,578.71 97.62	162.69
26 09 23 00-0098 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,719.77 156.19	260.31
26 09 23 00-0099 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,061.98 204.99	341.66
26 09 23 00-0100 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,765.31 268.44	447.41
26 09 23 00-0101 NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0094)</small>		
26 09 23 00-0102 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0101)</small>		
26 09 23 00-0103 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,700.42 97.62	162.69

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0104 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch 4,449.08		260.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 156.19		
26 09 23 00-0105 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch 7,076.59		341.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 204.99		
26 09 23 00-0106 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch 11,619.98		447.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 268.44		
26 09 23 00-0107 Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket ^(26 09 23)		
26 09 23 00-0108 EA 105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket 150.58		38.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 23.11		
26 09 23 00-0109 EA 105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket 162.77		38.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 23.11		
26 09 23 00-0110 Dimming Module System (Lutron Grafik Eye) ^(26 09 23)		
26 09 23 00-0111 EA 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2) 1,743.96		147.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 88.74		
26 09 23 00-0112 EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4) 2,235.79		147.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 88.74		
26 09 23 00-0113 EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6) 2,736.39		147.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 88.74		
26 09 23 00-0114 Dimming Module Contol (Leviton) ^(26 09 23)		
26 09 23 00-0115 EA 5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0) 225.57		18.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 11.11		
26 09 23 00-0116 Light Control Panels ^(26 09 23)		
26 09 23 00-0117 Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0116)		
26 09 23 00-0118 Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0117)		
26 09 23 00-0119 EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) 1,841.02		207.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 124.40		
26 09 23 00-0120 EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) 1,740.90		222.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 133.29		
26 09 23 00-0121 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) 1,943.59		222.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 133.29		
26 09 23 00-0122 EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8) 2,850.68		222.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 133.29		
26 09 23 00-0123 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G) 3,088.65		222.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 133.29		
26 09 23 00-0124 EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4) 2,035.96		207.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 124.40		
26 09 23 00-0125 EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8) 2,184.46		222.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 133.29		
26 09 23 00-0126 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G) 2,422.19		222.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 133.29		
26 09 23 00-0127 EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8) 2,945.78		222.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 133.29		
26 09 23 00-0128 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G) 3,183.73		222.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 133.29		
26 09 23 00-0129 Accessories For Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0117)		
26 09 23 00-0130 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2) 187.06		37.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 22.22		
26 09 23 00-0131 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W) 144.54		29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 17.77		
26 09 23 00-0132 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2) 83.39		29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 17.77		
26 09 23 00-0133 Lighting Control Panels (Synergy) ^(26 09 23 00-0118)		
26 09 23 00-0134 Lighting Control Panels (Synergy) ^(26 09 23 00-0133)		
26 09 23 00-0135 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S) 2,762.36		222.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 133.29		
26 09 23 00-0136 Accessories For Lighting Control Panels (Synergy) ^(26 09 23 00-0133)		
26 09 23 00-0137 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL) 670.47		37.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 22.22		
26 09 23 00-0138 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20) 259.88		14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.89		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0139	EA			Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.79 13.33	22.22
26 09 23 00-0140 Lighting Switching Panels (Lutron) (26 09 23 00-0116)						
26 09 23 00-0141 Lighting Switching Panels (Lutron) (26 09 23 00-0140)						
26 09 23 00-0142	EA			8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,264.59 133.29	222.15
26 09 23 00-0143	EA			12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,077.57 142.18	236.97
26 09 23 00-0144	EA			16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,006.40 151.06	251.77
26 09 23 00-0145 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) (26 09 23 00-0116)						
26 09 23 00-0146	EA			6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,538.32 124.40	207.34
26 09 23 00-0147	EA			12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,742.62 124.40	207.34
26 09 23 00-0148	EA			18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,946.92 124.40	207.34
26 09 23 00-0149 Power Filters (26 09 23 00-0116)						
26 09 23 00-0150	EA			600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure.....	38,961.14	1,232.47
26 09 23 00-0151	EA			200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure.....	22,969.41	535.85
26 09 23 00-0152 Signal Filters (26 09 23 00-0116)						
26 09 23 00-0153	EA			0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	18,055.93	1,120.51
26 09 23 00-0154	EA			0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case	12,318.29	684.79
26 09 23 00-0155	EA			0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case.....	6,877.86	397.56
26 09 23 00-0156	EA			5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case.....	9,310.93	397.56
26 09 23 00-0157 Lighting Control Devices (Encelium) (26 09 23)						
26 09 23 00-0158	EA			8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120V) With Polaris 3D™ (Encelium EN-ECU-G4-P3D)..... Note: Excludes GB II cable.	15,529.14	148.11
26 09 23 00-0159	EA			Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	7,129.79	148.11
26 09 23 00-0160	EA			Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT)..... Note: Excludes GB II and Ethernet cable.	3,737.70	148.11
26 09 23 00-0161	EA			Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	15,620.14	148.11
26 09 23 00-0162	EA			Isolated, Wired Luminaire Control Module (Encelium EN-ILCM-1R10V-GB2-BK)..... Note: Excludes GB II cable.	129.43	18.51
26 09 23 00-0163	EA			Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-ILCM-1R10V-GB2-BK/DR)..... Note: Excludes GB II cable.	196.64	18.51
26 09 23 00-0164	EA			Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK)..... Note: Excludes GB II cable.	252.65	37.03
26 09 23 00-0165	EA			Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR)..... Note: Excludes GB II cable.	302.05	37.03
26 09 23 00-0166	EA			Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK)..... Note: Excludes GB II cable.	166.45	37.03
26 09 23 00-0167	EA			Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR)..... Note: Excludes GB II cable.	233.66	37.03
26 09 23 00-0168	EA			16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700)..... Note: Excludes cable.	581.30	74.05
26 09 23 00-0169	EA			Rack Mounted, Wired Power Bar (Encelium PWR-700).....	443.23	74.05
26 09 23 00-0170	EA			Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	790.31	74.05
26 09 23 00-0171	EA			Wall Mounted, 4U Mounting Rack (Encelium RCK-700).....	287.21	74.05
26 09 23 00-0172	EA			4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	882.77	74.05
26 09 23 00-0173	EA			Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	9,082.75	296.20
26 09 23 00-0174	EA			Wired AV Interface (Encelium EN-SW-AVINT)..... Note: Excludes cable.	6,671.36	74.05
26 09 23 00-0175	EA			Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	255.53	18.51
26 09 23 00-0176	EA			3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH)..... Note: Includes white finish. Excludes GB II cable.	310.13	18.51
26 09 23 00-0177	EA			3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH)..... Note: Includes white finish. Excludes GB II cable.	296.96	18.51
26 09 23 00-0178	EA			5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH)..... Note: Includes white finish. Excludes GB II cable.	310.13	18.51
26 09 23 00-0179	EA			6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH)..... Note: Includes white finish. Excludes GB II cable.	296.96	18.51

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0180 EA Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT).....	226.02	18.51
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0181 EA Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT).....	310.13	18.51
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0182 EA 3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT).....	296.96	18.51
Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0183 EA Wired Key Switch Controller (Encelium KSW-300).....	220.70	18.51
Note: Excludes GB II cable.		
26 09 23 00-0184 EA Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH).....	97.83	18.51
Note: Includes white finish.		
26 09 23 00-0185 EA 1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2).....	87.86	37.03
26 09 23 00-0186 EA 1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2).....	88.45	37.03
26 09 23 00-0187 EA 5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2).....	93.10	37.03
26 09 23 00-0188 EA 10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2).....	97.69	37.03
26 09 23 00-0189 EA 15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2).....	103.18	37.03
26 09 23 00-0190 EA 20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2).....	108.12	37.03
26 09 23 00-0191 EA 25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2).....	114.19	37.03
26 09 23 00-0192 EA 50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2).....	141.64	37.03
26 09 23 00-0193 EA 1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2).....	835.60	37.03
26 09 23 00-0194 EA Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2).....	213.38	37.03
26 09 23 00-0195 EA 1,000' Box, Category 5, Network Cable (Encelium NWC-400-B).....	1,074.70	37.03
26 09 23 00-0196 EA Indoor Wired Photo Sensor (Encelium PHS-700).....	648.45	74.05
Note: Excludes GB II cable.		
26 09 23 00-0197 EA Outdoor Wired Photo Sensor (Encelium PHS-800).....	648.45	74.05
Note: Excludes GB II cable.		
26 09 23 00-0198 EA Skylight Wired Photo Sensor (Encelium PHS-900).....	648.45	74.05
Note: Excludes GB II cable.		
26 09 23 00-0199 EA 450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450).....	350.93	74.05
Note: Excludes GB II cable.		
26 09 23 00-0200 EA 1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500).....	340.95	74.05
Note: Excludes GB II cable.		
26 09 23 00-0201 EA 2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00).....	347.60	74.05
Note: Excludes GB II cable.		
26 09 23 00-0202 EA High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY).....	380.85	74.05
Note: Excludes GB II cable.		
26 09 23 00-0203 EA Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG).....	347.60	74.05
Note: Excludes GB II cable.		
26 09 23 00-0204 EA 120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV).....	281.12	74.05
Note: Excludes GB II cable.		
26 09 23 00-0205 EA High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPSEM24V).....	296.31	74.05
Note: Excludes GB II cable.		
26 09 23 00-0206 EA High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSPM24V).....	296.31	74.05
Note: Excludes GB II cable.		
26 09 23 00-0207 EA 360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360).....	169.65	74.05
Note: Excludes GB II cable.		
26 09 23 00-0208 EA Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24).....	355.83	74.05
Note: Excludes GB II cable.		
26 09 23 00-0209 EA Hallway, Wired Occupancy Sensor (Encelium HW-13).....	491.37	74.05
Note: Excludes GB II cable.		
26 09 23 00-0210 EA 500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500).....	434.05	74.05
Note: Excludes GB II cable.		
26 09 23 00-0211 EA 1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000).....	460.65	74.05
Note: Excludes GB II cable.		
26 09 23 00-0212 EA 2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000).....	473.96	74.05
Note: Excludes GB II cable.		
26 09 23 00-0213 EA 1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200).....	430.72	74.05
Note: Excludes GB II cable.		
26 09 23 00-0214 EA 120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV).....	364.24	74.05
Note: Excludes GB II cable.		
26 09 23 00-0215 EA 500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W).....	448.35	74.05
Note: Excludes GB II cable.		
26 09 23 00-0216 EA 1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W).....	444.87	74.05
Note: Excludes GB II cable.		
26 09 23 00-0217 EA 2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W).....	490.24	74.05
Note: Excludes GB II cable.		
26 09 23 00-0218 EA 1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W).....	476.29	74.05
Note: Excludes GB II cable.		
26 09 23 00-0219 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24).....	510.38	74.05
Note: Excludes GB II cable.		
26 09 23 00-0220 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV).....	476.43	74.05
Note: Excludes GB II cable.		
26 09 23 00-0221 EA Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT).....	476.43	74.05
Note: Excludes GB II cable.		
26 09 23 00-0222 EA 10A, 120V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C).....	323.20	74.05
26 09 23 00-0223 EA 10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C).....	344.10	74.05
26 09 23 00-0224 EA 20A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P).....	580.83	74.05
26 09 23 00-0225 EA 20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P).....	619.20	74.05
26 09 23 00-0226 EA 10A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D).....	464.40	74.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0227 EA 10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D).....	482.95	74.05
26 09 23 00-0228 EA 24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2).....	1,360.19	148.11
Note: Excludes GB II cable and enclosure.		
26 09 23 00-0229 EA 24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V)	4,300.77	592.40
Note: Excludes GB II cable.		
26 09 23 00-0230 EA 12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V)	6,170.35	592.40
Note: Excludes GB II cable.		
26 09 23 00-0231 EA 24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V)	8,039.92	592.40
Note: Excludes GB II cable.		
26 09 23 00-0232 EA Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2)	680.10	74.05
Note: Excludes GB II cable.		
26 09 23 00-0233 EA Wired DALI Bridge (Encelium EN-DB-1L-GB2)	775.11	74.05
Note: Excludes GB II cable.		
26 09 23 00-0234 EA Wireless Manager (Encelium EN-WM-ZB-P3D).....	2,048.09	74.05
Note: Includes white finish.		
26 09 23 00-0235 EA Wireless Control Module (Encelium EN-WCM-ZB)	289.38	37.03
26 09 23 00-0236 EA Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR).....	340.05	37.03
26 09 23 00-0237 EA Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK).....	341.31	37.03
26 09 23 00-0238 EA Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR)	353.26	37.03
26 09 23 00-0239 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0240 EA 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0241 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0242 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0243 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0244 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	260.59	18.51
26 09 23 00-0245 EA 315 MHz, Wireless Photocell (Encelium TAP-17C)	566.10	74.05
26 09 23 00-0246 EA 450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	363.44	74.05
26 09 23 00-0247 EA 1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	363.44	74.05
26 09 23 00-0248 EA 1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	414.11	74.05
26 09 23 00-0249 EA 450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	414.11	74.05
26 09 23 00-0250 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0251 EA 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0252 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0253 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0254 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0255 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	260.59	18.51
Note: Includes white finish.		
26 09 23 00-0256 EA 315 MHz, Wireless Photocell (Encelium TAP-17C)	566.10	74.05
26 09 23 00-0257 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	252.36	18.51
26 09 23 00-0258 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	252.36	18.51
26 09 23 00-0259 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	252.36	18.51
26 09 23 00-0260 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	260.59	18.51
26 09 23 00-0261 EA 315 MHz, Wireless Photocell (Encelium TAP-17C)	566.10	74.05
26 09 23 00-0262 EA 450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	363.44	74.05
26 09 23 00-0263 EA 1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	363.44	74.05
26 09 23 00-0264 EA 1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	414.11	74.05
26 09 23 00-0265 EA 450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	414.11	74.05
26 09 23 00-0266 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0267 EA 3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH)	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0268 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0269 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0270 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	252.36	18.51
Note: Includes white finish.		
26 09 23 00-0271 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	260.59	18.51
26 09 23 00-0272 EA 315 MHz, Wireless Photocell (Encelium TAP-17C)	566.10	74.05
26 09 23 00-0273 EA Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB).....	177.24	74.05
26 09 23 00-0274 EA Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit).....	732.76	74.05
26 09 23 00-0275 Lighting Control Sensors <small>(26 09 23)</small>		
26 09 23 00-0276 EA DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	388.36	33.32
26 09 23 00-0277 EA DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	388.36	33.32
26 09 23 00-0278 EA Smart Multi-sensor (LG 9SD131VVDA.ALWB000).....	341.67	33.32
26 09 23 00-0279 EA Zigbee Dongle (LG 9CM2315VD2.AWP01U)	104.67	22.22
26 09 23 00-0280 EA Clip for Performance Troffer (LG BKTTT015122.BUAAWAA).....	9.35	
26 09 23 00-0281 EA Clip for Downlight (BKTC015123.BUAAWAA).....	67.34	
26 09 23 00-0282 EA Clip for Tube (LG BKTTU015121.BUAAWAA).....	12.75	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0283	Radio Controlled Devices (Lutron) <small>(26 09 23)</small>		
26 09 23 00-0284	Tabletop Transmitters For Radio Controlled Devices <small>(26 09 23 00-0283)</small>		
26 09 23 00-0285	Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0284)</small>		
26 09 23 00-0286	EA One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	502.95	22.22
26 09 23 00-0287	EA Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	652.04	22.22
26 09 23 00-0288	EA Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH).....	819.77	22.22
26 09 23 00-0289	Dimmable Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0284)</small>		
26 09 23 00-0290	EA One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH).....	502.95	22.22
26 09 23 00-0291	EA Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	596.13	22.22
26 09 23 00-0292	EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....	819.77	22.22
26 09 23 00-0293	EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	502.95	22.22
26 09 23 00-0294	EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	652.04	22.22
26 09 23 00-0295	EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	819.77	22.22
26 09 23 00-0296	Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0284)</small>		
26 09 23 00-0297	EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH).....	652.04	22.22
26 09 23 00-0298	EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	819.77	22.22
26 09 23 00-0299	EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	819.77	22.22
26 09 23 00-0300	Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0284)</small>		
26 09 23 00-0301	EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH).....	502.95	22.22
26 09 23 00-0302	EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH).....	652.04	22.22
26 09 23 00-0303	EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH).....	596.13	22.22
26 09 23 00-0304	EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....	726.59	22.22
26 09 23 00-0305	EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH).....	652.04	22.22
26 09 23 00-0306	EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH).....	782.50	22.22
26 09 23 00-0307	EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH).....	652.04	22.22
26 09 23 00-0308	Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0284)</small>		
26 09 23 00-0309	EA One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	502.95	22.22
26 09 23 00-0310	EA Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	652.04	22.22
26 09 23 00-0311	EA One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	652.04	22.22
26 09 23 00-0312	EA Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	819.77	22.22
26 09 23 00-0313	EA One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	652.04	22.22
26 09 23 00-0314	EA One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH).....	819.77	22.22
26 09 23 00-0315	Output Switch Closure Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0284)</small>		
26 09 23 00-0316	EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....	502.95	22.22
26 09 23 00-0317	EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH).....	652.04	22.22
26 09 23 00-0318	EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH).....	819.77	22.22
26 09 23 00-0319	Accessories For Tabletop Wireless Transmitter <small>(26 09 23 00-0284)</small>		
26 09 23 00-0320	EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH).....	111.58	22.22
26 09 23 00-0321	Wall Box Transmitters For Radio Controlled Devices <small>(26 09 23 00-0283)</small>		
26 09 23 00-0322	EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH).....	465.68	22.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0323 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	502.95	22.22
26 09 23 00-0324 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH).....	502.95	22.22
26 09 23 00-0325 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	502.95	22.22
26 09 23 00-0326 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	502.95	22.22
26 09 23 00-0327 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	502.95	22.22
26 09 23 00-0328 Interfaces For Radio Controlled Devices <small>(26 09 23 00-0283)</small>		
26 09 23 00-0329 EA Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	465.68	22.22
26 09 23 00-0330 EA Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	465.68	22.22
26 09 23 00-0331 EA Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	465.68	22.22
26 09 23 00-0332 EA Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8).....	939.05	22.22
26 09 23 00-0333 EA RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232).....	1,341.60	22.22
26 09 23 00-0334 EA Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI).....	1,341.60	22.22
26 09 23 00-0335 Fluorescent Controllers For Radio Controlled Devices <small>(26 09 23 00-0283)</small>		
26 09 23 00-0336 EA On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW).....	596.13	22.22
26 09 23 00-0337 EA Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F).....	670.68	22.22
26 09 23 00-0338 EA Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC).....	782.50	22.22
26 09 23 00-0339 AC Motor Group Controllers For Radio Controlled Devices <small>(26 09 23 00-0283)</small>		
26 09 23 00-0340 EA Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC).....	875.68	22.22
26 09 23 00-0341 EA Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC).....	1,201.83	22.22
26 09 23 00-0342 RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®) <small>(26 09 23)</small>		
26 09 23 00-0343 RF Wireless Technology, Switches (Lutron® Maestro Wireless®) <small>(26 09 23 00-0342)</small>		
26 09 23 00-0344 EA 6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS).....	145.02	29.62
26 09 23 00-0345 EA 8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120).....	168.74	29.62
26 09 23 00-0346 EA 8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV).....	257.18	29.62
26 09 23 00-0347 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277).....	105.43	29.62
26 09 23 00-0348 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277).....	126.16	29.62
26 09 23 00-0349 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS).....	114.13	29.62
26 09 23 00-0350 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277).....	135.28	29.62
26 09 23 00-0351 RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®) <small>(26 09 23 00-0342)</small>		
26 09 23 00-0352 EA 600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M).....	139.54	29.62
26 09 23 00-0353 EA 600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV).....	150.49	29.62
26 09 23 00-0354 EA 600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120).....	177.87	29.62
26 09 23 00-0355 EA 1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120).....	192.68	37.03
26 09 23 00-0356 EA 600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120).....	231.71	29.62
26 09 23 00-0357 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R).....	84.33	29.62
26 09 23 00-0358 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277).....	99.39	29.62
26 09 23 00-0359 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD).....	89.82	29.62
26 09 23 00-0360 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277).....	104.87	29.62
26 09 23 00-0361 EA 6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV).....	267.93	51.83
26 09 23 00-0362 Removal And Reinstallation Of Occupancy Sensors <small>(26 09 23)</small>		
26 09 23 00-0363 EA Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor..... Note: Includes storing and cleaning.	99.96	
26 09 23 00-0364 EA Removal And Reinstallation Of Wall Mounted Occupancy Sensor..... Note: Includes storing and cleaning.	66.65	
26 09 23 00-0365 Occupancy Sensors (Watt Stopper) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0366 Occupancy Sensors <small>(26 09 23 00-0365)</small>		
Note: Exclude boxes.		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0367 Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0366)</small>		
26 09 23 00-0368 Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0367)</small>		
26 09 23 00-0369 EA Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100).....	129.76	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0370 EA Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200).....	151.93	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0371 Passive Infrared, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0367)</small>		
26 09 23 00-0372 EA Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100).....	108.32	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0373 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS).....	101.59	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0374 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100).....	114.14	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0375 EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200).....	131.10	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0376 EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD).....	129.70	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0377 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0367)</small>		
26 09 23 00-0378 EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100).....	185.70	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0379 EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200).....	199.73	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0380 Wall Switch Mounted Occupancy Sensor Accessories <small>(26 09 23 00-0367)</small>		
26 09 23 00-0381 EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	8.74	3.70
26 09 23 00-0382 EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	9.86	3.70
26 09 23 00-0383 EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	9.86	3.70
26 09 23 00-0384 Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0366)</small>		
26 09 23 00-0385 Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0384)</small>		
26 09 23 00-0386 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0385)</small>		
26 09 23 00-0387 EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A).....	177.65	33.32
26 09 23 00-0388 EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	201.77	33.32
26 09 23 00-0389 EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	226.07	33.32
26 09 23 00-0390 EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H).....	223.88	33.32
26 09 23 00-0391 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0385)</small>		
26 09 23 00-0392 EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605).....	191.93	33.32
26 09 23 00-0393 EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....	216.39	33.32
26 09 23 00-0394 EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....	239.56	33.32
26 09 23 00-0395 EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	243.48	33.32
26 09 23 00-0396 EA 600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	206.55	33.32
26 09 23 00-0397 EA 1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	231.62	33.32
26 09 23 00-0398 EA 2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	256.60	33.32
26 09 23 00-0399 EA 90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	263.79	33.32
26 09 23 00-0400 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0385)</small>		
26 09 23 00-0401 EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	199.00	33.32
26 09 23 00-0402 EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	228.23	33.32
26 09 23 00-0403 EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	252.69	33.32
26 09 23 00-0404 EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	188.23	33.32
26 09 23 00-0405 EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	225.07	33.32
26 09 23 00-0406 EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	236.99	33.32
26 09 23 00-0407 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	200.52	33.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0408 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	221.72	33.32
26 09 23 00-0409 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	247.91	33.32
26 09 23 00-0410 Passive Infrared, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0384)</small>		
26 09 23 00-0411 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	149.50	33.32
26 09 23 00-0412 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	152.35	33.32
26 09 23 00-0413 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	159.10	33.32
26 09 23 00-0414 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	177.20	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0415 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	179.39	33.32
26 09 23 00-0416 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	188.86	33.32
26 09 23 00-0417 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	204.02	33.32
26 09 23 00-0418 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0384)</small>		
26 09 23 00-0419 EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	239.35	33.32
26 09 23 00-0420 EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	271.43	33.32
26 09 23 00-0421 EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	232.55	33.32
26 09 23 00-0422 Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0366)</small>		
26 09 23 00-0423 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0422)</small>		
26 09 23 00-0424 EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	290.65	33.32
26 09 23 00-0425 EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	290.65	33.32
26 09 23 00-0426 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0422)</small>		
26 09 23 00-0427 EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	271.43	33.32
26 09 23 00-0428 Occupancy Sensor Power Packs <small>(26 09 23 00-0365)</small>		
26 09 23 00-0429 Single Voltage, Occupancy Sensor Power Packs <small>(26 09 23 00-0428)</small>		
26 09 23 00-0430 EA 220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	104.08	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0431 EA 347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	95.94	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0432 Auxiliary, Occupancy Sensor Power Packs <small>(26 09 23 00-0428)</small>		
26 09 23 00-0433 EA 120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	89.23	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0434 Universal Voltage, Power Packs For Occupancy Sensors <small>(26 09 23 00-0428)</small>		
26 09 23 00-0435 EA 120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	113.79	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0436 Form C, Occupancy Sensor Power Packs <small>(26 09 23 00-0428)</small>		
26 09 23 00-0437 EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	104.46	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0438 EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	104.53	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0439 Two Relay, Occupancy Sensor Power Packs <small>(26 09 23 00-0428)</small>		
26 09 23 00-0440 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	128.07	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0441 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P).....	129.68	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0442 Occupancy Sensor Power Supplies <small>(26 09 23 00-0428)</small>		
26 09 23 00-0443 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150).....	122.10	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0444 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277).....	247.44	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0445 Intelligent, Occupancy Sensor Power Packs <small>(26 09 23 00-0428)</small>		
26 09 23 00-0446 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	323.15	29.62
26 09 23 00-0447 DIN Rail Mounted, Occupancy Sensor Power Packs <small>(26 09 23 00-0428)</small>		
26 09 23 00-0448 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	112.86	29.62
26 09 23 00-0449 Occupancy Sensor Accessories <small>(26 09 23 00-0365)</small>		
26 09 23 00-0450 Protective Cages For Occupancy Sensors <small>(26 09 23 00-0449)</small>		
26 09 23 00-0451 EA Protective Cage For Occupancy Sensors (Watt Stopper WC).....	62.22	11.10
26 09 23 00-0452 Mounting Brackets For Occupancy Sensors <small>(26 09 23 00-0449)</small>		
26 09 23 00-0453 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB)..... Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	53.00	18.51
26 09 23 00-0454 Occupancy/Lighting Logger <small>(26 09 23 00-0449)</small>		
Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0455 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	453.23	62.94
26 09 23 00-0456 Digital Time Light Switches <small>(26 09 23 00-0365)</small>		
26 09 23 00-0457 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	98.42	14.81
26 09 23 00-0458 Occupancy Sensors (Sensor Switch) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0459 Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0458)</small>		
Note: Exclude boxes		
26 09 23 00-0460 Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0459)</small>		
26 09 23 00-0461 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0460)</small>		
26 09 23 00-0462 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	215.99	14.81
26 09 23 00-0463 EA Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL).....	153.86	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0464 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD).....	147.03	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0465 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	147.03	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0466 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P).....	184.93	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0467 EA Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	184.93	14.81
26 09 23 00-0468 EA 2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	223.77	14.81
26 09 23 00-0469 EA Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	184.93	14.81
26 09 23 00-0470 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0460)</small>		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0471 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	278.11	14.81
26 09 23 00-0472 EA Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	215.99	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0473 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT).....	211.34	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0474 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	211.34	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0475 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P).....	247.05	14.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 09 23 00-0476 EA Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	247.05	14.81
26 09 23 00-0477 EA 2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	265.69	14.81
26 09 23 00-0478 Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) <small>(26 09 23 00-0460)</small>		
26 09 23 00-0479 EA One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	19.82	3.70
26 09 23 00-0480 EA One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	19.82	3.70
26 09 23 00-0481 EA Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3).....	38.46	3.70
26 09 23 00-0482 EA Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	38.46	3.70
26 09 23 00-0483 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0459)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0484				Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) ^(26 09) <small>23 00-0483</small>		
				Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0485	EA			Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	253.02	33.32
26 09 23 00-0486	EA			Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	253.02	33.32
26 09 23 00-0487	EA			Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	253.02	33.32
26 09 23 00-0488	EA			Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	268.55	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0489	EA			Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	268.55	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0490	EA			Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	218.85	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0491	EA			2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	330.67	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0492	EA			2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	330.67	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0493	EA			2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	280.97	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0494	EA			Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	253.02	33.32
26 09 23 00-0495	EA			Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	253.02	33.32
26 09 23 00-0496	EA			Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	253.02	33.32
26 09 23 00-0497	EA			Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	268.55	33.32
26 09 23 00-0498	EA			Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	268.55	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0499	EA			Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	218.85	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0500	EA			2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	330.67	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0501	EA			2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	330.67	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0502	EA			2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	280.97	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0503				Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) ⁽²⁶⁾ <small>09 23 00-0483</small>		
				Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0504	EA			Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	315.14	33.32
26 09 23 00-0505	EA			Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	315.14	33.32
26 09 23 00-0506	EA			Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	315.14	33.32
26 09 23 00-0507	EA			Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	299.61	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0508	EA			Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	299.61	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0509	EA			Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	249.91	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0510	EA			2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	361.73	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0511	EA			2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	361.73	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0512	EA			2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	312.03	33.32
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0513	EA			Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	315.14	33.32
26 09 23 00-0514	EA			Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	315.14	33.32

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0515 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	315.14	33.32
26 09 23 00-0516 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	299.61	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0517 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	299.61	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0518 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	249.91	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0519 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	361.73	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0520 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	361.73	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0521 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	312.03	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0522 Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0459)		
26 09 23 00-0523 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0522)		
26 09 23 00-0524 EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	253.02	33.32
26 09 23 00-0525 EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	284.08	33.32
26 09 23 00-0526 EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	346.20	33.32
26 09 23 00-0527 EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	330.67	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0528 EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	392.79	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0529 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0522)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0530 EA Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	315.14	33.32
26 09 23 00-0531 EA Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	361.73	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0532 EA 2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	423.85	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0533 High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0459)		
26 09 23 00-0534 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0533)		
26 09 23 00-0535 EA Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	253.02	33.32
26 09 23 00-0536 EA Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	253.02	33.32
26 09 23 00-0537 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	253.02	33.32
26 09 23 00-0538 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	218.85	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0539 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	218.85	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0540 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	218.85	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0541 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	280.97	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0542 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	280.97	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0543 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	280.97	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0544 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	240.59	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0545 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	240.59	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0546 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	240.59	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0547 EA 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	240.59	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0548 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	240.59	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0549 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	240.59	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0550 EA Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	284.08	33.32
26 09 23 00-0551 EA Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	284.08	33.32
26 09 23 00-0552 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	284.08	33.32
26 09 23 00-0553 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	343.10	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0554 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	343.10	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0555 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	343.10	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0556 EA 2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	302.72	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0557 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	302.72	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0558 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	256.12	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0559 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	256.12	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0560 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	256.12	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0561 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	256.12	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0562 EA Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	284.08	33.32
26 09 23 00-0563 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	284.08	33.32
26 09 23 00-0564 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	343.10	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0565 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	343.10	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0566 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	330.67	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0567 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	299.61	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0568 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	299.61	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0569 Occupancy Sensor Power Packs (Sensor Switch) <small>(26 09 23 00-0458)</small>		
26 09 23 00-0570 EA Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	146.21	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0571 EA 2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	208.33	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0572 EA Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	115.15	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0573 EA 2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	105.83	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0574 EA 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	136.89	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0575 EA 120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	214.55	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0576 EA 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	214.55	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0577 EA 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM).....	214.55	29.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.77	
26 09 23 00-0578 Daylighting Control (Sensor Switch) (26 09 23 00-0458)		
26 09 23 00-0579 EA Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	221.96	33.32
26 09 23 00-0580 EA Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	221.96	33.32
26 09 23 00-0581 EA Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	221.96	33.32
26 09 23 00-0582 EA Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	221.96	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0583 EA Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	221.96	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0584 EA Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	221.96	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0585 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	221.96	33.32
26 09 23 00-0586 EA Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	221.96	33.32
26 09 23 00-0587 EA Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	221.96	33.32
26 09 23 00-0588 EA Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	221.96	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0589 EA Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	221.96	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0590 EA Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	221.96	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0591 EA Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	315.14	33.32
26 09 23 00-0592 EA Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	315.14	33.32
26 09 23 00-0593 EA Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	315.14	33.32
26 09 23 00-0594 EA Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	315.14	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0595 EA Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	315.14	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0596 EA Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	315.14	33.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.00	
26 09 23 00-0597 Occupancy Sensors (Sensor Switch nLight®) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0598 Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0597)		
Note: Excludes boxes.		
26 09 23 00-0599 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0598)		
26 09 23 00-0600 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0599)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0601 EA Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	332.88	14.81
26 09 23 00-0602 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0598)		
26 09 23 00-0603 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0602)		
Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0604 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	399.89	33.32
26 09 23 00-0605 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	399.89	33.32
26 09 23 00-0606 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	399.89	33.32
26 09 23 00-0607 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0602)		
Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0608 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	466.54	33.32
26 09 23 00-0609 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	466.54	33.32
26 09 23 00-0610 EA 2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	483.18	33.32
26 09 23 00-0611 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0598)		
26 09 23 00-0612 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0611)		
Note: Includes passive infrared and microphonics detection		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 09 23 00-0613	EA		Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	466.54	33.32
	26 09 23 00-0614			High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0598)		
	26 09 23 00-0615			Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0614)		
	26 09 23 00-0616	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	399.89	33.32
	26 09 23 00-0617			Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0597)		
	26 09 23 00-0618	EA		150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	142.55	29.62
	26 09 23 00-0619	EA		250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	175.90	29.62
	26 09 23 00-0620	EA		30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	232.53	29.62
	26 09 23 00-0621	EA		System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	232.53	29.62
	26 09 23 00-0622			Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0597)		
	26 09 23 00-0623	EA		RS232 AV Integrator (Sensor Switch nLight® nIO X).....	483.18	33.32
	26 09 23 00-0624	EA		8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	391.35	33.32
	26 09 23 00-0625			Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0597)		
	26 09 23 00-0626	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	333.25	33.32
	26 09 23 00-0627			Controls (Sensor Switch nLight®) (26 09 23 00-0597)		
	26 09 23 00-0628	EA		On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	223.28	33.32
	26 09 23 00-0629	EA		1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	316.61	33.32
	26 09 23 00-0630	EA		On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	716.48	33.32
	26 09 23 00-0631	EA		3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	716.48	33.32
	26 09 23 00-0632	EA		3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	2,649.29	33.32
	26 09 23 00-0633			Occupancy Sensors (Lutron) (26 09 23)		
				Note: Includes testing of new devices and certification.		
	26 09 23 00-0634			Wireless Occupancy Sensors (26 09 23 00-0633)		
	26 09 23 00-0635	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	169.19	33.32
	26 09 23 00-0636	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	176.08	33.32
	26 09 23 00-0637	EA		Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH).....	170.82	33.32
	26 09 23 00-0638	EA		Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	179.93	33.32
	26 09 23 00-0639	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH).....	172.86	33.32
	26 09 23 00-0640	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	179.93	33.32
	26 09 23 00-0641	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH).....	169.19	33.32
	26 09 23 00-0642	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	172.86	33.32
	26 09 23 00-0643	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V).....	170.82	33.32
	26 09 23 00-0644	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	256.63	33.32
	26 09 23 00-0645	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	272.97	33.32
	26 09 23 00-0646	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	309.74	33.32
	26 09 23 00-0647	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	326.09	33.32
	26 09 23 00-0648	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	334.26	33.32
	26 09 23 00-0649	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	350.60	33.32
	26 09 23 00-0650	EA		Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	205.14	33.32
	26 09 23 00-0651	EA		Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH).....	215.77	33.32
	26 09 23 00-0652	EA		Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	250.50	33.32
	26 09 23 00-0653	EA		Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH).....	277.06	33.32
	26 09 23 00-0654	EA		Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH).....	297.49	33.32
	26 09 23 00-0655	EA		Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	258.67	33.32
	26 09 23 00-0656	EA		Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH).....	238.83	33.32
	26 09 23 00-0657	EA		Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH).....	201.90	33.32
	26 09 23 00-0658	EA		Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH).....	245.44	33.32

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0659 EA Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	295.16	33.32
26 09 23 00-0660 EA Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	312.47	33.32
26 09 23 00-0661 EA Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	312.47	33.32
26 09 23 00-0662 EA Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	312.47	33.32
26 09 23 00-0663 EA Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	328.32	33.32
26 09 23 00-0664 EA Wireless, Two Switches and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	530.22	48.13
26 09 23 00-0665 Nodes And Modules <small>(26 09 23 00-0633)</small>		
26 09 23 00-0666 EA 0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	266.84	33.32
26 09 23 00-0667 EA 0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	266.84	33.32
26 09 23 00-0668 EA 4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	334.26	33.32
26 09 23 00-0669 EA 4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	334.26	33.32
26 09 23 00-0670 EA 120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	425.42	37.03
26 09 23 00-0671 EA 120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	425.42	37.03
26 09 23 00-0672 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	513.27	37.03
26 09 23 00-0673 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	525.53	37.03
26 09 23 00-0674 EA 120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	646.07	37.03
26 09 23 00-0675 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	684.88	37.03
26 09 23 00-0676 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	723.70	37.03
26 09 23 00-0677 EA 1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	1,941.84	59.24
26 09 23 00-0678 EA 2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	1,910.69	66.65
26 09 23 00-0679 EA 3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	2,793.78	74.05
26 09 23 00-0680 Other Accessories <small>(26 09 23 00-0633)</small>		
26 09 23 00-0681 EA Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	47.41	
26 09 23 00-0682 EA Pico® Wireless Control (Lutron® PJ)	53.39	
26 09 23 00-0683 EA 4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	157.80	
26 09 23 00-0684 EA 8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	298.76	
26 09 23 00-0685 EA 4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	322.47	33.32
26 09 23 00-0686 EA seeTouch® QS Wallstation (Lutron® QSWS2)	405.27	33.32
26 09 23 00-0687 EA seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	405.27	33.32
26 09 23 00-0688 EA 120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	658.32	37.03
26 09 23 00-0689 EA 120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	897.35	37.03
26 09 23 00-0690 EA Control Interface (Lutron® QSE-CI-NWK-E)	1,075.86	33.32
26 09 23 00-0691 EA 1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	1,067.71	33.32
26 09 23 00-0692 EA 2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	1,425.23	33.32
26 09 23 00-0693 MLF 5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	2,683.52	1,035.33
26 09 23 00-0694 MLF 5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	3,500.71	1,035.33
26 09 23 00-0695 Fixture Mounted Occupancy Sensors (Leviton) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0696 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	162.65	33.32
26 09 23 00-0697 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W)	143.85	33.32
26 09 23 00-0698 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	178.18	33.32
26 09 23 00-0699 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	143.85	33.32
26 09 23 00-0700 EA 120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	224.36	14.79
26 09 23 00-0701 Wireless Enabled Communication Devices For Streetlights <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0702 Wireless Enabled Communication Nodes For Streetlights (Roam®) <small>(26 09 23 00-0701)</small>		
26 09 23 00-0703 EA 120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	340.87	
26 09 23 00-0704 EA 480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	474.17	
26 09 23 00-0705 Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0701)</small>		
26 09 23 00-0706 EA Retrofit Receptacle Kit (Roam® DUR103)	64.29	
Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0707 EA Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	13,493.52	81.88
26 09 23 00-0708 Counter Mounted Consoles <small>(26 09 23)</small>		
26 09 23 00-0709 EA 20" x 24" Type 12, Oil Tight Consoles, Counter Mounted (Schaefer's SPCL-20C24)	725.89	184.87
26 09 23 00-0710 Lighting Console And Stations <small>(26 09 23)</small>		
26 09 23 00-0711 EA 80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40)	4,825.70	184.87
For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add		103.04
For Lighting Console Case (ETC ColorSourcePart 11866), Add		1,098.66
26 09 23 00-0712 EA 10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2)	3,326.95	110.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0713 Theatre Lighting Console <small>(26 09 23)</small>		
26 09 23 00-0714 EA Theatre Lighting Console (ETC Colorsource 20).....	3,498.16	221.85
26 09 23 00-0715 Emergency Lighting Controls <small>(26 09 23)</small>		
26 09 23 00-0716 Emergency Lighting Control Units (Watt Stopper ELCU) <small>(26 09 23 00-0715)</small>		
<small>Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.</small>		
26 09 23 00-0717 EA DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100).....	228.57	37.03
26 09 23 00-0718 EA 1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200).....	228.57	37.03
26 09 23 00-0719 Emergency Shunt Relays (Lighting Control & Design GR 2001™) <small>(26 09 23 00-0715)</small>		
<small>Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.</small>		
26 09 23 00-0720 EA 1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	404.71	51.83
26 09 23 00-0721 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	548.39	59.24
26 09 23 00-0722 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	735.34	66.65
<small>Note: Controls normal and emergency lighting from single-pole wall switch.</small>		
26 09 23 00-0723 Photocells <small>(26 09 23)</small>		
26 09 23 00-0724 EA Plug-In Photocell For Lighting Fixtures (Intermac® LC2000).....	107.73	
26 09 23 00-0725 EA Wired Photocell For Lighting Fixtures (Intermac® K4021C).....	258.02	
26 09 23 00-0726 Outdoor Lighting Motion Sensors <small>(26 09 23)</small>		
26 09 23 00-0727 EA 70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000).....	138.73	37.03
26 09 23 00-0728 EA 70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000).....	150.45	37.03
26 09 23 00-0729 EA 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR).....	585.81	37.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		22.22
26 09 23 00-0730 Street Light Controls <small>(26 09 23)</small>		
26 09 23 00-0731 Photo Controls <small>(26 09 23 00-0730)</small>		
26 09 23 00-0732 EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014.....	112.07	
26 09 23 00-0733 EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	126.13	
26 09 23 00-0734 Connector Node <small>(26 09 23 00-0730)</small>		
26 09 23 00-0735 EA Outdoor Lighting Connector Node (Philips City Touch LLC7260).....	528.06	3.09

26 10 Medium-Voltage Electrical Distribution (26)

26 11 Substations (26 10)

26 11 13 Primary Unit Substations (26 11)

26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section (26 11 13)

26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard" (26 11 13 00-0001)

<small>Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment</small>		
26 11 13 00-0003 EA 14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	57,028.25	2,538.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		1,549.20
26 11 13 00-0004 EA 23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	69,988.71	3,210.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		1,936.50
26 11 13 00-0005 EA 34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	79,064.95	3,210.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		1,936.50
26 11 13 00-0006 EA 46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	90,776.36	3,210.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2,065.60
26 11 13 00-0007 EA 69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	103,021.11	3,957.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2,383.39

26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers (26 11 13 00-0001)

26 11 13 00-0009 EA Reclosure Relay, Adjustable, 3 Shot, #179.....	1,669.01	270.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		160.04
26 11 13 00-0010 EA Overcurrent Relay, 1 Phase, #511/51N.....	578.53	195.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		106.74

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0011 EA Directional Overcurrent Relay, Three-Phase, Device No. 67	842.95	195.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	133.00	
26 11 13 00-0012 EA Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	668.06	195.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.74	
26 11 13 00-0013 EA Differential Relay Package, Complete, Device No. 87	2,499.65	662.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	399.84	
26 11 13 00-0014 "Switchyard", Substation Transformer Section <small>(26 11 13)</small>		
Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		
26 11 13 00-0015 14.4 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0016 EA 1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	33,414.95	2,538.45
For 50 Hz Operation, Add	3,390.11	
For Forced Air Cooling, Add	3,390.11	
For External Control Panel, Add	847.53	
For Internally Mounted Current Transformers And Linear Couplers, Add	282.51	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,412.55	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,531.37	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,237.64	
26 11 13 00-0017 EA 2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	38,349.13	3,180.53
For 50 Hz Operation, Add	3,827.30	
For Forced Air Cooling, Add	3,827.30	
For External Control Panel, Add	956.82	
For Internally Mounted Current Transformers And Linear Couplers, Add	318.94	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,594.71	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,986.77	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,784.12	
26 11 13 00-0018 EA 5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	58,809.27	4,479.62
For 50 Hz Operation, Add	5,955.46	
For Forced Air Cooling, Add	5,955.46	
For External Control Panel, Add	1,488.86	
For Internally Mounted Current Transformers And Linear Couplers, Add	496.29	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,481.44	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,203.60	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,444.32	
26 11 13 00-0019 EA 7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	84,569.45	5,279.77
For 50 Hz Operation, Add	8,781.81	
For Forced Air Cooling, Add	8,781.81	
For External Control Panel, Add	2,195.45	
For Internally Mounted Current Transformers And Linear Couplers, Add	731.82	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,659.09	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,147.72	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,977.26	
26 11 13 00-0020 EA 10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	104,239.84	6,832.64
For 50 Hz Operation, Add	10,800.62	
For Forced Air Cooling, Add	10,800.62	
For External Control Panel, Add	2,700.16	
For Internally Mounted Current Transformers And Linear Couplers, Add	900.05	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,500.26	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,250.65	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,500.78	
26 11 13 00-0021 23 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0022 EA 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	37,531.75	3,434.37
For 50 Hz Operation, Add	3,729.21	
For External Control Panel, Add	932.30	
For Internally Mounted Current Transformers And Linear Couplers, Add	310.77	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,553.84	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,884.59	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,661.51	
For Forced Air Cooling, Add	2,486.14	
26 11 13 00-0023 EA 2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	42,960.50	3,434.37
For 50 Hz Operation, Add	4,219.89	
For External Control Panel, Add	1,054.97	
For Internally Mounted Current Transformers And Linear Couplers, Add	351.66	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,758.29	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,395.72	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,274.87	
For Forced Air Cooling, Add	2,813.26	
26 11 13 00-0024 EA 5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	68,368.54	5,076.90
For 50 Hz Operation, Add	6,964.86	
For External Control Panel, Add	1,741.22	
For Internally Mounted Current Transformers And Linear Couplers, Add	580.41	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,902.03	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,255.07	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,706.08	
For Forced Air Cooling, Add	4,643.24	



Electrical	26	26
Medium-Voltage Electrical Distribution	26 10	
Substations	26 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0025 EA 7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	91,622.28	6,832.64
For 50 Hz Operation, Add	9,286.51	
For External Control Panel, Add	2,321.63	
For Internally Mounted Current Transformers And Linear Couplers, Add	773.88	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,869.38	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,673.45	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,608.14	
For Forced Air Cooling, Add	6,191.01	
26 11 13 00-0026 EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	112,651.56	6,832.64
For 50 Hz Operation, Add	11,810.03	
For External Control Panel, Add	2,952.51	
For Internally Mounted Current Transformers And Linear Couplers, Add	984.17	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,920.85	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,302.11	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,762.54	
For Forced Air Cooling, Add	7,873.35	
26 11 13 00-0027 34.5 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0028 EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	47,049.52	4,106.32
For 50 Hz Operation, Add	4,710.58	
For External Control Panel, Add	1,177.64	
For Internally Mounted Current Transformers And Linear Couplers, Add	392.55	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,962.74	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,906.85	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,888.22	
For Forced Air Cooling, Add	3,140.38	
26 11 13 00-0029 EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	56,821.95	6,420.78
For 50 Hz Operation, Add	5,691.94	
For External Control Panel, Add	1,422.99	
For Internally Mounted Current Transformers And Linear Couplers, Add	474.33	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,371.64	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,929.11	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,114.93	
For Forced Air Cooling, Add	3,794.63	
26 11 13 00-0030 EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	78,521.51	6,420.78
For 50 Hz Operation, Add	7,873.38	
For External Control Panel, Add	1,968.35	
For Internally Mounted Current Transformers And Linear Couplers, Add	656.12	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,280.58	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,201.44	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,841.73	
For Forced Air Cooling, Add	5,248.92	
26 11 13 00-0031 EA 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	100,033.94	6,677.35
For 50 Hz Operation, Add	10,295.91	
For External Control Panel, Add	2,573.98	
For Internally Mounted Current Transformers And Linear Couplers, Add	857.99	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,289.96	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,724.91	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,869.89	
For Forced Air Cooling, Add	6,863.94	
26 11 13 00-0032 EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	171,313.41	8,540.79
For 50 Hz Operation, Add	18,371.16	
For External Control Panel, Add	4,592.79	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,530.93	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,654.65	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	19,136.63	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,963.95	
For Forced Air Cooling, Add	12,247.44	
26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0034 EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	71,487.79	4,778.26
For 50 Hz Operation, Add	7,451.84	
For External Control Panel, Add	1,862.96	
For Internally Mounted Current Transformers And Linear Couplers, Add	620.99	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,104.94	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,762.34	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,314.81	
For Forced Air Cooling, Add	4,967.90	
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	80,730.27	4,778.26
For 50 Hz Operation, Add	8,448.27	
For External Control Panel, Add	2,112.07	
For Internally Mounted Current Transformers And Linear Couplers, Add	704.02	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,520.11	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,800.28	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,560.34	
For Forced Air Cooling, Add	5,632.18	
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	111,470.19	6,420.78
For 50 Hz Operation, Add	11,827.22	
For External Control Panel, Add	2,956.81	
For Internally Mounted Current Transformers And Linear Couplers, Add	985.60	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,928.01	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,320.02	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,784.03	
For Forced Air Cooling, Add	7,884.82	

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	136,652.01	8,540.79
For 50 Hz Operation, Add	14,211.80	
For External Control Panel, Add	3,552.95	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,184.32	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,921.58	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	14,803.95	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	17,764.74	
For Forced Air Cooling, Add	9,474.53	
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	192,394.79	8,540.79
For 50 Hz Operation, Add	20,900.93	
For External Control Panel, Add	5,225.23	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,741.74	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	8,708.72	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	21,771.80	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	26,126.16	
For Forced Air Cooling, Add	13,933.95	
26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	102,082.26	5,076.90
For 50 Hz Operation, Add	11,010.51	
For External Control Panel, Add	2,752.63	
For Internally Mounted Current Transformers And Linear Couplers, Add	917.54	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,587.71	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,469.28	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,763.14	
For Forced Air Cooling, Add	7,340.34	
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	117,515.88	6,420.78
For 50 Hz Operation, Add	12,552.71	
For External Control Panel, Add	3,138.18	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,046.06	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,230.29	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,075.74	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	15,690.88	
For Forced Air Cooling, Add	8,368.47	
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	160,252.75	6,420.78
For 50 Hz Operation, Add	17,681.13	
For External Control Panel, Add	4,420.28	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,473.43	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,367.14	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	18,417.84	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,101.41	
For Forced Air Cooling, Add	11,787.42	
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	170,701.76	8,540.79
For 50 Hz Operation, Add	18,297.77	
For External Control Panel, Add	4,574.44	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,524.81	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,624.07	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	19,060.17	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,872.21	
For Forced Air Cooling, Add	12,198.51	
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	222,176.37	8,540.79
For 50 Hz Operation, Add	24,474.72	
For External Control Panel, Add	6,118.68	
For Internally Mounted Current Transformers And Linear Couplers, Add	2,039.56	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	10,197.80	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	25,494.50	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	30,593.40	
For Forced Air Cooling, Add	16,316.48	
26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV (26 11 13)		
26 11 13 00-0046 EA 1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	60,296.77	1,244.38
26 11 13 00-0047 EA 1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	66,133.16	1,244.38
26 11 13 00-0048 EA 1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	75,367.59	1,545.73
26 11 13 00-0049 EA 2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	70,710.68	1,858.66
26 11 13 00-0050 EA 2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	79,527.78	1,858.66
26 11 13 00-0051 EA 2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	90,751.42	2,159.35
26 11 13 00-0052 EA 3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	93,692.17	2,467.06
26 11 13 00-0053 EA 3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	104,669.96	2,467.06
26 11 13 00-0054 EA 3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	109,813.41	2,770.52
26 11 16 Secondary Unit Substations (26 11)		
26 11 16 11 Secondary Unit Substations with Switchgear Secondary (26 11 16)		
26 11 16 11-0001 Substation Primary Incoming Section (26 11 16 11)		
26 11 16 11-0002 Manual Transferring Fused Load Break Switches (26 11 16 11-0001)		
Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	39,414.61	1,827.33
26 11 16 11-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	45,394.36	1,827.33



Electrical	26	26
Medium-Voltage Electrical Distribution	26 10	
Substations	26 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0005 Automatic Transferring Fused Load Break Switches <small>(26 11 16 11-0001)</small>		
Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	55,658.20	1,827.33
26 11 16 11-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	59,549.86	1,827.33
26 11 16 11-0008 Accessories For Substation Fused Load Break Switches <small>(26 11 16 11-0001)</small>		
26 11 16 11-0009 EA Primary Lightning Arrestors Accessories, Secondary Distribution Section	10,545.58	
26 11 16 11-0010 EA Key Interlock Accessories, Secondary Distribution Section	1,026.47	
26 11 16 11-0011 Oil Filled Substation Transformers <small>(26 11 16 11)</small>		
Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 11-0012 Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ <small>(26 11 16 11-0011)</small>		
26 11 16 11-0013 EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	19,675.09	1,119.90
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,220.47	
For Control Power Transformer On Fans And Auxiliary, Add	523.06	
For Internal Mounted Current Transformer And Linear Coupler, Add	174.35	
26 11 16 11-0014 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	28,729.68	1,343.89
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,822.93	
For Control Power Transformer On Fans And Auxiliary, Add	781.26	
For Internal Mounted Current Transformer And Linear Coupler, Add	260.42	
26 11 16 11-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	32,501.87	1,493.21
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,066.08	
For Control Power Transformer On Fans And Auxiliary, Add	885.46	
For Internal Mounted Current Transformer And Linear Coupler, Add	295.15	
26 11 16 11-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	38,513.67	1,866.51
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,434.65	
For Control Power Transformer On Fans And Auxiliary, Add	1,043.42	
For Internal Mounted Current Transformer And Linear Coupler, Add	347.81	
26 11 16 11-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	43,067.14	2,314.47
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,690.67	
For Control Power Transformer On Fans And Auxiliary, Add	1,153.15	
For Internal Mounted Current Transformer And Linear Coupler, Add	384.38	
26 11 16 11-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	46,250.42	2,837.10
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,840.34	
For Control Power Transformer On Fans And Auxiliary, Add	1,217.29	
For Internal Mounted Current Transformer And Linear Coupler, Add	405.76	
26 11 16 11-0019 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	54,194.19	3,434.37
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,312.78	
For Control Power Transformer On Fans And Auxiliary, Add	1,419.76	
For Internal Mounted Current Transformer And Linear Coupler, Add	473.25	
26 11 16 11-0020 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	57,784.02	3,733.01
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,522.26	
For Control Power Transformer On Fans And Auxiliary, Add	1,509.54	
For Internal Mounted Current Transformer And Linear Coupler, Add	503.18	
26 11 16 11-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	64,535.08	4,106.32
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,942.57	
For Control Power Transformer On Fans And Auxiliary, Add	1,689.67	
For Internal Mounted Current Transformer And Linear Coupler, Add	563.22	
26 11 16 11-0022 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	74,531.31	4,554.28
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,579.59	
For Control Power Transformer On Fans And Auxiliary, Add	1,962.68	
For Internal Mounted Current Transformer And Linear Coupler, Add	654.23	
26 11 16 11-0023 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	81,821.88	4,964.91
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	5,032.44	
For Control Power Transformer On Fans And Auxiliary, Add	2,156.76	
For Internal Mounted Current Transformer And Linear Coupler, Add	718.92	
26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ <small>(26 11 16 11-0011)</small>		
26 11 16 11-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	18,805.27	1,119.90
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,159.58	
For Control Power Transformer On Fans And Auxiliary, Add	496.96	
For Internal Mounted Current Transformer And Linear Coupler, Add	165.65	
26 11 16 11-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	27,999.67	1,119.90
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,803.19	
For Control Power Transformer On Fans And Auxiliary, Add	772.80	
For Internal Mounted Current Transformer And Linear Coupler, Add	257.60	
26 11 16 11-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	32,482.62	1,493.21
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,064.73	
For Control Power Transformer On Fans And Auxiliary, Add	884.89	
For Internal Mounted Current Transformer And Linear Coupler, Add	294.96	
26 11 16 11-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	38,546.78	1,866.51
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,436.96	
For Control Power Transformer On Fans And Auxiliary, Add	1,044.41	
For Internal Mounted Current Transformer And Linear Coupler, Add	348.14	

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	46,447.07	2,314.47
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,927.27	
For Control Power Transformer On Fans And Auxiliary, Add	1,254.54	
For Internal Mounted Current Transformer And Linear Coupler, Add	418.18	
26 11 16 11-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	50,459.04	2,837.10
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,134.94	
For Control Power Transformer On Fans And Auxiliary, Add	1,343.55	
For Internal Mounted Current Transformer And Linear Coupler, Add	447.85	
26 11 16 11-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	56,137.57	3,434.37
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,448.82	
For Control Power Transformer On Fans And Auxiliary, Add	1,478.06	
For Internal Mounted Current Transformer And Linear Coupler, Add	492.69	
26 11 16 11-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	61,131.67	3,733.01
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,756.59	
For Control Power Transformer On Fans And Auxiliary, Add	1,609.97	
For Internal Mounted Current Transformer And Linear Coupler, Add	536.66	
26 11 16 11-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	68,864.10	4,106.32
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,245.60	
For Control Power Transformer On Fans And Auxiliary, Add	1,819.54	
For Internal Mounted Current Transformer And Linear Coupler, Add	606.51	
26 11 16 11-0034 Accessories For Oil Filled Substation Transformers (26 11 16 11-0011)		
26 11 16 11-0035 EA Sudden Pressure Relay.....	5,284.57	
26 11 16 11-0036 EA Throats Or Flanges (HV Or LV).....	10,491.66	
26 11 16 11-0037 EA Lightning Arrestors (3 - 1 Pole).....	6,908.35	
26 11 16 11-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	38,337.90	
26 11 16 11-0039 EA Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout.....	35,868.92	
26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab (26 11 16 11-0011)		
Note: For transformer liquid containment area.		
26 11 16 11-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	5,311.66	1,307.80
26 11 16 11-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	5,311.66	1,307.80
26 11 16 11-0043 EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	5,311.66	1,307.80
26 11 16 11-0044 EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	5,311.66	1,307.80
26 11 16 11-0045 EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	5,311.66	1,307.80
26 11 16 11-0046 EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	5,311.66	1,307.80
26 11 16 11-0047 EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	5,311.66	1,307.80
26 11 16 11-0048 EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	6,316.30	1,507.93
26 11 16 11-0049 Dry Type Substation Transformer (26 11 16 11)		
Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt (26 11 16 11-0049)		
Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 11-0051 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	33,861.23	1,194.56
For Gas Filled Transformers, Add	18,883.26	
For Single Phase Transformers, Deduct	-786.80	
For Dry Type Unit, Add	7,162.78	
26 11 16 11-0052 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	34,010.55	1,269.22
For Gas Filled Transformers, Add	18,883.26	
For Single Phase Transformers, Deduct	-786.80	
For Dry Type Unit, Add	7,177.71	
26 11 16 11-0053 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	34,868.46	1,493.21
For Gas Filled Transformers, Add	19,129.23	
For Single Phase Transformers, Deduct	-797.05	
For Dry Type Unit, Add	7,312.69	
26 11 16 11-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	38,482.16	1,642.52
For Gas Filled Transformers, Add	21,118.27	
For Single Phase Transformers, Deduct	-879.93	
For Dry Type Unit, Add	8,071.87	
26 11 16 11-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	42,785.08	1,941.17
For Gas Filled Transformers, Add	23,341.65	
For Single Phase Transformers, Deduct	-972.57	
For Dry Type Unit, Add	8,946.84	
26 11 16 11-0056 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	49,563.81	2,239.81
For Gas Filled Transformers, Add	27,050.51	
For Single Phase Transformers, Deduct	-1,127.10	
For Dry Type Unit, Add	10,366.48	
26 11 16 11-0057 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	57,599.87	2,687.77
For Gas Filled Transformers, Add	31,334.60	
For Single Phase Transformers, Deduct	-1,305.61	
For Dry Type Unit, Add	12,026.91	
26 11 16 11-0058 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	67,964.80	2,986.41
For Gas Filled Transformers, Add	37,195.19	
For Single Phase Transformers, Deduct	-1,549.80	
For Dry Type Unit, Add	14,235.52	
26 11 16 11-0059 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	87,614.76	3,135.73
For Gas Filled Transformers, Add	48,805.97	
For Single Phase Transformers, Deduct	-2,033.58	
For Dry Type Unit, Add	18,522.67	



Electrical	26	26
Medium-Voltage Electrical Distribution	26 10	
Substations	26 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt <small>(26 11 16 11-0049)</small>		
Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	32,744.38	1,194.56
For Gas Filled Transformers, Add	18,213.15	
For Single Phase Transformers, Deduct	-758.88	
For Dry Type Unit, Add	6,917.07	
26 11 16 11-0062 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	34,010.55	1,269.22
For Gas Filled Transformers, Add	18,883.26	
For Single Phase Transformers, Deduct	-786.80	
For Dry Type Unit, Add	7,177.71	
26 11 16 11-0063 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	34,868.46	1,493.21
For Gas Filled Transformers, Add	19,129.23	
For Single Phase Transformers, Deduct	-797.05	
For Dry Type Unit, Add	7,312.69	
26 11 16 11-0064 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	38,482.16	1,642.52
For Gas Filled Transformers, Add	21,118.27	
For Single Phase Transformers, Deduct	-879.93	
For Dry Type Unit, Add	8,071.87	
26 11 16 11-0065 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	42,785.08	1,941.17
For Gas Filled Transformers, Add	23,341.65	
For Single Phase Transformers, Deduct	-972.57	
For Dry Type Unit, Add	8,946.84	
26 11 16 11-0066 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	49,563.81	2,239.81
For Gas Filled Transformers, Add	27,050.51	
For Single Phase Transformers, Deduct	-1,127.10	
For Dry Type Unit, Add	10,366.48	
26 11 16 11-0067 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	57,599.87	2,687.77
For Gas Filled Transformers, Add	31,334.60	
For Single Phase Transformers, Deduct	-1,305.61	
For Dry Type Unit, Add	12,026.91	
26 11 16 11-0068 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	67,964.80	2,986.41
For Gas Filled Transformers, Add	37,195.19	
For Single Phase Transformers, Deduct	-1,549.80	
For Dry Type Unit, Add	14,235.52	
26 11 16 11-0069 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	87,614.76	3,135.73
For Gas Filled Transformers, Add	48,805.97	
For Single Phase Transformers, Deduct	-2,033.58	
For Dry Type Unit, Add	18,522.67	
26 11 16 11-0070 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	96,067.09	3,285.05
For Gas Filled Transformers, Add	53,698.19	
For Single Phase Transformers, Deduct	-2,237.42	
For Dry Type Unit, Add	20,346.35	
26 11 16 11-0071 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	107,072.69	3,434.37
For Gas Filled Transformers, Add	60,122.37	
For Single Phase Transformers, Deduct	-2,505.10	
For Dry Type Unit, Add	22,731.74	
26 11 16 11-0072 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	123,175.18	3,583.70
For Gas Filled Transformers, Add	69,604.67	
For Single Phase Transformers, Deduct	-2,900.19	
For Dry Type Unit, Add	26,238.45	
26 11 16 11-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt <small>(26 11 16 11-0049)</small>		
26 11 16 11-0074 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	36,471.06	1,343.89
For Gas Filled Transformers, Add	20,269.97	
For Single Phase Transformers, Deduct	-844.58	
For Dry Type Unit, Add	7,701.10	
26 11 16 11-0075 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	37,730.79	1,418.55
For Gas Filled Transformers, Add	20,936.21	
For Single Phase Transformers, Deduct	-872.34	
For Dry Type Unit, Add	7,960.32	
26 11 16 11-0076 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	40,454.41	1,642.52
For Gas Filled Transformers, Add	22,301.62	
For Single Phase Transformers, Deduct	-929.23	
For Dry Type Unit, Add	8,505.76	
26 11 16 11-0077 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	42,754.37	1,791.85
For Gas Filled Transformers, Add	23,502.40	
For Single Phase Transformers, Deduct	-979.27	
For Dry Type Unit, Add	8,975.92	
26 11 16 11-0078 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	48,787.43	2,090.49
For Gas Filled Transformers, Add	26,763.88	
For Single Phase Transformers, Deduct	-1,115.16	
For Dry Type Unit, Add	10,231.52	
26 11 16 11-0079 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	54,120.06	2,389.13
For Gas Filled Transformers, Add	29,605.08	
For Single Phase Transformers, Deduct	-1,233.55	
For Dry Type Unit, Add	11,333.02	
26 11 16 11-0080 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	63,231.01	2,837.10
For Gas Filled Transformers, Add	34,534.10	
For Single Phase Transformers, Deduct	-1,438.92	
For Dry Type Unit, Add	13,229.92	
26 11 16 11-0081 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	76,401.00	3,135.73
For Gas Filled Transformers, Add	42,077.72	
For Single Phase Transformers, Deduct	-1,753.24	
For Dry Type Unit, Add	16,055.64	

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0082 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	91,974.10 51,242.39 -2,135.10 19,445.89	3,285.05
26 11 16 11-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt <small>(26 11 16 11-0049)</small>		
26 11 16 11-0084 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	36,471.06 20,269.97 -844.58 7,701.10	1,343.89
26 11 16 11-0085 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	37,730.79 20,936.21 -872.34 7,960.32	1,418.55
26 11 16 11-0086 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	40,454.41 22,301.62 -929.23 8,505.76	1,642.52
26 11 16 11-0087 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	42,754.37 23,502.40 -979.27 8,975.92	1,791.85
26 11 16 11-0088 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	48,787.43 26,763.88 -1,115.16 10,231.52	2,090.49
26 11 16 11-0089 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	47,664.25 25,731.59 -1,072.15 9,912.74	2,389.13
26 11 16 11-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	49,968.25 26,576.44 -1,107.35 10,312.11	2,837.10
26 11 16 11-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	61,205.68 32,960.53 -1,373.36 12,712.67	3,135.73
26 11 16 11-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	72,278.96 39,425.31 -1,642.72 15,112.96	3,285.05
26 11 16 11-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	80,632.42 44,258.21 -1,844.09 16,914.88	3,434.37
26 11 16 11-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	94,350.80 52,310.05 -2,179.59 19,897.09	3,583.70
26 11 16 11-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	115,242.30 64,665.76 -2,694.41 24,457.38	3,733.01

26 12 Medium-Voltage Transformers (26 10)

26 12 13 Liquid-Filled, Medium-Voltage Transformers (26 12)

26 12 13 00-0001 Removal And Relocation Of Transformers (26 12 13)

26 12 13 00-0002 EA Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer.....	1,539.19	
26 12 13 00-0003 EA Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	2,832.55	

26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers (26 12 13)

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent

Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA (26 12 13 00-0004)

26 12 13 00-0006 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	5,493.07	617.81
26 12 13 00-0007 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	6,600.85	772.26
26 12 13 00-0008 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	7,682.01	926.71
26 12 13 00-0009 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	9,932.41	1,158.40
26 12 13 00-0010 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	11,793.42	1,390.08
26 12 13 00-0011 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	16,269.75	1,621.76
26 12 13 00-0012 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	19,276.68	1,930.66

26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent

Taps FCAN And FCBN. Rated To 5 KVA (26 12 13 00-0004)

26 12 13 00-0014 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	5,493.07	617.81
26 12 13 00-0015 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	6,717.76	772.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0016 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,682.01	926.71
26 12 13 00-0017 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,932.41	1,158.40
26 12 13 00-0018 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,793.42	1,390.08
26 12 13 00-0019 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	15,068.06	1,621.76
26 12 13 00-0020 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,666.45	1,930.66
26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0022 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,356.68	617.81
26 12 13 00-0023 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,230.64	772.26
26 12 13 00-0024 EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,315.87	926.71
26 12 13 00-0025 EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,847.91	1,158.40
26 12 13 00-0026 EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,436.67	1,390.08
26 12 13 00-0027 EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	15,293.38	1,621.76
26 12 13 00-0028 EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,722.78	1,930.66
26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0030 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,989.94	617.81
26 12 13 00-0031 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,883.38	772.26
26 12 13 00-0032 EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,025.93	926.71
26 12 13 00-0033 EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,370.21	1,158.40
26 12 13 00-0034 EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,143.19	1,390.08
26 12 13 00-0035 EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	17,817.20	1,621.76
26 12 13 00-0036 EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	22,797.06	1,930.66
26 12 13 00-0037 Transformer Platforms <small>(26 12 13 00-0004)</small>		
26 12 13 00-0038 EA Transformer Platforms, 75 - 167 KVA.....	5,657.36	1,043.33
26 12 13 00-0039 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0040 EA 10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,567.40	617.81
26 12 13 00-0041 EA 15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,407.70	772.26
26 12 13 00-0042 EA 25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,027.40	926.71
26 12 13 00-0043 EA 37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,388.39	1,158.40
26 12 13 00-0044 EA 50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,297.00	1,467.30
26 12 13 00-0045 EA 75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	17,821.73	1,621.76
26 12 13 00-0046 EA 100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	22,797.06	1,930.66
26 12 13 00-0047 EA 167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	30,432.22	2,471.24
26 12 13 00-0048 EA 250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	39,039.47	3,320.74
26 12 13 00-0049 EA 333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	45,718.12	3,861.32
26 12 13 00-0050 EA 500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	57,672.56	4,170.22
26 12 13 00-0051 Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL <small>(26 12 13 00-0004)</small>		
26 12 13 00-0052 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	5,493.07	756.51
26 12 13 00-0053 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	6,600.85	945.56
26 12 13 00-0054 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	7,681.37	1,133.53
26 12 13 00-0055 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	9,933.91	1,420.50
26 12 13 00-0056 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	11,791.98	1,701.60
26 12 13 00-0057 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	16,267.80	1,981.79
26 12 13 00-0058 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	19,276.68	2,364.06
26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0060 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,493.07	756.51
26 12 13 00-0061 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,717.76	945.56
26 12 13 00-0062 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,681.37	1,133.53
26 12 13 00-0063 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,933.91	1,420.50
26 12 13 00-0064 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,791.98	1,701.60
26 12 13 00-0065 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	15,066.11	1,981.79
26 12 13 00-0066 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,666.45	2,364.06
26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y <small>(26 12 13 00-0004)</small>		
26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0069 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,468.35	617.81
26 12 13 00-0070 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,344.08	772.26
26 12 13 00-0071 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,191.13	926.71
26 12 13 00-0072 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,077.00	1,158.40
26 12 13 00-0073 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,086.17	1,390.08

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 12	Medium-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0074 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	15,636.49	1,621.76
26 12 13 00-0075 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	18,032.13	1,930.66
26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0077 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,158.36	617.81
26 12 13 00-0078 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,954.38	772.26
26 12 13 00-0079 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	6,013.99	926.71
26 12 13 00-0080 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	7,722.73	1,158.40
26 12 13 00-0081 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,599.05	1,300.08
26 12 13 00-0082 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	13,865.13	1,621.76
26 12 13 00-0083 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	16,260.78	1,930.66
26 12 13 00-0084 3 Phase Oil Filled Distribution Transformers <small>(26 12 13)</small>		
26 12 13 00-0085 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt <small>(26 12 13 00-0084)</small> Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086 EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	19,932.88	2,162.34
26 12 13 00-0087 EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	24,717.68	2,316.79
26 12 13 00-0088 EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	32,724.50	2,934.60
26 12 13 00-0089 EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	42,646.97	3,706.87
26 12 13 00-0090 EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	62,051.05	4,170.22
26 12 13 00-0091 EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	94,211.37	5,560.30
26 12 16 Dry-Type, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 16 00-0001 Removal and Relocation of Transformers <small>(26 12 16)</small>		
26 12 16 00-0002 EA Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	619.68	
26 12 16 00-0003 EA Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	2,754.13	
26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers <small>(26 12 19)</small> Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <small>(26 12 19 00-0001)</small> Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta <small>(26 12 19 00-0002)</small> Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	12,519.36	746.60
26 12 19 00-0005 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	13,653.41	895.92
26 12 19 00-0006 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	16,266.96	1,045.25
26 12 19 00-0007 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	20,060.84	1,119.90
26 12 19 00-0008 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	22,745.09	1,194.56
26 12 19 00-0009 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	29,766.84	1,567.86
26 12 19 00-0010 Factory Modifications Material Cost Only <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011 EA Loadbreaker Current Limiting Fuse Factory Modifications	2,640.15	
26 12 19 00-0012 EA Loadbreaker Oil Switch, 2 Position Factory Modifications	2,774.07	
26 12 19 00-0013 EA Loadbreaker Inserts, Factory Modifications	3,051.48	
26 12 19 00-0014 Distribution - Single Phase Multiple Building Transformer <small>(26 12 19 00-0001)</small> Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015 Primary, 4.16/4.8 KVA Ground Y Or Delta <small>(26 12 19 00-0014)</small> Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	15,653.20	746.60
26 12 19 00-0017 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	17,632.34	746.60
26 12 19 00-0018 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	18,965.62	1,022.85
26 12 19 00-0019 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	23,678.28	1,022.85
26 12 19 00-0020 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	26,580.94	1,343.89
26 12 19 00-0021 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	31,911.46	1,343.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0022 EA 250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	51,363.30	1,866.51
26 12 19 00-0023 Factory Modifications Material Cost Only (26 12 19 00-0014)		
26 12 19 00-0024 EA Loadbreaker Current Limiting Fuse Factory Modifications	3,520.20	
26 12 19 00-0025 EA Lightning Arrestors, Factory Modifications	891.92	
26 12 19 00-0026 EA Loadbreaker Oil Switch, 2 Position Factory Modifications	2,774.07	
26 12 19 00-0027 EA Loop Feed Air Switch, Factory Modifications	4,515.04	
26 12 19 00-0028 EA Loadbreaker Inserts (Two), Factory Modifications	1,205.29	
26 12 19 00-0029 EA Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	1,042.67	
26 12 19 00-0030 Primary, 12.47 KV Ground Y Or Delta (26 12 19 00-0014)		
Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031 EA 25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	16,950.60	746.60
26 12 19 00-0032 EA 37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	18,069.72	746.60
26 12 19 00-0033 EA 50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	18,795.91	1,022.85
26 12 19 00-0034 EA 75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	22,649.81	1,022.85
26 12 19 00-0035 EA 100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	28,726.50	1,343.89
26 12 19 00-0036 EA 167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	35,705.88	1,344.03
26 12 19 00-0037 EA 250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	45,318.79	1,866.51
26 12 19 00-0038 Oil Filled Distribution Transformer Single Phase Cluster Mounted (26 12 19 00-0001)		
Note: Conventional type.		
26 12 19 00-0039 13.8/14.4 KV Ground Y Or Delta Primary 120/240V (26 12 19 00-0038)		
Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040 EA 10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,319.86	522.10
26 12 19 00-0041 EA 37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,038.81	734.20
26 12 19 00-0042 EA 50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,499.77	1,174.71
26 12 19 00-0043 EA 100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	38,459.75	1,174.71
26 12 19 00-0044 EA 167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	52,983.27	1,925.22
26 12 19 00-0045 EA 250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	71,118.99	1,925.22
26 12 19 00-0046 Oil Filled Distribution Transformer Single Phase (26 12 19 00-0001)		
26 12 19 00-0047 7.2 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0048 EA 10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,974.43	554.73
26 12 19 00-0049 EA 15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,978.26	554.73
26 12 19 00-0050 EA 25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,125.15	783.14
26 12 19 00-0051 EA 37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,189.78	783.14
26 12 19 00-0052 EA 50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,946.25	1,060.51
26 12 19 00-0053 EA 100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,577.56	1,631.54
26 12 19 00-0054 EA 167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	52,292.41	1,631.54
26 12 19 00-0055 EA 250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	70,052.58	2,039.43
26 12 19 00-0056 7.2 KV Primary, 240/480 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0057 EA 10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,974.43	554.73
26 12 19 00-0058 EA 15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,978.61	554.73
26 12 19 00-0059 EA 25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,125.15	783.14
26 12 19 00-0060 EA 37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,189.78	783.14
26 12 19 00-0061 EA 50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,946.25	1,060.51
26 12 19 00-0062 EA 75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,427.99	1,435.76
26 12 19 00-0063 EA 100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,577.56	1,435.76
26 12 19 00-0064 EA 167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	52,292.41	1,811.01
26 12 19 00-0065 EA 250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	70,052.58	2,039.43
26 12 19 00-0066 2.4 KV Primary, 277 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0067 EA 10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	12,058.43	554.73
26 12 19 00-0068 EA 15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,159.59	554.73
26 12 19 00-0069 EA 25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,525.75	783.14
26 12 19 00-0070 EA 37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,979.00	783.14
26 12 19 00-0071 EA 50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,001.97	1,060.51
26 12 19 00-0072 EA 75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,435.13	1,435.76
26 12 19 00-0073 EA 100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	41,365.70	1,435.76
26 12 19 00-0074 EA 167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,609.39	1,811.01
26 12 19 00-0075 EA 250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	77,260.37	2,039.43

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 12	Medium-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0076 2.4 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0077 EA 10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,974.43	554.73
26 12 19 00-0078 EA 15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,978.26	554.73
26 12 19 00-0079 EA 25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,125.15	1,065.56
26 12 19 00-0080 EA 37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,189.78	1,435.76
26 12 19 00-0081 EA 50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,946.25	1,060.51
26 12 19 00-0082 EA 75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,201.74	1,435.76
26 12 19 00-0083 EA 100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,570.47	1,435.76
26 12 19 00-0084 2.4 KV Primary, 240/480 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0085 EA 10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,974.43	554.73
26 12 19 00-0086 EA 15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,978.26	554.73
26 12 19 00-0087 EA 25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,125.15	783.14
26 12 19 00-0088 EA 37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,189.78	783.14
26 12 19 00-0089 EA 50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,946.25	1,060.51
26 12 19 00-0090 EA 75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,201.74	1,435.76
26 12 19 00-0091 EA 100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,570.47	1,435.76
26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0093 EA 10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	9,289.53	571.05
26 12 19 00-0094 EA 15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	10,075.23	636.30
26 12 19 00-0095 EA 25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	12,288.16	701.57
26 12 19 00-0096 EA 37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	15,594.62	978.93
26 12 19 00-0097 EA 50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	17,356.77	1,142.08
26 12 19 00-0098 EA 75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	24,108.82	1,337.87
26 12 19 00-0099 EA 100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	29,049.85	1,533.66
26 12 19 00-0100 EA 167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	45,697.34	1,957.85
26 12 19 00-0101 EA 250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	63,393.73	2,202.59
26 13 Medium-Voltage Switchgear <small>(26 10)</small>		
26 13 16 Medium-Voltage Fusible Interrupter Switchgear <small>(26 13)</small>		
26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section <small>(26 13 16)</small>		
Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0003 EA 1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	13,867.83	1,696.81
<i>For Weatherproofing, Add</i>	2,812.99	
26 13 16 00-0004 EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	14,507.67	1,696.81
<i>For Weatherproofing, Add</i>	2,953.75	
26 13 16 00-0005 EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	19,609.55	2,161.79
<i>For Weatherproofing, Add</i>	4,027.87	
26 13 16 00-0006 EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	26,447.61	2,161.79
<i>For Weatherproofing, Add</i>	5,495.85	
26 13 16 00-0007 EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	37,516.43	2,610.47
<i>For Weatherproofing, Add</i>	7,887.56	
26 13 16 00-0008 EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	34,442.62	2,610.47
<i>For Weatherproofing, Add</i>	7,192.84	
26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0010 EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	20,317.88	1,957.85
<i>For Weatherproofing, Add</i>	4,207.39	
26 13 16 00-0011 EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	25,033.49	2,447.32
<i>For Weatherproofing, Add</i>	5,164.40	
26 13 16 00-0012 EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	34,867.27	2,936.78
<i>For Weatherproofing, Add</i>	7,270.07	
26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0014 EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	19,720.25	1,957.85
<i>For Weatherproofing, Add</i>	4,054.36	
26 13 16 00-0015 EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	26,904.86	1,957.85
<i>For Weatherproofing, Add</i>	5,588.03	
26 13 16 00-0016 EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	38,900.06	2,610.47
<i>For Weatherproofing, Add</i>	8,173.47	
26 13 16 00-0017 EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	24,829.41	2,610.47
<i>For Weatherproofing, Add</i>	5,099.90	
26 13 16 00-0018 EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	35,579.26	3,263.09
<i>For Weatherproofing, Add</i>	7,418.09	
26 13 16 00-0019 EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	49,325.04	3,263.09
<i>For Weatherproofing, Add</i>	10,392.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0020 EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	34,372.96	3,263.09
<i>For Weatherproofing, Add</i>	7,139.06	
26 13 16 00-0021 EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	47,188.82	3,263.09
<i>For Weatherproofing, Add</i>	9,911.55	
26 13 16 00-0022 EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	60,780.71	3,263.09
<i>For Weatherproofing, Add</i>	12,857.31	
26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)		
26 13 16 00-0024 EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,400.86	1,068.66
<i>For Weatherproofing, Add</i>	1,258.31	
26 13 16 00-0025 EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,135.47	1,068.66
<i>For Weatherproofing, Add</i>	1,639.92	
26 13 16 00-0026 EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,970.28	1,419.44
<i>For Weatherproofing, Add</i>	1,775.18	
26 13 16 00-0027 EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,115.35	1,753.91
<i>For Weatherproofing, Add</i>	2,199.77	
26 13 16 00-0028 EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,626.05	1,753.91
<i>For Weatherproofing, Add</i>	2,972.12	
26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)		
26 13 16 00-0030 EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,020.38	1,631.54
<i>For Weatherproofing, Add</i>	1,593.77	
26 13 16 00-0031 EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,475.26	1,631.54
<i>For Weatherproofing, Add</i>	2,085.77	
26 13 16 00-0032 EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	15,702.25	1,631.54
<i>For Weatherproofing, Add</i>	3,188.28	
26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)		
26 13 16 00-0034 EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,342.25	1,386.82
<i>For Weatherproofing, Add</i>	1,642.05	
26 13 16 00-0035 EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,844.27	1,386.82
<i>For Weatherproofing, Add</i>	1,752.49	
26 13 16 00-0036 EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	12,524.20	1,713.13
<i>For Weatherproofing, Add</i>	2,514.38	
26 13 16 00-0037 EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,469.75	2,055.74
<i>For Weatherproofing, Add</i>	2,234.94	
26 13 16 00-0038 EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	13,835.46	2,055.74
<i>For Weatherproofing, Add</i>	2,755.40	
26 13 16 00-0039 EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	15,930.17	2,398.37
<i>For Weatherproofing, Add</i>	3,167.74	
26 13 16 00-0040 EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	15,208.82	2,740.99
<i>For Weatherproofing, Add</i>	2,961.40	
26 13 16 00-0041 EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	16,829.87	2,740.99
<i>For Weatherproofing, Add</i>	3,318.03	
26 13 16 00-0042 EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	20,564.29	3,067.30
<i>For Weatherproofing, Add</i>	4,091.54	
26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections (26 13 16 00-0001)		
26 13 16 00-0044 EA 1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	4,270.51	1,033.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	620.36	
26 13 16 00-0045 EA 2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	5,253.67	1,147.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	688.42	
26 13 16 00-0046 EA 3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	6,788.90	1,380.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	828.20	
26 13 16 00-0047 EA 3-Phase Pothead Termination Accessories, Secondary Distribution Section.....	4,997.34	2,075.81
26 13 16 00-0048 EA 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	4,644.28	135.14
26 13 16 00-0049 EA 5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	6,176.53	135.14
26 13 16 00-0050 EA 5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	11,244.23	135.14
26 13 16 00-0051 EA 15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	8,853.78	135.14
26 13 16 00-0052 EA 15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	9,658.12	135.14
26 13 16 00-0053 EA 15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	13,117.87	135.14
26 13 16 00-0054 EA 6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,147.56	135.14
26 13 16 00-0055 EA 9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,416.88	135.14
26 13 16 00-0056 EA 15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	3,629.58	135.14
26 13 16 00-0057 EA Overcurrent Phase Protection, Time And Instantaneous Device 67.....	2,352.10	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	
26 13 16 00-0058 EA AC Ammeter With Switch.....	969.07	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	
26 13 16 00-0059 EA AC Voltmeter With Switch And Potential Transformer.....	969.07	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 13 Medium-Voltage Switchgear



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0060	EA		Indicating Wattmeter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,394.17 81.08	135.14
26 13 16 00-0061	EA		Indicating Varmeter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,630.01 81.08	135.14
26 13 16 00-0062	EA		Indicating Watt-hour Meter, 2 Element <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,053.51 81.08	135.14
26 13 16 00-0063	EA		Ground Protection, Time Or Instantaneous Device 67N <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,786.30 81.08	135.14
26 13 16 00-0064	EA		Differential Generator Protection Single Phase NEMA Device 87	4,395.34	135.14
26 13 16 00-0065	EA		Current Transformers 5 And 15 KV Single Secondary	683.00	135.14
26 13 16 00-0066	EA		Potential Transformers 5 KV And 15 KV With Primary Fuses	2,959.90	135.14

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)

26 13 19 00-0001	Vacuum Circuit Breakers 13.8 KV (26 13 19)			
26 13 19 00-0002	EA	1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	47,723.85	2,039.43
26 13 19 00-0003	EA	1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	52,777.74	2,577.84
26 13 19 00-0004	EA	1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	59,954.67	2,577.84
26 13 19 00-0005	EA	2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	54,542.26	2,039.43
26 13 19 00-0006	EA	2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	61,202.74	2,039.43
26 13 19 00-0007	EA	2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	69,785.99	2,398.37
26 13 19 00-0008	EA	3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	72,164.00	2,740.99
26 13 19 00-0009	EA	3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	78,858.30	2,740.99
26 13 19 00-0010	EA	3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	86,215.46	3,083.62

26 13 29 Medium-Voltage Compartmentalized Switchgear (26 13)

26 13 29 00-0001	Substation Secondary Distribution Section (26 13 29)			
Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.				
26 13 29 00-0002	Switchgear Compartment Complete With Air Circuit Breaker (26 13 29 00-0001)			
Note: With solid state long - time and instantaneous trips.				
26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	15,265.73	1,275.22
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	24,342.16	1,928.01
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	32,976.75	2,368.26
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	54,221.64	2,747.79
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	69,534.80	3,127.32

26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker (26 13 29 00-0001)

26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,767.66	387.12
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	7,819.78	387.12
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,228.80	569.29
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,528.89	569.29
26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	24,167.58	834.96

26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering (26 13 29 00-0001)

Note: No provisions for future breaker.				
26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section	4,481.88	432.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	247.40
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section	5,596.89	432.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	290.42
26 13 29 00-0017	EA	4,000 Amperes, Blank Section Filler, Secondary Distribution Section	7,327.73	667.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	417.48

26 13 29 00-0018 Accessories For Substation Secondary Distribution (26 13 29 00-0001)

26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section	2,407.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section	1,893.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section	5,796.55	135.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section	5,796.55	135.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section	7,636.49	135.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section	9,863.79	135.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	4,339.86	154.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.44
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	14,487.67	2,282.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,369.47
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	2,678.34	135.14
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	3,129.18	135.14
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	1,668.42	67.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.54
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	12,365.46	135.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	1,590.95	67.57



Electrical	26	26
Medium-Voltage Electrical Distribution	26 10	
Medium-Voltage Switchgear	26 13	

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

26 18 Medium-Voltage Circuit Protection Devices (26 10)

26 18 36 Medium-Voltage Enclosed Fuses (26 18)

26 18 36 00-0001	Sectionalizing Switch (26 18 36)		
26 18 36 00-0002	Pad Mounted Metal Enclosed Oil Filled Switching Units (26 18 36 00-0001) Note: 15 KV - 25 KV.		
26 18 36 00-0003	Sectionalizing Tapping And Fusing Underground Feeders (26 18 36 00-0002) Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004 EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	38,375.53	1,119.90
26 18 36 00-0005 EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	43,105.32	1,119.90

26 19 High-Voltage Circuit Protection (26 10)

26 19 18 Protection Devices (26 19)

26 19 18 00-0001	Primary Fuse Cutouts (26 19 18) Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 19 18 00-0002	Non-Loadbreak Current Limiting Primary Fuse Cutouts (26 19 18 00-0001) Note: Includes the fuse and cut-out switch.		
26 19 18 00-0003	8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 19 18 00-0002)		
26 19 18 00-0004 EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	854.72	407.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.79	
26 19 18 00-0005 EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,017.87	407.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.73	
26 19 18 00-0006 EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,180.48	407.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.51	
26 19 18 00-0007 EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,199.90	407.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.69	
26 19 18 00-0008 EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,199.90	407.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.69	
26 19 18 00-0009	17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 19 18 00-0002)		
26 19 18 00-0010 EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	854.72	326.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.79	
26 19 18 00-0011	17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting (26 19 18 00-0002)		
26 19 18 00-0012 EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	880.21	326.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.79	
26 19 18 00-0013	Fuseholders (26 19 18 00-0002) Note: Including current limiting fuse.		
26 19 18 00-0014 EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	747.30	407.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.79	
26 19 18 00-0015 EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	910.45	407.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.73	
26 19 18 00-0016 EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	1,073.06	407.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.51	
26 19 18 00-0017 EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	756.12	407.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.79	
26 19 18 00-0018 EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	919.27	407.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.73	
26 19 18 00-0019 EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	747.30	326.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.79	
26 19 18 00-0020	Accessories (26 19 18 00-0002)		
26 19 18 00-0021 EA	Hot Line Clamp	107.87	36.71
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.47	
26 19 18 00-0022 EA	Stirrup	115.96	36.71
26 19 18 00-0023	Loadbreak Current Limiting Primary Fuse Cutouts (26 19 18 00-0001) Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 19 18 00-0024	8.3 KV-95 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)		
26 19 18 00-0025 EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,053.17	407.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.79	
26 19 18 00-0026 EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,216.32	407.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.73	
26 19 18 00-0027 EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,378.93	407.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.51	
26 19 18 00-0028 EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,416.85	407.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.69	

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 19	High-Voltage Circuit Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0029 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,416.85 293.69	407.89
26 19 18 00-0030 17.1 KV-95 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)		
26 19 18 00-0031 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,053.17 195.79	326.31
26 19 18 00-0032 17.1 KV-125 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)		
26 19 18 00-0033 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,053.17 195.79	326.31
26 19 18 00-0034 Fuseholders (26 19 18 00-0023) Note: Includes current limiting fuses.		
26 19 18 00-0035 EA 15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	756.40 195.79	407.89
26 19 18 00-0036 EA 25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	919.55 244.73	407.89
26 19 18 00-0037 EA 40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,082.16 293.51	407.89
26 19 18 00-0038 EA 15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	756.40 195.79	407.89
26 19 18 00-0039 Pole Mounted Capacitors (26 19 18 00-0023)		
26 19 18 00-0040 EA Capacitors - Pole Mounted 6 KVAR.....	1,788.99	328.92
26 19 80 Transmission and Distribution Accessories (26 19)		
26 19 80 60 Structure Assemblies (26 19 80)		
26 19 80 60-0001 Pole Structure Assemblies (26 19 80 60)		
26 19 80 60-0002 5 KV Pole Structure Assemblies (26 19 80 60-0001) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0003 EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	655.73	309.99
26 19 80 60-0004 EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,097.14	522.10
26 19 80 60-0005 EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,175.25	407.89
26 19 80 60-0006 EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	659.54	212.10
26 19 80 60-0007 EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	848.51	293.68
26 19 80 60-0008 EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,514.96	587.35
26 19 80 60-0009 EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,179.21	440.51
26 19 80 60-0010 EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,191.61	881.04
26 19 80 60-0011 EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,485.03	995.24
26 19 80 60-0012 EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,338.38	489.46
26 19 80 60-0013 EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,177.26	522.10
26 19 80 60-0014 EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,244.53	1,060.51
26 19 80 60-0015 EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,642.78	636.30
26 19 80 60-0016 EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,048.43	456.83
26 19 80 60-0017 EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,004.51	929.98
26 19 80 60-0018 EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,508.28	473.15
26 19 80 60-0019 15 KV Pole Structure Assemblies (26 19 80 60-0001) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0020 EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	681.22	309.99
26 19 80 60-0021 EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,133.56	522.10
26 19 80 60-0022 EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,299.06	407.89
26 19 80 60-0023 EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	703.24	212.10
26 19 80 60-0024 EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	910.41	277.36
26 19 80 60-0025 EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,638.77	587.35
26 19 80 60-0026 EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,270.24	440.51
26 19 80 60-0027 EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,377.33	881.04
26 19 80 60-0028 EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,736.29	995.24
26 19 80 60-0029 EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,462.19	489.46
26 19 80 60-0030 EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,224.59	522.10
26 19 80 60-0031 EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,291.86	1,060.51
26 19 80 60-0032 EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,737.46	636.30
26 19 80 60-0033 EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,095.76	440.51
26 19 80 60-0034 EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,051.84	929.98
26 19 80 60-0035 EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,602.96	571.05
26 19 80 60-0036 25 KV Pole Structure Assemblies (26 19 80 60-0001) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0037 EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,895.51	489.46
26 19 80 60-0038 EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,139.25	244.74
26 19 80 60-0039 EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,656.49	375.26
26 19 80 60-0040 EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,288.27	766.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0041 EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,115.67	571.05
26 19 80 60-0042 EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,503.59	1,125.76
26 19 80 60-0043 EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,416.77	1,272.60
26 19 80 60-0044 EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,346.53	742.35
26 19 80 60-0045 EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,063.26	742.35
26 19 80 60-0046 50 KV Pole Structure Assemblies <small>(26 19 80 60-0001)</small>		
<small>Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.</small>		
26 19 80 60-0047 EA Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,547.00	668.93
26 19 80 60-0048 EA Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,375.31	342.63
26 19 80 60-0049 EA Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,790.48	538.41
26 19 80 60-0050 EA Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,391.62	1,093.13
26 19 80 60-0051 EA Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,592.87	815.77
26 19 80 60-0052 EA Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	5,007.31	1,631.54
26 19 80 60-0053 EA Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	5,876.04	1,811.01
26 19 80 60-0054 EA Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,978.15	881.04
26 19 80 60-0055 EA Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,055.37	1,019.71
26 19 80 60-0056 EA Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,935.40	962.61
26 19 80 60-0057 Overhead To Underground Conversion Structures <small>(26 19 80 60)</small>		
<small>Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.</small>		
26 19 80 60-0058 5 KV Structures <small>(26 19 80 60-0057)</small>		
<small>Note: Excludes pole.</small>		
26 19 80 60-0059 EA (3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	6,435.68	3,263.09
26 19 80 60-0060 EA (3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	6,435.68	3,263.09
26 19 80 60-0061 EA (4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	6,435.68	3,263.09
26 19 80 60-0062 EA (4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	6,435.68	3,263.09
26 19 80 60-0063 15 KV Structures <small>(26 19 80 60-0057)</small>		
<small>Note: Excludes pole.</small>		
26 19 80 60-0064 EA (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	6,607.02	3,263.09
26 19 80 60-0065 EA (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	6,607.02	3,263.09
26 19 80 60-0066 EA (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	6,607.02	3,263.09
26 19 80 60-0067 EA (4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	6,607.02	3,263.09
26 19 80 60-0068 25 KV Structures <small>(26 19 80 60-0057)</small>		
<small>Note: Excludes pole.</small>		
26 19 80 60-0069 EA (3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	6,793.93	3,263.09
26 19 80 60-0070 EA (3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	6,793.93	3,263.09
26 19 80 60-0071 EA (4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	6,793.93	3,263.09
26 19 80 60-0072 EA (4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	6,793.93	3,263.09
26 19 80 60-0073 Transformer Stations <small>(26 19 80 60)</small>		
<small>Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.</small>		
26 19 80 60-0074 5 KV Station <small>(26 19 80 60-0073)</small>		
26 19 80 60-0075 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	10,089.28	4,349.69
26 19 80 60-0076 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole.....	11,314.33	4,894.63
26 19 80 60-0077 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	12,539.37	5,437.94
26 19 80 60-0078 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole.....	12,539.37	5,437.94
26 19 80 60-0079 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole.....	10,089.28	4,349.69
26 19 80 60-0080 15 KV Stations <small>(26 19 80 60-0073)</small>		
26 19 80 60-0081 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	10,354.10	4,348.47
26 19 80 60-0082 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole.....	11,579.15	4,894.63
26 19 80 60-0083 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	12,804.20	5,437.94
26 19 80 60-0084 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole.....	12,804.20	5,437.94
26 19 80 60-0085 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole.....	10,354.10	4,349.69
26 19 80 60-0086 25 KV Stations <small>(26 19 80 60-0073)</small>		
26 19 80 60-0087 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	10,643.00	4,349.69
26 19 80 60-0088 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole.....	11,868.05	4,894.63
26 19 80 60-0089 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	13,093.10	5,437.94
26 19 80 60-0090 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole.....	13,093.10	5,437.94
26 19 80 60-0091 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole.....	10,643.00	4,349.69

26 20 Low-Voltage Electrical Distribution (26)

26 21 Low-Voltage Electrical Service Entrance (26 20)

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 21	Low-Voltage Electrical Service Entrance



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)

26 21 13 00-0001	LF	Service Drop Cable And Weatherheads (26 21 13)		
26 21 13 00-0002	LF	600 Volt Insulated Stranded Conductors (26 21 13 00-0001)		
26 21 13 00-0003	LF	Aluminum Duplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	10.40	3.88
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	12.54	4.60
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	14.79	5.18
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	19.72	6.52
26 21 13 00-0008	LF	Aluminum Triplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	12.71	4.60
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	14.58	5.18
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	18.51	6.52
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	23.23	7.96
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	30.29	10.53
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	38.66	13.05
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	51.68	15.54
26 21 13 00-0016	LF	Aluminum Quadruplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	14.62	5.18
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	18.51	6.52
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	23.90	8.37
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	31.24	10.53
26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	34.79	11.65
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	40.25	13.05
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	47.34	15.54
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	59.19	17.17
26 21 13 00-0025	EA	Weatherproof Conduit Hubs (26 21 13 00-0002)		
26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs.....	67.72	26.03
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs.....	77.18	29.58
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs.....	88.90	33.13
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs.....	122.87	44.37
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs.....	134.60	47.92
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs.....	170.06	55.61
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs.....	217.03	62.71
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs.....	275.98	73.95
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs.....	499.15	147.91
26 21 13 00-0035	EA	Service Entrance Cap, Threaded Weatherhead, Galvanized (26 21 13 00-0002)		
26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service.....	74.57	26.03
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service.....	85.39	29.58
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	97.44	33.13
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service.....	130.87	44.37
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service.....	146.96	47.92
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service.....	189.77	55.61
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service.....	305.25	62.71
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service.....	348.65	73.95
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service.....	585.20	147.91
26 21 13 00-0045	EA	Service Entrance Cap, Clamp-On Weatherhead, Aluminum (26 21 13 00-0002)		
26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service.....	72.50	26.03
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service.....	81.91	29.58
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	92.73	32.98
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	123.42	44.37
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	136.90	47.92
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service.....	161.02	55.61
26 21 13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service.....	251.32	62.71
26 21 13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service.....	321.53	73.95
26 21 13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service.....	455.77	110.93
26 21 13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service.....	552.92	147.91
26 21 13 00-0056	EA	Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) (26 21 13 00-0002)		
26 21 13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service.....	70.10	26.03
26 21 13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service.....	80.10	29.58
26 21 13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	90.75	32.98
26 21 13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	121.01	44.37
26 21 13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	131.59	47.92
26 21 13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service.....	159.87	55.61
26 21 13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service.....	252.73	62.71



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Electrical Service Entrance	26 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21	13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service.....	284.98	73.95
26 21	13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service.....	481.95	110.93
26 21	13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service.....	664.75	147.91

26 21 16 Low-Voltage Underground Electrical Service Entrance (26 21)

26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial (26 21 16)

Note: Excludes excavation and backfill.

26 21	16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	5,075.91	1,450.28
26 21	16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	5,766.49	1,535.61
26 21	16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	6,751.80	1,631.54
26 21	16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	7,897.19	1,631.54
26 21	16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	8,764.15	1,740.37
26 21	16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	10,391.59	2,008.11
26 21	16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	12,789.85	2,610.47

26 22 Low-Voltage Transformers (26 20)

26 22 13 Low-Voltage Distribution Transformers (26 22)

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers (26 22 13)

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22	13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,076.01	378.03
26 22	13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,394.37	453.63
26 22	13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,641.68	473.29
26 22	13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,890.98	491.43
26 22	13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,481.90	529.24
26 22	13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,881.48	567.04
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	87.37	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	131.06	
26 22	13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,138.37	604.84
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	96.43	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	144.65	
26 22	13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,158.82	680.44
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	89.90	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	134.84	
26 22	13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,699.85	756.05
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	109.39	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	164.08	
26 22	13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	4,780.03	907.26
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	148.28	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	222.41	
26 22	13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	5,952.40	1,058.47
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	191.77	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	287.66	
26 22	13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	9,083.60	1,360.89
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	318.09	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	477.14	
26 22	13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	15,395.61	1,663.31
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	603.45	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	905.17	
26 22	13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	23,251.76	1,890.12
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	973.58	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,460.36	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22	13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,245.46	453.63
26 22	13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,403.07	472.53
26 22	13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,624.25	491.43
26 22	13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,854.69	529.24

26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)

Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.

26 22	13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,881.48	567.04
26 22	13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,138.37	604.84

26 22 13 00-0025 1 Phase Mounting Brackets (26 22 13 00-0001)

26 22	13 00-0026	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	717.31	270.28
-------	------------	----	--	--------	--------



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0027 1 Phase Weathershields <small>(26 22 13 00-0001)</small> Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028 EA 37.5 KVA 1 Phase Weathershields, Set Of 2.....	62.95	
26 22 13 00-0029 EA 50 KVA 1 Phase Weathershields, Set Of 2.....	80.24	
26 22 13 00-0030 EA 75 KVA 1 Phase Weathershields, Set Of 2.....	95.68	
26 22 13 00-0031 EA 100 KVA 1 Phase Weathershields, Set Of 2.....	114.14	
26 22 13 00-0032 EA 167 KVA 1 Phase Weathershields, Set Of 2.....	154.43	
26 22 13 00-0033 EA 250 KVA 1 Phase Weathershields, Set Of 2.....	184.64	
26 22 13 00-0034 EA 333 KVA 1 Phase Weathershields, Set Of 2.....	226.61	
26 22 13 00-0035 Packaged Power Supply <small>(26 22 13 00-0001)</small> Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036 EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers.....	1,870.49	472.53
26 22 13 00-0037 EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers.....	2,064.95	491.43
26 22 13 00-0038 EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers.....	2,233.86	529.24
26 22 13 00-0039 EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers.....	2,659.61	567.04
26 22 13 00-0040 EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers.....	3,485.13	604.84
26 22 13 00-0041 240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade <small>(26 22 13 00-0001)</small>		
26 22 13 00-0042 EA 0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,377.05	340.23
26 22 13 00-0043 EA 1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,838.73	378.03
26 22 13 00-0044 EA 2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	2,157.80	453.63
26 22 13 00-0045 EA 5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	2,355.08	472.53
26 22 13 00-0046 EA 7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	2,611.09	491.43
26 22 13 00-0047 EA 10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	3,257.41	529.24
26 22 13 00-0048 EA 15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	4,101.81	567.04
26 22 13 00-0049 1 Phase, 208/600 Volt, Dry General Purpose Transformer <small>(26 22 13 00-0001)</small>		
26 22 13 00-0050 EA 15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	4,911.46	567.04
26 22 13 00-0051 EA 25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	5,112.26	604.84
26 22 13 00-0052 EA 30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	5,326.38	642.64
26 22 13 00-0053 EA 37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	6,850.79	680.44
26 22 13 00-0054 EA 45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	7,130.92	718.25
26 22 13 00-0055 EA 50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	9,295.13	756.05
26 22 13 00-0056 3 Phase General Purpose "Dry Type" Transformer <small>(26 22 13)</small> Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057 Packaged Power Supply <small>(26 22 13 00-0056)</small> Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058 EA 15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers.....	7,686.74	1,625.51
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	221.79	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	332.68	
26 22 13 00-0059 EA 22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers.....	8,974.64	1,738.92
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	274.84	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	412.26	
26 22 13 00-0060 EA 30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers.....	10,524.76	1,890.12
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	337.23	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	505.84	
26 22 13 00-0061 Drive Isolation Transformers <small>(26 22 13 00-0056)</small> Note: Only use in step-up applications.		
26 22 13 00-0062 230 Volt Drive Isolation Transformers <small>(26 22 13 00-0061)</small>		
26 22 13 00-0063 EA 7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,135.59	604.84
26 22 13 00-0064 EA 11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,945.46	642.64
26 22 13 00-0065 EA 15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,167.93	680.44
26 22 13 00-0066 EA 20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,197.10	718.25
26 22 13 00-0067 EA 27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,499.09	793.85
26 22 13 00-0068 EA 34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,241.64	869.45
26 22 13 00-0069 EA 40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,281.80	945.07
26 22 13 00-0070 EA 51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,759.83	1,058.47
26 22 13 00-0071 EA 63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,597.11	1,096.27
26 22 13 00-0072 EA 75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,260.70	1,134.08
26 22 13 00-0073 EA 93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	16,435.92	1,171.88
26 22 13 00-0074 EA 118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	18,568.80	1,436.49
26 22 13 00-0075 EA 145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	20,625.20	1,512.11
26 22 13 00-0076 EA 175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	23,488.32	1,587.71
26 22 13 00-0077 EA 220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	28,606.50	1,890.12
26 22 13 00-0078 EA 275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	37,636.11	2,230.35
26 22 13 00-0079 EA 330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	39,824.57	2,457.16
26 22 13 00-0080 EA 440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	48,238.92	2,721.79
26 22 13 00-0081 EA 550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	59,217.56	3,024.20



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0082				208V Drive Isolation Transformers <small>(26 22 13 00-0081)</small>		
	EA			7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,335.42	604.84
	EA			11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,182.67	642.64
	EA			15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,412.61	680.44
	EA			20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,490.32	718.25
	EA			27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,799.98	793.85
	EA			30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,497.01	831.65
	EA			45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,733.64	982.87
	EA			51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,199.75	1,058.47
	EA			63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,075.81	1,096.27
	EA			75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,820.22	1,134.08
	EA			93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	17,153.21	1,171.88
	EA			118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,367.72	1,436.49
	EA			145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	21,521.09	1,512.11
	EA			175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	24,522.25	1,587.71
	EA			220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	29,870.16	1,890.12
26 22 13 00-0098				480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps <small>(26 22 13 00-0098)</small>		
	EA			9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,805.56	623.75
	EA			15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,870.89	680.44
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	175.50	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	263.25	
26 22 13 00-0101				480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps <small>(26 22 13 00-0098)</small>		
	EA			30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,518.95	831.65
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	192.78	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	289.17	
				<i>For K4 Factor Rating, Add</i>	2,698.95	
				<i>For K13 Factor Rating, Add</i>	3,855.64	
				<i>For K20 Factor Rating, Add</i>	5,012.33	
	EA			37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,580.31	907.26
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	238.29	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	357.43	
				<i>For K4 Factor Rating, Add</i>	3,336.05	
				<i>For K13 Factor Rating, Add</i>	4,765.79	
				<i>For K20 Factor Rating, Add</i>	6,195.53	
	EA			45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,909.06	982.87
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	247.17	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	370.75	
				<i>For K4 Factor Rating, Add</i>	3,460.33	
				<i>For K13 Factor Rating, Add</i>	4,943.33	
				<i>For K20 Factor Rating, Add</i>	6,426.33	
	EA			50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	8,873.39	1,058.47
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	337.82	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	506.73	
				<i>For K4 Factor Rating, Add</i>	4,729.51	
				<i>For K13 Factor Rating, Add</i>	6,756.44	
				<i>For K20 Factor Rating, Add</i>	8,783.37	
	EA			75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	8,827.63	1,134.08
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	327.97	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	491.96	
				<i>For K4 Factor Rating, Add</i>	4,591.64	
				<i>For K13 Factor Rating, Add</i>	6,559.48	
				<i>For K20 Factor Rating, Add</i>	8,527.32	
	EA			112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	10,944.86	1,360.89
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	411.15	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	616.73	
				<i>For K4 Factor Rating, Add</i>	5,756.15	
				<i>For K13 Factor Rating, Add</i>	8,223.07	
				<i>For K20 Factor Rating, Add</i>	10,689.99	
	EA			150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	13,990.93	1,512.11
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	548.34	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	822.50	
				<i>For K4 Factor Rating, Add</i>	7,676.71	
				<i>For K13 Factor Rating, Add</i>	10,966.73	
				<i>For K20 Factor Rating, Add</i>	14,256.75	
	EA			225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	18,932.85	1,890.12
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	757.63	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,136.44	
				<i>For K4 Factor Rating, Add</i>	10,606.81	
				<i>For K13 Factor Rating, Add</i>	15,152.59	
				<i>For K20 Factor Rating, Add</i>	19,698.37	
	EA			300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	23,111.94	2,343.76
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	921.22	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,381.83	
				<i>For K4 Factor Rating, Add</i>	12,897.10	
				<i>For K13 Factor Rating, Add</i>	18,424.43	
				<i>For K20 Factor Rating, Add</i>	23,951.76	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0111 EA 500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	32,725.57	2,872.99
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,348.98	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,023.47	
For K4 Factor Rating, Add	18,885.71	
For K13 Factor Rating, Add	26,979.59	
For K20 Factor Rating, Add	35,073.47	
26 22 13 00-0112 EA 750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	72,765.07	3,434.37
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	3,290.47	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	4,935.71	
For K4 Factor Rating, Add	46,066.58	
For K13 Factor Rating, Add	65,809.40	
For K20 Factor Rating, Add	85,552.22	
26 22 13 00-0113 EA 1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	95,177.18	3,780.26
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	4,380.83	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	6,571.25	
For K4 Factor Rating, Add	61,331.67	
For K13 Factor Rating, Add	87,616.67	
For K20 Factor Rating, Add	113,901.67	
26 22 13 00-0114 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0115 EA 6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,165.63	585.94
For K4 Factor Rating, Add	1,395.63	
For K13 Factor Rating, Add	1,993.75	
For K20 Factor Rating, Add	2,591.88	
26 22 13 00-0116 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,805.56	623.75
For K4 Factor Rating, Add	1,790.66	
For K13 Factor Rating, Add	2,558.08	
For K20 Factor Rating, Add	3,325.50	
26 22 13 00-0117 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,870.89	680.44
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	175.50	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	263.25	
For K4 Factor Rating, Add	2,457.00	
For K13 Factor Rating, Add	3,510.00	
For K20 Factor Rating, Add	4,563.00	
26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0119 EA 30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	9,002.68	831.65
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	366.97	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	550.45	
For K4 Factor Rating, Add	5,137.56	
For K13 Factor Rating, Add	7,339.37	
For K20 Factor Rating, Add	9,541.18	
26 22 13 00-0120 EA 45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	10,132.99	982.87
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	408.36	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	612.54	
For K4 Factor Rating, Add	5,717.08	
For K13 Factor Rating, Add	8,167.26	
For K20 Factor Rating, Add	10,617.44	
26 22 13 00-0121 EA 75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	14,689.58	1,134.08
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	621.07	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	931.61	
For K4 Factor Rating, Add	8,695.00	
For K13 Factor Rating, Add	12,421.43	
For K20 Factor Rating, Add	16,147.86	
26 22 13 00-0122 EA 112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	18,389.66	1,360.89
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	783.39	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,175.09	
For K4 Factor Rating, Add	10,967.51	
For K13 Factor Rating, Add	15,667.87	
For K20 Factor Rating, Add	20,368.23	
26 22 13 00-0123 EA 150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	22,043.93	1,512.11
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	950.99	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,426.48	
For K4 Factor Rating, Add	13,313.81	
For K13 Factor Rating, Add	19,019.73	
For K20 Factor Rating, Add	24,725.65	
26 22 13 00-0124 EA 225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	28,216.93	1,890.12
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,221.83	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,832.75	
For K4 Factor Rating, Add	17,105.67	
For K13 Factor Rating, Add	24,436.67	
For K20 Factor Rating, Add	31,767.67	
26 22 13 00-0125 EA 300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	34,345.77	2,343.76
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,482.91	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,224.37	
For K4 Factor Rating, Add	20,760.78	
For K13 Factor Rating, Add	29,658.26	
For K20 Factor Rating, Add	38,555.74	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0126	EA			500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	54,458.08 2,435.61 3,653.41 34,098.47 48,712.10 63,325.73	2,872.99
26 22 13 00-0127				3 Phase 60 Hz K20 Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0128				3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129	EA			15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	4,588.73	680.44
26 22 13 00-0130	EA			30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	6,776.37	831.65
26 22 13 00-0131	EA			45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	9,751.60	982.87
26 22 13 00-0132	EA			75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	12,360.95	1,134.08
26 22 13 00-0133	EA			112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	18,290.44	1,360.89
26 22 13 00-0134	EA			150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	22,130.75	1,512.11
26 22 13 00-0135	EA			225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	25,844.89	1,890.12
26 22 13 00-0136	EA			300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	40,513.07	2,343.76
26 22 13 00-0137				3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA			15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,236.77	680.44
26 22 13 00-0139	EA			30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	7,799.61	831.65
26 22 13 00-0140	EA			45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	11,308.16	982.87
26 22 13 00-0141	EA			75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	14,376.41	1,134.08
26 22 13 00-0142	EA			112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	21,403.55	1,360.89
26 22 13 00-0143	EA			150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	25,953.93	1,512.11
26 22 13 00-0144	EA			225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	30,257.19	1,890.12
26 22 13 00-0145	EA			300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	47,678.81	2,343.76
26 22 13 00-0146				NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0147				Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small> Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148				150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0149	EA			15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,543.42	671.94
26 22 13 00-0150	EA			30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,323.46	821.26
26 22 13 00-0151	EA			45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,198.84	970.59
26 22 13 00-0152	EA			75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,855.76	1,119.90
26 22 13 00-0153	EA			112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,067.27	1,343.89
26 22 13 00-0154	EA			150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,158.40	1,493.21
26 22 13 00-0155	EA			225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	14,717.33	1,866.51
26 22 13 00-0156	EA			300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	20,505.31	2,314.47
26 22 13 00-0157				115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0158	EA			15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,205.20	671.94
26 22 13 00-0159	EA			30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,125.08	821.26
26 22 13 00-0160	EA			45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,176.35	970.59
26 22 13 00-0161	EA			75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,240.77	1,119.90
26 22 13 00-0162	EA			112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,496.81	1,343.89
26 22 13 00-0163	EA			150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	13,610.00	1,493.21
26 22 13 00-0164	EA			225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	18,012.84	1,866.51
26 22 13 00-0165	EA			300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	25,268.22	2,314.47
26 22 13 00-0166				80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0167 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,864.31	671.94
26 22 13 00-0168 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,928.92	821.26
26 22 13 00-0169 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,153.88	970.59
26 22 13 00-0170 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,623.55	1,119.90
26 22 13 00-0171 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,300.44	1,343.89
26 22 13 00-0172 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,061.60	1,493.21
26 22 13 00-0173 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	21,308.36	1,866.51
26 22 13 00-0174 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	30,031.13	2,314.47
26 22 13 00-0175 Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small>		
Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0176 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0177 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,643.86	671.94
26 22 13 00-0178 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,661.71	821.26
26 22 13 00-0179 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,826.55	970.59
26 22 13 00-0180 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,162.62	1,119.90
26 22 13 00-0181 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	12,327.15	1,343.89
26 22 13 00-0182 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	15,329.01	1,493.21
26 22 13 00-0183 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	20,321.93	1,866.51
26 22 13 00-0184 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	28,608.27	2,314.47
26 22 13 00-0185 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0186 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,302.97	671.94
26 22 13 00-0187 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,465.56	821.26
26 22 13 00-0188 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,804.08	970.59
26 22 13 00-0189 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	10,547.63	1,119.90
26 22 13 00-0190 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	15,836.44	1,343.89
26 22 13 00-0191 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	19,840.30	1,493.21
26 22 13 00-0192 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	25,300.84	1,866.51
26 22 13 00-0193 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	37,401.51	2,314.47
26 22 13 00-0194 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0195 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,964.29	671.94
26 22 13 00-0196 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,269.39	821.26
26 22 13 00-0197 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,781.59	970.59
26 22 13 00-0198 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,930.41	1,119.90
26 22 13 00-0199 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	18,655.45	1,343.89
26 22 13 00-0200 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	23,930.76	1,493.21
26 22 13 00-0201 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	30,277.51	1,866.51
26 22 13 00-0202 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	44,424.52	2,314.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0203 3 Phase Weathershields <small>(26 22 13 00-0056)</small> Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204 EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	852.69	
26 22 13 00-0205 EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	1,448.03	
26 22 13 00-0206 EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	1,448.03	
26 22 13 00-0207 Three Phase Mounting Brackets <small>(26 22 13 00-0056)</small>		
26 22 13 00-0208 EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA.....	995.74	270.28
26 22 13 00-0209 Pad Mounted Commercial Type Distribution Transformers UL Listed <small>(26 22 13)</small>		
26 22 13 00-0210 Distribution 3 Phase Oil Filled Transformer <small>(26 22 13 00-0209)</small> Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22 13 00-0211 Factory Modifications <small>(26 22 13 00-0210)</small> Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212 EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	1,562.45	
26 22 13 00-0213 EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	254.07	
26 22 13 00-0214 EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification.....	1,016.29	
26 22 13 00-0215 EA Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	2,927.98	
26 22 13 00-0216 EA Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	358.69	
26 22 13 00-0217 EA Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification.....	283.96	
26 22 13 00-0218 Accessories For Transformer Liquid Containment Area <small>(26 22 13 00-0210)</small> Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219 EA Containment Area For 75 KVA.....	6,308.88	2,186.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,457.75	
26 22 13 00-0220 EA Containment Area For 112.5 KVA.....	6,308.88	2,186.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,457.75	
26 22 13 00-0221 EA Containment Area For 150 KVA.....	6,308.88	2,186.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,457.75	
26 22 13 00-0222 EA Containment Area For 225 KVA.....	6,308.88	2,186.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,457.75	
26 22 13 00-0223 EA Containment Area For 300 KVA.....	6,301.04	2,186.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,455.40	
26 22 13 00-0224 EA Containment Area For 500 KVA.....	6,301.04	2,186.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,455.40	
26 22 13 00-0225 EA Containment Area For 750 KVA.....	6,342.89	2,186.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,455.40	
26 22 13 00-0226 EA Containment Area For 1,000 KVA.....	6,949.67	2,186.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,455.40	
26 22 13 00-0227 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22 13 00-0228 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	10,790.05	1,791.85
26 22 13 00-0229 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,686.77	1,791.85
26 22 13 00-0230 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	12,284.58	1,791.85
26 22 13 00-0231 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	14,078.03	1,791.85
26 22 13 00-0232 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	15,580.17	2,687.77
26 22 13 00-0233 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	16,177.98	2,687.77
26 22 13 00-0234 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	23,351.77	2,687.77
26 22 13 00-0235 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	29,949.49	3,583.70
26 22 13 00-0236 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	37,721.09	3,583.70
26 22 13 00-0237 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22 13 00-0238 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	11,088.95	1,791.85
26 22 13 00-0239 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	12,284.58	1,791.85
26 22 13 00-0240 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	12,583.49	1,791.85
26 22 13 00-0241 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	12,882.40	1,791.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0242 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	15,580.17	2,687.77
26 22 13 00-0243 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	16,775.80	2,687.77
26 22 13 00-0244 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	23,351.77	2,687.77
26 22 13 00-0245 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	30,248.40	3,583.70
26 22 13 00-0246 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	37,721.09	3,583.70
26 22 13 00-0247 Primary 5 KV Or 15 KV, Secondary 277/480 Volt <small>(26 22 13 00-0209)</small> Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248 EA 150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	45,070.83	2,378.57
26 22 13 00-0249 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	49,312.20	2,807.95
26 22 13 00-0250 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	55,482.87	3,431.94
26 22 13 00-0251 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	66,003.03	3,861.32
26 22 13 00-0252 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	80,870.03	4,064.43
26 22 13 00-0253 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	98,206.06	5,938.71
26 22 13 00-0254 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	115,448.00	6,718.69
26 22 13 00-0255 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	144,275.61	7,722.64
26 22 13 00-0256 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	159,427.74	8,108.77
26 22 13 00-0257 EA 3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	168,381.82	9,035.79
26 22 13 00-0258 EA 3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	193,271.37	9,653.61
26 22 13 00-0259 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled <small>(26 22 13 00-0209)</small>		
26 22 13 00-0260 EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	69,276.48	6,654.47
26 22 13 00-0261 EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	84,807.89	7,652.68
26 22 13 00-0262 EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	95,903.16	8,055.40
26 22 13 00-0263 EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	102,227.34	9,003.14
26 22 13 00-0264 EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	113,940.68	9,275.94
26 22 13 00-0265 Silicone Filled Distribution Transformers, 3 Phase <small>(26 22 13 00-0209)</small> Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0266 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	77,382.99	2,807.95
26 22 13 00-0267 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	83,214.57	3,431.94
26 22 13 00-0268 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	97,448.99	3,861.32
26 22 13 00-0269 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	117,887.37	4,064.43
26 22 13 00-0270 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	141,671.18	5,938.71
26 22 13 00-0271 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	179,863.17	6,718.69
26 22 13 00-0272 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	218,685.88	7,722.64
26 22 13 00-0273 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	249,915.27	8,108.77
26 22 13 00-0274 Foam Core Poly Transformer Pads <small>(26 22 13)</small>		
26 22 13 00-0275 EA Single Phase Foam Core Poly Pads.....	270.61	49.92
Note: Excludes site prep.		
26 24 Switchboards and Panelboards <small>(26 20)</small>		
26 24 13 Switchboards <small>(26 24)</small>		
Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.		
26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0002 Incoming Service Section Main Device Only <small>(26 24 13 00-0001)</small> Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003 EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,397.28	1,293.71
26 24 13 00-0004 EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,829.81	1,368.40
26 24 13 00-0005 EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,400.02	1,552.24
26 24 13 00-0006 EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,966.52	1,664.05
26 24 13 00-0007 EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	12,238.20	1,774.24
26 24 13 00-0008 EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,588.48	1,886.51
26 24 13 00-0009 EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	5,158.01	1,293.71
26 24 13 00-0010 EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	6,433.05	1,368.40
26 24 13 00-0011 EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	8,750.21	1,553.57
26 24 13 00-0012 EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	11,689.95	1,664.05
26 24 13 00-0013 EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	12,238.20	1,776.02
26 24 13 00-0014 EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,588.48	1,886.51
26 24 13 00-0015 EA 2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	16,148.13	1,972.29
26 24 13 00-0016 EA 3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	18,242.32	2,112.95
26 24 13 00-0017 EA 4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	21,395.73	2,277.71
26 24 13 00-0018 EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,149.95	1,146.25
26 24 13 00-0019 EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,447.96	1,220.35
26 24 13 00-0020 EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,953.86	1,404.78
26 24 13 00-0021 EA 1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,236.94	1,463.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0022 EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,482.83	1,516.60
26 24 13 00-0023 EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,888.40	1,626.05
26 24 13 00-0024 EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,279.78	1,737.57
26 24 13 00-0025 Branch Breaker Units <small>(26 24 13 00-0001)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026 EA 15 To 60 Amperes, 240 Volt, MC Branch Breaker.....	337.11	45.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.07	
26 24 13 00-0027 EA 70 To 100 Amperes, 240 Volt, MC Branch Breaker.....	496.90	70.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.60	
26 24 13 00-0028 EA 125 To 225 Amperes, 240 Volt, MC Branch Breaker.....	1,297.31	129.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.65	
26 24 13 00-0029 EA 100 To 400 Amperes, 240 Volt, MC Branch Breaker.....	2,266.05	168.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.17	
26 24 13 00-0030 EA 300 To 600 Amperes, 240 Volt, MC Branch Breaker.....	4,105.60	414.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	248.44	
26 24 13 00-0031 EA 400 To 800 Amperes, 240 Volt, MC Branch Breaker.....	6,421.74	414.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	248.44	
26 24 13 00-0032 EA 600 To 1,200 Amperes, 240 Volt, MC Branch Breaker.....	10,452.10	738.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	442.82	
26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0034 Incoming Service Section Main Device Only <small>(26 24 13 00-0033)</small>		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035 EA 400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,189.19	1,678.70
26 24 13 00-0036 EA 600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,860.31	1,678.70
26 24 13 00-0037 EA 800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	9,741.18	2,181.57
26 24 13 00-0038 EA 1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	10,962.43	2,181.57
26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0040 Incoming Service Section Main Device Only <small>(26 24 13 00-0039)</small>		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041 EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	3,946.53	1,146.25
26 24 13 00-0042 EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	4,360.22	1,220.35
26 24 13 00-0043 EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,397.34	1,404.78
26 24 13 00-0044 EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,944.02	1,515.42
26 24 13 00-0045 EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	4,668.68	1,146.25
26 24 13 00-0046 EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	5,758.23	1,220.35
26 24 13 00-0047 EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	7,897.20	1,404.78
26 24 13 00-0048 EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	11,034.69	1,515.42
26 24 13 00-0049 EA 2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	12,906.92	1,700.88
26 24 13 00-0050 EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	2,882.26	998.20
26 24 13 00-0051 EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,201.77	1,072.44
26 24 13 00-0052 EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,757.36	1,256.88
26 24 13 00-0053 EA 1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,022.03	1,315.89
26 24 13 00-0054 EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,275.36	1,368.40
26 24 13 00-0055 EA 1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,626.53	1,463.80
26 24 13 00-0056 EA 2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,967.08	1,552.24
26 24 13 00-0057 EA 2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	6,162.67	1,922.74
26 24 13 00-0058 EA 3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	6,871.77	2,107.62
26 24 13 00-0059 EA 4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	7,959.97	2,274.01
26 24 13 00-0060 Branch Breaker Units <small>(26 24 13 00-0039)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061 EA 15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker.....	190.42	39.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.52	
26 24 13 00-0062 EA 70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker.....	304.22	65.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.05	
26 24 13 00-0063 EA 125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker.....	860.87	90.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.58	
26 24 13 00-0064 EA 100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker.....	2,386.26	116.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.10	
26 24 13 00-0065 EA 300 To 600 Amperes, 120/240 Volt, MC Branch Breaker.....	3,820.62	284.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	170.81	
26 24 13 00-0066 EA 400 To 800 Amperes, 120/240 Volt, MC Branch Breaker.....	5,357.52	284.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	170.81	
26 24 13 00-0067 EA 600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker.....	8,879.69	543.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	326.16	
26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire <small>(26 24 13)</small>		
26 24 13 00-0069 Incoming Service Section Main Device Only <small>(26 24 13 00-0068)</small>		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070 EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,399.09	1,293.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0071 EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,827.78	1,368.40
26 24 13 00-0072 EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,397.41	1,552.24
26 24 13 00-0073 EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,963.52	1,664.05
26 24 13 00-0074 EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	12,231.38	1,774.24
26 24 13 00-0075 EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,588.48	1,886.51
26 24 13 00-0076 EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,159.82	1,293.71
26 24 13 00-0077 EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,431.02	1,368.40
26 24 13 00-0078 EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,750.21	1,553.57
26 24 13 00-0079 EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,686.95	1,664.05
26 24 13 00-0080 EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,234.78	1,776.02
26 24 13 00-0081 EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,588.48	1,886.51
26 24 13 00-0082 EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,269.12	1,146.25
26 24 13 00-0083 EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,618.00	1,220.35
26 24 13 00-0084 EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,207.73	1,404.78
26 24 13 00-0085 EA 1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,498.45	1,463.80
26 24 13 00-0086 EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,776.95	1,516.60
26 24 13 00-0087 EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,173.17	1,626.05
26 24 13 00-0088 EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,575.28	1,737.57
26 24 13 00-0089 EA 2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,565.35	1,974.51
26 24 13 00-0090 EA 3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	7,220.20	2,112.80
26 24 13 00-0091 EA 4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	8,389.71	2,270.31
26 24 13 00-0092 Branch Breaker Units <small>(26 24 13 00-0068)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093 EA 15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	337.11	45.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	27.07	
26 24 13 00-0094 EA 70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	496.90	70.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	42.60	
26 24 13 00-0095 EA 125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,297.31	129.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	77.65	
26 24 13 00-0096 EA 100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,266.05	168.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	101.17	
26 24 13 00-0097 EA 300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	4,105.60	414.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	248.44	
26 24 13 00-0098 EA 400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	6,421.74	414.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	248.44	
26 24 13 00-0099 EA 600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	10,452.10	738.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	442.82	
26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire <small>(26 24 13)</small>		
26 24 13 00-0101 Incoming Service Section Main Device Only <small>(26 24 13 00-0100)</small>		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,761.30	1,774.24
26 24 13 00-0103 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,286.69	1,886.51
26 24 13 00-0104 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,592.14	2,105.69
26 24 13 00-0105 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	9,363.73	2,254.63
26 24 13 00-0106 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,052.85	1,774.24
26 24 13 00-0107 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,181.48	1,886.51
26 24 13 00-0108 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,385.35	2,108.06
26 24 13 00-0109 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,868.04	2,254.63
26 24 13 00-0110 EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,491.13	2,404.17
26 24 13 00-0111 EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,922.60	2,553.55
26 24 13 00-0112 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,269.12	1,146.25
26 24 13 00-0113 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,618.00	1,220.35
26 24 13 00-0114 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,207.73	1,404.78
26 24 13 00-0115 EA 1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,498.45	1,463.80
26 24 13 00-0116 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,776.95	1,516.60
26 24 13 00-0117 EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,173.17	1,626.05
26 24 13 00-0118 EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,575.28	1,737.57
26 24 13 00-0119 Branch Breaker Units <small>(26 24 13 00-0100)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120 EA 15 To 60 Amperes, 480/277 Volt, MC Branch Breaker	668.87	45.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	27.07	
26 24 13 00-0121 EA 70 To 100 Amperes, 480/277 Volt, MC Branch Breaker	782.36	70.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	42.60	
26 24 13 00-0122 EA 125 To 225 Amperes, 480/277 Volt, MC Branch Breaker	1,419.22	129.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	77.65	
26 24 13 00-0123 EA 100 To 400 Amperes, 480/277 Volt, MC Branch Breaker	2,266.05	168.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	101.17	
26 24 13 00-0124 EA 300 To 600 Amperes, 480/277 Volt, MC Branch Breaker	5,435.72	414.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	248.44	
26 24 13 00-0125 EA 400 To 800 Amperes, 480/277 Volt, MC Branch Breaker	5,554.54	414.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	248.44	
26 24 13 00-0126 EA 600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker	8,956.87	738.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	442.82	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Switchboards and Panelboards	26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0127 Fusible Branch Circuit Switch <small>(26 24 13)</small> Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0129 EA 30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	730.88	116.10
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0130 EA 30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	728.57	116.10
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0131 EA 60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	728.57	116.10
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0132 EA 60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,126.01	153.08
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0133 EA 100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,126.01	153.08
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0135 EA 100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	824.70	113.89
For Electrical Interlock Kit, Add	258.42	
26 24 13 00-0136 EA 200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	1,171.23	113.89
For Electrical Interlock Kit, Add	258.42	
26 24 13 00-0137 EA 400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	3,018.95	306.90
26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0139 EA 30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	925.84	130.90
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0140 EA 30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	923.53	130.90
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0141 EA 60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	923.53	130.90
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0142 EA 60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,378.12	175.27
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0143 EA 100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,378.12	175.27
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0145 EA 100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	993.29	128.67
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0146 EA 200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	1,558.20	128.67
For Electrical Interlock Kit, Add	258.42	
26 24 13 00-0147 EA 400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	4,002.94	343.58
26 24 13 00-0148 EA 600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	5,686.12	440.16
26 24 13 00-0149 EA 800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	10,449.88	596.35
26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0151 EA 30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,275.65	130.90
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0152 EA 30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,273.31	130.90
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0153 EA 60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,275.65	130.90
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0154 EA 60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,905.93	175.27
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0155 EA 100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,945.00	175.27
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0156 EA 200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	4,055.20	229.25
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0158 EA 100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	1,370.05	128.67
For Electrical Interlock Kit, Add	269.76	
26 24 13 00-0159 EA 200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	2,036.51	128.67
For Electrical Interlock Kit, Add	258.42	
26 24 13 00-0160 EA 400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	4,973.16	343.58
For Electrical Interlock Kit, Add	258.42	
26 24 13 00-0161 EA 600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	6,053.35	440.16
26 24 13 00-0162 EA 800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	10,449.88	596.35
26 24 13 00-0163 Service And Distribution Structures <small>(26 24 13)</small>		
26 24 13 00-0164 Distribution Section 600 Volt, 250 Volt DC <small>(26 24 13 00-0163)</small>		
26 24 13 00-0165 600 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small>		
26 24 13 00-0166 EA 14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,188.43	1,360.70
26 24 13 00-0167 EA 24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,743.90	1,360.70
26 24 13 00-0168 EA 34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,170.67	1,730.46

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0169 EA 42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,648.48	1,730.46
26 24 13 00-0170 800 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0171 EA 14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,623.26	1,575.16
26 24 13 00-0172 EA 24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,159.84	1,575.16
26 24 13 00-0173 EA 34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,648.48	1,952.32
26 24 13 00-0174 EA 42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,077.72	1,952.32
26 24 13 00-0175 1,200 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0176 EA 14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,296.27	1,922.74
26 24 13 00-0177 EA 24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,849.00	1,922.74
26 24 13 00-0178 EA 34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,371.17	2,366.45
26 24 13 00-0179 EA 42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,000.02	2,366.45
26 24 13 00-0180 1,600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,131.65	2,107.62
26 24 13 00-0182 EA 24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,813.64	2,107.62
26 24 13 00-0183 EA 34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,441.02	2,603.10
26 24 13 00-0184 EA 42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,988.81	2,603.10
26 24 13 00-0185 2,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,405.85	2,115.01
26 24 13 00-0187 EA 24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,152.26	2,381.24
26 24 13 00-0188 EA 34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,251.41	2,381.24
26 24 13 00-0189 EA 42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,541.64	2,514.35
26 24 13 00-0190 3,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0191 EA 24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,094.92	2,381.24
26 24 13 00-0192 EA 34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,192.59	2,381.24
26 24 13 00-0193 EA 42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,482.82	2,514.35
26 24 13 00-0194 4,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0195 EA 24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,284.53	2,514.35
26 24 13 00-0196 EA 34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,482.82	2,514.35
26 24 13 00-0197 EA 42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,587.62	2,514.35
26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	610.73	177.48
26 24 13 00-0200 EA Drilled Bottom For Pull Boy.....	690.07	177.48
26 24 13 00-0201 EA Cable Supports In Pull Box.....	230.15	44.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>24.65</i>	
26 24 13 00-0202 Underground Pull Sections (26 24 13 00-0164)		
Note: Excludes no bus or terminal.		
26 24 13 00-0203 EA 12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal.....	610.16	207.07
26 24 13 00-0204 EA 24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal.....	1,016.17	266.22
26 24 13 00-0205 EA 24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal.....	1,016.17	266.22
26 24 13 00-0206 EA 14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	775.43	207.07
26 24 13 00-0207 EA 28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	1,084.17	303.20
26 24 13 00-0208 EA 14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,247.73	303.20
26 24 13 00-0209 EA 26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,321.18	391.94
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,410.67	391.94
26 24 13 00-0211 Switchboard Sections (26 24 13 00-0163)		
26 24 13 00-0212 EA 600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	4,730.91	1,232.47
26 24 13 00-0213 EA 800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,175.12	1,339.71
26 24 13 00-0214 EA 1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	6,510.49	1,711.83
26 24 13 00-0215 EA 1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	7,117.29	1,867.42
26 24 13 00-0216 EA 2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	7,588.13	1,987.96
26 24 13 00-0217 EA 400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section.....	5,380.50	1,081.17
26 24 13 00-0218 EA 200 Amperes, Distribution Section Subfeeder Lug-Rated.....	3,328.34	1,027.04
26 24 13 00-0219 EA 400 Amperes, Distribution Section Subfeeder Lug-Rated.....	3,672.34	1,113.71
26 24 13 00-0220 EA 120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus.....	8,120.71	1,232.47
26 24 13 00-0221 EA 800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	8,741.36	1,235.73
26 24 13 00-0222 EA 1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	9,607.09	1,379.64
26 24 13 00-0223 EA 15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	197.84	73.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>45.17</i>	
26 24 13 00-0224 EA 70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	239.58	75.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>53.36</i>	
26 24 13 00-0225 EA 70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	967.67	88.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>114.95</i>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0226 EA 125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,571.25	191.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>160.07</i>	
26 24 13 00-0227 EA 100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	656.21	266.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>92.44</i>	
26 24 13 00-0228 EA 225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	1,696.70	154.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>114.95</i>	
26 24 13 00-0229 Switchboard, Structure Per Section Copper, 480 Volt <small>(26 24 13 00-0163)</small>		
26 24 13 00-0230 EA 225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,454.42	641.90
26 24 13 00-0231 EA 400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,462.29	868.04
26 24 13 00-0232 EA 600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,937.40	1,056.47
26 24 13 00-0233 EA 800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	5,059.85	1,479.03
26 24 13 00-0234 EA 1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,280.34	1,848.79
26 24 13 00-0235 EA 1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,800.58	1,848.79
26 24 13 00-0236 EA 2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	8,512.84	2,465.11
26 24 13 00-0237 EA 2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	9,510.36	2,465.11
26 24 13 00-0238 EA 3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	11,206.47	2,934.55
26 24 13 00-0239 EA 4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	13,042.01	2,934.55
26 24 13 00-0240 Main Devices <small>(26 24 13)</small>		
26 24 13 00-0241 Power Circuit Breakers <small>(26 24 13 00-0240)</small>		
26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector <small>(26 24 13 00-0241)</small>		
<small>Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.</small>		
26 24 13 00-0243 EA 50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	8,163.41	1,552.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>929.82</i>	
26 24 13 00-0244 EA 50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	14,741.59	2,588.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,551.43</i>	
26 24 13 00-0245 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	32,234.40	4,348.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2,585.72</i>	
26 24 13 00-0246 EA 4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	52,070.66	7,040.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4,299.51</i>	
26 24 13 00-0247 EA Ground-Fault Trip All Power Breakers - Factory Installed	2,497.98	
26 24 13 00-0248 EA Key Interlock All Power Breakers - Factory Installed	322.61	
26 24 13 00-0249 EA Short Time Delay Selective Trip - Factory Installed	423.24	
26 24 13 00-0250 EA Shunt Trip Manually Open Breakers - Factory Installed.....	304.85	
26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small>		
<small>Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.</small>		
26 24 13 00-0252 EA 50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	9,449.13	1,626.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>980.79</i>	
26 24 13 00-0253 EA 50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	17,352.44	2,736.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,633.69</i>	
26 24 13 00-0254 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	36,015.08	4,511.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2,718.81</i>	
26 24 13 00-0255 EA 4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	55,991.77	7,395.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4,546.20</i>	
26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small>		
<small>Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.</small>		
26 24 13 00-0257 EA 50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip.....	6,617.89	1,419.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>853.29</i>	
26 24 13 00-0258 EA 50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	11,960.65	2,381.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,422.15</i>	
26 24 13 00-0259 EA 2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	18,006.66	3,993.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2,370.24</i>	
26 24 13 00-0260 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	30,924.16	6,433.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3,947.59</i>	
26 24 13 00-0261 EA 4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	55,472.69	10,501.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>6,563.75</i>	
26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated <small>(26 24 13 00-0241)</small>		
<small>Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.</small>		
26 24 13 00-0263 EA 50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	7,602.22	1,360.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>813.85</i>	
26 24 13 00-0264 EA 50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	14,014.94	2,277.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,356.08</i>	
26 24 13 00-0265 EA 2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	20,311.21	3,786.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2,263.82</i>	
26 24 13 00-0266 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	33,560.97	6,167.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3,773.04</i>	
26 24 13 00-0267 EA 4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	52,909.95	10,575.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>6,302.69</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0268 Molded Case Circuit Breakers Conventional (26 24 13 00-0241)		
26 24 13 00-0269 EA 70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	3,186.13	1,242.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	715.66	
26 24 13 00-0270 EA 125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	4,375.04	1,242.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	778.44	
26 24 13 00-0271 EA 300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	4,842.08	1,479.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	853.29	
26 24 13 00-0272 EA 400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	5,660.68	1,479.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	924.39	
26 24 13 00-0273 EA 600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	8,020.54	1,774.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,013.04	
26 24 13 00-0274 EA 1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	12,414.21	1,774.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,120.48	
26 24 13 00-0275 EA Shunt Trip, Factory Installed.....	319.65	
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed.....	73.99	
26 24 13 00-0277 Switchboard Branch Breaker 480 Volt (26 24 13 00-0240)		
26 24 13 00-0278 EA 60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	573.85	107.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.31	
26 24 13 00-0279 EA 100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	686.87	142.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.33	
26 24 13 00-0280 EA 225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,861.56	214.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.54	
26 24 13 00-0281 EA 400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,451.51	268.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	161.23	
26 24 13 00-0282 EA 600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,989.44	360.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	216.23	
26 24 13 00-0283 EA 800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	3,627.40	462.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	277.32	
26 24 13 00-0284 EA 1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,809.73	704.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	422.58	
26 24 13 00-0285 EA 1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,809.73	704.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	422.58	
26 24 13 00-0286 EA 1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	8,147.36	986.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	591.61	
26 24 13 00-0287 EA 2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	10,323.54	1,479.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	887.42	
26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker (26 24 13 00-0240)		
26 24 13 00-0289 EA 400 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	6,498.49	641.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	385.17	
26 24 13 00-0290 EA 600 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	6,620.53	702.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	421.78	
26 24 13 00-0291 EA 800 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	7,327.50	1,056.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	633.87	
26 24 13 00-0292 EA 1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	12,325.94	1,479.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	887.42	
26 24 13 00-0293 EA 1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	12,640.08	1,636.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	981.66	
26 24 13 00-0294 EA 2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	17,176.89	2,934.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,760.75	
26 24 13 00-0295 Branch Or Distribution Devices (26 24 13)		
26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297 EA 15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	646.18	53.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 24 13 00-0298 EA 70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	657.29	66.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	
26 24 13 00-0299 EA 125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,552.11	79.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.24	
26 24 13 00-0300 EA 70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,246.05	103.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.78	
26 24 13 00-0301 EA 125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,160.15	127.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.19	
26 24 13 00-0302 EA 300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	4,132.55	149.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.83	
26 24 13 00-0303 EA 900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	6,286.60	168.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.70	
26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305 EA 15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	446.43	39.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 24 13 00-0306 EA 70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	574.30	53.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 24 13 00-0307 EA 125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,541.84	66.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Switchboards and Panelboards	26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0308 EA 70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,431.02	73.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.81	
26 24 13 00-0309 EA 125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,575.98	96.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.34	
26 24 13 00-0310 EA 900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	5,809.11	139.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.18	
26 24 13 00-0311 Meter Devices And Instrumentation (26 24 13)		
Note: Factory installed accessories.		
26 24 13 00-0312 Compartments For Instrument Transformers And Metering Devices (26 24 13 00-0311)		
26 24 13 00-0313 EA Compartment For, Up To 800 Amperes, Primary Current Transformer	386.24	
26 24 13 00-0314 EA Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer.....	557.90	
26 24 13 00-0315 EA Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer.....	657.05	
26 24 13 00-0316 Instruments (26 24 13 00-0311)		
26 24 13 00-0317 EA AC Voltmeter.....	526.82	
26 24 13 00-0318 EA AC Ammeter	526.82	
26 24 13 00-0319 EA AC Wattmeter	1,407.33	
26 24 13 00-0320 EA Variometer	1,589.35	
26 24 13 00-0321 EA Power Factor Meter	1,269.71	
26 24 13 00-0322 EA Frequency Meter.....	1,401.41	
26 24 13 00-0323 EA 200 Volt-Amperes Max Potential Transformer.....	473.55	
26 24 13 00-0324 EA AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,783.21	
26 24 13 00-0325 EA AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	2,983.36	
26 24 13 00-0326 EA Weatherproof, Modify Meter	3,103.12	
26 24 13 00-0327 EA Control Switch Resistor Type 130 V	78.98	
26 24 13 00-0328 EA Metering Instrument: Voltage, Amperes And Watt Hour	3,598.69	
26 24 16 Panelboards (26 24)		
26 24 16 00-0001 Branch Circuit Panelboard (26 24 16)		
Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002 Assembled Lighting And Power Panelboards (26 24 16 00-0001)		
Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0004 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,331.26	421.52
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0005 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,527.48	421.52
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0006 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,746.36	584.22
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0007 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,964.25	584.22
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0008 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,172.32	732.12
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0009 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,385.64	732.12
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0010 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,590.92	843.05
<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0011 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,131.43	1,079.70
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0012 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,309.42	1,079.70
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0013 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,478.14	1,234.99
<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0014 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,746.81	1,234.99
<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0015	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,909.27	1,390.29
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0016	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,157.20	1,390.29
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0017	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,316.80	1,538.20
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0018	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,555.45	1,538.20
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0019	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,783.81	1,700.88
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0020	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,933.87	1,700.88
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0021	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,173.02	1,700.88
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0022			120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0022)</small>		
26 24 16 00-0023	EA		50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,525.44	406.74
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0024	EA		50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,724.86	406.74
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0025	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,202.93	695.15
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0026	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,492.07	695.15
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0027	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,704.06	850.44
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0028	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,926.10	850.44
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0029	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,121.38	1,020.53
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0030	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,761.57	1,020.53
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0031	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,938.65	1,249.78
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0032	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,132.51	1,249.78
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0033	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,346.51	1,405.08
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0034	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,516.71	1,405.08
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0035	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,699.36	1,538.20
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0036	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,896.32	1,538.20
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0037	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,109.97	1,819.21
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0038	EA			225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,343.13	1,819.21
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0039	EA			225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,599.37	1,819.21
				<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0040	EA			225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,753.47	1,922.74
				<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0041				120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042	EA			100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,593.48	480.68
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0043	EA			100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,801.41	480.68
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0044	EA			100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,034.79	643.38
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0045	EA			100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,276.39	643.38
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0046	EA			100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,495.28	791.28
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0047	EA			100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,730.26	791.28
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0048	EA			100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,949.70	939.18
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0049	EA			100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,184.01	939.18
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0050	EA			100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,393.61	1,101.88
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0051	EA			100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,634.83	1,101.88
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0052	EA			100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,887.66	1,271.96
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0053	EA			100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,128.82	1,271.96
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0054	EA			225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,632.65	1,538.20
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0055	EA			225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,811.71	1,538.20
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0056	EA			225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,089.01	1,708.28
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0057	EA			225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,351.85	1,708.28
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0058	EA			225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,527.92	1,863.58
				<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0059	EA			225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,802.06	1,863.58
				<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0060	EA			400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,502.69	1,653.56
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0061	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,699.82	1,737.86
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0062	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,991.62	1,830.31
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0063	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,277.36	1,937.53
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0064	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,466.97	1,996.70
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0065	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,789.43	2,118.71
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0066			120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0067	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,830.89	465.89
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0068	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,041.83	465.89
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0069	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,286.34	613.80
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0070	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,602.41	613.80
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0071	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,149.97	924.39
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0072	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,362.01	924.39
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0073	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,595.44	1,079.70
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0074	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,794.95	1,079.70
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0075	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,054.52	1,249.78
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0076	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,241.81	1,249.78
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0077	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,521.73	1,405.08
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0078	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,755.59	1,405.08
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0079	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,549.93	1,626.94
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0080	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,807.19	1,715.68
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0081	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,923.36	1,715.68
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0082	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,215.69	1,937.53
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0083	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,409.47	1,937.53
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	26 24	16 00-0084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two- 20 Ampere Breakers	6,552.07	1,937.53	
				<i>For NEMA 3R Panelboard, Add</i>	1,995.59		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89		
	26 24	16 00-0085	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,449.20	1,782.23	
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57		
	26 24	16 00-0086	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,733.64	1,885.77	
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57		
	26 24	16 00-0087	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,854.49	1,937.53	
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57		
	26 24	16 00-0088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,171.98	2,055.85	
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57		
	26 24	16 00-0089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	7,365.36	2,115.01	
				<i>For NEMA 3R Panelboard, Add</i>	1,995.59		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89		
	26 24	16 00-0090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	7,559.45	2,188.97	
				<i>For NEMA 3R Panelboard, Add</i>	1,995.59		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89		
26 24	16 00-0091	480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>					
	26 24	16 00-0092	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,755.96	473.29	
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99		
	26 24	16 00-0093	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,024.25	473.29	
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99		
	26 24	16 00-0094	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,279.84	650.77	
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99		
	26 24	16 00-0095	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,548.08	650.77	
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99		
	26 24	16 00-0096	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,795.63	813.46	
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99		
	26 24	16 00-0097	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,058.55	813.46	
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99		
	26 24	16 00-0098	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,334.65	983.55	
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99		
	26 24	16 00-0099	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,584.41	983.55	
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61		
	26 24	16 00-0100	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,862.90	1,168.44	
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61		
	26 24	16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,130.41	1,168.44	
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61		
	26 24	16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,373.19	1,331.13	
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61		
	26 24	16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,636.13	1,331.13	
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61		
	26 24	16 00-0104	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,214.93	1,619.54	
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57		
	26 24	16 00-0105	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,477.51	1,619.54	
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57		
	26 24	16 00-0106	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,759.60	1,774.84	
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37		
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty- Eight 20 Ampere Breakers.....	5,954.93	1,774.84
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24	16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,273.24	1,959.72
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24	16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,489.22	1,959.72
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24	16 00-0110		480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)		
26 24	16 00-0111	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,209.58	502.87
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24	16 00-0112	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,470.85	547.24
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24	16 00-0113	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,735.44	680.35
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24	16 00-0114	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	3,300.99	828.26
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24	16 00-0115	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,558.04	917.00
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24	16 00-0116	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,789.10	990.96
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24	16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	4,047.49	1,079.70
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24	16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	4,294.76	1,168.44
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24	16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,517.87	1,242.39
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24	16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,759.90	1,316.33
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24	16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	5,024.82	1,405.08
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24	16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,317.76	1,516.01
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24	16 00-0123	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	6,546.83	1,686.09
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24	16 00-0124	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	6,826.22	1,789.63
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24	16 00-0125	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	7,014.21	1,834.00
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24	16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	7,332.99	1,952.32
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24	16 00-0127	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	7,543.50	2,026.27
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24	16 00-0128	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	7,763.16	2,089.88
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24	16 00-0129		277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0130	EA			100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,102.49	517.66
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0131	EA			100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,394.14	517.66
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0132	EA			100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,676.81	687.75
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0133	EA			100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,962.23	687.75
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0134	EA			100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,253.21	850.44
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0135	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,537.00	850.44
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0136	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,826.38	1,020.53
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0137	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,114.31	1,020.53
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0138	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,434.04	1,198.02
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0139	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,692.86	1,198.02
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0140	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,969.46	1,205.41
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0141	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,267.52	1,205.41
				<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0142	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,017.22	1,671.31
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0143	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,321.26	1,671.31
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0144	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,542.94	1,760.05
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0145	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,880.22	1,878.37
				<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0146	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	7,120.79	1,878.37
				<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0147	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	7,501.41	2,055.85
				<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0148				277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0149	EA			50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,711.06	635.98
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0150	EA			50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	3,010.91	635.98
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0151	EA			50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	3,297.39	843.05
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0152	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	3,935.97	843.05
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0153	EA			100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	4,218.29	1,064.90
				<i>For NEMA 3R Panelboard, Add</i>	1,475.99	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0154	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	4,500.08	1,064.90
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0155	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,770.75	1,220.20
			<i>For NEMA 3R Panelboard, Add</i>	1,475.99	
26 24 16 00-0156	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	5,017.25	1,220.20
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0157	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	5,282.67	1,390.29
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0158	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	5,570.98	1,390.29
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0159	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	5,812.19	1,538.20
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0160	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	6,067.72	1,538.20
			<i>For NEMA 3R Panelboard, Add</i>	1,623.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0161	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	7,737.75	1,819.21
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0162	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	8,056.45	1,819.21
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0163	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	8,278.45	1,989.29
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0164	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	8,640.51	1,989.29
			<i>For NEMA 3R Panelboard, Add</i>	1,917.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0165	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	8,887.45	2,174.18
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0166	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	9,144.50	2,174.18
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0167	EA		400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	10,731.92	2,421.18
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0168	EA		600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	13,037.70	2,906.29
			<i>For NEMA 3R Panelboard, Add</i>	1,995.59	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0169			Unassembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0170			240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0171			Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0172	EA		100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	633.89	
26 24 16 00-0173	EA		100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	734.46	
26 24 16 00-0174	EA		225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,022.42	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0175	EA		225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,184.61	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0176	EA		225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,344.77	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0177 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,513.99	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0178 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,647.72	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0179 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,809.17	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0180 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,048.81	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0181 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,184.67	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0182 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,398.53	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0184 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	949.41	
26 24 16 00-0185 EA 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,084.16	
26 24 16 00-0186 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,754.19	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0187 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,957.89	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0188 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,153.64	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0189 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,602.28	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0190 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,852.23	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0191 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,072.20	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0193 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,223.97	
26 24 16 00-0194 EA 100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,317.79	
26 24 16 00-0195 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,591.70	
26 24 16 00-0196 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,751.08	
26 24 16 00-0197 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,900.57	
26 24 16 00-0198 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,178.81	
26 24 16 00-0199 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,305.23	
26 24 16 00-0200 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,459.94	
26 24 16 00-0201 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,751.29	
26 24 16 00-0202 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,882.44	
26 24 16 00-0203 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,085.68	
26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0205 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,532.75	
26 24 16 00-0206 EA 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,660.19	
26 24 16 00-0207 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,432.50	
26 24 16 00-0208 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,622.71	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0209	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,808.35	
26 24 16 00-0210	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,242.94	
26 24 16 00-0211	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,486.14	
26 24 16 00-0212	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,704.43	
26 24 16 00-0213			240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
			Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
26 24 16 00-0214			Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215	EA		100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	718.60	
26 24 16 00-0216	EA		100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	849.02	
26 24 16 00-0217	EA		100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	963.35	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0218	EA		225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,106.71	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0219	EA		225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,276.65	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0220	EA		225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,417.76	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0221	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,637.25	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0222	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,769.05	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0223	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,917.05	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0224	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,184.42	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0225	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,401.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0226	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,813.76	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0227			Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,108.90	
26 24 16 00-0229	EA		100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,253.59	
26 24 16 00-0230	EA		100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,472.63	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0231	EA		225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,145.72	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0232	EA		225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,328.43	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0233	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,511.39	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0234	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,427.86	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0235	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,664.75	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0236	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,859.31	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0237			Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0238	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,308.68	
26 24 16 00-0239	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,432.35	
26 24 16 00-0240	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,539.38	
26 24 16 00-0241	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,675.99	
26 24 16 00-0242	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,843.12	
26 24 16 00-0243	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,973.55	
26 24 16 00-0244	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,302.08	
26 24 16 00-0245	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,426.57	
26 24 16 00-0246	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,567.83	
26 24 16 00-0247	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,886.90	
26 24 16 00-0248	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,090.99	
26 24 16 00-0249	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,503.31	
26 24 16 00-0250		Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0251	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,692.24	
26 24 16 00-0252	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,829.62	
26 24 16 00-0253	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,044.73	
26 24 16 00-0254	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,824.03	
26 24 16 00-0255	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,993.26	
26 24 16 00-0256	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,166.10	
26 24 16 00-0257	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,657.69	
26 24 16 00-0258	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,900.43	
26 24 16 00-0259	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,104.88	
26 24 16 00-0260		480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
		Note: As manufactured by Square D or equal.		
26 24 16 00-0261		Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0262	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,000.75	
26 24 16 00-0263	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,107.60	
26 24 16 00-0264	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,545.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0265	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,730.23	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,891.25	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,916.60	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0268	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,029.25	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0269	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,210.06	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0270	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,423.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0271	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,598.28	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0272	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,844.28	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 16 00-0273	Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,999.99
26 24 16 00-0275	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,062.67
26 24 16 00-0276	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,242.89
26 24 16 00-0277	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,373.82
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>118.61</i>
26 24 16 00-0278	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,655.12
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>202.57</i>
26 24 16 00-0279	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,445.18
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>118.61</i>
26 24 16 00-0280	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,610.54
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>202.57</i>
26 24 16 00-0281	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,828.40
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>258.89</i>
26 24 16 00-0282	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,999.73
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>118.61</i>
26 24 16 00-0283	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,248.67
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>202.57</i>
26 24 16 00-0284	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,468.20
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>258.89</i>
26 24 16 00-0285	Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0286	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,570.60
26 24 16 00-0287	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,677.44
26 24 16 00-0288	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,101.36
26 24 16 00-0289	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,384.38
26 24 16 00-0290	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,534.15
26 24 16 00-0291	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,559.50
26 24 16 00-0292	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,655.29
26 24 16 00-0293	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,811.94
26 24 16 00-0294	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,081.07
26 24 16 00-0295	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,242.72
26 24 16 00-0296	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,459.47
26 24 16 00-0297	Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0298	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,691.22
26 24 16 00-0299	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,753.91
26 24 16 00-0300	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,804.31
26 24 16 00-0301	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,930.18
26 24 16 00-0302	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,309.26
26 24 16 00-0303	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,088.09
26 24 16 00-0304	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,236.59
26 24 16 00-0305	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,430.28
26 24 16 00-0306	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,601.61



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Switchboards and Panelboards	26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0307 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,835.24	
26 24 16 00-0308 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,052.61	
26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311 EA 125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,038.97	
26 24 16 00-0312 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,146.37	
26 24 16 00-0313 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,331.45	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0314 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,601.25	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0315 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,787.75	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0316 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,947.70	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0317 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,990.74	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0318 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,121.41	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0319 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,300.77	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0320 EA 600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,513.74	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0321 EA 600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,690.29	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0322 EA 600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,937.39	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324 EA 100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,196.68	
26 24 16 00-0325 EA 100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,259.93	
26 24 16 00-0326 EA 100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,452.60	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0327 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,513.29	
26 24 16 00-0328 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,644.65	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0329 EA 125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,925.35	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0330 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,762.17	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0331 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,929.51	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0332 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,145.07	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	
26 24 16 00-0333 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,379.57	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	118.61	
26 24 16 00-0334 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,630.68	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	202.57	
26 24 16 00-0335 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,850.30	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	258.89	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0336	Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337	EA 125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	1,608.81	
26 24 16 00-0338	EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	1,716.22	
26 24 16 00-0339	EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	1,892.86	
26 24 16 00-0340	EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,157.61	
26 24 16 00-0341	EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,441.90	
26 24 16 00-0342	EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,590.61	
26 24 16 00-0343	EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,635.33	
26 24 16 00-0344	EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,747.46	
26 24 16 00-0345	EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,902.65	
26 24 16 00-0346	EA 600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	3,171.82	
26 24 16 00-0347	EA 600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	3,334.32	
26 24 16 00-0348	EA 600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	3,551.07	
26 24 16 00-0349	Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350	EA 100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	2,753.04	
26 24 16 00-0351	EA 100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	2,816.29	
26 24 16 00-0352	EA 100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,106.74	
26 24 16 00-0353	EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,074.71	
26 24 16 00-0354	EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,201.01	
26 24 16 00-0355	EA 125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,579.49	
26 24 16 00-0356	EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	4,405.07	
26 24 16 00-0357	EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	4,555.56	
26 24 16 00-0358	EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	4,746.95	
26 24 16 00-0359	EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	4,981.45	
26 24 16 00-0360	EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,216.82	
26 24 16 00-0361	EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,433.64	
26 24 16 00-0362	600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: Square D I-Line or equal.		
26 24 16 00-0363	Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0364	EA 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,930.99	439.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	263.94	
26 24 16 00-0365	EA 400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,212.62	439.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	263.87	
26 24 16 00-0366	EA 400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,424.75	439.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	263.87	
26 24 16 00-0367	EA 600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,908.24	722.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	433.32	
26 24 16 00-0368	EA 600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,072.42	722.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	433.32	
26 24 16 00-0369	EA 600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,252.58	722.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	433.32	
26 24 16 00-0370	EA 800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,630.10	960.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	576.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0371 EA 800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,789.98	962.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	577.76	
26 24 16 00-0372 EA 800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,852.40	960.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	576.00	
26 24 16 00-0373 EA 800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,373.28	960.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	576.00	
26 24 16 00-0374 EA 1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,824.45	1,444.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	866.64	
26 24 16 00-0375 EA 1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,178.97	1,444.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	866.64	
26 24 16 00-0376 EA 1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,468.83	1,444.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	866.64	
26 24 16 00-0377 EA 1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,822.62	1,444.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	866.64	
26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379 EA 225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,472.98	449.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	269.51	
26 24 16 00-0380 EA 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,507.53	509.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.71	
26 24 16 00-0381 EA 400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,712.39	509.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.71	
26 24 16 00-0382 EA 400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,315.36	509.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.71	
26 24 16 00-0383 EA 600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,042.69	835.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	501.14	
26 24 16 00-0384 EA 600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,382.76	837.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	502.47	
26 24 16 00-0385 EA 600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,660.19	835.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	501.14	
26 24 16 00-0386 EA 800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,943.58	1,116.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	669.95	
26 24 16 00-0387 EA 800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,341.79	1,112.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	667.59	
26 24 16 00-0388 EA 800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,741.35	1,112.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	667.59	
26 24 16 00-0389 Residential Lighting And Power Panelboards <small>(26 24 16 00-0001)</small>		
<i>See CSI section 26 28 16 13-0001 for circuit breakers.</i>		
26 24 16 00-0390 Residential Type Unassembled Load Center <small>(26 24 16 00-0389)</small>		
<i>Note: Interior box and cover, includes ground bar kit.</i>		
26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt <small>(26 24 16 00-0390)</small>		
26 24 16 00-0392 EA 30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	183.45	73.95
26 24 16 00-0393 EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	644.42	295.81
26 24 16 00-0394 EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	958.84	422.26
26 24 16 00-0395 EA 125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,040.31	887.57
26 24 16 00-0396 EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,225.65	961.37
26 24 16 00-0397 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0390)</small>		
<i>Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.</i>		
26 24 16 00-0398 EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	242.26	81.35
26 24 16 00-0399 EA 125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	398.92	88.74

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0400 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof ^(26 24 16 00-0390)		
26 24 16 00-0401 EA 40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	245.51	81.35
26 24 16 00-0402 EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	272.63	88.74
26 24 16 00-0403 EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,023.96	422.26
26 24 16 00-0404 EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,324.76	961.37
26 24 16 00-0405 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC ^(26 24 16 00-0390) Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406 EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	291.81	81.35
26 24 16 00-0407 EA 125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,221.67	887.57
26 24 16 00-0408 Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt ^(26 24 16 00-0390)		
26 24 16 00-0409 EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,348.96	887.57
26 24 16 00-0410 EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,548.45	961.37
26 24 16 00-0411 EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	7,792.46	1,479.03
26 24 16 00-0412 Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC ^(26 24 16 00-0390) Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0413 EA 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,171.25	887.57
26 24 16 00-0414 EA 150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,454.99	961.37
26 24 16 00-0415 EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	8,484.37	1,479.03
26 24 16 00-0416 Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof ^(26 24 16 00-0390)		
26 24 16 00-0417 EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,440.98	887.57
26 24 16 00-0418 EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,705.61	961.37
26 24 16 00-0419 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC ^(26 24 16 00-0390) Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0420 EA 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,323.88	887.57
26 24 16 00-0421 EA 155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,471.56	961.37
26 24 16 00-0422 Residential Type Assembled Load Center ^(26 24 16 00-0389)		
26 24 16 00-0423 Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase ^(26 24 16 00-0422) Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424 EA 100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	959.26	422.26
26 24 16 00-0425 EA 100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,155.03	493.25
26 24 16 00-0426 EA 100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	974.83	422.26
26 24 16 00-0427 EA 100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,159.28	493.25
26 24 16 00-0428 EA 200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,646.23	657.43
26 24 16 00-0429 EA 200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,950.50	789.06
26 24 16 00-0430 EA 200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,235.40	910.34
26 24 16 00-0431 EA 200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,452.36	985.48
26 24 16 00-0432 EA 200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,673.04	1,479.03
26 24 16 00-0433 EA 200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,701.44	657.43
26 24 16 00-0434 EA 200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,002.88	789.06
26 24 16 00-0435 EA 200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,287.79	910.34



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Switchboards and Panelboards	26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0436 EA 200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,501.92	985.48
26 24 16 00-0437 EA 200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,835.86	1,479.03
26 24 16 00-0438 EA 400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,412.29	1,643.35
26 24 16 00-0439 EA 400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,582.19	1,643.35
26 24 16 00-0440 Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt <small>(26 24 16 00-0422)</small> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0441 EA 125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,234.32	493.25
26 24 16 00-0442 EA 125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	1,842.89	739.52
26 24 16 00-0443 EA 125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,281.04	493.25
26 24 16 00-0444 EA 125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,885.37	739.52
26 24 16 00-0445 EA 200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,316.10	910.34
26 24 16 00-0446 EA 200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	2,524.20	986.07
26 24 16 00-0447 EA 200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,075.11	1,183.66
26 24 16 00-0448 EA 200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	3,729.67	1,479.03
26 24 16 00-0449 EA 200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,365.65	910.34
26 24 16 00-0450 EA 200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,579.79	985.48
26 24 16 00-0451 EA 200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,264.74	1,182.78
26 24 16 00-0452 EA 200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,920.81	1,479.03
26 24 16 00-0453 EA 400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	4,454.77	1,643.35
26 24 16 00-0454 EA 400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,624.66	1,643.35
26 24 16 00-0455 Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase <small>(26 24 16 00-0422)</small> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0456 EA 125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,228.65	493.25
26 24 16 00-0457 EA 125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,823.07	739.52
26 24 16 00-0458 EA 200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,066.59	789.06
26 24 16 00-0459 EA 200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,373.63	910.79
26 24 16 00-0460 EA 200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,602.07	986.07
26 24 16 00-0461 EA 200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,451.02	1,314.86
26 24 16 00-0462 EA 200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,080.75	789.06
26 24 16 00-0463 EA 200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,401.05	910.34
26 24 16 00-0464 EA 200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,608.10	985.48
26 24 16 00-0465 EA 200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,373.15	1,314.86
26 24 16 00-0466 EA 400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	5,870.57	1,643.35
26 24 16 00-0467 EA 400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,153.73	1,643.35
26 24 16 00-0468 Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt <small>(26 24 16 00-0422)</small> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0469 EA 200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,998.50	986.07
26 24 16 00-0470 EA 200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,182.73	1,479.03
26 24 16 00-0471 EA 200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,082.40	985.48
26 24 16 00-0472 EA 200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,267.68	1,479.03
26 24 16 00-0473 Panel Mounted Accessories And Fuseholders <small>(26 24 16 00-0001)</small>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0474			Midget Finger-Safe Fuse Holders (26 24 16 00-0473) Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0475	EA		1 Pole Midget Finger-Safe Fuse Holder .....87.44	87.44	26.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 17.75		
26 24 16 00-0476	EA		1 Pole With Indicator Midget Finger-Safe Fuse Holder .....100.84	100.84	26.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 17.75		
26 24 16 00-0477	EA		2 Pole Midget Finger-Safe Fuse Holder .....139.68	139.68	39.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 26.62		
26 24 16 00-0478	EA		2 Pole With Indicators Midget Finger-Safe Fuse Holder .....174.65	174.65	39.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 26.62		
26 24 16 00-0479	EA		3 Pole Midget Finger-Safe Fuse Holder .....202.76	202.76	53.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 35.50		
26 24 16 00-0480	EA		3 Pole With Indicators Midget Finger-Safe Fuse Holder .....249.21	249.21	53.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 35.50		
26 24 16 00-0481	EA		3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder .....288.06	288.06	53.25
			Note: With indicators. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 35.50		
26 24 16 00-0482	EA		3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder .....236.56	236.56	53.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 35.50		
26 24 16 00-0483	EA		4 Pole Midget Finger-Safe Fuse Holder .....255.14	255.14	66.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 44.37		
26 24 16 00-0484	EA		4 Pole With Indicator Midget Finger-Safe Fuse Holder .....306.15	306.15	66.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 44.37		
26 24 16 00-0485	EA		12 To 24 Volt DC Midget Finger-Safe Fuse Holder .....100.88	100.88	26.62
			Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 17.75		
26 24 16 00-0486	EA		20 To 24 Volt DC Midget Finger-Safe Fuse Holder .....108.00	108.00	26.62
			Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 17.75		
26 24 16 00-0487	EA		35 To 48 Volt DC Midget Finger-Safe Fuse Holder .....102.19	102.19	26.62
			Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 17.75		
26 24 16 00-0488			Removal And Reinstallation Of Panelboards (26 24 16 00-0001) Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0489	EA		Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers .....1,854.50	1,854.50	
			Note: Includes removal and reinstallation of main wiring to panelboard. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 554.64		
26 24 16 00-0490	EA		Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage .....97.77	97.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 28.84		
26 24 16 00-0491	EA		Panelboard Filler Plate, Fits 1" Opening .....6.26	6.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 1.39		
26 24 19			Motor-Control Centers (26 24)		
26 24 19 00-0001			Combination Starters With Molded Case Circuit Breakers (26 24 19) Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002			230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 1-Speed non-reversing.		
26 24 19 00-0003	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit .....2,393.35	2,393.35	135.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 81.08		
26 24 19 00-0004	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit .....2,826.59	2,826.59	141.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 85.14		
26 24 19 00-0005	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit .....4,179.24	4,179.24	148.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 89.19		
26 24 19 00-0006	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit .....7,535.60	7,535.60	175.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 105.41		
26 24 19 00-0007	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit .....15,111.44	15,111.44	202.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 121.63		
26 24 19 00-0008	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit .....25,393.32	25,393.32	270.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 162.17		
26 24 19 00-0009			480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 1-Speed non-reversing.		
26 24 19 00-0010	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit .....2,393.35	2,393.35	135.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 81.08		
26 24 19 00-0011	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit .....2,826.59	2,826.59	141.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 85.14		
26 24 19 00-0012	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit .....4,179.24	4,179.24	148.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 89.19		
26 24 19 00-0013	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit .....7,535.60	7,535.60	175.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 105.41		
26 24 19 00-0014	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit .....15,111.44	15,111.44	202.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 121.63		
26 24 19 00-0015	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit .....25,393.32	25,393.32	270.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 162.17		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0016				230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small>		
				Note: 1-Speed reversing.		
26 24 19 00-0017	EA			230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit.....	3,441.56	135.14
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	
26 24 19 00-0018	EA			230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit.....	4,569.91	141.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.14	
26 24 19 00-0019	EA			230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit.....	6,526.60	148.66
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.19	
26 24 19 00-0020	EA			230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit.....	11,381.99	175.69
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.41	
26 24 19 00-0021	EA			230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit.....	22,340.09	202.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.63	
26 24 19 00-0022	EA			230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit.....	38,464.84	270.28
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.17	
26 24 19 00-0023				480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small>		
				Note: 1-Speed reversing.		
26 24 19 00-0024	EA			480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit.....	3,441.56	135.14
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	
26 24 19 00-0025	EA			480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit.....	4,569.91	141.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.14	
26 24 19 00-0026	EA			480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit.....	6,526.60	148.66
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.19	
26 24 19 00-0027	EA			480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit.....	11,381.99	175.69
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.41	
26 24 19 00-0028	EA			480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit.....	22,340.09	202.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.63	
26 24 19 00-0029	EA			480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit.....	38,464.84	270.28
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.17	
26 24 19 00-0030				230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small>		
				Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit.....	4,209.99	216.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.73	
26 24 19 00-0032	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit.....	5,760.48	229.74
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.84	
26 24 19 00-0033	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit.....	8,439.10	243.26
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.94	
26 24 19 00-0034	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	15,011.36	277.04
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.22	
26 24 19 00-0035	EA			230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	24,808.58	324.33
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	194.61	
26 24 19 00-0036				480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small>		
				Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit.....	4,209.99	216.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.73	
26 24 19 00-0038	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit.....	5,760.48	229.74
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.84	
26 24 19 00-0039	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	8,439.10	243.26
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.94	
26 24 19 00-0040	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	15,011.36	277.04
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.22	
26 24 19 00-0041	EA			480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit.....	24,808.58	324.33
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	194.61	
26 24 19 00-0042				230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small>		
				Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit.....	4,811.78	135.14
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	
26 24 19 00-0044	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit.....	7,134.91	141.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.14	
26 24 19 00-0045	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit.....	9,746.73	148.66
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.19	
26 24 19 00-0046	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	18,264.19	175.69
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.41	
26 24 19 00-0047	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	31,598.52	202.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.63	
26 24 19 00-0048				480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small>		
				Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA			480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit.....	4,811.78	135.14
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	
26 24 19 00-0050	EA			480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit.....	7,134.91	141.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.14	
26 24 19 00-0051	EA			480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	9,746.73	148.66
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.19	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0052	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,264.19 105.41	175.69
26 24 19 00-0053	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,598.52 121.63	202.71
26 24 19 00-0054			230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA		230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	7,090.49	141.90
26 24 19 00-0056	EA		230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	10,828.45	155.41
26 24 19 00-0057	EA		230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	18,213.11	175.69
26 24 19 00-0058	EA		230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	28,142.99	202.71
26 24 19 00-0059	EA		230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	48,111.92	270.28
26 24 19 00-0060			480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA		480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	7,090.49	141.90
26 24 19 00-0062	EA		480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	10,828.45	155.41
26 24 19 00-0063	EA		480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	18,213.11	175.69
26 24 19 00-0064	EA		480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	28,142.99	202.71
26 24 19 00-0065	EA		480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	48,111.92	270.28
26 24 19 00-0066			230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0067	EA		230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	4,896.21	216.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.73	
26 24 19 00-0068	EA		230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	6,311.78	250.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.00	
26 24 19 00-0069	EA		230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	11,025.05	277.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.22	
26 24 19 00-0070	EA		230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	18,730.66	337.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.71	
26 24 19 00-0071	EA		230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	25,717.69	432.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.48	
26 24 19 00-0072			480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0073	EA		480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	4,896.21	216.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.73	
26 24 19 00-0074	EA		480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	6,311.78	250.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.00	
26 24 19 00-0075	EA		480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	11,025.05	277.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.22	
26 24 19 00-0076	EA		480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	18,730.66	337.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.71	
26 24 19 00-0077	EA		480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	25,717.69	432.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.48	
26 24 19 00-0078			230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	19,907.57	175.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.41	
26 24 19 00-0080	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	21,132.34	216.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.73	
26 24 19 00-0081	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	23,340.74	250.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.00	
26 24 19 00-0082	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	35,293.75	277.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.22	
26 24 19 00-0083	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	48,116.04	337.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.71	
26 24 19 00-0084	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	65,285.35	432.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.48	
26 24 19 00-0085			480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0086	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	19,907.57	175.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.41	
26 24 19 00-0087	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	21,132.34	216.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0088 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	23,340.74	250.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.00	
26 24 19 00-0089 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	35,293.75	277.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.22	
26 24 19 00-0090 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	48,116.04	337.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.71	
26 24 19 00-0091 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit.....	65,285.35	432.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.48	
26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers <small>(26 24 19)</small>		
<i>Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.</i>		
26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
<i>Note: Full volt, 1-speed non-reversing.</i>		
26 24 19 00-0094 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	3,181.72	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	
26 24 19 00-0095 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	3,614.97	141.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.14	
26 24 19 00-0096 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	5,558.34	148.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.19	
26 24 19 00-0097 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	10,198.31	175.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.41	
26 24 19 00-0098 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	18,207.21	202.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.63	
26 24 19 00-0099 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	29,650.56	270.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.17	
26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
<i>Note: Full volt, 1-speed non-reversing.</i>		
26 24 19 00-0101 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	3,181.72	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	
26 24 19 00-0102 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	3,614.97	141.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.14	
26 24 19 00-0103 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	5,558.34	148.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.19	
26 24 19 00-0104 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	10,198.31	175.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.41	
26 24 19 00-0105 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	18,207.21	202.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.63	
26 24 19 00-0106 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit.....	29,650.56	270.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.17	
26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
<i>Note: Full volt, 1-speed reversing.</i>		
26 24 19 00-0108 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	4,223.27	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	5,342.74	141.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.14	
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	7,874.62	148.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.19	
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	14,009.18	175.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.41	
26 24 19 00-0112 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	25,373.67	202.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.63	
26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
<i>Note: Full volt, 1-speed reversing.</i>		
26 24 19 00-0114 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	4,223.27	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	
26 24 19 00-0115 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	5,342.74	141.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.14	
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	7,874.62	148.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.19	
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	14,009.18	175.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.41	
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	25,373.67	202.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.63	
26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
<i>Note: Full volt, 2-speed non-reversing, 2 wind.</i>		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	4,978.38	216.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.73	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0121	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	6,517.77	229.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.84	
26 24 19 00-0122	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	9,764.90	243.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.94	
26 24 19 00-0123	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	17,607.45	277.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.22	
26 24 19 00-0124	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	27,817.74	324.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	194.61	
26 24 19 00-0125			480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
			Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	4,978.38	216.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.73	
26 24 19 00-0127	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,517.77	229.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.84	
26 24 19 00-0128	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	9,764.90	243.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.94	
26 24 19 00-0129	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	17,607.45	277.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.22	
26 24 19 00-0130	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	27,817.74	324.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	194.61	
26 24 19 00-0131			230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
			Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,715.32	202.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.63	
26 24 19 00-0133	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	8,027.51	216.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.73	
26 24 19 00-0134	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	11,228.05	229.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.84	
26 24 19 00-0135	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	21,004.86	263.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.11	
26 24 19 00-0136	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	34,763.96	310.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.50	
26 24 19 00-0137			480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
			Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,715.32	202.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.63	
26 24 19 00-0139	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	8,027.51	216.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.73	
26 24 19 00-0140	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	11,228.05	229.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.84	
26 24 19 00-0141	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	21,004.86	263.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.11	
26 24 19 00-0142	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	34,763.96	310.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.50	
26 24 19 00-0143			230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
			Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA		230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	7,836.68	141.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.14	
26 24 19 00-0145	EA		230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	12,587.31	155.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.25	
26 24 19 00-0146	EA		230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	21,235.60	175.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.41	
26 24 19 00-0147	EA		230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	32,142.62	202.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.63	
26 24 19 00-0148	EA		230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	52,857.73	270.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
<i>Note: Reduced volt, auto-transformer.</i>		
26 24 19 00-0150 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit.....	7,836.68	141.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>85.14</i>	
26 24 19 00-0151 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	12,587.31	155.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>93.25</i>	
26 24 19 00-0152 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	21,235.60	175.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>105.41</i>	
26 24 19 00-0153 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	32,142.62	202.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>121.63</i>	
26 24 19 00-0154 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit.....	52,857.73	270.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>162.17</i>	
26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
<i>Note: Reduced volt, part winding.</i>		
26 24 19 00-0156 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	5,664.60	216.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>129.73</i>	
26 24 19 00-0157 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	7,064.63	250.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>150.00</i>	
26 24 19 00-0158 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	12,341.98	277.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>166.22</i>	
26 24 19 00-0159 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	21,790.90	337.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>202.71</i>	
26 24 19 00-0160 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	32,117.99	432.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>259.48</i>	
26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
<i>Note: Reduced volt, part winding.</i>		
26 24 19 00-0162 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	5,664.60	216.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>129.73</i>	
26 24 19 00-0163 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	7,064.63	250.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>150.00</i>	
26 24 19 00-0164 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	12,341.98	277.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>166.22</i>	
26 24 19 00-0165 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	21,790.90	337.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>202.71</i>	
26 24 19 00-0166 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	32,117.99	432.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>259.48</i>	
26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
<i>Note: Reduced volt, energy saving</i>		
26 24 19 00-0168 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit.....	20,544.93	175.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>105.41</i>	
26 24 19 00-0169 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit.....	21,763.04	216.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>129.73</i>	
26 24 19 00-0170 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit.....	23,949.23	250.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>150.00</i>	
26 24 19 00-0171 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	35,797.87	277.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>166.22</i>	
26 24 19 00-0172 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	48,506.90	337.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>202.71</i>	
26 24 19 00-0173 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	67,965.84	432.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>259.48</i>	
26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
<i>Note: Reduced volt, energy saving</i>		
26 24 19 00-0175 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit.....	20,544.99	175.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>105.43</i>	
26 24 19 00-0176 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit.....	21,763.04	216.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>129.73</i>	
26 24 19 00-0177 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	23,949.23	250.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>150.00</i>	
26 24 19 00-0178 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	35,797.87	277.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>166.22</i>	
26 24 19 00-0179 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	48,506.90	337.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>202.71</i>	
26 24 19 00-0180 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit.....	67,965.84	432.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>259.48</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0181			Combination Starters With Fusible Switch <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182			230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA		7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,135.74	135.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	
26 24 19 00-0184	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,926.53	141.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.14	
26 24 19 00-0185	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,894.33	148.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.19	
26 24 19 00-0186	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	8,594.91	175.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.41	
26 24 19 00-0187	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	13,916.66	202.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.63	
26 24 19 00-0188	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	24,782.61	270.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.17	
26 24 19 00-0189			480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,135.74	135.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	
26 24 19 00-0191	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,926.53	141.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.14	
26 24 19 00-0192	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,894.33	148.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.19	
26 24 19 00-0193	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	8,594.91	175.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.41	
26 24 19 00-0194	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	13,916.66	202.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.63	
26 24 19 00-0195	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	24,782.61	270.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.17	
26 24 19 00-0196			230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed reversing.		
26 24 19 00-0197	EA		7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,412.69	135.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	
26 24 19 00-0198	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,058.48	141.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.14	
26 24 19 00-0199	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	8,058.94	148.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.19	
26 24 19 00-0200	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	13,105.32	175.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.41	
26 24 19 00-0201	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	20,132.63	202.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.63	
26 24 19 00-0202	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	34,189.84	270.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.17	
26 24 19 00-0203			480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed reversing.		
26 24 19 00-0204	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,412.69	135.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.08	
26 24 19 00-0205	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,058.48	141.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.14	
26 24 19 00-0206	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	8,058.94	148.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.19	
26 24 19 00-0207	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	13,105.32	175.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.41	
26 24 19 00-0208	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	20,132.63	202.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.63	
26 24 19 00-0209	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	34,189.84	270.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.17	
26 24 19 00-0210			230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211	EA		10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	4,023.44	216.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.73	
26 24 19 00-0212	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	5,502.87	229.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.84	
26 24 19 00-0213	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	8,605.66	243.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.94	
26 24 19 00-0214	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	15,300.06	277.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.22	
26 24 19 00-0215	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	24,322.23	324.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	194.61	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0216				480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA			10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 4,023.44		216.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 129.73		
26 24 19 00-0218	EA			25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 5,502.87		229.74
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 137.84		
26 24 19 00-0219	EA			50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 8,605.66		243.26
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 145.94		
26 24 19 00-0220	EA			100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 15,300.06		277.04
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 166.22		
26 24 19 00-0221	EA			200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 24,322.23		324.33
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 194.61		
26 24 19 00-0222				230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA			7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 4,540.84		135.14
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 81.08		
26 24 19 00-0224	EA			15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 6,895.07		141.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 85.14		
26 24 19 00-0225	EA			30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 9,902.19		148.66
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 89.19		
26 24 19 00-0226	EA			50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 19,903.13		175.69
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 105.41		
26 24 19 00-0227				480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA			10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 4,540.84		135.14
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 81.08		
26 24 19 00-0229	EA			25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 6,895.07		141.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 85.14		
26 24 19 00-0230	EA			50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 9,902.19		148.66
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 89.19		
26 24 19 00-0231	EA			100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 19,903.13		175.69
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 105.41		
26 24 19 00-0232				230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Auto-transformer.		
26 24 19 00-0233	EA			15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer 6,848.43		141.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 85.14		
26 24 19 00-0234	EA			30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer 12,047.66		155.41
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 93.25		
26 24 19 00-0235	EA			50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer 20,034.15		175.69
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 105.41		
26 24 19 00-0236	EA			100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer 26,735.01		202.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 121.63		
26 24 19 00-0237	EA			200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer 44,882.90		270.28
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 162.17		
26 24 19 00-0238				480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Auto-transformer.		
26 24 19 00-0239	EA			25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer 6,848.43		141.90
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 85.14		
26 24 19 00-0240	EA			50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer 12,047.66		155.41
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 93.25		
26 24 19 00-0241	EA			100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer 20,034.15		175.69
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 105.41		
26 24 19 00-0242	EA			200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer 26,735.01		202.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 121.63		
26 24 19 00-0243	EA			400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer 44,882.90		270.28
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 162.17		
26 24 19 00-0244				230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0245	EA			10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters 4,925.08		216.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 129.73		
26 24 19 00-0246	EA			25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters 6,502.77		250.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 150.00		
26 24 19 00-0247	EA			50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters 10,296.64		277.04
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 166.22		
26 24 19 00-0248	EA			75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters 20,425.12		337.85
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 202.71		
26 24 19 00-0249				480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0250	EA			15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters 4,925.08		216.23
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 129.73		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0251 EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,502.77	250.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.00	
26 24 19 00-0252 EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	10,296.64	277.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.22	
26 24 19 00-0253 EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	20,425.12	337.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	202.71	
26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt ^(26 24 19 00-0181)		
Note: Energy saver.		
26 24 19 00-0255 EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	19,905.35	175.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.41	
26 24 19 00-0256 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	21,132.34	216.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	129.73	
26 24 19 00-0257 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	23,340.74	250.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.00	
26 24 19 00-0258 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	35,293.75	277.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.22	
26 24 19 00-0259 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	48,116.04	337.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	202.71	
26 24 19 00-0260 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	65,285.35	432.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	259.48	
26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt ^(26 24 19 00-0181)		
Note: Energy saver.		
26 24 19 00-0262 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	19,905.35	175.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.41	
26 24 19 00-0263 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	21,132.34	216.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	129.73	
26 24 19 00-0264 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	23,340.74	250.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.00	
26 24 19 00-0265 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	35,293.75	277.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.22	
26 24 19 00-0266 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	48,116.04	337.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	202.71	
26 24 19 00-0267 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	65,285.35	432.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	259.48	
26 24 19 00-0268 Starter Accessories ^(26 24 19)		
Note: Additional options or accessories for the Combination Starters		
26 24 19 00-0269 Starter Modifications ^(26 24 19 00-0268)		
26 24 19 00-0270 EA Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	181.41	
26 24 19 00-0271 EA Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	346.44	
26 24 19 00-0272 EA Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer.....	495.23	
26 24 19 00-0273 EA Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes.....	124.36	
26 24 19 00-0274 EA Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes.....	175.44	
26 24 19 00-0275 EA Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes.....	295.36	
26 24 19 00-0276 EA Overload Relay Heater Elements, 3 Per Starter	73.29	
26 24 19 00-0277 EA N.O. Overload Relay Alarm.....	62.18	
26 24 19 00-0278 EA Control Circuit Fuses, Primary/Secondary	117.16	
26 24 19 00-0279 EA Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	144.85	
26 24 19 00-0280 EA Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	283.31	
26 24 19 00-0281 EA Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	144.85	
26 24 19 00-0282 EA Control Devices Type PB2 Mount On Device, Individual Light Full V	166.15	
26 24 19 00-0283 EA Control Devices Type PB2 Mount On Device, Individual Light Transformer	200.24	
26 24 19 00-0284 EA Control Devices Type PB2 Mount On Device, Individual Light Push To	236.45	
26 24 19 00-0285 EA Blank Devices Panel	44.73	
26 24 19 00-0286 EA Oversize Or Special Color Starter	70.30	
26 24 19 00-0287 EA Mini Voltmeter/Ammeter With Current Transformer	626.34	
26 24 19 00-0288 EA Mini Elapsed Time Meters, Non Resettable.....	568.83	
26 24 19 00-0289 EA Panel Elapsed Time Meter, Resettable.....	830.77	
26 24 19 00-0290 EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	70.30	
26 24 19 00-0291 EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	100.12	
26 24 19 00-0292 EA Terminal Blocks, Front Mounted, Press Connection, Standard.....	70.30	
26 24 19 00-0293 EA Terminal Blocks, Front Mounted, Press Connection, Plug-In.....	100.12	
26 24 19 00-0294 EA Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	100.12	
26 24 19 00-0295 EA Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type.....	144.85	
26 24 19 00-0296 EA MOR - A Solid State Modular Overload Relay	360.00	
26 24 19 00-0297 EA Heater Module	76.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0298 EA LAM - Long Acceleration Module	476.79	
26 24 19 00-0299 EA JAM - Jam Protection Module	546.57	
26 24 19 00-0300 EA PUM - Phase Unbalance Module	1,037.32	
26 24 19 00-0301 EA ULM - Underload Module	497.73	
26 24 19 00-0302 EA Wiring To Common Control Circuit Transformer	109.31	
26 24 19 00-0303 EA Handle Operator Separable Source Control Circuit	204.67	
26 24 19 00-0304 EA Type SIS Control Wire	86.06	
26 24 19 00-0305 EA Ring Or Spade Terminals Control	109.31	
26 24 19 00-0306 EA Ring Terminals Power	109.31	
26 24 19 00-0307 EA 14 Gauge Control Wire	86.06	
26 24 19 00-0308 EA Wiremakers	109.31	
26 24 19 00-0309 EA Wiring Diagram On Door	65.12	
26 24 19 00-0310 EA Special Color Or Type Control Wire	79.08	
26 24 19 00-0311 EA Current Transformer 12.5 VA	621.00	
26 24 19 00-0312 EA Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	1,983.93	
26 24 19 00-0313 EA Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	2,232.80	
26 24 19 00-0314 Control Relays And Special Components <small>(26 24 19 00-0268)</small>		
26 24 19 00-0315 EA 600 Volt, 2 Pole, Control Relays	573.86	
26 24 19 00-0316 EA 600 Volt, 4 Pole, Control Relays	681.53	
26 24 19 00-0317 EA 600 Volt, 6 Pole, Control Relays	802.71	
26 24 19 00-0318 EA 600 Volt, 8 Pole, Control Relays	895.72	
26 24 19 00-0319 EA Pneumatic Timer, Control Relays	753.25	
26 24 19 00-0320 EA Motor Driven Timer, Control Relays	1,962.85	
26 24 19 00-0321 EA 7 Days Time Switch, Control Relays	2,470.52	
26 24 19 00-0322 EA 24 Hour Time Switch, Control Relays	692.77	
26 24 19 00-0323 EA Phase Voltage, Control Relays	1,178.44	
26 24 19 00-0324 EA Two Circuit Alternator, Control Relays	1,649.46	
26 24 19 00-0325 EA Manual 120 Volt, Control Relays	161.28	
26 24 19 00-0326 EA Over-Current Relay, Control Relays	4,437.68	
26 24 19 00-0327 EA UV-Relay, Control Relays	3,758.54	
26 24 19 00-0328 EA Over-Current Relay, Control Relays	3,758.54	
26 24 19 00-0329 EA Teleductor, Control Relays	1,215.10	
26 24 19 00-0330 EA Current Transducer, Control Relays	3,267.75	
26 24 19 00-0331 EA Watt Transducer, Control Relays	6,535.51	
26 24 19 00-0332 EA Control Relays, Blank, Add For Each 1x	221.76	
26 24 19 00-0333 EA Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	331.72	
26 24 19 00-0334 EA Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	373.88	
26 24 19 00-0335 EA Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	416.03	
26 24 19 00-0336 EA Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	373.88	
26 24 19 00-0337 EA Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	416.03	
26 24 19 00-0338 EA Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	438.02	
26 24 19 00-0339 Circuit Breaker Modifications/Accessories <small>(26 24 19 00-0268)</small>		
26 24 19 00-0340 EA Shunt Trip, Circuit Breaker	363.29	
26 24 19 00-0341 EA Auxiliary Switch, Circuit Breaker	125.48	
26 24 19 00-0342 EA Key Interlock, Circuit Breaker	451.33	
26 24 19 00-0343 EA GFR Ground Fault, Circuit Breaker	2,080.56	
26 24 19 00-0344 EA Seltronic Breaker, Circuit Breaker	1,205.23	
26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers <small>(26 24 19 00-0268)</small>		
26 24 19 00-0346 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,543.25	87.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.70</i>	
26 24 19 00-0347 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	2,666.74	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>81.08</i>	
26 24 19 00-0348 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	2,555.08	87.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.70</i>	
26 24 19 00-0349 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	3,676.44	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>81.08</i>	
26 24 19 00-0350 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	4,707.45	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>81.08</i>	
26 24 19 00-0351 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	2,943.86	175.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>105.43</i>	
26 24 19 00-0352 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	4,738.94	189.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>113.54</i>	
26 24 19 00-0353 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	6,248.45	243.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>145.89</i>	
26 24 19 00-0354 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	7,383.30	371.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>223.06</i>	
26 24 19 00-0355 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	10,469.80	560.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>336.77</i>	
26 24 19 00-0356 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	22,763.67	743.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>445.58</i>	
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	33,945.88	932.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>558.96</i>	
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	56,451.82	1,080.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>649.23</i>	
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,847.86	87.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.70</i>	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150.....	2,962.83	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>81.08</i>	
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,847.86	87.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.70</i>	
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50.....	2,962.83	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>81.08</i>	
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150.....	3,119.58	87.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.70</i>	
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150.....	4,277.15	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>81.08</i>	
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	5,295.38	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>81.08</i>	
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100.....	2,815.85	135.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>81.08</i>	
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400.....	7,144.72	371.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>223.06</i>	
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225.....	7,144.72	371.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>223.06</i>	
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400.....	9,586.85	405.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>243.15</i>	
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600.....	11,958.63	472.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>283.67</i>	
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800.....	13,767.33	560.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>336.77</i>	
26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)		
26 24 19 00-0373 EA 30 To 60 Amperes, Incoming Line And Feeder Fusible Switches.....	1,912.32	135.14
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual.....	2,933.35	135.14
26 24 19 00-0375 EA 100 Amperes, Incoming Line And Feeder Fusible Switches.....	2,676.79	168.92
26 24 19 00-0376 EA 200 Amperes, Incoming Line And Feeder Fusible Switches.....	4,322.92	202.71
26 24 19 00-0377 EA 400 Amperes, Incoming Line And Feeder Fusible Switches.....	8,461.38	256.76
26 24 19 00-0378 EA 600 Amperes, Incoming Line And Feeder Fusible Switches.....	11,859.17	337.85
26 24 19 00-0379 EA 800 Amperes, Incoming Line And Feeder Fusible Switches.....	28,688.80	452.72
26 24 19 00-0380 EA 1,200 Amperes, Incoming Line And Feeder Fusible Switches.....	32,417.32	628.41
26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers.....	1,452.78	
26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers.....	1,499.65	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,548.64	
26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers.....	1,776.57	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,925.69	
26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers.....	2,495.61	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers.....	2,620.12	
26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers.....	2,952.43	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers.....	6,863.45	
26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers.....	3,642.61	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers.....	5,046.40	
26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers.....	7,864.64	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers.....	7,283.10	
26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers.....	10,092.81	
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers.....	11,931.50	
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers.....	16,527.34	
26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)		
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type.....	685.92	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type.....	1,499.65	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel.....	617.75	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type.....	1,499.65	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch.....	832.90	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits.....	884.03	
26 24 19 00-0405 EA Add For Additional Circuits.....	127.92	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter.....	3,093.03	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor.....	3,240.01	
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour.....	2,856.58	
26 24 19 00-0409 EA Add For Demand Attachment.....	837.30	
26 24 19 00-0410 EA 800 Amperes, Metering Equipment, Current Transformer.....	854.20	
26 24 19 00-0411 EA 1,000 Amperes, Metering Equipment, Current Transformer.....	1,474.09	
26 24 19 00-0412 EA 2,000 Amperes, Metering Equipment, Current Transformer.....	1,716.93	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer.....	1,431.48	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester.....	1,540.12	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System.....	1,177.99	
26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)		
26 24 19 00-0417 EA 600 Amperes, Current Limiting Reactors.....	26,292.85	
26 24 19 00-0418 EA 800 Amperes, Current Limiting Reactors.....	38,290.04	
26 24 19 00-0419 EA 1,000 Amperes, Current Limiting Reactors.....	50,314.92	
26 24 19 00-0420 EA 1,200 Amperes, Current Limiting Reactors.....	76,588.60	



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

26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)

26 24 19 00-0422	EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw.....	481.91	
26 24 19 00-0423	EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp.....	481.91	
26 24 19 00-0424	EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw.....	666.24	
26 24 19 00-0425	EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp.....	1,219.21	
26 24 19 00-0426	EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw.....	666.24	
26 24 19 00-0427	EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp.....	850.56	
26 24 19 00-0428	EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw.....	850.56	
26 24 19 00-0429	EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp.....	1,216.99	
26 24 19 00-0430	EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw.....	850.56	
26 24 19 00-0431	EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp.....	1,216.99	
26 24 19 00-0432	EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw.....	1,034.88	
26 24 19 00-0433	EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp.....	3,355.60	
26 24 19 00-0434	EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw.....	1,034.88	
26 24 19 00-0435	EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp.....	1,216.99	
26 24 19 00-0436	EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw.....	3,355.60	
26 24 19 00-0437	EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp.....	3,355.60	
26 24 19 00-0438	EA Bus Duct Transition Pull Box.....	1,015.35	
26 24 19 00-0439	EA Throat And Transition To Substation.....	1,960.12	
26 24 19 00-0440	EA Service Entrance Label.....	424.49	
26 24 19 00-0441	EA Type W To 5 Star - 10" Transition.....	887.30	
26 24 19 00-0442	EA 600 Amperes, Sub Feed Lugs On Main Bus.....	555.87	

26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)

26 24 19 00-0444	EA Standard Structure Add For Each Additional 4" Of Structure Width.....	280.30	
26 24 19 00-0445	EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4".....	280.30	
26 24 19 00-0446	EA Standard Structure Single Corner Section "L", 16" Depth.....	867.13	
26 24 19 00-0447	EA Standard Structure Single Corner Section "L", 21" Depth.....	978.04	
26 24 19 00-0448	EA Standard Structure Unused Space/Future Space.....	83.69	
26 24 19 00-0449	EA Standard Structure NEMA 12 Dustproof.....	225.86	
26 24 19 00-0450	EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure.....	47.39	
26 24 19 00-0451	EA Standard Structure 150 Watt Space.....	203.67	
26 24 19 00-0452	EA Standard Structure Thermostat For Space Heater Control.....	676.82	
26 24 19 00-0453	EA Standard Structure Rear Hinged Structure Door, 72" High.....	203.67	
26 24 19 00-0454	EA Standard Structure NEMA 2 Drip Shield On Top Of MCC.....	437.26	
26 24 19 00-0455	EA Standard Structure NEMA 3R N-Walk In Front Mounted.....	6,237.87	
26 24 19 00-0456	EA Standard Structure NEMA 3R N-Walk In Back-to-back.....	7,210.07	
26 24 19 00-0457	EA Standard Structure NEMA 3R Walk-In Aisle Front Mounted.....	7,217.05	

26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)

26 24 19 00-0459	EA Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes.....	810.81	405.42
26 24 19 00-0460	EA Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes.....	1,216.21	608.14
26 24 19 00-0461	EA Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes.....	1,351.41	675.71
26 24 19 00-0462	EA Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes.....	1,621.83	810.85
26 24 19 00-0463	EA Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes.....	135.14	67.57
26 24 19 00-0464	EA Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes.....	810.81	405.42
26 24 19 00-0465	EA Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes.....	1,216.21	608.14
26 24 19 00-0466	EA Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes.....	1,351.41	675.71
26 24 19 00-0467	EA Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes.....	1,621.83	810.85
26 24 19 00-0468	EA Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes.....	135.14	67.57
26 24 19 00-0469	EA Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes.....	946.01	472.99
26 24 19 00-0470	EA Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes.....	1,216.21	608.14
26 24 19 00-0471	EA Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes.....	1,621.83	810.85
26 24 19 00-0472	EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes.....	1,891.73	945.85
26 24 19 00-0473	EA Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes.....	202.71	101.35
26 24 19 00-0474	EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes.....	1,081.13	540.56
26 24 19 00-0475	EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes.....	1,486.67	743.28
26 24 19 00-0476	EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes.....	1,891.73	945.85
26 24 19 00-0477	EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes.....	2,161.88	1,080.99
26 24 19 00-0478	EA Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes.....	270.28	135.14
26 24 19 00-0479	EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes.....	1,081.13	540.56
26 24 19 00-0480	EA Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes.....	1,621.83	810.85
26 24 19 00-0481	EA Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes.....	2,026.90	1,013.42
26 24 19 00-0482	EA Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes.....	2,297.54	1,148.83
26 24 19 00-0483	EA Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes.....	270.28	135.14

26 24 19 00-0484 Motor Control Centers (26 24 19)

26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)

26 24 19 00-0486	EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp.....	16,453.16	270.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.17	
26 24 19 00-0487	EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp.....	16,453.16	270.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.17	
26 24 19 00-0488	EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp.....	16,453.16	270.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.17	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0489	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,520.77 182.45	304.06
26 24 19 00-0490	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,551.82 202.71	337.85
26 24 19 00-0491	EA		2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,619.36 222.98	371.63
26 24 19 00-0492	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,686.92 243.24	405.42
26 24 19 00-0493	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,822.12 283.80	472.99
26 24 19 00-0494	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,957.24 324.34	540.56
26 24 19 00-0495	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,102.19 364.86	608.14
26 24 19 00-0496	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,320.14 405.42	675.71
26 24 19 00-0497	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,352.03 162.17	270.28
26 24 19 00-0498	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,373.63 174.34	290.55
26 24 19 00-0499	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,820.40 190.55	317.58
26 24 19 00-0500	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,072.67 202.71	337.85
26 24 19 00-0501	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,905.92 235.16	391.91
26 24 19 00-0502	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,239.78 251.36	418.93
26 24 19 00-0503	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,571.68 267.56	445.97
26 24 19 00-0504	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,528.31 291.91	486.50
26 24 19 00-0505	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,968.85 324.34	540.56
26 24 19 00-0506	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57,383.01 344.63	574.35
26 24 19 00-0507	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87,542.21 405.42	675.71
26 24 19 00-0508	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93,283.37 446.00	743.28
26 24 19 00-0509	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98,284.77 486.55	810.85
26 24 19 00-0510	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107,019.69 527.14	878.55
26 24 19 00-0511	EA		2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,983.65 162.17	270.28
26 24 19 00-0512	EA		2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,051.26 182.45	304.06
26 24 19 00-0513	EA		2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,118.80 202.71	337.85
26 24 19 00-0514	EA		2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,186.34 222.98	371.63
26 24 19 00-0515	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,257.79 243.24	405.42
26 24 19 00-0516	EA		2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,325.43 263.54	439.20
26 24 19 00-0517	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,392.99 283.80	472.99
26 24 19 00-0518	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,663.19 364.86	608.14
26 24 19 00-0519	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,154.79 405.42	675.71
26 24 19 00-0520	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,290.05 446.00	743.28
26 24 19 00-0521	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,496.28 486.55	810.85
26 24 19 00-0522	EA		Add For Reversing Starters, 100 To 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,048.97 81.08	
26 24 19 00-0523	EA		Add For Reversing Starters, 1,000 To 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,321.48 81.08	
26 24 19 00-0524	EA		Add For Reversing Starters, 1,750 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,236.38 81.08	
26 24 19 00-0525			4.8 KV Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24 19 00-0526	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,959.43 243.24	405.42
26 24 19 00-0527	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,027.07 263.54	439.20
26 24 19 00-0528	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,094.63 283.80	472.99
26 24 19 00-0529	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,162.23 304.08	506.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0530 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,183.53 324.34	540.56
26 24 19 00-0531 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,251.17 344.63	574.35
26 24 19 00-0532 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,318.61 364.86	608.14
26 24 19 00-0533 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,386.31 385.17	641.92
26 24 19 00-0534 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,453.81 405.42	675.71
26 24 19 00-0535 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,832.93 527.14	878.55
26 24 19 00-0536 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,967.52 567.52	945.85
26 24 19 00-0537 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,175.71 608.07	1,013.42
26 24 19 00-0538 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,310.69 648.56	1,080.99
26 24 19 00-0539 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,898.68 243.24	405.42
26 24 19 00-0540 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,238.83 263.54	439.20
26 24 19 00-0541 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,413.50 283.80	472.99
26 24 19 00-0542 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,683.08 304.08	506.77
26 24 19 00-0543 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,475.70 324.34	540.56
26 24 19 00-0544 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,823.18 344.63	574.35
26 24 19 00-0545 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,966.08 364.86	608.14
26 24 19 00-0546 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,111.69 385.17	641.92
26 24 19 00-0547 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,381.22 405.42	675.71
26 24 19 00-0548 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58,326.74 425.70	709.49
26 24 19 00-0549 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63,339.82 466.25	777.06
26 24 19 00-0550 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67,473.70 486.55	810.85
26 24 19 00-0551 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71,373.79 506.78	844.63
26 24 19 00-0552 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76,823.72 527.14	878.55
26 24 19 00-0553 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121,628.01 648.56	1,080.99
26 24 19 00-0554 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135,233.41 689.26	1,148.83
26 24 19 00-0555 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162,473.24 729.73	1,216.27
26 24 19 00-0556 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171,826.15 729.73	1,216.27
26 24 19 00-0557 EA 4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,621.23 283.80	472.99
26 24 19 00-0558 EA 4.8 KV CL 14-202, Synchronous Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,688.83 304.08	506.77
26 24 19 00-0559 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,756.35 324.34	540.56
26 24 19 00-0560 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,823.99 344.63	574.35
26 24 19 00-0561 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,943.03 364.86	608.14
26 24 19 00-0562 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,010.73 385.17	641.92
26 24 19 00-0563 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,078.23 405.42	675.71
26 24 19 00-0564 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,145.83 425.70	709.49
26 24 19 00-0565 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,213.49 446.00	743.28
26 24 19 00-0566 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,618.55 567.52	945.85
26 24 19 00-0567 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44,382.63 608.07	1,013.42
26 24 19 00-0568 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,580.89 648.56	1,080.99
26 24 19 00-0569 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,580.89 648.56	1,080.99
26 24 19 00-0570 EA Add For Reversing Starters, 100 To 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,286.00 81.08	
26 24 19 00-0571 EA Add For Reversing Starters, 1,500 To 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,596.91 81.08	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0572 EA Add For Reversing Starters, 3,000 To 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,204.39 81.08	
26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)		
26 24 19 00-0574 EA 2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	13,421.09	270.28
26 24 19 00-0575 EA 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	16,158.63	405.42
26 24 19 00-0576 EA 2.4/4.8 KV NEMA 3 Weather Resistant	5,243.26	
26 24 19 00-0577 EA 2.4/4.8 KV Space Heaters	273.10	20.27
26 24 19 00-0578 EA 2.4/4.8 KV Potential Transformer Fused	1,519.01	
26 24 19 00-0579 EA 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	815.03	
26 24 19 00-0580 EA 2.4/4.8 KV Control Transformer 4 KVA Max	2,427.31	
26 24 19 00-0581 EA 2.4/4.8 KV Pushbuttons Each	155.45	
26 24 19 00-0582 EA 2.4/4.8 KV Selector Switch Each	515.22	
26 24 19 00-0583 EA 2.4/4.8 KV Indicating Light	155.45	
26 24 19 00-0584 EA 2.4/4.8 KV Push To Test Light	470.81	
26 24 19 00-0585 EA 2.4/4.8 KV AC Voltmeter, Switchboard Type	1,252.52	
26 24 19 00-0586 EA 2.4/4.8 KV AC Ammeter, Switchboard Type	1,252.52	
26 24 19 00-0587 EA 2.4/4.8 KV Power Factor Meter	3,746.46	
26 24 19 00-0588 EA 2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,582.77	
26 24 19 00-0589 EA 2.4/4.8 KV Operation Counter	511.35	20.27
26 24 19 00-0590 EA 2.4/4.8 KV Phase Failure Protection	3,648.42	67.57
26 24 19 00-0591 EA 2.4/4.8 KV Ground Protection	6,934.23	33.78
26 24 19 00-0592 EA 2.4/4.8 KV Synchronous Motor DC Protection	2,722.59	33.78
26 24 19 00-0593 EA 2.4/4.8 KV Lightning Arresters	5,141.08	20.27
26 24 19 00-0594 EA 2.4/4.8 KV Portable Lifting Mechanism	7,434.88	
26 24 19 00-0595 EA 2.4/4.8 KV Auxiliary Timing Relay	608.53	67.57
26 24 19 00-0596 EA 2.4/4.8 KV Auxiliary Control Relay	448.19	67.57
26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484)		
Note: 3 Pole. Includes structure.		
26 24 19 00-0598 EA Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included	1,404.75	405.25
26 24 19 00-0599 EA Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included	2,442.23	717.33
26 24 19 00-0600 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	2,940.62	918.47
26 24 19 00-0601 EA Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	4,705.78	1,479.03
26 24 19 00-0602 EA Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	5,513.88	1,626.94
26 24 19 00-0603 EA Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	7,022.78	1,804.42
26 24 19 00-0604 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included	8,178.60	2,115.01
26 24 19 00-0605 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included	13,733.12	2,464.06
26 24 19 00-0606 Main Lugs Only (26 24 19 00-0484)		
26 24 19 00-0607 EA 600 Amperes Incoming Section, Main Lugs	1,175.85	517.66
26 24 19 00-0608 EA 800 Amperes Incoming Section, Main Lugs	1,280.57	517.66
26 24 19 00-0609 EA 1,200 Amperes Incoming Section, Main Lugs	1,811.58	813.46
26 24 19 00-0610 EA 2,000 Amperes Incoming Section, Main Lugs	4,266.87	1,479.03
26 24 19 00-0611 EA 3,000 Amperes Incoming Section, Main Lugs	6,462.84	2,144.59
26 24 19 00-0612 EA 4,000 Amperes Incoming Section, Main Lugs	9,178.21	2,958.06
26 24 19 00-0613 Incoming Main Circuit Breaker Structure (26 24 19 00-0484)		
Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0614 EA 225 Amperes, Main Circuit Breaker Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	6,995.43 182.00 334.00 97.00 245.00 108.00	715.71
26 24 19 00-0615 EA 400 Amperes, Main Circuit Breaker Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	14,633.84 182.00 334.00 97.00 245.00 108.00	919.37
26 24 19 00-0616 EA 600 Amperes, Main Circuit Breaker Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	15,366.09 182.00 334.00 97.00 245.00 108.00	1,431.99



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 19 00-0617	EA		800 Amperes, Main Circuit Breaker Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	21,616.17 182.00 334.00 97.00 245.00 108.00	1,431.99
	26 24 19 00-0618	EA		1,200 Amperes, Main Circuit Breaker Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	31,124.19 182.00 334.00 97.00 245.00 108.00	1,620.28
26 24 19 00-0619				Incoming Fusible Main Disconnect Section <small>(26 24 19 00-0484)</small> Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
	26 24 19 00-0620	EA		200 Amperes, Fusible Main Disconnect Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	6,108.41 182.00 334.00 97.00 245.00 108.00	716.59
	26 24 19 00-0621	EA		400 Amperes, Fusible Main Disconnect Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	8,409.01 182.00 334.00 97.00 245.00 108.00	919.81
	26 24 19 00-0622	EA		600 Amperes, Fusible Main Disconnect Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	16,297.16 182.00 334.00 97.00 245.00 108.00	1,433.19
	26 24 19 00-0623	EA		800 Amperes, Fusible Main Disconnect Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	18,861.05 182.00 334.00 97.00 245.00 108.00	1,433.19
	26 24 19 00-0624	EA		1,200 Amperes, Fusible Main Disconnect Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	26,420.77 182.00 334.00 97.00 245.00 108.00	1,621.76
26 24 19 00-0625				Circuit Breaker Combination Starters <small>(26 24 19 00-0484)</small>		
26 24 19 00-0626				Class I, Type A <small>(26 24 19 00-0625)</small>		
	26 24 19 00-0627	EA		Size 1, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,151.67 171.18	300.24
	26 24 19 00-0628	EA		Size 2, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,333.48 189.62	300.24
	26 24 19 00-0629	EA		Size 3, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,922.52 255.01	425.96
	26 24 19 00-0630	EA		Size 4, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,078.87 336.14	560.56
	26 24 19 00-0631	EA		Size 5, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,396.75 420.18	701.06
26 24 19 00-0632				Class I, Type B <small>(26 24 19 00-0625)</small>		
	26 24 19 00-0633	EA		Size 1, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,080.74 147.90	261.78
	26 24 19 00-0634	EA		Size 2, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,256.62 166.56	261.78
	26 24 19 00-0635	EA		Size 3, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,830.97 227.54	378.64
	26 24 19 00-0636	EA		Size 4, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,985.49 308.13	513.22
	26 24 19 00-0637	EA		Size 5, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,321.45 397.59	655.21
26 24 19 00-0638				Class I, Type C <small>(26 24 19 00-0625)</small>		
	26 24 19 00-0639	EA		Size 1, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,124.31 133.97	242.56
	26 24 19 00-0640	EA		Size 2, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,313.84 157.34	242.56
	26 24 19 00-0641	EA		Size 3, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,941.23 217.50	362.37

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0642	EA		Size 4, Class I, Type C Circuit Breaker Combination Starter	3,104.17	501.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	300.62	
26 24 19 00-0643	EA		Size 5, Class I, Type C Circuit Breaker Combination Starter	5,428.04	643.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	385.17	
26 24 19 00-0644			Class II, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645	EA		Size 1, Class II, Type B Circuit Breaker Combination Starter	1,175.74	359.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.17	
26 24 19 00-0646	EA		Size 2, Class II, Type B Circuit Breaker Combination Starter	1,586.27	359.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	226.85	
26 24 19 00-0647	EA		Size 3, Class II, Type B Circuit Breaker Combination Starter	2,223.15	479.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	286.64	
26 24 19 00-0648	EA		Size 4, Class II, Type B Circuit Breaker Combination Starter	3,559.85	613.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	369.76	
26 24 19 00-0649	EA		Size 5, Class II, Type B Circuit Breaker Combination Starter	6,267.14	749.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	450.92	
26 24 19 00-0650			Class II, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651	EA		Size 1, Class II, Type C Circuit Breaker Combination Starter	1,425.19	340.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	194.61	
26 24 19 00-0652	EA		Size 2, Class II, Type C Circuit Breaker Combination Starter	1,628.56	340.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	212.51	
26 24 19 00-0653	EA		Size 3, Class II, Type C Circuit Breaker Combination Starter	2,340.27	464.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.01	
26 24 19 00-0654	EA		Size 4, Class II, Type C Circuit Breaker Combination Starter	3,667.68	599.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	358.99	
26 24 19 00-0655	EA		Size 5, Class II, Type C Circuit Breaker Combination Starter	6,394.89	739.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	445.49	
26 24 19 00-0656			Fused Disconnect Combination Starter <small>(26 24 19 00-0484)</small>		
26 24 19 00-0657			Class I, Type A <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658	EA		Size 1, Class I, Type A Fused Disconnect Combination Starter	1,058.78	276.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.56	
26 24 19 00-0659	EA		Size 2, Class I, Type A Fused Disconnect Combination Starter	1,577.69	378.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	226.85	
26 24 19 00-0660	EA		Size 3, Class I, Type A Fused Disconnect Combination Starter	2,457.49	492.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	295.81	
26 24 19 00-0661	EA		Size 4, Class I, Type A Fused Disconnect Combination Starter	3,370.14	690.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	415.46	
26 24 19 00-0662	EA		Size 5, Class I, Type A Fused Disconnect Combination Starter	5,749.77	880.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	528.23	
26 24 19 00-0663			Class I, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664	EA		Size 1, Class I, Type B Fused Disconnect Combination Starter	1,061.44	247.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.90	
26 24 19 00-0665	EA		Size 2, Class I, Type B Fused Disconnect Combination Starter	1,432.60	338.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.17	
26 24 19 00-0666	EA		Size 3, Class I, Type B Fused Disconnect Combination Starter	2,097.44	452.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	271.88	
26 24 19 00-0667	EA		Size 4, Class I, Type B Fused Disconnect Combination Starter	3,461.11	653.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	393.36	
26 24 19 00-0668	EA		Size 5, Class I, Type B Fused Disconnect Combination Starter	5,820.14	831.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	499.67	
26 24 19 00-0669			Class I, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670	EA		Size 1, Class I, Type C Fused Disconnect Combination Starter	1,109.41	230.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.49	
26 24 19 00-0671	EA		Size 2, Class I, Type C Fused Disconnect Combination Starter	1,493.96	313.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	189.62	
26 24 19 00-0672	EA		Size 3, Class I, Type C Fused Disconnect Combination Starter	2,255.54	436.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	264.11	
26 24 19 00-0673	EA		Size 4, Class I, Type C Fused Disconnect Combination Starter	3,617.82	643.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	385.17	
26 24 19 00-0674	EA		Size 5, Class I, Type C Fused Disconnect Combination Starter	5,521.54	822.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	493.01	
26 24 19 00-0675			Class II, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676	EA		Size 1, Class II, Type B Fused Disconnect Combination Starter	1,355.24	346.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	207.73	
26 24 19 00-0677	EA		Size 2, Class II, Type B Fused Disconnect Combination Starter	1,743.18	431.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.57	
26 24 19 00-0678	EA		Size 3, Class II, Type B Fused Disconnect Combination Starter	2,495.24	556.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	333.11	
26 24 19 00-0679	EA		Size 4, Class II, Type B Fused Disconnect Combination Starter	3,991.94	749.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	450.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0680 EA Size 5, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,680.56 560.24	936.23
26 24 19 00-0681 Class II, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682 EA Size 1, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,390.87 194.61	325.39
26 24 19 00-0683 EA Size 2, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,804.04 244.87	408.21
26 24 19 00-0684 EA Size 3, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,621.70 318.76	530.97
26 24 19 00-0685 EA Size 4, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,130.47 440.19	732.12
26 24 19 00-0686 EA Size 5, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,809.64 543.76	906.64
26 24 19 00-0687 Space Complete With Bus And Hardware <small>(26 24 19 00-0484)</small>		
26 24 19 00-0688 Circuit Breaker Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689 EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	333.40	100.57
26 24 19 00-0690 EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	333.40	100.57
26 24 19 00-0691 EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	494.39	146.43
26 24 19 00-0692 EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	594.75	192.28
26 24 19 00-0693 EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	985.26	292.85
26 24 19 00-0694 Fused Disconnect Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695 EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	333.40	100.57
26 24 19 00-0696 EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	447.72	146.43
26 24 19 00-0697 EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	617.59	192.28
26 24 19 00-0698 EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	1,048.99	292.85
26 24 19 00-0699 EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	1,469.81	425.96
26 24 19 00-0700 Blank Space For Future Expansion <small>(26 24 19 00-0687)</small>		
Note: Factory modified no labor costs.		
26 24 19 00-0701 EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	132.99	
26 24 19 00-0702 EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	132.99	
26 24 19 00-0703 EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	201.63	
26 24 19 00-0704 EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	201.63	
26 24 19 00-0705 EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	401.12	
26 24 19 00-0706 Structure Combination Of Starters To 72" High <small>(26 24 19 00-0687)</small>		
26 24 19 00-0707 EA Structure Combination Of Starters To 72" High	3,718.80	778.41
26 24 19 00-0708 Motor Control Center Basic Distribution Section <small>(26 24 19 00-0484)</small>		
26 24 19 00-0709 EA 20" Wide Basic Section With Vertical Wireway	6,534.52	2,027.16
<i>For 20" Cabinet Depth, Add</i>		
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>		
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>		
<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>		
<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>		
<i>For NEMA 1 With Gasket, Add</i>		
<i>For NEMA 12, Add</i>		
<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>		
26 24 19 00-0710 EA 25"-35" Wide Basic Section (No Vertical Wireway).....	6,534.52	2,027.16
<i>For 20" Cabinet Depth, Add</i>		
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>		
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>		
<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>		
<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>		
<i>For NEMA 1 With Gasket, Add</i>		
<i>For NEMA 12, Add</i>		
<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>		
26 24 19 00-0711 EA 25" Wide Basic Section With 9" Wide Vertical Wireway.....	7,118.94	2,027.16
<i>For 20" Cabinet Depth, Add</i>		
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>		
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>		
<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>		
<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>		
<i>For NEMA 1 With Gasket, Add</i>		
<i>For NEMA 12, Add</i>		
<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0712	EA		Corner Section.....	7,118.94	2,027.16
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0713			Motor Control Center Starters With HMCP Circuit Breaker <small>(26 24 19 00-0484)</small>		
			Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714			FVNR Starters With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0715	EA		Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker.....	1,586.27	284.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.81	
26 24 19 00-0716	EA		Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker.....	1,765.10	315.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	189.46	
26 24 19 00-0717	EA		Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker.....	3,004.47	424.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.71	
26 24 19 00-0718	EA		Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker.....	4,332.50	559.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	335.84	
26 24 19 00-0719	EA		Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker.....	9,615.56	699.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	419.70	
26 24 19 00-0720	EA		Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker.....	22,065.64	699.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	419.70	
26 24 19 00-0721	EA		Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker.....	1,582.86	246.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.74	
26 24 19 00-0722	EA		Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker.....	1,785.00	277.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.38	
26 24 19 00-0723	EA		Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker.....	3,046.73	378.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	227.17	
26 24 19 00-0724	EA		Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker.....	4,314.06	513.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	307.96	
26 24 19 00-0725	EA		Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker.....	9,616.34	662.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	397.59	
26 24 19 00-0726	EA		Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker.....	22,200.38	662.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	397.59	
26 24 19 00-0727			Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728	EA		Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	2,495.48	356.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.73	
26 24 19 00-0729	EA		Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	3,042.15	394.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.52	
26 24 19 00-0730	EA		Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	4,959.22	529.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	317.84	
26 24 19 00-0731	EA		Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	8,435.92	700.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	420.18	
26 24 19 00-0732	EA		Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	15,058.89	876.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	525.72	
26 24 19 00-0733	EA		Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	2,509.99	307.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.57	
26 24 19 00-0734	EA		Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	3,081.54	346.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	208.12	
26 24 19 00-0735	EA		Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	5,019.14	474.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.43	
26 24 19 00-0736	EA		Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	8,430.93	641.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	385.17	
26 24 19 00-0737	EA		Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	15,076.30	829.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	497.43	
26 24 19 00-0738			Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0739	EA		Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,718.91	356.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.73	
26 24 19 00-0740	EA		Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	3,818.22	394.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.52	
26 24 19 00-0741	EA		Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	7,108.69	529.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	317.84	
26 24 19 00-0742	EA		Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	9,670.79	700.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	420.18	
26 24 19 00-0743	EA		Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	19,147.80	876.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	525.72	
26 24 19 00-0744	EA		Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,733.42	307.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.57	
26 24 19 00-0745	EA		Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	3,857.61	346.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	208.12	
26 24 19 00-0746	EA		Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	7,168.62	474.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.43	
26 24 19 00-0747	EA		Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	9,665.80	641.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	385.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,165.22 497.43	829.00
26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect (26 24 19 00-0484) Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750 FVNR Starters With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	1,301.48	277.61
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,703.48	377.30
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	2,778.35	491.63
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	4,623.22	692.48
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	9,058.24	880.31
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	22,351.32	880.31
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	1,311.13	246.11
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,721.66	337.96
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	2,835.29	453.17
26 24 19 00-0760 EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	5,366.43	655.66
26 24 19 00-0761 EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	9,037.55	832.84
26 24 19 00-0762 EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	22,464.69	832.84
26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,183.13	347.57
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,036.13	471.66
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,648.53	614.24
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	9,554.79	868.04
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	15,366.43	1,015.80
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,214.05	307.64
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,071.13	422.11
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,725.62	567.06
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	9,566.65	818.05
26 24 19 00-0773 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	15,362.35	957.97
26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0775 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,519.77	347.57
26 24 19 00-0776 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,824.12	471.66
26 24 19 00-0777 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,820.35	614.24
26 24 19 00-0778 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	10,007.63	868.04
26 24 19 00-0779 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	18,624.16	1,015.80
26 24 19 00-0780 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,551.69	307.64
26 24 19 00-0781 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,859.12	422.11
26 24 19 00-0782 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,897.43	567.06
26 24 19 00-0783 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	10,019.49	818.05
26 24 19 00-0784 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	18,620.07	957.97
26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit (26 24 19 00-0484) Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786 EA 600 Amperes, Horizontal Tin Plated Copper Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	263.45 11.11	
26 24 19 00-0787 EA 800 Amperes, Horizontal Tin Plated Copper Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.04 11.11	
26 24 19 00-0788 EA 1,200 Amperes, Horizontal Tin Plated Copper Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	386.04 13.33	
26 24 19 00-0789 EA 1,600 Amperes, Horizontal Tin Plated Copper Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	499.25 13.33	
26 24 19 00-0790 EA 2,000 Amperes, Horizontal Tin Plated Copper Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	832.37 15.55	
26 24 19 00-0791 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.76 8.89	
26 24 19 00-0792 Disconnect Switch For Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0793 3 Pole Circuit Breaker Disconnect For Motor Control Center (26 24 19 00-0792) Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794 EA 150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	947.81	213.72
26 24 19 00-0795 EA 150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,570.66	236.65
26 24 19 00-0796 EA 225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,935.42	318.73
26 24 19 00-0797 EA 400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	3,141.71	420.04
26 24 19 00-0798 EA 600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	5,299.32	525.05
26 24 19 00-0799 EA 800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	5,997.84	525.05
26 24 19 00-0800 EA 1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	12,084.62	657.43
26 24 19 00-0801 Fusible Disconnect Switch For Motor Control Center (26 24 19 00-0792) Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0802	EA		30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips.....	907.16	207.81
26 24 19 00-0803	EA		60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips.....	1,087.87	283.23
26 24 19 00-0804	EA		100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips.....	1,478.46	362.37
26 24 19 00-0805	EA		200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips.....	2,681.37	519.14
26 24 19 00-0806	EA		400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips.....	4,637.87	660.24
26 24 19 00-0807	EA		600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips.....	10,238.72	660.24
26 24 19 00-0808	EA		800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips.....	12,661.73	825.30
26 24 19 00-0809	EA		1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips.....	18,524.75	825.30
26 24 19 00-0810			Control Circuit Transformer (26 24 19 00-0484)		
26 24 19 00-0811	EA		Control Circuit Transformer, Size 1 Factory Installed.....	70.95	
26 24 19 00-0812	EA		Control Circuit Transformer, Size 2 Factory Installed.....	70.95	
26 24 19 00-0813	EA		Control Circuit Transformer, Size 3 Factory Installed.....	136.64	
26 24 19 00-0814	EA		Control Circuit Transformer, Size 4 Factory Installed.....	136.64	
26 24 19 00-0815	EA		Control Circuit Transformer, Size 5 Factory Installed.....	189.83	
26 24 19 00-0816	EA		Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	61.36	16.73
26 24 19 00-0817			Cover Mounted Control Devices (26 24 19 00-0484)		
26 24 19 00-0818	EA		Control Device, 2 Unit Push Button Station Cover Mounted.....	132.57	29.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.49	
26 24 19 00-0819	EA		Control Device, 2-3 Unit Selector Switch Cover Mounted.....	150.61	29.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.11	
26 24 19 00-0820	EA		Control Device, Pilot Light Cover Mounted.....	122.37	29.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.85	
26 24 19 00-0821	EA		Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	349.21	100.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.62	
26 24 19 00-0822	EA		Auxiliary Contact Add Per Starter.....	382.05	38.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.99	
26 24 19 00-0823			Extra Interlocks (26 24 19 00-0484)		
			Note: Per contact.		
26 24 19 00-0824	EA		Extra Interlocks, Class I, Type A Per Contact.....	87.69	19.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.85	
26 24 19 00-0825	EA		Extra Interlocks, Class I, Type B Per Contact.....	117.35	19.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.85	
26 24 19 00-0826	EA		Extra Interlocks, Class I, Type C Per Contact.....	127.50	19.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.56	
26 24 19 00-0827	EA		Extra Interlocks, Class II, Type B Per Contact.....	113.86	19.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 24 19 00-0828	EA		Extra Interlocks, Class II, Type C Per Contact.....	118.17	19.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.98	
26 24 19 00-0829			Special Cabinet Provisions (26 24 19 00-0484)		
26 24 19 00-0830	EA		Provisions For Bus Duct Entrance Special Cabinet Provisions.....	888.19	
26 24 19 00-0831			Nameplate Requirements (26 24 19 00-0484)		
26 24 19 00-0832	EA		Special Cabinet Nameplate Requirements.....	31.53	
26 24 19 00-0833			Auxiliary Relays (26 24 19 00-0484)		
26 24 19 00-0834	EA		Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts.....	190.84	37.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.22	
26 24 19 00-0835	EA		Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay.....	181.35	33.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.22	
26 24 19 00-0836	EA		General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base.....	110.55	33.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.22	
26 24 19 00-0837			Motor Control Center Accessories (26 24 19 00-0484)		
26 24 19 00-0838			Lighting Transformer With Circuit Breaker (26 24 19 00-0837)		
			Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA		1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,363.01	472.53
26 24 19 00-0840	EA		1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,575.99	491.43
26 24 19 00-0841	EA		1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,096.85	529.24
26 24 19 00-0842	EA		1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,618.34	567.04
26 24 19 00-0843	EA		1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,169.64	604.84
26 24 19 00-0844	EA		1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,463.21	680.44
26 24 19 00-0845	EA		1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	16,311.55	756.05
26 24 19 00-0846	EA		3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,612.54	623.75
26 24 19 00-0847	EA		3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,444.84	680.44
26 24 19 00-0848	EA		3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,935.59	756.05
26 24 19 00-0849	EA		3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,676.21	831.65
26 24 19 00-0850	EA		3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	15,248.98	907.26
26 24 19 00-0851	EA		3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	15,756.04	982.87



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Switchboards and Panelboards	26 24	

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

26 24 19 00-0852 Bolt-On Lighting Panel <small>(26 24 19 00-0837)</small>		
Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853 EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,502.90
26 24 19 00-0854 EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,960.44
26 24 19 00-0855 EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	5,276.56
26 24 19 00-0856 EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,629.10
26 24 19 00-0857 EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,903.44
26 24 19 00-0858 EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	5,503.13
26 24 19 00-0859 EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	4,055.50
26 24 19 00-0860 EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	5,501.41
26 24 19 00-0861 EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	6,930.15
26 24 19 00-0862 EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,195.92
26 24 19 00-0863 EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	5,501.41
26 24 19 00-0864 EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	7,054.39

26 24 19 00-0865 Factory Installed Bolt-On Branch Circuit Breaker <small>(26 24 19 00-0837)</small>		
Note: For MCC lighting panel only.		
26 24 19 00-0866 EA	15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker	20.87
26 24 19 00-0867 EA	15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker	273.73
26 24 19 00-0868 EA	15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	40.79
26 24 19 00-0869 EA	60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	93.92
26 24 19 00-0870 EA	15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	110.05
26 24 19 00-0871 EA	60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	166.97

26 24 19 00-0872 Blank Unit Door (BUD) <small>(26 24 19 00-0837)</small>		
Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873 EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	72.99
26 24 19 00-0874 EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	87.59
26 24 19 00-0875 EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	131.39
26 24 19 00-0876 EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	175.18
26 24 19 00-0877 EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	262.78
26 24 19 00-0878 EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	306.57
26 24 19 00-0879 EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	350.37

26 25 Enclosed Bus Assemblies (26 20)

26 25 13 Low-Voltage Busways (26 25)

26 25 13 00-0001 Plug-In Bus Duct <small>(26 25 13)</small>		
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 13 00-0002 600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 13 00-0001)</small>		
26 25 13 00-0003 LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	273.89
	For Up To 25, Add	68.47
	For >25 To 50, Add	41.08
	For >50 To 100, Add	20.54
26 25 13 00-0004 LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	378.79
	For Up To 25, Add	94.70
	For >25 To 50, Add	56.82
	For >50 To 100, Add	28.41
26 25 13 00-0005 LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	476.22
	For Up To 25, Add	119.06
	For >25 To 50, Add	71.43
	For >50 To 100, Add	35.72
26 25 13 00-0006 LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	646.17
	For Up To 25, Add	161.54
	For >25 To 50, Add	96.93
	For >50 To 100, Add	48.46
26 25 13 00-0007 LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	682.41
	For Up To 25, Add	170.60
	For >25 To 50, Add	102.36
	For >50 To 100, Add	51.18
26 25 13 00-0008 LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	936.93
	For Up To 25, Add	234.23
	For >25 To 50, Add	140.54
	For >50 To 100, Add	70.27
26 25 13 00-0009 LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,089.66
	For Up To 25, Add	272.42
	For >25 To 50, Add	163.45
	For >50 To 100, Add	81.72
26 25 13 00-0010 LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,316.41
	For Up To 25, Add	329.10
	For >25 To 50, Add	197.46
	For >50 To 100, Add	98.73

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 25 Enclosed Bus Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0011 LF 2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,614.59	84.30
For Up To 25, Add	403.65	
For >25 To 50, Add	242.19	
For >50 To 100, Add	121.09	
26 25 13 00-0012 LF 3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,865.02	98.36
For Up To 25, Add	466.26	
For >25 To 50, Add	279.75	
For >50 To 100, Add	139.88	
26 25 13 00-0013 LF 4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,153.68	107.23
For Up To 25, Add	538.42	
For >25 To 50, Add	323.05	
For >50 To 100, Add	161.53	
26 25 13 00-0014 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 13 00-0001)		
26 25 13 00-0015 LF 225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	426.61	44.37
For Up To 25, Add	106.65	
For >25 To 50, Add	63.99	
For >50 To 100, Add	32.00	
26 25 13 00-0016 LF 400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	607.08	44.37
For Up To 25, Add	151.77	
For >25 To 50, Add	91.06	
For >50 To 100, Add	45.53	
26 25 13 00-0017 LF 600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	686.37	59.16
For Up To 25, Add	171.59	
For >25 To 50, Add	102.96	
For >50 To 100, Add	51.48	
26 25 13 00-0018 LF 800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	866.49	59.16
For Up To 25, Add	216.62	
For >25 To 50, Add	129.97	
For >50 To 100, Add	64.99	
26 25 13 00-0019 LF 1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,051.90	73.95
For Up To 25, Add	262.98	
For >25 To 50, Add	157.79	
For >50 To 100, Add	78.89	
26 25 13 00-0020 LF 1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,352.15	73.95
For Up To 25, Add	338.04	
For >25 To 50, Add	202.82	
For >50 To 100, Add	101.41	
26 25 13 00-0021 LF 1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,740.45	76.62
For Up To 25, Add	435.11	
For >25 To 50, Add	261.07	
For >50 To 100, Add	130.53	
26 25 13 00-0022 LF 2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,087.49	79.86
For Up To 25, Add	521.87	
For >25 To 50, Add	313.12	
For >50 To 100, Add	156.56	
26 25 13 00-0023 LF 2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,578.53	83.56
For Up To 25, Add	644.63	
For >25 To 50, Add	386.78	
For >50 To 100, Add	193.39	
26 25 13 00-0024 LF 3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,977.28	98.36
For Up To 25, Add	744.32	
For >25 To 50, Add	446.59	
For >50 To 100, Add	223.30	
26 25 13 00-0025 LF 4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,446.48	107.23
For Up To 25, Add	861.62	
For >25 To 50, Add	516.97	
For >50 To 100, Add	258.49	
26 25 13 00-0026 Cable Tap Boxes (26 25 13 00-0001)		
26 25 13 00-0027 600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 13 00-0026)		
26 25 13 00-0028 EA 225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,134.22	207.07
26 25 13 00-0029 EA 400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,225.84	207.07
26 25 13 00-0030 EA 600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,418.71	281.02
26 25 13 00-0031 EA 800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,587.74	281.02
26 25 13 00-0032 EA 1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,785.22	369.76
26 25 13 00-0033 EA 1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,055.22	369.76
26 25 13 00-0034 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 13 00-0026)		
26 25 13 00-0035 EA 225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	2,225.84	406.74
26 25 13 00-0036 EA 400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	2,435.68	406.74
26 25 13 00-0037 EA 600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	2,620.17	554.63
26 25 13 00-0038 EA 800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	2,947.10	554.63
26 25 13 00-0039 EA 1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	3,117.68	739.52
26 25 13 00-0040 EA 1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	3,540.17	739.52
26 25 13 00-0041 Bus Duct Plug-In Circuit Breaker (26 25 13 00-0001)		
26 25 13 00-0042 240 Volt, 3-Phase (26 25 13 00-0041)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0043 EA 60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker.....	992.57	147.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.91	
26 25 13 00-0044 EA 100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker.....	1,913.29	147.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.87	
26 25 13 00-0045 600 Volt, 3-Phase <small>(26 25 13 00-0041)</small>		
26 25 13 00-0046 EA 60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker.....	1,836.77	147.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.91	
26 25 13 00-0047 EA 100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker.....	2,378.05	147.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.87	
26 25 13 00-0048 120/208 Volt, 3-Phase, 4-Wire <small>(26 25 13 00-0041)</small>		
26 25 13 00-0049 EA 60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker.....	1,142.21	177.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.44	
26 25 13 00-0050 EA 100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker.....	1,370.05	177.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.55	
26 25 13 00-0051 277/480 Volt, 3-Phase, 4-Wire <small>(26 25 13 00-0041)</small>		
26 25 13 00-0052 EA 60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	1,293.01	177.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.44	
26 25 13 00-0053 EA 100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	1,960.53	177.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.55	
26 25 13 00-0054 EA 225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	2,968.58	613.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	266.01	
26 25 13 00-0055 EA 400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	7,023.74	613.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	577.75	
26 25 13 00-0056 EA 600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	8,017.54	1,774.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	803.82	
26 25 13 00-0057 EA 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	10,478.99	1,774.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,422.15	
26 25 13 00-0058 Bus Duct Plug-In Fusible Switch <small>(26 25 13 00-0001)</small>		
26 25 13 00-0059 240 Volt, 3-Pole, 3-Fuse <small>(26 25 13 00-0058)</small>		
26 25 13 00-0060 EA 30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	990.50	147.91
26 25 13 00-0061 EA 60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,096.32	147.91
26 25 13 00-0062 EA 100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,502.94	177.48
26 25 13 00-0063 EA 200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,546.31	354.96
26 25 13 00-0064 EA 400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	6,358.25	798.68
26 25 13 00-0065 EA 600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	9,642.60	1,390.29
26 25 13 00-0066 600 Volt, 3-Pole, 3-Fuse <small>(26 25 13 00-0058)</small>		
26 25 13 00-0067 EA 30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,019.33	162.69
26 25 13 00-0068 EA 60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,122.97	162.69
26 25 13 00-0069 EA 100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,507.24	162.69
26 25 13 00-0070 EA 200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,594.75	340.18
26 25 13 00-0071 EA 400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	6,318.75	769.09
26 25 13 00-0072 EA 600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	9,922.72	1,479.03
26 25 13 00-0073 EA 800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	15,985.53	1,922.74
26 25 13 00-0074 120/208 Volt, 4-pole, 3 Fuse <small>(26 25 13 00-0058)</small>		
26 25 13 00-0075 EA 30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,142.78	192.28
26 25 13 00-0076 EA 60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,239.36	192.28
26 25 13 00-0077 EA 100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,674.20	192.28
26 25 13 00-0078 EA 200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,834.56	399.34
26 25 13 00-0079 EA 400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	7,001.80	887.42
26 25 13 00-0080 EA 600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	10,221.90	1,360.70
26 25 13 00-0081 277/480 Volt, 4-pole, 3-Fuse <small>(26 25 13 00-0058)</small>		
26 25 13 00-0082 EA 30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,177.46	192.28
26 25 13 00-0083 EA 60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,274.04	163.14
26 25 13 00-0084 EA 100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,778.56	221.85
26 25 13 00-0085 EA 200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,946.94	399.34
26 25 13 00-0086 EA 400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	7,001.80	887.42
26 25 13 00-0087 EA 600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	10,221.90	1,360.70
26 25 13 00-0088 EA 800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	15,965.38	1,804.42
26 25 16 Low-Voltage Cablebus Systems <small>(26 25)</small>		
26 25 16 00-0001 Feeder Bus Duct <small>(26 25 16)</small>		
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 25 Enclosed Bus Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0002			600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance <small>(26 25 16 00-0001)</small> Note: Copper conductors.		
26 25 16 00-0003	LF		800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	759.78	62.12
			For Up To 25, Add	189.95	
			For >25 To 50, Add	113.97	
			For >50 To 100, Add	56.98	
26 25 16 00-0004	LF		1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	772.33	62.12
			For Up To 25, Add	193.08	
			For >25 To 50, Add	115.85	
			For >50 To 100, Add	57.92	
26 25 16 00-0005	LF		1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,003.44	62.12
			For Up To 25, Add	250.86	
			For >25 To 50, Add	150.52	
			For >50 To 100, Add	75.26	
26 25 16 00-0006	LF		1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,200.46	62.12
			For Up To 25, Add	300.12	
			For >25 To 50, Add	180.07	
			For >50 To 100, Add	90.03	
26 25 16 00-0007	LF		2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,464.24	62.12
			For Up To 25, Add	366.06	
			For >25 To 50, Add	219.64	
			For >50 To 100, Add	109.82	
26 25 16 00-0008	LF		3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,999.80	147.91
			For Up To 25, Add	499.95	
			For >25 To 50, Add	299.97	
			For >50 To 100, Add	149.99	
26 25 16 00-0009	LF		4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,754.75	147.91
			For Up To 25, Add	688.69	
			For >25 To 50, Add	413.21	
			For >50 To 100, Add	206.61	
26 25 16 00-0010	LF		5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,259.54	147.91
			For Up To 25, Add	814.89	
			For >25 To 50, Add	488.93	
			For >50 To 100, Add	244.47	
26 25 16 00-0011	LF		6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,007.93	147.91
			For Up To 25, Add	1,001.98	
			For >25 To 50, Add	601.19	
			For >50 To 100, Add	300.59	
26 25 16 00-0012			277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 16 00-0001)</small> Note: Low impedance, copper conductors.		
26 25 16 00-0013	LF		800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	866.60	66.56
			For Up To 25, Add	216.65	
			For >25 To 50, Add	129.99	
			For >50 To 100, Add	65.00	
26 25 16 00-0014	LF		1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	883.68	66.56
			For Up To 25, Add	220.92	
			For >25 To 50, Add	132.55	
			For >50 To 100, Add	66.28	
26 25 16 00-0015	LF		1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,130.67	66.56
			For Up To 25, Add	282.67	
			For >25 To 50, Add	169.60	
			For >50 To 100, Add	84.80	
26 25 16 00-0016	LF		1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,339.89	66.56
			For Up To 25, Add	334.97	
			For >25 To 50, Add	200.98	
			For >50 To 100, Add	100.49	
26 25 16 00-0017	LF		2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,616.21	66.56
			For Up To 25, Add	404.05	
			For >25 To 50, Add	242.43	
			For >50 To 100, Add	121.22	
26 25 16 00-0018	LF		3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,475.44	113.89
			For Up To 25, Add	618.86	
			For >25 To 50, Add	371.32	
			For >50 To 100, Add	185.66	
26 25 16 00-0019	LF		4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,103.46	113.89
			For Up To 25, Add	775.87	
			For >25 To 50, Add	465.52	
			For >50 To 100, Add	232.76	
26 25 16 00-0020	LF		5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,673.56	211.50
			For Up To 25, Add	918.39	
			For >25 To 50, Add	551.03	
			For >50 To 100, Add	275.52	
26 25 16 00-0021	LF		6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,521.12	211.50
			For Up To 25, Add	1,130.28	
			For >25 To 50, Add	678.17	
			For >50 To 100, Add	339.08	

26 27 Low-Voltage Distribution Equipment (26 20)

26 27 13 Electricity Metering (26 27)

26 27 13 00-0001 Revenue Metering (26 27 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0002 Meter Socket Base <small>(26 27 13 00-0001)</small>		
Note: NEMA 3R.		
26 27 13 00-0003 EA 100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	304.09	96.13
26 27 13 00-0004 EA 100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	320.56	96.13
26 27 13 00-0005 EA 200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	417.71	118.32
26 27 13 00-0006 EA 200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	422.39	118.32
26 27 13 00-0007 EA 200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	780.27	133.11
26 27 13 00-0008 EA 320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	1,026.59	147.91
26 27 13 00-0009 EA 400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	2,459.63	162.69
26 27 13 00-0010 EA Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	3,034.10	739.52
26 27 13 00-0011 Meter Device <small>(26 27 13 00-0001)</small>		
Note: Direct read, with 15 minute demand.		
26 27 13 00-0012 EA 100 To 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter.....	282.21	29.58
26 27 13 00-0013 EA 200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter.....	774.23	29.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.19	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.51	
26 27 13 00-0014 Current Transformer Enclosure <small>(26 27 13 00-0001)</small>		
26 27 13 00-0015 EA 18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	638.98	192.28
26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0017 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0018 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,090.33	92.44
26 27 13 00-0019 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,430.91	110.93
26 27 13 00-0020 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,769.71	129.41
26 27 13 00-0021 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,049.93	147.91
26 27 13 00-0022 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,658.58	166.39
26 27 13 00-0023 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,873.10	184.87
26 27 13 00-0024 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,355.41	221.85
26 27 13 00-0025 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0026 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	1,978.06	92.44
26 27 13 00-0027 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,600.92	110.93
26 27 13 00-0028 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,580.36	147.91
26 27 13 00-0029 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,972.39	166.39
26 27 13 00-0030 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,985.86	184.87
26 27 13 00-0031 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,664.96	129.41
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,177.76	147.91
26 27 13 00-0034 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,658.58	166.39
26 27 13 00-0035 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,121.66	184.87
26 27 13 00-0036 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,922.06	203.37
26 27 13 00-0037 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,118.84	221.85
26 27 13 00-0038 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,098.24	258.83
26 27 13 00-0039 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0040 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,549.12	129.41
26 27 13 00-0041 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,331.78	147.91
26 27 13 00-0042 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,684.03	184.87
26 27 13 00-0043 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,022.83	203.37
26 27 13 00-0044 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,409.09	221.85
26 27 13 00-0045 120/208 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0046 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0047 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,191.23	110.93
26 27 13 00-0048 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,551.34	129.41
26 27 13 00-0049 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,909.67	147.91
26 27 13 00-0050 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,214.73	166.39
26 27 13 00-0051 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,713.32	184.87
26 27 13 00-0052 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,927.83	203.37
26 27 13 00-0053 EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,605.44	240.35
26 27 13 00-0054 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0045)</small>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0055 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,086.05	110.93
26 27 13 00-0056 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,744.43	129.41
26 27 13 00-0057 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,954.64	166.39
26 27 13 00-0058 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,346.70	184.87
26 27 13 00-0059 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,253.68	203.37
26 27 13 00-0060 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,765.88	147.91
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,285.77	166.39
26 27 13 00-0063 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,819.87	184.87
26 27 13 00-0064 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,282.96	203.37
26 27 13 00-0065 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,118.90	221.85
26 27 13 00-0066 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,315.61	240.35
26 27 13 00-0067 EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,366.08	277.32
26 27 13 00-0068 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0069 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,674.89	147.91
26 27 13 00-0070 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,510.81	166.39
26 27 13 00-0071 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,022.88	203.37
26 27 13 00-0072 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,255.11	221.85
26 27 13 00-0073 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,659.17	240.35
26 27 13 00-0074 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0075 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0076 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,090.33	92.44
26 27 13 00-0077 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,430.91	110.93
26 27 13 00-0078 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,049.93	147.91
26 27 13 00-0079 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,658.58	166.39
26 27 13 00-0080 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,281.45	184.87
26 27 13 00-0081 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0082 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,978.05	92.44
26 27 13 00-0083 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,600.91	110.93
26 27 13 00-0084 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,757.88	147.91
26 27 13 00-0085 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,149.94	166.39
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,985.86	184.87
26 27 13 00-0087 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0088 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,664.96	129.41
26 27 13 00-0089 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,177.76	147.91
26 27 13 00-0090 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,121.66	184.87
26 27 13 00-0091 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,922.06	203.37
26 27 13 00-0092 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,118.84	221.85
26 27 13 00-0093 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0094 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,549.13	129.41
26 27 13 00-0095 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,331.78	147.91
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,684.03	184.87
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,022.83	203.37
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,409.14	221.85
26 27 13 00-0099 120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0100 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0101 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,191.23	110.93
26 27 13 00-0102 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,551.34	129.41
26 27 13 00-0103 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,214.73	166.39
26 27 13 00-0104 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,890.86	184.87
26 27 13 00-0105 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,282.91	203.37
26 27 13 00-0106 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0107 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,086.04	110.93
26 27 13 00-0108 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,744.42	129.41
26 27 13 00-0109 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,777.10	166.39
26 27 13 00-0110 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,169.16	184.87
26 27 13 00-0111 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,253.63	203.37
26 27 13 00-0112 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0113 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,765.86	147.91
26 27 13 00-0114 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,285.74	166.39
26 27 13 00-0115 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,282.91	203.37
26 27 13 00-0116 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,118.84	221.85
26 27 13 00-0117 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,315.61	240.35
26 27 13 00-0118 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0119 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,674.87	147.91
26 27 13 00-0120 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,510.78	166.39
26 27 13 00-0121 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,022.83	203.37
26 27 13 00-0122 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,255.11	221.85
26 27 13 00-0123 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,659.17	240.35
26 27 13 00-0124 Watt/Hour Meters <small>(26 27 13)</small>		
26 27 13 00-0125 EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,179.60	88.74
26 27 13 00-0126 EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	3,530.03	177.48
26 27 13 00-0127 EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,898.04	133.11
26 27 13 00-0128 EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,303.51	133.11
26 27 13 00-0129 EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,957.60	133.11
26 27 13 00-0130 EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,315.60	122.76
26 27 13 00-0131 EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,253.50	221.85
26 27 13 00-0132 Watt/Hour Meter Systems <small>(26 27 13)</small>		
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133 Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0134 EA 400 Amperes System; 200 Amperes M-90 Meter And Enclosure	5,891.11	887.57
26 27 13 00-0135 EA 600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure	6,848.03	887.57
26 27 13 00-0136 Watt/Hour Meter System With Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0137 EA 400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	10,092.45	887.57
26 27 13 00-0138 EA 600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	12,179.06	887.57
26 27 13 00-0139 EA 800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	13,063.97	887.57
26 27 16 Electrical Cabinets and Enclosures <small>(26 27)</small>		
Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001 NEMA 1 Enclosures, Lockable <small>(26 27 16)</small>		
26 27 16 00-0002 Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0003 4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0004 EA 6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	90.52	29.58
26 27 16 00-0005 EA 6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	101.27	32.54
26 27 16 00-0006 EA 8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	112.10	35.49
26 27 16 00-0007 EA 8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	130.86	41.42
26 27 16 00-0008 EA 10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	142.25	44.37
26 27 16 00-0009 EA 10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	154.38	47.33
26 27 16 00-0010 EA 12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	154.00	47.33
26 27 16 00-0011 EA 12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	166.39	50.29
26 27 16 00-0012 EA 12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	179.36	53.25
26 27 16 00-0013 EA 16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	233.36	70.99
26 27 16 00-0014 EA 16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	282.95	85.79
26 27 16 00-0015 EA 18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	269.34	82.83
26 27 16 00-0016 6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0017 EA 6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	112.84	35.49
26 27 16 00-0018 EA 8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	136.34	41.42
26 27 16 00-0019 EA 10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	163.09	50.29
26 27 16 00-0020 EA 10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	175.77	53.25
26 27 16 00-0021 EA 12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	188.68	56.20
26 27 16 00-0022 EA 12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	202.14	59.16
26 27 16 00-0023 EA 16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	257.39	76.91
26 27 16 00-0024 EA 16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	312.62	94.66

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0025	EA		18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	301.63	91.70
26 27 16 00-0026	EA		18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	392.39	118.32
26 27 16 00-0027	EA		24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	497.40	136.07
26 27 16 00-0028	EA		24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	565.38	147.91
26 27 16 00-0029	EA		30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	626.30	156.77
26 27 16 00-0030	EA		36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	679.84	162.69
26 27 16 00-0031	EA		24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L).....	464.09	118.32
26 27 16 00-0032			Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)		
26 27 16 00-0033			3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0034	EA		4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	62.10	20.71
26 27 16 00-0035	EA		6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	88.76	29.58
26 27 16 00-0036	EA		8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	98.79	32.54
26 27 16 00-0037			4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0038	EA		4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	69.69	23.66
26 27 16 00-0039	EA		6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	86.52	29.58
26 27 16 00-0040	EA		6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	96.40	32.54
26 27 16 00-0041	EA		8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	106.41	35.49
26 27 16 00-0042	EA		8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	124.16	41.42
26 27 16 00-0043	EA		10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	134.59	44.37
26 27 16 00-0044	EA		10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	145.47	47.33
26 27 16 00-0045	EA		12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	145.12	47.33
26 27 16 00-0046	EA		12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	156.42	50.29
26 27 16 00-0047	EA		12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	168.00	53.25
26 27 16 00-0048	EA		16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	220.42	70.99
26 27 16 00-0049	EA		16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	273.50	88.74
26 27 16 00-0050	EA		18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	254.03	82.83
26 27 16 00-0051	EA		18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	328.65	106.49
26 27 16 00-0052	EA		24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	464.40	133.11
26 27 16 00-0053			6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0054	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	106.91	35.49
26 27 16 00-0055	EA		8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	117.59	38.46
26 27 16 00-0056	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	135.57	44.37
26 27 16 00-0057	EA		10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	153.87	50.29
26 27 16 00-0058	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	165.30	53.25
26 27 16 00-0059	EA		12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	176.84	56.20
26 27 16 00-0060	EA		12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	188.81	59.16
26 27 16 00-0061	EA		16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	242.31	76.91
26 27 16 00-0062	EA		16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	297.79	94.66
26 27 16 00-0063	EA		18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	283.87	91.70
26 27 16 00-0064	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	368.65	118.32
26 27 16 00-0065	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	454.69	136.07
26 27 16 00-0066	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	517.18	147.91
26 27 16 00-0067	EA		30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	556.96	156.77
26 27 16 00-0068	EA		36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	604.92	162.69
26 27 16 00-0069			8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0070	EA		8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	153.87	50.29
26 27 16 00-0071	EA		12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	208.18	65.08
26 27 16 00-0072	EA		16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	264.70	82.83
26 27 16 00-0073	EA		16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	328.90	103.53
26 27 16 00-0074	EA		18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	315.14	100.57
26 27 16 00-0075	EA		18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	390.21	124.24
26 27 16 00-0076	EA		24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	436.84	141.99
26 27 16 00-0077	EA		24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	499.93	150.86
26 27 16 00-0078	EA		24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	570.10	162.69
26 27 16 00-0079	EA		30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	605.84	171.57
26 27 16 00-0080	EA		30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	635.15	177.48
26 27 16 00-0081	EA		36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	649.66	177.48
26 27 16 00-0082			10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0083	EA		18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	356.80	112.40
26 27 16 00-0084	EA		18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	468.12	144.94
26 27 16 00-0085	EA		24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	477.31	153.82
26 27 16 00-0086	EA		24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	602.63	165.65
26 27 16 00-0087	EA		24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	689.99	183.40
26 27 16 00-0088	EA		30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	758.77	189.31
26 27 16 00-0089	EA		36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	807.58	198.19
26 27 16 00-0090			12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0091	EA		18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	516.66	159.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0092 EA 24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	519.24	168.61
26 27 16 00-0093 EA 24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	663.20	183.40
26 27 16 00-0094 EA 24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	753.63	201.14
26 27 16 00-0095 EA 30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	837.99	210.02
26 27 16 00-0096 EA 36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	882.57	218.90
26 27 16 00-0097 NEMA 1 Enclosures For Up To 6 Boards, Lockable (26 27 16)		
26 27 16 00-0098 4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures (26 27 16 00-0097)		
26 27 16 00-0099 EA 24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12)	1,242.25	130.16
26 27 16 00-0100 NEMA 12 Enclosures, Lockable (26 27 16)		
Note: Dust-tight enclosures.		
26 27 16 00-0101 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0102 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)		
26 27 16 00-0103 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	121.81	23.66
26 27 16 00-0104 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	159.28	32.54
26 27 16 00-0105 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	197.48	41.42
26 27 16 00-0106 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	213.63	44.37
26 27 16 00-0107 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	238.88	47.33
26 27 16 00-0108 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	257.07	50.29
26 27 16 00-0109 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)		
26 27 16 00-0110 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	176.59	35.49
26 27 16 00-0111 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	194.31	38.46
26 27 16 00-0112 Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0113 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0114 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	235.22	23.66
26 27 16 00-0115 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	283.67	32.54
26 27 16 00-0116 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	320.31	35.49
26 27 16 00-0117 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	366.75	41.42
26 27 16 00-0118 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	377.87	44.37
26 27 16 00-0119 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	444.43	47.33
26 27 16 00-0120 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	477.00	50.29
26 27 16 00-0121 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	541.34	53.25
26 27 16 00-0122 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0123 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	343.87	35.49
26 27 16 00-0124 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	388.13	38.46
26 27 16 00-0125 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	423.97	44.37
26 27 16 00-0126 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	501.72	53.25
26 27 16 00-0127 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	545.35	59.16
26 27 16 00-0128 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	755.41	76.91
26 27 16 00-0129 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,170.30	118.32
26 27 16 00-0130 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,526.09	136.07
26 27 16 00-0131 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,718.60	147.91
26 27 16 00-0132 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0133 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,594.53	150.86
26 27 16 00-0134 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,833.57	162.69
26 27 16 00-0135 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,012.87	171.57
26 27 16 00-0136 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,215.05	177.48
26 27 16 00-0137 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,185.44	177.48
26 27 16 00-0138 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0139 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)		
26 27 16 00-0140 EA 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	6,848.86	240.35
26 27 16 00-0141 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)		
26 27 16 00-0142 EA 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	6,922.03	266.22
26 27 16 00-0143 EA 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,934.28	284.72
26 27 16 00-0144 EA 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,135.65	354.96
26 27 16 00-0145 EA 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,207.48	418.57



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 16 00-0146		12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0138)</small>		
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,422.39	418.57
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,267.55	443.71
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,381.46	473.29
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,338.32	473.29
26 27 16 00-0151		NEMA 3 Enclosures, Lockable <small>(26 27 16)</small> Note: Can be used underground or encased in concrete.		
26 27 16 00-0152		2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small>		
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	340.37	103.53
26 27 16 00-0154		3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small>		
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	361.46	103.53
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	448.71	107.23
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	463.06	107.23
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	569.26	110.93
26 27 16 00-0159		4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small>		
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	444.83	107.23
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	482.36	107.23
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	502.37	110.93
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	617.66	110.93
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	677.09	118.32
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	727.96	125.72
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	755.39	125.72
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	887.76	129.41
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	959.29	133.11
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,295.43	147.91
26 27 16 00-0170		6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small>		
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	651.02	114.63
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	812.57	129.41
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	942.43	133.11
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,077.48	136.81
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,142.15	136.81
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,295.08	147.91
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,495.61	166.39
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,410.45	159.00
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,735.30	295.81
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	4,665.02	369.76
26 27 16 00-0181		8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small>		
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,154.17	140.50
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,721.97	184.87
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,748.38	184.87
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,382.55	277.32
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,102.20	295.81
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	7,751.83	517.66
26 27 16 00-0188		10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small>		
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	4,123.69	369.76
26 27 16 00-0190		12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small>		
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	6,277.69	443.71
26 27 16 00-0192	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	5,184.32	406.74
26 27 16 00-0193		NEMA 3R Enclosures, Lockable <small>(26 27 16)</small> Note: Rain-tight enclosures.		
26 27 16 00-0194		Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0193)</small>		
26 27 16 00-0195		4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0194)</small>		
26 27 16 00-0196	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	117.87	29.58
26 27 16 00-0197	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	130.10	32.54
26 27 16 00-0198	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	189.04	35.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0199 6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0194)</small>		
26 27 16 00-0200 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	237.88	44.37
26 27 16 00-0201 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	266.01	50.29
26 27 16 00-0202 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	311.33	56.20
26 27 16 00-0203 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	336.14	59.16
26 27 16 00-0204 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	437.61	76.91
26 27 16 00-0205 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	524.04	94.66
26 27 16 00-0206 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	601.41	118.32
26 27 16 00-0207 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0194)</small>		
26 27 16 00-0208 EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	905.39	150.86
26 27 16 00-0209 EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,002.85	162.69
26 27 16 00-0210 EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,125.68	171.57
26 27 16 00-0211 EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,183.16	177.48
26 27 16 00-0212 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0194)</small>		
26 27 16 00-0213 EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,121.64	183.40
26 27 16 00-0214 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,267.01	207.07
26 27 16 00-0215 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,402.78	229.25
26 27 16 00-0216 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,545.20	252.92
26 27 16 00-0217 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,682.46	275.10
26 27 16 00-0218 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	737.30	144.94
26 27 16 00-0219 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,121.64	183.40
26 27 16 00-0220 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,320.34	189.31
26 27 16 00-0221 EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,662.36	207.07
26 27 16 00-0222 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0194)</small>		
26 27 16 00-0223 EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,079.14	146.43
26 27 16 00-0224 EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,210.22	164.18
26 27 16 00-0225 EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,339.83	181.92
26 27 16 00-0226 EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,481.56	201.14
26 27 16 00-0227 EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,612.64	218.90
26 27 16 00-0228 EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	806.33	109.45
26 27 16 00-0229 EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,079.14	146.43
26 27 16 00-0230 EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,210.22	164.18
26 27 16 00-0231 EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,424.14	192.28
26 27 16 00-0232 EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,612.64	218.90
26 27 16 00-0233 EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,534.91	215.94
26 27 16 00-0234 EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,612.64	218.90
26 27 16 00-0235 EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,697.12	224.82
26 27 16 00-0236 EA 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,886.63	236.65
26 27 16 00-0237 EA 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	2,043.94	248.48
26 27 16 00-0238 Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0193)</small>		
26 27 16 00-0239 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0238)</small>		
26 27 16 00-0240 EA 4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	84.12	23.66
26 27 16 00-0241 EA 6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	102.05	29.58
26 27 16 00-0242 EA 6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	112.63	32.54
26 27 16 00-0243 EA 8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	124.67	35.49
26 27 16 00-0244 EA 8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	144.84	41.42
26 27 16 00-0245 EA 10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	157.59	44.37
26 27 16 00-0246 EA 10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	171.35	47.33
26 27 16 00-0247 EA 12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	170.67	47.33
26 27 16 00-0248 EA 12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	186.02	50.29
26 27 16 00-0249 EA 12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	199.78	53.25
26 27 16 00-0250 EA 18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	302.70	82.83
26 27 16 00-0251 EA 18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	402.31	106.49
26 27 16 00-0252 6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0238)</small>		
26 27 16 00-0253 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	117.85	35.49
26 27 16 00-0254 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	159.43	44.37
26 27 16 00-0255 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	180.61	50.29
26 27 16 00-0256 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	195.32	53.25
26 27 16 00-0257 EA 12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	194.30	53.25
26 27 16 00-0258 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	209.83	56.20
26 27 16 00-0259 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	225.50	59.16
26 27 16 00-0260 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	294.19	76.91
26 27 16 00-0261 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	339.77	91.70
26 27 16 00-0262 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	451.98	118.32
26 27 16 00-0263 EA 24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	473.10	127.20
26 27 16 00-0264 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	537.53	136.07
26 27 16 00-0265 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	603.63	147.91

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0266			8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0267	EA		12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	252.00	65.08
26 27 16 00-0268	EA		18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	367.15	100.57
26 27 16 00-0269	EA		18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	499.81	130.16
26 27 16 00-0270	EA		24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	594.89	150.86
26 27 16 00-0271	EA		24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	670.33	162.69
26 27 16 00-0272	EA		30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	741.56	171.57
26 27 16 00-0273			10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0274	EA		18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	551.87	144.94
26 27 16 00-0275	EA		24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	738.65	183.40
26 27 16 00-0276	EA		30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	806.31	189.31
26 27 16 00-0277			12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0278	EA		24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	815.51	201.14
26 27 16 00-0279	EA		30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,114.86	218.90
26 27 16 00-0280	EA		36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,151.73	224.82
26 27 16 00-0281	EA		36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,338.00	236.65
26 27 16 00-0282			NEMA 4 Enclosures, Lockable (26 27 16) Note: Water-tight enclosures.		
26 27 16 00-0283			Hinge Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)		
26 27 16 00-0284	EA		4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	128.64	20.71
26 27 16 00-0285	EA		6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	150.54	25.15
26 27 16 00-0286	EA		8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	188.46	32.54
26 27 16 00-0287	EA		6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	179.72	32.54
26 27 16 00-0288	EA		10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	240.43	44.37
26 27 16 00-0289	EA		12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	299.01	53.25
26 27 16 00-0290	EA		10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	276.50	50.29
26 27 16 00-0291	EA		12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	322.50	59.16
26 27 16 00-0292	EA		14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	379.06	68.03
26 27 16 00-0293	EA		16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	460.34	85.79
26 27 16 00-0294			Clamp Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)		
26 27 16 00-0295	EA		4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	118.49	20.71
26 27 16 00-0296	EA		6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	169.60	32.54
26 27 16 00-0297			Screw Cover, Fiberglass NEMA 4 Or 4X Enclosures (26 27 16 00-0282)		
26 27 16 00-0298	EA		6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	149.41	28.40
26 27 16 00-0299	EA		8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	158.89	30.77
26 27 16 00-0300	EA		10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	195.67	40.23
26 27 16 00-0301	EA		12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	228.24	44.37
26 27 16 00-0302	EA		14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	294.67	56.20
26 27 16 00-0303	EA		16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	344.61	66.56
26 27 16 00-0304	EA		18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	488.64	106.49
26 27 16 00-0305			NEMA 4X Enclosures, Lockable (26 27 16) Note: Water-tight enclosures.		
26 27 16 00-0306			Clamp Cover, Aluminum NEMA 4X Enclosures (26 27 16 00-0305)		
26 27 16 00-0307	EA		6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	251.66	23.66
26 27 16 00-0308	EA		6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	297.86	32.54
26 27 16 00-0309	EA		10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	378.33	44.37
26 27 16 00-0310	EA		12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	459.13	53.25
26 27 16 00-0311	EA		14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	566.65	68.03
26 27 16 00-0312	EA		16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	670.51	85.79
26 27 16 00-0313			Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures (26 27 16 00-0305)		
26 27 16 00-0314	EA		4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	341.10	20.71
			<i>For 316 Stainless Steel, Add</i>	46.29	
26 27 16 00-0315	EA		6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	444.18	29.58
			<i>For 316 Stainless Steel, Add</i>	59.24	
26 27 16 00-0316	EA		6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	503.14	32.54
			<i>For 316 Stainless Steel, Add</i>	67.49	
26 27 16 00-0317	EA		8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	575.49	35.49
			<i>For 316 Stainless Steel, Add</i>	77.88	
26 27 16 00-0318	EA		10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	706.96	44.37
			<i>For 316 Stainless Steel, Add</i>	95.36	
26 27 16 00-0319	EA		12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	993.12	56.20
			<i>For 316 Stainless Steel, Add</i>	136.42	
26 27 16 00-0320	EA		14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,237.68	68.03
			<i>For 316 Stainless Steel, Add</i>	170.81	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0321	EA			16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure..... <i>For 316 Stainless Steel, Add</i>	1,492.84 204.54	85.79
26 27 16 00-0322 Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)						
Note: NEMA 3R, 4, 4X and 12 rated.						
26 27 16 00-0323	EA			6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	160.89	32.54
26 27 16 00-0324	EA			8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	180.84	35.49
26 27 16 00-0325	EA			8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	207.15	41.42
26 27 16 00-0326	EA			10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	225.01	44.37
26 27 16 00-0327	EA			12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	259.68	50.29
26 27 16 00-0328	EA			10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	245.02	50.29
26 27 16 00-0329	EA			12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	284.86	56.20
26 27 16 00-0330	EA			14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	356.37	68.03
26 27 16 00-0331	EA			16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	456.91	93.18
26 27 16 00-0332	EA			18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	592.15	134.15
26 27 16 00-0333	EA			6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	172.41	32.54
26 27 16 00-0334	EA			8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	194.45	35.49
26 27 16 00-0335	EA			8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	221.80	41.42
26 27 16 00-0336	EA			10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	242.79	44.37
26 27 16 00-0337	EA			12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	278.51	50.29
26 27 16 00-0338	EA			10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	262.83	50.29
26 27 16 00-0339	EA			12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	309.00	56.20
26 27 16 00-0340	EA			14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	368.93	68.03
26 27 16 00-0341	EA			16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	483.08	93.18
26 27 16 00-0342	EA			18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	620.40	134.15
26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)						
Note: NEMA 3R, 4, 4X and 12 rated.						
26 27 16 00-0344	EA			6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	193.34	32.54
26 27 16 00-0345	EA			8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	207.01	35.49
26 27 16 00-0346	EA			8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	235.39	41.42
26 27 16 00-0347	EA			10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	254.32	44.37
26 27 16 00-0348	EA			12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	300.50	50.29
26 27 16 00-0349	EA			10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	277.48	50.29
26 27 16 00-0350	EA			12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	339.34	56.20
26 27 16 00-0351	EA			14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	403.48	68.03
26 27 16 00-0352	EA			16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	497.73	93.18
26 27 16 00-0353	EA			18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	645.51	134.15
26 27 16 00-0354	EA			6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	201.71	32.54
26 27 16 00-0355	EA			8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	222.70	35.49
26 27 16 00-0356	EA			8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	250.04	41.42
26 27 16 00-0357	EA			10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	270.00	44.37
26 27 16 00-0358	EA			12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	321.43	50.29
26 27 16 00-0359	EA			10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	295.26	50.29
26 27 16 00-0360	EA			12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	361.33	56.20
26 27 16 00-0361	EA			14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	413.94	68.03
26 27 16 00-0362	EA			16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	532.26	93.18
26 27 16 00-0363	EA			18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	682.15	134.15
26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable (26 27 16)						
Note: Nominal inside dimensions.						
26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)						
26 27 16 00-0366	EA			6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,361.11	166.39
					<i>For Mounting Pan, Add</i>	54.44
26 27 16 00-0367	EA			6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,107.29	177.48
					<i>For Mounting Pan, Add</i>	101.43
26 27 16 00-0368	EA			8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,092.25	199.67
					<i>For Mounting Pan, Add</i>	139.87
26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)						
26 27 16 00-0370	EA			8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,871.34	199.67
					<i>For Mounting Pan, Add</i>	71.12
26 27 16 00-0371	EA			8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,411.54	205.21
					<i>For Mounting Pan, Add</i>	139.87
26 27 16 00-0372	EA			8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,473.25	221.85
					<i>For Mounting Pan, Add</i>	106.99
26 27 16 00-0373	EA			10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,535.34	221.85
					<i>For Mounting Pan, Add</i>	125.18
26 27 16 00-0374	EA			10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,566.78	277.32
					<i>For Mounting Pan, Add</i>	164.22
26 27 16 00-0375	EA			12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,356.76	249.58
					<i>For Mounting Pan, Add</i>	102.54
26 27 16 00-0376	EA			12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,481.78	277.32
					<i>For Mounting Pan, Add</i>	153.43

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0377 EA 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,413.09 206.42	499.17
26 27 16 00-0378 EA 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,266.80 200.98	332.78
26 27 16 00-0379 EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,657.46 184.51	554.63
26 27 16 00-0380 EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,726.56 299.96	554.63
26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0382 EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,882.18 106.99	249.58
26 27 16 00-0383 EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,901.48 125.18	249.58
26 27 16 00-0384 EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,268.98 164.22	249.58
26 27 16 00-0385 EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,622.61 102.54	277.32
26 27 16 00-0386 EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,313.55 153.43	499.17
26 27 16 00-0387 EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,467.21 206.42	610.11
26 27 16 00-0388 EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,040.00 310.43	721.03
26 27 16 00-0389 EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,853.41 200.98	610.11
26 27 16 00-0390 EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,004.66 184.51	610.11
26 27 16 00-0391 EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,826.22 276.58	665.57
26 27 16 00-0392 EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,319.82 299.96	610.11
26 27 16 00-0393 EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,704.00 438.63	665.57
26 27 16 00-0394 EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,639.80 584.75	665.57
26 27 16 00-0395 EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	14,894.26 730.83	887.42
26 27 16 00-0396 EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	11,358.30 679.55	721.03
26 27 16 00-0397 EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	20,481.48 930.30	1,109.27
26 27 16 00-0398 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0399 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,429.05 310.43	721.03
26 27 16 00-0400 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,601.13 276.58	665.57
26 27 16 00-0401 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,458.01 438.63	721.03
26 27 16 00-0402 EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	13,144.47 730.83	776.49
26 27 16 00-0403 EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	11,675.02 679.55	776.49
26 27 16 00-0404 EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	22,263.78 930.30	1,109.27
26 27 16 00-0405 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0406 EA 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,605.96 206.42	610.11
26 27 16 00-0407 Breaker Enclosures <small>(26 27 16)</small>		
See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0408 15 To 100 Amperes, F-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0409 EA NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	441.82	118.32
26 27 16 00-0410 EA NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	779.43	118.32
26 27 16 00-0411 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,878.80	162.69
26 27 16 00-0412 EA NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	2,532.56	177.48
26 27 16 00-0413 EA NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,862.78	177.48
26 27 16 00-0414 EA NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	689.07	162.69
26 27 16 00-0415 15 To 250 Amperes, H Or J-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0416 EA NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	696.64	162.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0417 EA NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,237.27	162.69
26 27 16 00-0418 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	4,110.41	207.07
26 27 16 00-0419 EA NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	1,045.90	207.07
26 27 16 00-0420 125 To 400 Amperes, L-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0421 EA NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,114.28	325.39
26 27 16 00-0422 EA NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	2,447.46	325.39
26 27 16 00-0423 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	6,986.64	414.13
26 27 16 00-0424 EA NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,808.37	414.13
26 27 16 00-0425 300 To 800 Amperes, M-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0426 EA NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	2,177.13	621.20
26 27 16 00-0427 EA NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	3,586.17	621.20
26 27 16 00-0428 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	12,588.41	798.68
26 27 16 00-0429 EA NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	6,935.95	798.68
26 27 16 00-0430 250 To 1,200 Amperes, P-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0431 EA NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	2,610.26	621.20
26 27 16 00-0432 EA NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	4,271.15	621.20
26 27 16 00-0433 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	8,651.12	798.68
26 27 16 00-0434 Legend Plates (26 27 16)		
26 27 16 00-0435 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	23.24	7.39
26 27 16 00-0436 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	30.96	7.39
26 27 19 Multi-Outlet Assemblies (26 27)		
26 27 19 00-0001 Surface Metal Raceway, Preamsembled With Outlets (26 27 19)		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 27 19 00-0002 LF Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center	33.76	10.80
<i>For Concrete Or Masonry Surface, Add</i>		
	1.08	
26 27 19 00-0003 LF Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center	26.01	7.69
<i>For Concrete Or Masonry Surface, Add</i>		
	0.78	
26 27 19 00-0004 LF Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center	24.70	8.13
<i>For Concrete Or Masonry Surface, Add</i>		
	0.81	
26 27 19 00-0005 LF Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center	26.91	7.69
<i>For Concrete Or Masonry Surface, Add</i>		
	0.78	
26 27 19 00-0006 LF Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center	22.24	7.83
<i>For Concrete Or Masonry Surface, Add</i>		
	0.78	
26 27 19 00-0007 LF Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	29.88	7.69
<i>For Concrete Or Masonry Surface, Add</i>		
	0.78	
26 27 19 00-0008 LF Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	26.64	7.69
<i>For Concrete Or Masonry Surface, Add</i>		
	0.78	
26 27 19 00-0009 LF Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	28.59	7.69
<i>For Concrete Or Masonry Surface, Add</i>		
	0.78	
26 27 23 Indoor Service Poles (26 27)		
26 27 23 00-0001 Communication And Power Poles (26 27 23)		
Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002 Steel Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
26 27 23 00-0005 EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	349.23	65.55
26 27 23 00-0006 EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	377.58	65.55
26 27 23 00-0007 EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	410.35	65.55
26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009 EA Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	71.53	13.52
26 27 23 00-0010 EA Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles.....	62.59	13.52
26 27 23 00-0011 EA Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	70.30	13.52
26 27 23 00-0012 EA Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices.....	53.20	13.52
26 27 23 00-0013 EA Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	44.58	13.52
26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>		
26 27 23 00-0016 EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	446.42	65.55
26 27 23 00-0017 EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	507.33	65.55
26 27 23 00-0018 EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	540.21	65.55
26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020 EA Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle.....	49.40	13.52
26 27 23 00-0021 EA Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle.....	44.85	13.52
26 27 23 00-0022 EA Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices.....	48.10	13.52
26 27 23 00-0023 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0024 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small>		
26 27 23 00-0025 EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	575.50	65.55
26 27 23 00-0026 EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	648.82	65.55
26 27 23 00-0027 EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	697.14	65.55
26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small>		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029 EA Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle.....	49.40	13.52
26 27 23 00-0030 EA Add-On 3" Width Steel Cover Plate For One Duplex Receptacle.....	44.85	13.52
26 27 23 00-0031 EA Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices.....	48.10	13.52
26 27 23 00-0032 Aluminum Communication And Power Poles <small>(26 27 23 00-0001)</small>		
26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0035 EA 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	465.50	65.55
26 27 23 00-0036 EA 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	516.76	65.55
26 27 23 00-0037 EA 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	574.22	65.55
26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0039 EA Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	73.28	13.52
26 27 23 00-0040 EA Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles.....	74.73	13.52
26 27 23 00-0041 EA Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	79.55	13.52
26 27 23 00-0042 EA Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices.....	55.91	13.52
26 27 23 00-0043 EA Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting.....	44.58	13.52
26 27 23 00-0044 2-1/4" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0045 EA 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	449.49	65.55
26 27 23 00-0046 EA 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	502.06	65.55
26 27 23 00-0047 EA 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	564.00	65.55
26 27 23 00-0048 5" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0049 EA 5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	917.77	65.55
26 27 23 00-0050 EA 5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	1,046.71	65.55
26 27 23 00-0051 EA 5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	1,191.12	65.55
26 27 23 00-0052 2" Diameter, Round Aluminum Communication And Power Pole <small>(26 27 23 00-0032)</small>		
26 27 23 00-0053 EA 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	508.25	65.55
26 27 23 00-0054 EA 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....	482.26	65.55
26 27 23 00-0055 EA 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	611.95	65.55
26 27 26 Wiring Devices <small>(26 27)</small>		
Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001 Receptacles <small>(26 27 26)</small>		
26 27 26 00-0002 General Use Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0003 Receptacle Assemblies <small>(26 27 26 00-0002)</small>		
Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004 EA 15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	122.25	52.51
26 27 26 00-0005 EA 20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	130.68	56.20
26 27 26 00-0006 EA 15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	156.41	67.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0007 EA 20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly	173.27	74.70
26 27 26 00-0008 EA 15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	136.32	52.51
26 27 26 00-0009 EA 20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	145.50	56.20
26 27 26 00-0010 Receptacle Components <small>(26 27 26 00-0002)</small>		
26 27 26 00-0011 EA 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle	33.42	14.79
26 27 26 00-0012 EA 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle	32.60	14.79
26 27 26 00-0013 EA 15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle	37.44	14.79
26 27 26 00-0014 EA 15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle	40.24	14.79
26 27 26 00-0015 EA 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle	51.21	18.48
26 27 26 00-0016 EA 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle	60.40	18.48
26 27 26 00-0017 EA 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle	34.50	14.79
26 27 26 00-0018 EA 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle	33.64	14.79
26 27 26 00-0019 EA 20 Amperes, 120/277 Volt, Single Receptacle	46.26	14.79
26 27 26 00-0020 EA 20 Amperes, 120/277 Volt, Duplex Receptacle	39.36	14.79
26 27 26 00-0021 EA 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	51.21	18.48
26 27 26 00-0022 EA 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	60.40	18.48
26 27 26 00-0023 EA 20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	89.89	18.48
26 27 26 00-0024 EA 20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	89.89	18.48
26 27 26 00-0025 EA 25 Amperes, 120/277 Volt, Duplex Receptacle	78.35	22.19
26 27 26 00-0026 Specialty Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0027 Specialty Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0028 EA 30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	72.63	25.89
26 27 26 00-0029 EA 30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	72.63	25.89
26 27 26 00-0030 EA 30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles	92.01	25.89
26 27 26 00-0031 EA 30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	104.67	25.89
26 27 26 00-0032 EA 30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	112.07	29.58
26 27 26 00-0033 EA 50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	104.43	29.58
26 27 26 00-0034 EA 50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	102.27	29.58
26 27 26 00-0035 EA 50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	91.16	29.58
26 27 26 00-0036 EA 50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	110.70	29.58
26 27 26 00-0037 EA 50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	123.83	29.58
26 27 26 00-0038 EA 50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	131.23	33.28
26 27 26 00-0039 EA 60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	144.50	36.98
26 27 26 00-0040 EA 60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	159.29	44.37
26 27 26 00-0041 EA 100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete	1,480.29	347.57
26 27 26 00-0042 EA 400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	3,451.24	425.22
26 27 26 00-0043 EA 30 Amperes, 230 Volt, Dryer Receptacle	86.15	29.58
26 27 26 00-0044 EA 60 Amperes, 230 Volt, Range Receptacle	126.54	44.37
26 27 26 00-0045 EA 15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	77.15	18.48
26 27 26 00-0046 EA Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete	1,588.02	450.43
26 27 26 00-0047 Isolated Ground Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0048 EA 15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	96.90	14.79
Note: 2 Pole, 3 wire.		
26 27 26 00-0049 EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	66.69	18.48
26 27 26 00-0050 EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex	66.47	18.48
26 27 26 00-0051 EA 30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	93.96	29.58
26 27 26 00-0052 EA Locking 15 Amperes, 250 Volt Isolated Ground Receptacles	73.76	18.48
26 27 26 00-0053 EA Locking 15 Amperes, 277 Volt Isolated Ground Receptacles	68.26	18.48
26 27 26 00-0054 EA Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles	92.87	22.19
26 27 26 00-0055 EA Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles	75.73	22.19
26 27 26 00-0056 EA Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles	94.91	22.19
26 27 26 00-0057 EA Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles	113.61	22.19
26 27 26 00-0058 EA Locking 30 Amperes, 277 Volt Isolated Ground Receptacles	115.21	29.58
26 27 26 00-0059 Explosion Proof Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0060 EA 1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	936.19	36.98
26 27 26 00-0061 EA 3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	864.71	40.67
26 27 26 00-0062 EA 3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,439.69	73.95
26 27 26 00-0063 EA 3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,807.35	73.95
26 27 26 00-0064 EA 1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,292.54	110.93
26 27 26 00-0065 EA 1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,186.10	110.93
26 27 26 00-0066 Ground Fault Circuit Interrupter (GFCI) <small>(26 27 26 00-0026)</small>		
26 27 26 00-0067 EA 15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	42.98	18.48
26 27 26 00-0068 EA 20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	63.25	22.19
26 27 26 00-0069 Arc Fault Circuit Interrupter (AFCI) <small>(26 27 26 00-0026)</small>		
26 27 26 00-0070 EA 15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	73.68	18.48
26 27 26 00-0071 EA 20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	80.50	18.48

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0072 Locking Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0073 EA NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	62.26	18.48
26 27 26 00-0074 EA NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	75.38	18.48
26 27 26 00-0075 EA NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	69.50	22.19
26 27 26 00-0076 EA NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	68.92	22.19
26 27 26 00-0077 EA NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	80.46	22.19
26 27 26 00-0078 EA NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	95.38	22.19
26 27 26 00-0079 EA NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	93.72	22.19
26 27 26 00-0080 EA NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	82.82	22.19
26 27 26 00-0081 EA NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	95.64	29.58
26 27 26 00-0082 EA NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	97.03	29.58
26 27 26 00-0083 EA NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle.....	122.78	29.58
26 27 26 00-0084 Hospital Grade Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0085 EA 15 Amperes, Heavy Duty Hospital Grade, NEMA 5-15, Duplex Receptacle.....	61.51	14.79
26 27 26 00-0086 EA 20 Amperes, Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	66.49	14.79
26 27 26 00-0087 EA 20 Amperes, Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground.....	75.91	14.79
26 27 26 00-0088 EA 20 Amperes, Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	67.20	14.79
26 27 26 00-0089 EA 20 Amperes, Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground.....	76.95	14.79
26 27 26 00-0090 EA 20 Amperes, Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle.....	84.51	14.79
26 27 26 00-0091 EA 120 Volt, Transient Voltage, Surge Suppressor Receptacle.....	177.33	44.37
Note: Hospital grade receptacle.		
26 27 26 00-0092 Weathertight Pin And Sleeve Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0093 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	304.75	73.95
26 27 26 00-0094 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	304.10	73.95
26 27 26 00-0095 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	316.33	73.95
26 27 26 00-0096 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	382.99	81.35
26 27 26 00-0097 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	384.01	81.35
26 27 26 00-0098 EA 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	381.65	81.35
26 27 26 00-0099 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	455.29	90.96
26 27 26 00-0100 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	435.39	90.96
26 27 26 00-0101 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	466.53	90.96
26 27 26 00-0102 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	473.87	99.83
26 27 26 00-0103 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	473.48	99.83
26 27 26 00-0104 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	476.30	99.83
26 27 26 00-0105 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	659.34	118.32
26 27 26 00-0106 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	635.25	118.32
26 27 26 00-0107 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	650.93	118.32
26 27 26 00-0108 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	724.84	131.64
26 27 26 00-0109 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	725.31	131.64
26 27 26 00-0110 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	725.77	131.64
26 27 26 00-0111 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	807.24	147.91
26 27 26 00-0112 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	838.13	147.91
26 27 26 00-0113 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	902.88	162.69
26 27 26 00-0114 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	900.56	162.69
26 27 26 00-0115 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	904.92	162.69
26 27 26 00-0116 Corrosion Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0117 EA 15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles.....	78.65	14.79
26 27 26 00-0118 EA 15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles.....	152.94	18.48
26 27 26 00-0119 Tamper Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0120 EA 15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle.....	35.21	14.79
Note: Pass & Seymour 3232-TR.		
26 27 26 00-0121 EA 20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle.....	38.11	14.79
Note: Pass & Seymour TR20.		
26 27 26 00-0122 EA 15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle.....	46.43	14.79
Note: Pass & Seymour TR5251.		
26 27 26 00-0123 EA 20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle.....	50.33	14.79
Note: Pass & Seymour TR5351.		
26 27 26 00-0124 EA 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle.....	73.77	14.79
Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0125 EA 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	79.36	14.79
Note: Pass & Seymour 1595-TRS.		
26 27 26 00-0126 EA 20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	84.69	14.79
Note: Pass & Seymour 2095-TRS.		
26 27 26 00-0127 USB Charger/Duplex Tamper-Resistant Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0128 EA 15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	75.81	14.79
26 27 26 00-0129 EA 20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	81.59	14.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0130 Television Receptacle <small>(26 27 26 00-0001)</small>		
26 27 26 00-0131 EA TV Receptacle With Cover (Type F), Complete	89.24	34.31
26 27 26 00-0132 Switches <small>(26 27 26)</small>		
26 27 26 00-0133 Switches <small>(26 27 26 00-0132)</small>		
26 27 26 00-0134 Switch Assemblies <small>(26 27 26 00-0133)</small>		
Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0135 EA 1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	125.29	51.76
26 27 26 00-0136 EA 1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	134.67	56.20
26 27 26 00-0137 EA 2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	166.20	67.66
26 27 26 00-0138 EA 2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	182.00	75.06
26 27 26 00-0139 EA 3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	286.00	116.10
26 27 26 00-0140 EA 3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	309.71	127.20
26 27 26 00-0141 EA 4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	326.74	131.27
26 27 26 00-0142 EA 4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	358.36	146.05
26 27 26 00-0143 Switch Components <small>(26 27 26 00-0133)</small>		
26 27 26 00-0144 EA 15 Amperes, 120/277 Volt, SPST Switch	37.12	14.79
26 27 26 00-0145 EA 15 Amperes, 120/277 Volt, 3-Way Switch	46.90	18.48
26 27 26 00-0146 EA 15 Amperes, 120/277 Volt, 4-Way Switch	87.93	29.58
26 27 26 00-0147 EA 15 Amperes, 120/277 Volt, DPST Switch	41.51	14.79
26 27 26 00-0148 EA 15 Amperes, 120/277 Volt, Thermal Switch	74.49	18.48
26 27 26 00-0149 EA 20 Amperes, 120/277 Volt, SPST Switch	45.03	18.48
26 27 26 00-0150 EA 20 Amperes, 120/277 Volt, 3-Way Switch	55.38	22.19
26 27 26 00-0151 EA 20 Amperes, 120/277 Volt, 4-Way Switch	114.03	29.58
26 27 26 00-0152 EA 20 Amperes, 120/277 Volt, DPST Switch	52.07	18.48
26 27 26 00-0153 EA 20 Amperes, 120/277 Volt, DPDT Switch	55.19	18.48
26 27 26 00-0154 EA 15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	87.66	18.51
26 27 26 00-0155 EA 15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	109.72	18.51
26 27 26 00-0156 EA Momentary Contact Switch With Separate Neon Pilot	85.05	22.22
Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0157 EA 20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off	67.39	25.89
Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0158 EA 20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch	81.93	29.58
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0159 EA 20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch	114.10	29.58
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0160 EA 30 Amperes, 120/277 Volt, Single Pole, Local Switch	89.85	29.62
26 27 26 00-0161 EA 30 Amperes, 120/277 Volt, Double Pole, Local Switch	109.68	29.62
26 27 26 00-0162 EA 30 Amperes, 120/277 Volt, Three-Way Local Switch	115.65	37.03
26 27 26 00-0163 EA 30 Amperes, 120/277 Volt, Four-Way Local Switch	159.74	40.73
26 27 26 00-0164 EA 15 Amperes, 120/277 Volt, Local Switch With Neon Pilot	81.03	24.22
26 27 26 00-0165 EA 15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot	111.26	24.22
Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0166 EA 15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	98.23	24.22
26 27 26 00-0167 EA 15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	93.75	24.22
26 27 26 00-0168 EA 6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch	99.11	12.00
26 27 26 00-0169 EA 6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch	105.19	12.00
26 27 26 00-0170 EA 15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	115.36	46.21
26 27 26 00-0171 EA Three Position, Center Off, Key Operated, Momentary Contact Switch	137.42	46.21
Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0172 EA Single Pole, Slide Dimmer (Leviton IP710-LFZ)	159.78	14.81
26 27 26 00-0173 EA 8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH)	98.00	14.81
26 27 26 00-0174 EA 120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH)	267.07	14.79
26 27 26 00-0175 EA 120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH)	55.36	14.79
26 27 26 00-0176 EA 1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Phillips SR1200ZTUNV)	104.32	14.81
26 27 26 00-0177 EA 1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	119.46	14.81
26 27 26 00-0178 EA 2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	152.48	14.81
26 27 26 00-0179 EA Wireless Single Rocker Remote Switch (Leviton WSS0S-S9)	164.53	14.81
26 27 26 00-0180 Specialty Switches <small>(26 27 26 00-0132)</small>		
26 27 26 00-0181 Dimmers With SPST Switch <small>(26 27 26 00-0180)</small>		
26 27 26 00-0182 EA 600 Watt Dimmers With SPST Switch	82.86	33.28
26 27 26 00-0183 EA 1,000 Watt Dimmers With SPST Switch	133.76	33.28
26 27 26 00-0184 EA 1,500 Watt Dimmers With SPST Switch	238.57	53.54
26 27 26 00-0185 EA 2,000 Watt Dimmers With SPST Switch	303.51	53.54
26 27 26 00-0186 EA 600 Watt Fluorescent Dimmer Switch	172.53	39.49
26 27 26 00-0187 EA 1,000 Watt Fluorescent Dimmer Switch	228.41	39.49
26 27 26 00-0188 EA 1,500 Watt Fluorescent Dimmer Switch	409.07	59.61
26 27 26 00-0189 EA Remote Speed Switch For Paddle Fan	134.46	49.25
26 27 26 00-0190 EA 600 Watt Combination Remote Speed Switch/Incandescent Dimmer	218.95	73.50
26 27 26 00-0191 Time Switches <small>(26 27 26 00-0180)</small>		
26 27 26 00-0192 EA 40 Amperes, 125 Volt, SPST, Standard Time Switch	147.53	44.37

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0193 EA 40 Amperes, 277 Volt, SPST, Standard Time Switch	150.47	44.37
26 27 26 00-0194 EA 40 Amperes, 125 Volt, DPST, Standard Time Switch	147.53	44.37
26 27 26 00-0195 EA 40 Amperes, 277 Volt, DPST, Standard Time Switch	150.47	44.37
26 27 26 00-0196 EA 40 Amperes, 125 Volt, SPST, 7-Day Time Switch	167.13	44.37
26 27 26 00-0197 EA 40 Amperes, 277 Volt, SPST, 7-Day Time Switch	167.13	44.37
26 27 26 00-0198 EA 40 Amperes, 125 Volt, DPST, 7-Day Time Switch	282.75	44.37
26 27 26 00-0199 EA 40 Amperes, 277 Volt, DPST, 7-Day Time Switch	282.75	44.37
26 27 26 00-0200 EA 20 Amperes, 125 Volt, SPST, Programmable Time Switch	245.66	44.37
26 27 26 00-0201 EA 20 Amperes, 277 Volt, SPST, Programmable Time Switch	268.31	44.37
26 27 26 00-0202 EA 20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch	268.31	44.37
26 27 26 00-0203 EA 40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	321.85	44.37
26 27 26 00-0204 EA 40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	330.86	44.37
26 27 26 00-0205 EA 40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	147.53	44.37
26 27 26 00-0206 EA 40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	150.47	44.37
26 27 26 00-0207 EA 40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	147.53	44.37
26 27 26 00-0208 EA 40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	150.47	44.37
26 27 26 00-0209 EA 40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	167.13	44.37
26 27 26 00-0210 EA 40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	167.13	44.37
26 27 26 00-0211 EA 40 Amperes, 125 Volt, DPST, Weatherproof 7-Day Time Switch	282.75	44.37
26 27 26 00-0212 EA 40 Amperes, 277 Volt, DPST, Weatherproof 7-Day Time Switch	282.75	44.37
26 27 26 00-0213 EA 40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	321.85	44.37
26 27 26 00-0214 EA 40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	330.86	44.37
26 27 26 00-0215 Low Voltage Switching (26 27 26 00-0180)		
26 27 26 00-0216 EA 36 Pin Male Or Female Connector	219.65	14.79
26 27 26 00-0217 Other Switches (26 27 26 00-0180)		
26 27 26 00-0218 EA Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	48.02	22.19
26 27 26 00-0219 EA SPST Locking Switch For Concealed Devices	143.56	59.16
26 27 26 00-0220 EA 3-Way Locking Switch For Concealed Devices	145.17	59.16
26 27 26 00-0221 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	155.44	55.32
26 27 26 00-0222 EA 15 Amperes Momentary Contact Switch	149.02	55.32
26 27 26 00-0223 EA 20 Amperes Momentary Contact Switch	155.78	55.32
26 27 26 00-0224 EA 2-1/4" Handy Box Cover Units Fuseholder Switch	152.13	66.65
26 27 26 00-0225 EA 2-3/4" Handy Box Cover Units Fuseholder Switch	154.02	66.65
26 27 26 00-0226 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches	189.29	81.46
26 27 26 00-0227 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch	172.13	74.05
26 27 26 00-0228 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	172.60	74.05
26 27 26 00-0229 Plates And Covers (26 27 26)		
26 27 26 00-0230 Wall Plates (26 27 26 00-0229)		
26 27 26 00-0231 Nylon Wall Plates (26 27 26 00-0230)		
26 27 26 00-0232 EA 1 Gang Nylon Switch Wall Plates	2.20	0.74
26 27 26 00-0233 EA 2 Gang Nylon Switch Wall Plates	3.67	1.11
26 27 26 00-0234 EA 3 Gang Nylon Switch Wall Plates	5.18	1.48
26 27 26 00-0235 EA 4 Gang Nylon Switch Wall Plate	7.37	1.86
26 27 26 00-0236 EA 1 Gang Duplex Nylon Wall Plate	2.22	0.74
26 27 26 00-0237 EA 2 Gang Duplex Nylon Wall Plate	3.75	1.11
26 27 26 00-0238 Plastic Wall Plates (26 27 26 00-0230)		
26 27 26 00-0239 EA 1 Gang Plastic Switch Wall Plates	2.06	0.74
26 27 26 00-0240 EA 2 Gang Plastic Switch Wall Plates	3.38	1.11
26 27 26 00-0241 EA 3 Gang Plastic Switch Wall Plates	4.72	1.48
26 27 26 00-0242 EA 4 Gang Plastic Switch Wall Plates	7.37	1.86
26 27 26 00-0243 EA 1 Gang Duplex Plastic Wall Plate	2.06	0.74
26 27 26 00-0244 EA 2 Gang Duplex Plastic Wall Plate	3.39	1.11
26 27 26 00-0245 Brass Wall Plates (26 27 26 00-0230)		
26 27 26 00-0246 EA 1 Gang, 0.04" Brass Switch Wall Plates	20.27	3.33
26 27 26 00-0247 EA 2 Gang, 0.04" Brass Switch Wall Plates	37.24	3.85
26 27 26 00-0248 EA 3 Gang, 0.04" Brass Switch Wall Plates	54.05	4.29
26 27 26 00-0249 EA 4 Gang, 0.04" Brass Switch Wall Plates	83.46	4.66
26 27 26 00-0250 EA 5 Gang, 0.04" Brass Switch Wall Plates	101.42	4.97
26 27 26 00-0251 EA 6 Gang, 0.04" Brass Switch Wall Plates	117.21	5.19
26 27 26 00-0252 EA 1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	20.27	3.33
26 27 26 00-0253 EA 2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	43.43	3.85
26 27 26 00-0254 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate	62.22	4.29
26 27 26 00-0255 Stainless Steel Wall Plates (26 27 26 00-0230)		
26 27 26 00-0256 EA 1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	11.32	3.33
26 27 26 00-0257 EA 2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	17.69	3.85
26 27 26 00-0258 EA 3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	24.37	4.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0259 EA 4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	35.25	4.66
26 27 26 00-0260 EA 5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	41.34	4.97
26 27 26 00-0261 EA 6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	49.74	5.19
26 27 26 00-0262 EA 1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	12.31	3.33
26 27 26 00-0263 EA 2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	20.01	3.85
26 27 26 00-0264 EA 3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	32.04	4.29
26 27 26 00-0265 EA 4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	38.58	4.66
26 27 26 00-0266 Chrome Wall Plates (26 27 26 00-0230)		
26 27 26 00-0267 EA 1 Gang, 0.040" Chrome Switch Wall Plate.....	39.53	3.33
26 27 26 00-0268 EA 2 Gang 0.040" Chrome Switch Wall Plate.....	73.31	3.85
26 27 26 00-0269 EA 3 Gang 0.040" Chrome Switch Wall Plate.....	107.04	4.29
26 27 26 00-0270 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate	39.50	3.33
26 27 26 00-0271 Weatherproof Covers (26 27 26 00-0229)		
26 27 26 00-0272 Stamped Metallic Weatherproof Covers (26 27 26 00-0271)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0273 EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC).....	11.56	0.74
26 27 26 00-0274 EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	12.49	0.74
26 27 26 00-0275 EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	12.49	0.74
26 27 26 00-0276 EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	12.49	0.74
26 27 26 00-0277 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC).....	15.42	1.11
26 27 26 00-0278 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	17.43	1.11
26 27 26 00-0279 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	17.64	1.11
26 27 26 00-0280 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC).....	17.64	1.11
26 27 26 00-0281 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	23.78	1.11
26 27 26 00-0282 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB).....	22.74	1.48
26 27 26 00-0283 EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT).....	24.80	1.48
26 27 26 00-0284 Cast Metallic Weatherproof Covers (26 27 26 00-0271)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0285 EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	14.07	0.74
26 27 26 00-0286 EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	44.11	0.74
26 27 26 00-0287 EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	49.42	0.74
26 27 26 00-0288 EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	13.97	0.74
26 27 26 00-0289 EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	37.45	0.74
26 27 26 00-0290 EA Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	62.06	0.74
26 27 26 00-0291 EA Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	78.90	0.74
26 27 26 00-0292 EA Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	17.64	1.11
26 27 26 00-0293 EA Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST).....	124.61	1.11
26 27 26 00-0294 EA Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC).....	29.33	1.48
26 27 26 00-0295 EA Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	119.25	1.48
26 27 26 00-0296 Die Cast Aluminum Weatherproof Covers (26 27 26 00-0271)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0297 EA Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	5.80	0.74
26 27 26 00-0298 EA Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	7.39	0.74
26 27 26 00-0299 EA Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	9.94	1.11
26 27 26 00-0300 EA Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041).....	10.77	1.11
26 27 26 00-0301 EA Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042).....	10.77	1.11
26 27 26 00-0302 EA Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043).....	11.95	1.11
26 27 26 00-0303 Heavy Duty Die Cast Aluminum Weatherproof Covers (26 27 26 00-0271)		
Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0304 EA Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	57.30	0.74
26 27 26 00-0305 Polycarbonate Weatherproof Covers (26 27 26 00-0271)		
Note: Includes neoprene gasket.		
26 27 26 00-0306 EA Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	11.71	0.74
26 27 26 00-0307 EA Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.71	0.74
26 27 26 00-0308 EA Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	11.71	0.74
26 27 26 00-0309 EA Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	14.54	1.11
26 27 26 00-0310 EA Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	14.54	1.11
26 27 26 00-0311 High Impact Thermoplastic Weatherproof Covers (26 27 26 00-0271)		
Note: Includes neoprene gasket.		
26 27 26 00-0312 EA Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	88.93	0.74

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0313	Non Metallic (PVC) Weatherproof Covers (26 27 26 00-0271)	
Note: Includes neoprene gasket.		
26 27 26 00-0314 EA Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover	13.51	0.74
26 27 26 00-0315 EA Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover	14.60	1.11
26 27 26 00-0316 EA Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	13.56	0.74
26 27 26 00-0317 EA Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	29.60	0.74
26 27 26 00-0318 EA Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	34.27	0.74
26 27 26 00-0319 EA 20 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	27.83	0.74
26 27 26 00-0320 EA 30 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	20.79	0.74
26 27 26 00-0321 EA 50 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	24.30	0.74
26 27 26 00-0322 EA Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	21.75	0.74
26 27 26 00-0323 EA Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	31.32	1.11
26 27 26 00-0324	Removal And Reinstallation Of Wiring Devices (26 27 26)	
Note: Includes storage and cleaning.		
26 27 26 00-0325 EA Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device.....	97.31	
26 27 26 00-0326 EA Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate.....	12.32	
26 27 26 00-0327	Relay Systems (26 27 26)	
26 27 26 00-0328 EA 10 Amperes, 24 Volt Coil, 2 Position Relay.....	105.41	33.28
26 27 26 00-0329 EA 20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	434.43	110.93
26 27 26 00-0330 EA 20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	721.31	147.91
26 27 26 00-0331	Limit Switches (26 27 26)	
26 27 26 00-0332	Heavy Duty Precision Oiltight (26 27 26 00-0331)	
26 27 26 00-0333	Lever Arm, Plunger, Wobble Stick Type (26 27 26 00-0332)	
26 27 26 00-0334 EA Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amperes Rated	465.17	93.18
26 27 26 00-0335	In Line Midget Fuseholders (26 27 26)	
See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0336 EA Single Pole Water Resistant In Line Midget Fuseholder	98.96	
26 27 26 00-0337 EA Double Pole Water Resistant In Line Midget Fuseholder.....	215.43	
26 27 33	Power Distribution Units (26 27)	
Note: Includes wiring connections and testing.		
26 27 33 00-0001	Liebert Precision Power Center (26 27 33)	
Note: With K20 Trans Spike Suppression Modules Lighting/ Surge Arrestors. Includes start-up.		
26 27 33 00-0002 EA PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	20,688.95	454.80
26 27 33 00-0003 EA PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	24,962.73	492.96
26 27 33 00-0004 EA PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	28,444.18	547.24
26 27 33 00-0005 EA PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	32,715.04	591.61
26 27 33 00-0006 EA PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	35,729.11	739.52
26 27 33 00-0007 EA PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	40,102.31	887.42
26 27 33 00-0008 EA PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	46,274.35	1,035.33
26 27 33 00-0009 EA PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	48,688.81	1,183.22
26 27 33 00-0010 EA PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	51,463.02	1,331.13
26 27 33 00-0011 EA Ex Panelboard 10-30 KVA.....	1,870.80	147.91
26 27 33 00-0012 EA Ex Panelboard 50-125 KVA	2,784.21	184.87
26 27 33 00-0013 EA Ex Panelboard 150-220 KVA	6,216.02	221.85
26 27 33 00-0014 EA Removal And Reinstallation Of Power Distribution Unit.....	2,366.45	
Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 27 33 00-0015 EA Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,774.84	
26 27 73	Door Chimes (26 27)	
26 27 73 00-0001	Door Bell Chime And Door Button With Built-In Viewer (26 27 73)	
Note: Non-electric chime, mounted on door		
26 27 73 00-0002 EA Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV).....	84.03	18.19
26 27 73 00-0003	Wireless Door Bell System (26 27 73)	
26 27 73 00-0004 EA Wireless Doorbell Chime And Push Button (Broan LA542WH).....	151.31	
Note: Includes 2 push buttons		
26 27 73 00-0005 EA Wireless Doorbell Chime And Push Button (STI-3350G).....	143.32	
Note: Includes 2 push buttons		
26 27 73 00-0006 EA Wireless Doorbell Chime And Push Button (GE 19300)	110.68	
Note: Includes 2 push buttons		
26 27 73 00-0007	Door Chimes (26 27 73)	
26 27 73 00-0008 EA Door Bell, Push-Button And Transformer, Complete	775.10	308.08
26 27 73 00-0009 EA Visual Flashing Doorbell Indicator, Wire To Existing System, Complete	297.04	73.95



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Distribution Equipment	26 27	

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

26 27 73 00-0010	EA	Removal And Replacement Of Bell/Buzzer, Complete Note: Includes removal of existing.	122.94	36.98
------------------	----	---	--------	-------

26 28 Low-Voltage Circuit Protective Devices (26 20)

26 28 13 Fuses (26 28)

26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses (26 13)

26 28 13 00-0002	EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.16	10.65
			7.10	
26 28 13 00-0003	EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.57	10.65
			7.10	
26 28 13 00-0004	EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.75	10.65
			7.10	
26 28 13 00-0005	EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.64	10.65
			7.10	
26 28 13 00-0006	EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.40	10.65
			7.10	
26 28 13 00-0007	EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.91	10.65
			7.10	
26 28 13 00-0008	EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.56	10.65
			7.10	
26 28 13 00-0009	EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.67	10.65
			7.10	
26 28 13 00-0010	EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.23	10.65
			7.10	
26 28 13 00-0011	EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.07	10.65
			7.10	
26 28 13 00-0012	EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.49	10.65
			7.10	

26 28 13 00-0013 Class RK1, Time Delay Fuses (26 28 13)

26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses (26 13 00-0013)

26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.39	10.65
			7.10	
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.77	10.65
			7.10	
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.60	10.65
			7.10	
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.36	10.65
			7.10	
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.54	10.65
			7.10	
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.44	10.65
			7.10	
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.55	10.65
			7.10	
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.33	10.65
			7.10	
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.57	10.65
			7.10	
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.27	10.65
			7.10	
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.59	10.65
			7.10	
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.72	10.65
			7.10	
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.38	10.65
			7.10	
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.84	10.65
			7.10	
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.05	10.65
			7.10	

26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses (26 28 13 00-0013)

26 28 13 00-0031	EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.69	13.31
			8.87	
26 28 13 00-0032	EA	80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.26	13.31
			8.87	
26 28 13 00-0033	EA	90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.11	13.31
			8.87	
26 28 13 00-0034	EA	100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.56	13.31
			8.87	
26 28 13 00-0035	EA	110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	232.25	13.31
			8.87	
26 28 13 00-0036	EA	125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.93	13.31
			8.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28	13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	711.86 17.75	26.62
26 28	13 00-0078		600 Volt AC, Class CC Midget Fuses <small>(26 28 13)</small> Note: 250/300 Volt DC.		
26 28	13 00-0079	EA	1 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.35 7.10	10.65
26 28	13 00-0080	EA	2 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.04 7.10	10.65
26 28	13 00-0081	EA	3 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.84 7.10	10.65
26 28	13 00-0082	EA	5 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.63 7.10	10.65
26 28	13 00-0083	EA	6 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.90 7.10	10.65
26 28	13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.66 7.10	10.65
26 28	13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.81 7.10	10.65
26 28	13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.65 7.10	10.65
26 28	13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.79 7.10	10.65
26 28	13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.83 7.10	10.65
26 28	13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.49 7.10	10.65
26 28	13 00-0090		200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse <small>(26 28 13)</small>		
26 28	13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.29 4.44	7.39
26 28	13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.74 4.44	7.39
26 28	13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.36 5.33	8.88
26 28	13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.15 6.66	11.09
26 28	13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.24 6.66	11.09
26 28	13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.27 6.66	11.09
26 28	13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.00 8.87	14.79
26 28	13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.10 8.87	14.79
26 28	13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.77 8.87	14.79
26 28	13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.75 8.87	14.79
26 28	13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.62 8.87	14.79
26 28	13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.91 11.09	18.48
26 28	13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.40 11.09	18.48
26 28	13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.81 13.31	22.19
26 28	13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.13 13.31	22.19
26 28	13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.00 13.31	22.19
26 28	13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.35 15.53	25.89
26 28	13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	282.46 15.53	25.89
26 28	13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.81 15.53	25.89
26 28	13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	232.80 17.75	29.58
26 28	13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.04 17.75	29.58
26 28	13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.23 17.75	29.58
26 28	13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	481.00 17.75	29.58
26 28	13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	445.71 17.75	29.58
26 28	13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	411.75 17.75	29.58
26 28	13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	447.89 17.75	29.58

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0117	EA		400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	373.77	33.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.97	
26 28 13 00-0118	EA		450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	777.02	33.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.97	
26 28 13 00-0119	EA		500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	663.46	36.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 28 13 00-0120	EA		600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	497.78	36.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 28 13 00-0121			600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses <small>(26 28 13)</small>		
26 28 13 00-0122	EA		100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,466.23	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09	
26 28 13 00-0123	EA		150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,469.11	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09	
26 28 13 00-0124	EA		200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,471.79	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09	
26 28 13 00-0125	EA		250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,468.88	22.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.31	
26 28 13 00-0126	EA		300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,353.66	22.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.31	
26 28 13 00-0127	EA		350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,449.48	25.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53	
26 28 13 00-0128	EA		400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,335.09	25.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53	
26 28 13 00-0129	EA		450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,491.73	25.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53	
26 28 13 00-0130	EA		500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,462.87	25.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53	
26 28 13 00-0131	EA		600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,304.36	29.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.75	
26 28 13 00-0132	EA		601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,339.08	29.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.75	
26 28 13 00-0133	EA		650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,775.42	29.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.75	
26 28 13 00-0134	EA		700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,298.07	29.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.75	
26 28 13 00-0135	EA		750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,987.17	33.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.97	
26 28 13 00-0136	EA		800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,151.71	33.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.97	
26 28 13 00-0137	EA		900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,674.09	33.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.97	
26 28 13 00-0138	EA		1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,132.62	33.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.97	
26 28 13 00-0139	EA		1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,165.82	33.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.97	
26 28 13 00-0140	EA		1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,571.05	33.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.97	
26 28 13 00-0141	EA		1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,535.16	33.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.97	
26 28 13 00-0142	EA		1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,288.95	33.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.97	
26 28 13 00-0143	EA		1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,438.30	36.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 28 13 00-0144	EA		1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,027.15	36.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 28 13 00-0145	EA		2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,944.74	36.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 28 13 00-0146	EA		2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,622.35	36.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 28 13 00-0147	EA		2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,453.99	36.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 28 13 00-0148	EA		3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,923.09	40.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.41	
26 28 13 00-0149	EA		3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,022.61	40.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.41	
26 28 13 00-0150	EA		3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,984.96	40.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.41	
26 28 13 00-0151	EA		4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,047.79	40.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.41	
26 28 13 00-0152	EA		5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,375.96	40.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.41	
26 28 13 00-0153	EA		6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	10,541.05	40.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.41	

26 28 16 Enclosed Switches and Circuit Breakers (26 28)**26 28 16 13 Enclosed Circuit Breakers (26 28 16)****26 28 16 13-0001 Branch Circuit Breakers (26 28 16 13)**

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On <small>(26 28)</small>		
<small>16 13-0001</small> Note: Includes connection of electrical wire.		
26 28 16 13-0003 EA 1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	68.48	26.62
For Bolt-On, Add	18.91	
For Installation In New Panelboard, Deduct	-14.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.75	
26 28 16 13-0004 EA 1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	68.48	26.62
For Bolt-On, Add	18.91	
For Installation In New Panelboard, Deduct	-14.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.75	
26 28 16 13-0005 EA 1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	95.46	33.28
For Bolt-On, Add	24.87	
For Installation In New Panelboard, Deduct	-18.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19	
26 28 16 13-0006 EA 1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	132.44	33.28
For Bolt-On, Add	29.50	
For Installation In New Panelboard, Deduct	-18.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19	
26 28 16 13-0007 EA 1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	174.73	33.28
For Bolt-On, Add	34.78	
For Installation In New Panelboard, Deduct	-18.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19	
26 28 16 13-0008 EA 1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	198.84	33.28
For Bolt-On, Add	37.80	
For Installation In New Panelboard, Deduct	-18.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19	
26 28 16 13-0009 EA 1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	109.14	33.28
For Bolt-On, Add	26.58	
For Installation In New Panelboard, Deduct	-18.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19	
26 28 16 13-0010 EA 2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	110.25	39.93
For Bolt-On, Add	29.31	
For Installation In New Panelboard, Deduct	-22.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 28 16 13-0011 EA 2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	110.25	39.93
For Bolt-On, Add	29.31	
For Installation In New Panelboard, Deduct	-22.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 28 16 13-0012 EA 2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	161.34	53.25
For Bolt-On, Add	40.87	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0013 EA 2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	251.89	66.56
For Bolt-On, Add	57.37	
For Installation In New Panelboard, Deduct	-36.98	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	
26 28 16 13-0014 EA 2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	293.19	73.95
For Bolt-On, Add	65.12	
For Installation In New Panelboard, Deduct	-40.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.81	
26 28 16 13-0015 EA 2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	238.58	47.33
For Bolt-On, Add	48.46	
For Installation In New Panelboard, Deduct	-26.62	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.95	
26 28 16 13-0016 EA 2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	307.75	47.33
For Bolt-On, Add	57.10	
For Installation In New Panelboard, Deduct	-26.62	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.95	
26 28 16 13-0017 EA 3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	193.61	53.25
For Bolt-On, Add	44.91	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0018 EA 3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	193.61	53.25
For Bolt-On, Add	44.91	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0019 EA 3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	251.48	66.56
For Bolt-On, Add	57.32	
For Installation In New Panelboard, Deduct	-36.98	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	
26 28 16 13-0020 EA 3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	365.64	79.86
For Bolt-On, Add	76.76	
For Installation In New Panelboard, Deduct	-44.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.24	
26 28 16 13-0021 EA 3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	460.32	93.18
For Bolt-On, Add	93.78	
For Installation In New Panelboard, Deduct	-51.77	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.12	
26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On ^{(26 28}		
^{16 13-0001)}		
Note: Includes connection of electrical wire.		
26 28 16 13-0023 EA 1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	90.39	26.62
For Bolt-On, Add	21.65	
For Installation In New Panelboard, Deduct	-14.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.75	
26 28 16 13-0024 EA 1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	90.39	26.62
For Bolt-On, Add	21.65	
For Installation In New Panelboard, Deduct	-14.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.75	
26 28 16 13-0025 EA 1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	151.47	33.28
For Bolt-On, Add	31.88	
For Installation In New Panelboard, Deduct	-18.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19	
26 28 16 13-0026 EA 1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	222.57	33.28
For Bolt-On, Add	40.76	
For Installation In New Panelboard, Deduct	-18.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19	
26 28 16 13-0027 EA 2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	167.93	39.93
For Bolt-On, Add	36.52	
For Installation In New Panelboard, Deduct	-22.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 28 16 13-0028 EA 2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	167.93	39.93
For Bolt-On, Add	36.52	
For Installation In New Panelboard, Deduct	-22.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 28 16 13-0029 EA 2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	312.90	53.25
For Bolt-On, Add	59.82	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0030 EA 2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	422.09	66.56
For Bolt-On, Add	78.65	
For Installation In New Panelboard, Deduct	-36.98	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	
26 28 16 13-0031 EA 2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	602.98	73.95
For Bolt-On, Add	103.84	
For Installation In New Panelboard, Deduct	-40.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.81	
26 28 16 13-0032 EA 3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	260.54	53.25
For Bolt-On, Add	53.27	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0033 EA 3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	260.54	53.25
For Bolt-On, Add	53.27	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0034 EA 3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	380.47	66.56
For Bolt-On, Add	73.44	
For Installation In New Panelboard, Deduct	-36.98	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	
26 28 16 13-0035 EA 3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	530.87	79.86
For Bolt-On, Add	97.42	
For Installation In New Panelboard, Deduct	-44.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.24	



Electrical	26	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0036 EA 3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....800.63		93.18
For Bolt-On, Add	136.32	
For Installation In New Panelboard, Deduct	-51.77	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.12	
26 28 16 13-0037 EA 3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....918.53		99.83
For Bolt-On, Add	153.64	
For Installation In New Panelboard, Deduct	-55.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.56	
26 28 16 13-0038 EA 3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....986.27		106.49
For Bolt-On, Add	164.70	
For Installation In New Panelboard, Deduct	-59.16	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.00	
26 28 16 13-0039 EA 3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....1,158.04		113.14
For Bolt-On, Add	188.76	
For Installation In New Panelboard, Deduct	-62.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.43	
26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On ^{(26 28}		
^{16 13-0001)}		
Note: Includes connection of electrical wire.		
26 28 16 13-0041 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....104.79		26.62
For Bolt-On, Add	23.45	
For Installation In New Panelboard, Deduct	-14.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.75	
26 28 16 13-0042 EA 35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....104.79		26.62
For Bolt-On, Add	23.45	
For Installation In New Panelboard, Deduct	-14.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.75	
26 28 16 13-0043 EA 70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....165.70		33.28
For Bolt-On, Add	33.65	
For Installation In New Panelboard, Deduct	-18.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19	
26 28 16 13-0044 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....205.46		39.93
For Bolt-On, Add	41.21	
For Installation In New Panelboard, Deduct	-22.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 28 16 13-0045 EA 35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....205.46		39.93
For Bolt-On, Add	41.21	
For Installation In New Panelboard, Deduct	-22.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 28 16 13-0046 EA 70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....348.89		53.25
For Bolt-On, Add	64.32	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0047 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....846.33		66.56
For Bolt-On, Add	131.68	
For Installation In New Panelboard, Deduct	-36.98	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	
26 28 16 13-0048 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....322.47		53.25
For Bolt-On, Add	61.01	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0049 EA 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....322.47		53.25
For Bolt-On, Add	61.01	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0050 EA 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....425.55		66.56
For Bolt-On, Add	79.08	
For Installation In New Panelboard, Deduct	-36.98	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	
26 28 16 13-0051 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....1,045.94		79.86
For Bolt-On, Add	161.80	
For Installation In New Panelboard, Deduct	-44.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.24	
26 28 16 13-0052 Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On ^{(26 28}		
^{16 13-0001)}		
Note: Includes connection of electrical wire.		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0053	EA		15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	117.02	26.62
			<i>For Bolt-On, Add</i>	24.98	
			<i>For Installation In New Panelboard, Deduct</i>	-14.79	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.75	
26 28 16 13-0054	EA		35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	117.02	26.62
			<i>For Bolt-On, Add</i>	24.98	
			<i>For Installation In New Panelboard, Deduct</i>	-14.79	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.75	
26 28 16 13-0055	EA		70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	139.24	33.28
			<i>For Bolt-On, Add</i>	30.35	
			<i>For Installation In New Panelboard, Deduct</i>	-18.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 28 16 13-0056	EA		15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	220.94	33.28
			<i>For Bolt-On, Add</i>	40.56	
			<i>For Installation In New Panelboard, Deduct</i>	-18.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 28 16 13-0057	EA		15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	237.36	39.93
			<i>For Bolt-On, Add</i>	45.20	
			<i>For Installation In New Panelboard, Deduct</i>	-22.19	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.62	
26 28 16 13-0058	EA		35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	237.36	39.93
			<i>For Bolt-On, Add</i>	45.20	
			<i>For Installation In New Panelboard, Deduct</i>	-22.19	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.62	
26 28 16 13-0059	EA		70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	291.09	53.25
			<i>For Bolt-On, Add</i>	57.09	
			<i>For Installation In New Panelboard, Deduct</i>	-29.58	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.50	
26 28 16 13-0060	EA		110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	412.78	66.56
			<i>For Bolt-On, Add</i>	77.48	
			<i>For Installation In New Panelboard, Deduct</i>	-36.98	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.37	
26 28 16 13-0061	EA		150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	525.22	73.95
			<i>For Bolt-On, Add</i>	94.12	
			<i>For Installation In New Panelboard, Deduct</i>	-40.67	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.81	
26 28 16 13-0062	EA		250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	652.48	86.53
			<i>For Bolt-On, Add</i>	115.21	
			<i>For Installation In New Panelboard, Deduct</i>	-48.07	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.68	
26 28 16 13-0063	EA		300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	708.33	99.83
			<i>For Bolt-On, Add</i>	127.37	
			<i>For Installation In New Panelboard, Deduct</i>	-55.46	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.56	
26 28 16 13-0064	EA		15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	291.63	53.25
			<i>For Bolt-On, Add</i>	57.16	
			<i>For Installation In New Panelboard, Deduct</i>	-29.58	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.50	
26 28 16 13-0065	EA		35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	291.63	53.25
			<i>For Bolt-On, Add</i>	57.16	
			<i>For Installation In New Panelboard, Deduct</i>	-29.58	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.50	
26 28 16 13-0066	EA		70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	344.84	66.56
			<i>For Bolt-On, Add</i>	68.99	
			<i>For Installation In New Panelboard, Deduct</i>	-36.98	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.37	
26 28 16 13-0067	EA		110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	509.76	79.86
			<i>For Bolt-On, Add</i>	94.78	
			<i>For Installation In New Panelboard, Deduct</i>	-44.37	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.24	
26 28 16 13-0068	EA		150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	667.95	103.53
			<i>For Bolt-On, Add</i>	123.61	
			<i>For Installation In New Panelboard, Deduct</i>	-57.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.78	
26 28 16 13-0069	EA		250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	820.11	119.80
			<i>For Bolt-On, Add</i>	149.10	
			<i>For Installation In New Panelboard, Deduct</i>	-66.56	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.87	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0070 EA 300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	871.53	127.20
For Bolt-On, Add	158.12	
For Installation In New Panelboard, Deduct	-70.26	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.31	
26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On <small>(26 28)</small>		
<small>16 13-0001</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0072 EA 15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	245.33	39.93
For Bolt-On, Add	46.20	
For Installation In New Panelboard, Deduct	-22.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 28 16 13-0073 EA 35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	245.33	39.93
For Bolt-On, Add	46.20	
For Installation In New Panelboard, Deduct	-22.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 28 16 13-0074 EA 70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	368.13	53.25
For Bolt-On, Add	66.72	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0075 EA 110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	584.94	66.56
For Bolt-On, Add	99.00	
For Installation In New Panelboard, Deduct	-36.98	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	
26 28 16 13-0076 EA 150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	897.75	82.83
For Bolt-On, Add	144.57	
For Installation In New Panelboard, Deduct	-46.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.46	
26 28 16 13-0077 EA 250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,012.54	86.53
For Bolt-On, Add	160.22	
For Installation In New Panelboard, Deduct	-48.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.68	
26 28 16 13-0078 EA 300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,109.84	99.83
For Bolt-On, Add	177.55	
For Installation In New Panelboard, Deduct	-55.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.56	
26 28 16 13-0079 EA 15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	349.85	53.25
For Bolt-On, Add	64.44	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0080 EA 35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	349.85	53.25
For Bolt-On, Add	64.44	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0081 EA 70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	440.37	66.56
For Bolt-On, Add	80.93	
For Installation In New Panelboard, Deduct	-36.98	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	
26 28 16 13-0082 EA 110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	725.74	79.86
For Bolt-On, Add	121.78	
For Installation In New Panelboard, Deduct	-44.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.24	
26 28 16 13-0083 EA 150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,051.81	103.53
For Bolt-On, Add	171.60	
For Installation In New Panelboard, Deduct	-57.31	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.78	
26 28 16 13-0084 EA 250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,241.06	119.80
For Bolt-On, Add	201.72	
For Installation In New Panelboard, Deduct	-66.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.87	
26 28 16 13-0085 EA 300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,340.67	127.20
For Bolt-On, Add	216.76	
For Installation In New Panelboard, Deduct	-70.26	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.31	
26 28 16 13-0086 Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On <small>(26 28)</small>		
<small>16 13-0001</small>		
Note: Includes connection of electrical wire.		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0087 EA 2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	253.25	39.93
For Bolt-On, Add	47.19	
For Installation In New Panelboard, Deduct	-22.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 28 16 13-0088 EA 2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	253.25	39.93
For Bolt-On, Add	47.19	
For Installation In New Panelboard, Deduct	-22.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 28 16 13-0089 EA 2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	441.25	53.25
For Bolt-On, Add	75.86	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0090 EA 2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	787.67	66.56
For Bolt-On, Add	124.34	
For Installation In New Panelboard, Deduct	-36.98	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	
26 28 16 13-0091 EA 2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,232.87	82.83
For Bolt-On, Add	186.46	
For Installation In New Panelboard, Deduct	-46.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.46	
26 28 16 13-0092 EA 2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,397.96	86.53
For Bolt-On, Add	208.39	
For Installation In New Panelboard, Deduct	-48.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.68	
26 28 16 13-0093 EA 2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,525.75	99.83
For Bolt-On, Add	229.54	
For Installation In New Panelboard, Deduct	-55.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.56	
26 28 16 13-0094 EA 3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	404.69	53.25
For Bolt-On, Add	71.29	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0095 EA 3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	404.69	53.25
For Bolt-On, Add	71.29	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0096 EA 3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	535.42	66.56
For Bolt-On, Add	92.81	
For Installation In New Panelboard, Deduct	-36.98	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	
26 28 16 13-0097 EA 3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	957.38	79.86
For Bolt-On, Add	150.73	
For Installation In New Panelboard, Deduct	-44.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.24	
26 28 16 13-0098 EA 3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,211.05	103.53
For Bolt-On, Add	191.50	
For Installation In New Panelboard, Deduct	-57.31	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.78	
26 28 16 13-0099 EA 3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,902.81	119.80
For Bolt-On, Add	284.44	
For Installation In New Panelboard, Deduct	-66.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.87	
26 28 16 13-0100 EA 3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,025.83	127.20
For Bolt-On, Add	302.41	
For Installation In New Panelboard, Deduct	-70.26	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.31	
26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On ^{(26 28}		
^{16 13-0001)}		
Note: Includes connection of electrical wire.		
26 28 16 13-0102 EA 1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	136.98	26.62
For Bolt-On, Add	27.48	
For Installation In New Panelboard, Deduct	-14.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.75	
26 28 16 13-0103 EA 1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	136.98	26.62
For Bolt-On, Add	27.48	
For Installation In New Panelboard, Deduct	-14.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.75	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0104 EA 1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	228.62	33.28
For Bolt-On, Add	41.52	
For Installation In New Panelboard, Deduct	-18.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19	
26 28 16 13-0105 EA 2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	285.68	39.93
For Bolt-On, Add	51.24	
For Installation In New Panelboard, Deduct	-22.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 28 16 13-0106 EA 2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	285.68	39.93
For Bolt-On, Add	51.24	
For Installation In New Panelboard, Deduct	-22.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 28 16 13-0107 EA 2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	508.36	53.25
For Bolt-On, Add	84.25	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0108 EA 2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	921.72	66.56
For Bolt-On, Add	141.10	
For Installation In New Panelboard, Deduct	-36.98	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	
26 28 16 13-0109 EA 2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,762.32	82.83
For Bolt-On, Add	252.64	
For Installation In New Panelboard, Deduct	-46.22	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.46	
26 28 16 13-0110 EA 3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	463.21	53.25
For Bolt-On, Add	78.61	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0111 EA 3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	463.21	53.25
For Bolt-On, Add	78.61	
For Installation In New Panelboard, Deduct	-29.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.50	
26 28 16 13-0112 EA 3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	616.73	66.56
For Bolt-On, Add	102.98	
For Installation In New Panelboard, Deduct	-36.98	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.37	
26 28 16 13-0113 EA 3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,134.08	79.86
For Bolt-On, Add	172.82	
For Installation In New Panelboard, Deduct	-44.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.24	
26 28 16 13-0114 EA 3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,190.98	103.53
For Bolt-On, Add	313.99	
For Installation In New Panelboard, Deduct	-57.31	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.78	
26 28 16 13-0115 Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On ^{(26 28}		
^{16 13-0001)}		
Note: Includes connection of electrical wire.		
26 28 16 13-0116 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	193.21	26.62
For Bolt-On, Add	34.50	
For Installation In New Panelboard, Deduct	-14.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.75	
26 28 16 13-0117 EA 35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	193.21	26.62
For Bolt-On, Add	34.50	
For Installation In New Panelboard, Deduct	-14.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.75	
26 28 16 13-0118 EA 70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	288.42	33.28
For Bolt-On, Add	48.99	
For Installation In New Panelboard, Deduct	-18.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.19	
26 28 16 13-0119 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	350.74	39.93
For Bolt-On, Add	59.37	
For Installation In New Panelboard, Deduct	-22.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	
26 28 16 13-0120 EA 35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	350.74	39.93
For Bolt-On, Add	59.37	
For Installation In New Panelboard, Deduct	-22.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.62	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0121	EA		70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	648.41	53.25
			<i>For Bolt-On, Add</i>	101.76	
			<i>For Installation In New Panelboard, Deduct</i>	-29.58	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.50	
26 28 16 13-0122	EA		110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,159.35	66.56
			<i>For Bolt-On, Add</i>	170.80	
			<i>For Installation In New Panelboard, Deduct</i>	-36.98	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.37	
26 28 16 13-0123	EA		150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,276.96	73.95
			<i>For Bolt-On, Add</i>	313.09	
			<i>For Installation In New Panelboard, Deduct</i>	-40.67	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.81	
26 28 16 13-0124	EA		15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	593.57	53.25
			<i>For Bolt-On, Add</i>	94.90	
			<i>For Installation In New Panelboard, Deduct</i>	-29.58	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.50	
26 28 16 13-0125	EA		35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	593.57	53.25
			<i>For Bolt-On, Add</i>	94.90	
			<i>For Installation In New Panelboard, Deduct</i>	-29.58	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.50	
26 28 16 13-0126	EA		70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	818.14	66.56
			<i>For Bolt-On, Add</i>	128.15	
			<i>For Installation In New Panelboard, Deduct</i>	-36.98	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.37	
26 28 16 13-0127	EA		110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,310.78	79.86
			<i>For Bolt-On, Add</i>	194.91	
			<i>For Installation In New Panelboard, Deduct</i>	-44.37	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.24	
26 28 16 13-0128	EA		150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,879.71	103.53
			<i>For Bolt-On, Add</i>	400.08	
			<i>For Installation In New Panelboard, Deduct</i>	-57.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.78	
26 28 16 13-0129			Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small>		
			<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0130	EA		15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	96.15	26.62
			<i>For Bolt-On, Add</i>	22.37	
			<i>For Installation In New Panelboard, Deduct</i>	-14.79	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.75	
26 28 16 13-0131	EA		15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	192.97	39.93
			<i>For Bolt-On, Add</i>	39.65	
			<i>For Installation In New Panelboard, Deduct</i>	-22.19	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.62	
26 28 16 13-0132	EA		15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	299.89	53.25
			<i>For Bolt-On, Add</i>	58.19	
			<i>For Installation In New Panelboard, Deduct</i>	-29.58	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.50	
26 28 16 13-0133	EA		15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	183.57	26.62
			<i>For Bolt-On, Add</i>	33.30	
			<i>For Installation In New Panelboard, Deduct</i>	-14.79	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.75	
26 28 16 13-0134	EA		35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	183.57	26.62
			<i>For Bolt-On, Add</i>	33.30	
			<i>For Installation In New Panelboard, Deduct</i>	-14.79	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.75	
26 28 16 13-0135	EA		70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	365.70	53.25
			<i>For Bolt-On, Add</i>	66.42	
			<i>For Installation In New Panelboard, Deduct</i>	-29.58	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.50	
26 28 16 13-0136	EA		15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	404.33	39.93
			<i>For Bolt-On, Add</i>	66.07	
			<i>For Installation In New Panelboard, Deduct</i>	-22.19	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.62	
26 28 16 13-0137	EA		35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	404.33	39.93
			<i>For Bolt-On, Add</i>	66.07	
			<i>For Installation In New Panelboard, Deduct</i>	-22.19	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.62	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0138 EA 70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....769.19 <i>For Bolt-On, Add</i> 116.85 <i>For Installation In New Panelboard, Deduct</i> -29.58 <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 35.50		53.25
26 28 16 13-0139 EA 110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....1,293.39 <i>For Bolt-On, Add</i> 187.56 <i>For Installation In New Panelboard, Deduct</i> -36.98 <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 44.37		66.56
26 28 16 13-0140 EA 150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....2,814.76 <i>For Bolt-On, Add</i> 384.20 <i>For Installation In New Panelboard, Deduct</i> -46.22 <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 55.46		82.83
26 28 16 13-0141 EA 15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....670.24 <i>For Bolt-On, Add</i> 104.49 <i>For Installation In New Panelboard, Deduct</i> -29.58 <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 35.50		53.25
26 28 16 13-0142 EA 35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....670.24 <i>For Bolt-On, Add</i> 104.49 <i>For Installation In New Panelboard, Deduct</i> -29.58 <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 35.50		53.25
26 28 16 13-0143 EA 70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....929.43 <i>For Bolt-On, Add</i> 142.06 <i>For Installation In New Panelboard, Deduct</i> -36.98 <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 44.37		66.56
26 28 16 13-0144 EA 110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....1,408.27 <i>For Bolt-On, Add</i> 207.09 <i>For Installation In New Panelboard, Deduct</i> -44.37 <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 53.24		79.86
26 28 16 13-0145 EA 150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity .....3,499.92 <i>For Bolt-On, Add</i> 477.61 <i>For Installation In New Panelboard, Deduct</i> -57.31 <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 68.78		103.53

26 28 16 16 Enclosed Switches (26 28 16)

26 28 16 16-0001 Motor And Circuit Disconnects (26 28 16 16) <i>Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.</i>		
26 28 16 16-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0003 Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002) <i>Note: Includes fuses and neutral bar.</i>		
26 28 16 16-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0005 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....495.87		147.91
26 28 16 16-0006 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....756.57		178.22
26 28 16 16-0007 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....1,024.50		208.55
26 28 16 16-0008 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....1,752.05		328.34
26 28 16 16-0009 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....3,646.53		510.26
26 28 16 16-0010 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....6,048.41		754.31
26 28 16 16-0011 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....8,191.91		887.42
26 28 16 16-0012 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....10,933.15		1,035.33
26 28 16 16-0013 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0014 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....729.18		164.32
26 28 16 16-0015 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....879.62		198.04
26 28 16 16-0016 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....1,363.90		231.47
26 28 16 16-0017 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....2,026.33		365.32
26 28 16 16-0018 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....4,324.94		566.77

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0019 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,722.63	837.73
26 28 16 16-0020 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,835.00	985.48
26 28 16 16-0021 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,354.45	1,150.39
26 28 16 16-0022 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0023 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	714.72	232.21
26 28 16 16-0024 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,038.68	308.38
26 28 16 16-0025 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,368.06	342.40
26 28 16 16-0026 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,161.69	536.15
26 28 16 16-0027 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,392.39	880.02
26 28 16 16-0028 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,060.41	1,232.77
26 28 16 16-0029 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0030 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	914.05	256.61
26 28 16 16-0031 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,168.47	342.40
26 28 16 16-0032 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,671.45	385.29
26 28 16 16-0033 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,469.43	587.17
26 28 16 16-0034 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,348.68	948.06
26 28 16 16-0035 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,541.36	1,369.58
26 28 16 16-0036 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,359.06	1,626.94
26 28 16 16-0037 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,979.18	1,848.79
26 28 16 16-0038 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0039 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	695.51	232.21
26 28 16 16-0040 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,013.85	308.38
26 28 16 16-0041 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,322.88	342.40
26 28 16 16-0042 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,223.82	536.15
26 28 16 16-0043 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,742.51	880.02
26 28 16 16-0044 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,587.15	1,232.77
26 28 16 16-0045 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,352.27	1,552.98
26 28 16 16-0046 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,173.43	1,774.84
26 28 16 16-0047 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0048 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	984.55	256.61
26 28 16 16-0049 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,255.11	342.40
26 28 16 16-0050 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,798.13	385.29
26 28 16 16-0051 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,659.07	587.17
26 28 16 16-0052 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,753.28	948.06
26 28 16 16-0053 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,255.92	1,369.58
26 28 16 16-0054 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,545.41	1,626.94
26 28 16 16-0055 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	18,260.68	1,848.79



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0056 Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>		
26 28 16 16-0057 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0058 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	483.72	214.02
26 28 16 16-0059 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	741.22	297.73
26 28 16 16-0060 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,001.60	342.40
26 28 16 16-0061 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,572.20	547.83
26 28 16 16-0062 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,115.47	913.00
26 28 16 16-0063 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,021.09	1,245.05
26 28 16 16-0064 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,087.44	1,479.03
26 28 16 16-0065 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,292.34	1,726.18
26 28 16 16-0066 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0067 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	534.22	236.20
26 28 16 16-0068 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	838.40	334.12
26 28 16 16-0069 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,130.15	380.41
26 28 16 16-0070 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,755.29	595.46
26 28 16 16-0071 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,351.58	978.23
26 28 16 16-0072 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,552.72	1,369.43
26 28 16 16-0073 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,812.64	1,479.03
26 28 16 16-0074 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,285.47	1,726.18
26 28 16 16-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0076 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	573.08	192.28
26 28 16 16-0077 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	865.52	267.70
26 28 16 16-0078 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,144.55	308.38
26 28 16 16-0079 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,802.07	493.25
26 28 16 16-0080 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,536.39	821.60
26 28 16 16-0081 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,612.53	1,120.37
26 28 16 16-0082 EA 800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,399.81	1,331.13
26 28 16 16-0083 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	12,170.72	1,552.98
26 28 16 16-0084 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0085 EA 30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	626.26	212.24
26 28 16 16-0086 EA 60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	954.40	300.99
26 28 16 16-0087 EA 100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,250.76	342.40
26 28 16 16-0088 EA 200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,946.10	536.15
26 28 16 16-0089 EA 400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,788.97	880.02
26 28 16 16-0090 EA 600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,077.45	1,232.77
26 28 16 16-0091 EA 800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,879.15	1,331.13

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0093 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	662.03	212.53
26 28 16 16-0094 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,015.41	300.68
26 28 16 16-0095 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,349.97	342.40
26 28 16 16-0096 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,098.92	535.85
26 28 16 16-0097 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,002.73	880.31
26 28 16 16-0098 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,710.11	1,232.47
26 28 16 16-0099 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,601.82	1,331.13
26 28 16 16-0100 EA 1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	13,788.83	1,552.98
26 28 16 16-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0102 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	916.68	192.57
26 28 16 16-0103 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,123.22	268.01
26 28 16 16-0104 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,676.06	308.08
26 28 16 16-0105 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,529.00	492.96
26 28 16 16-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0107 EA 30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	994.50	212.24
26 28 16 16-0108 EA 60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,230.54	300.99
26 28 16 16-0109 EA 100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,820.24	342.40
26 28 16 16-0110 EA 200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,724.96	536.15
26 28 16 16-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0112 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,094.07	212.53
26 28 16 16-0113 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,340.37	300.68
26 28 16 16-0114 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,017.75	342.40
26 28 16 16-0115 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,012.67	535.85
26 28 16 16-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small> Note: Includes fuses and neutral bar.		
26 28 16 16-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0118 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	355.73	128.67
26 28 16 16-0119 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	475.73	154.85
26 28 16 16-0120 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	706.18	181.04
26 28 16 16-0121 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,284.95	285.60
26 28 16 16-0122 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,950.38	442.97
26 28 16 16-0123 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,440.26	655.66
26 28 16 16-0124 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0125 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	502.53	202.19



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0126 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	701.54	268.01
26 28 16 16-0127 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	939.52	297.73
26 28 16 16-0128 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,647.01	466.04
26 28 16 16-0129 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,598.14	765.55
26 28 16 16-0130 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,277.65	1,071.70
26 28 16 16-0131 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0132 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	548.98	202.19
26 28 16 16-0133 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	776.44	268.01
26 28 16 16-0134 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,007.67	297.73
26 28 16 16-0135 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,818.73	466.04
26 28 16 16-0136 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,891.65	765.55
26 28 16 16-0137 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,463.70	1,071.70
26 28 16 16-0138 General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>		
26 28 16 16-0139 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0138)</small>		
26 28 16 16-0140 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	487.50	178.96
26 28 16 16-0141 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	634.36	205.73
26 28 16 16-0142 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,371.81	328.79
26 28 16 16-0143 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,871.41	547.24
26 28 16 16-0144 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,880.46	745.73
26 28 16 16-0145 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0138)</small>		
26 28 16 16-0146 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	459.83	167.42
26 28 16 16-0147 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	631.64	232.95
26 28 16 16-0148 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	922.02	268.01
26 28 16 16-0149 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,572.43	428.77
26 28 16 16-0150 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,207.08	714.66
26 28 16 16-0151 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,339.29	974.09
26 28 16 16-0152 NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0153 Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small> Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0153)</small>		
26 28 16 16-0155 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	708.77	173.78
26 28 16 16-0156 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,097.07	208.55
26 28 16 16-0157 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,363.04	242.56
26 28 16 16-0158 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,001.77	369.76
26 28 16 16-0159 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,322.13	591.61
26 28 16 16-0160 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,463.91	789.06

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0161 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,058.17	887.42
26 28 16 16-0162 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,589.95	1,035.33
26 28 16 16-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 16-0153</small>		
26 28 16 16-0164 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,189.60	231.62
26 28 16 16-0165 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,420.20	283.97
26 28 16 16-0166 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,981.22	326.13
26 28 16 16-0167 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,804.72	489.12
26 28 16 16-0168 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,985.12	800.30
26 28 16 16-0169 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,840.00	1,100.54
26 28 16 16-0170 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,780.20	1,267.24
26 28 16 16-0171 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,397.19	1,426.52
26 28 16 16-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 16-0153</small>		
26 28 16 16-0173 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	927.57	273.63
26 28 16 16-0174 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,439.93	362.37
26 28 16 16-0175 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,717.86	397.86
26 28 16 16-0176 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,559.16	616.02
26 28 16 16-0177 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,397.41	1,027.19
26 28 16 16-0178 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,849.31	1,369.58
26 28 16 16-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 16-0153</small>		
26 28 16 16-0180 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,377.19	324.35
26 28 16 16-0181 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,647.93	397.56
26 28 16 16-0182 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,172.31	456.43
26 28 16 16-0183 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,165.32	684.79
26 28 16 16-0184 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,521.61	1,120.51
26 28 16 16-0185 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,563.53	1,540.71
26 28 16 16-0186 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,186.92	1,774.84
26 28 16 16-0187 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,319.39	1,996.70
26 28 16 16-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 16-0153</small>		
26 28 16 16-0189 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,006.35	273.63
26 28 16 16-0190 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,442.21	362.37
26 28 16 16-0191 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,828.62	397.86
26 28 16 16-0192 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,633.04	616.02
26 28 16 16-0193 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,465.18	1,027.19
26 28 16 16-0194 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,594.75	1,369.58
26 28 16 16-0195 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,685.93	1,552.98



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0196 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	19,480.87	1,774.84
26 28 16 16-0197 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches⁽²⁶⁾ <small>^{28 16 16-0153}</small>		
26 28 16 16-0198 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,422.39	324.65
26 28 16 16-0199 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,698.75	397.86
26 28 16 16-0200 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,285.26	456.28
26 28 16 16-0201 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,238.73	684.79
26 28 16 16-0202 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,787.03	1,120.37
26 28 16 16-0203 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,868.48	1,540.41
26 28 16 16-0204 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,147.18	1,774.84
26 28 16 16-0205 EA 1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	20,585.13	1,996.70
26 28 16 16-0206 Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches^(26 28 16 16-0152)		
26 28 16 16-0207 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches^(26 28 16 16-0206)		
26 28 16 16-0208 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	667.18	152.20
26 28 16 16-0209 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,072.61	210.76
26 28 16 16-0210 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,394.61	241.68
26 28 16 16-0211 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,886.48	391.35
26 28 16 16-0212 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,103.26	652.84
26 28 16 16-0213 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,340.81	870.41
26 28 16 16-0214 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,648.60	1,035.77
26 28 16 16-0215 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,296.28	1,183.66
26 28 16 16-0216 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches^(26 28 16 16-0206)		
26 28 16 16-0217 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	749.56	167.72
26 28 16 16-0218 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,213.77	234.73
26 28 16 16-0219 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,571.28	265.04
26 28 16 16-0220 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,083.33	410.87
26 28 16 16-0221 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,631.92	684.79
26 28 16 16-0222 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,913.75	913.00
26 28 16 16-0223 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,414.22	1,085.02
26 28 16 16-0224 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	16,294.26	1,232.47
26 28 16 16-0225 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches^(26 28 16 16-0206)		
26 28 16 16-0226 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	819.34	228.21
26 28 16 16-0227 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,283.30	316.07
26 28 16 16-0228 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,636.27	362.51
26 28 16 16-0229 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,277.76	587.02
26 28 16 16-0230 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,812.82	979.11
26 28 16 16-0231 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,322.34	1,305.24

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0232 EA 800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,808.44	1,552.98
26 28 16 16-0233 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,833.22	1,774.84
26 28 16 16-0234 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0235 EA 30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	891.84	251.44
26 28 16 16-0236 EA 60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,402.06	352.16
26 28 16 16-0237 EA 100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,771.53	397.56
26 28 16 16-0238 EA 200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,415.29	616.32
26 28 16 16-0239 EA 400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,112.44	1,027.04
26 28 16 16-0240 EA 600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,857.94	1,369.43
26 28 16 16-0241 EA 800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,649.09	1,626.94
26 28 16 16-0242 EA 1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,927.52	1,848.79
26 28 16 16-0243 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0244 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	532.47	251.44
26 28 16 16-0245 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,448.54	352.16
26 28 16 16-0246 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,836.34	397.56
26 28 16 16-0247 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,494.16	616.32
26 28 16 16-0248 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,316.66	1,027.04
26 28 16 16-0249 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,826.73	1,369.43
26 28 16 16-0250 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,631.61	1,626.94
26 28 16 16-0251 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,903.73	1,848.79
26 28 16 16-0252 General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small>		
Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0252)</small>		
26 28 16 16-0254 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	453.46	151.15
26 28 16 16-0255 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	625.61	181.33
26 28 16 16-0256 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	810.67	210.91
26 28 16 16-0257 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,613.16	321.54
26 28 16 16-0258 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,825.60	514.41
26 28 16 16-0259 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,680.46	686.27
26 28 16 16-0260 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0252)</small>		
26 28 16 16-0261 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	628.14	238.27
26 28 16 16-0262 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	893.69	315.18
26 28 16 16-0263 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,079.81	345.80
26 28 16 16-0264 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,042.84	535.85
26 28 16 16-0265 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,584.83	893.04
26 28 16 16-0266 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,699.75	1,191.21



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0267 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0252)		
26 28 16 16-0268 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	693.23	238.12
26 28 16 16-0269 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	959.13	315.18
26 28 16 16-0270 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,290.14	345.80
26 28 16 16-0271 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,178.62	535.85
26 28 16 16-0272 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,672.04	893.19
26 28 16 16-0273 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,379.87	1,191.21
26 28 16 16-0274 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,818.86	1,349.46
26 28 16 16-0275 General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0152)		
26 28 16 16-0276 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0275)		
26 28 16 16-0277 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	407.37	132.37
26 28 16 16-0278 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	651.90	183.25
26 28 16 16-0279 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	693.03	210.17
26 28 16 16-0280 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,651.13	340.18
26 28 16 16-0281 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,932.55	567.65
26 28 16 16-0282 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,824.59	756.82
26 28 16 16-0283 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0275)		
26 28 16 16-0284 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	633.76	198.49
26 28 16 16-0285 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	907.52	274.81
26 28 16 16-0286 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,290.09	315.18
26 28 16 16-0287 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,204.06	510.41
26 28 16 16-0288 NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0001)		
26 28 16 16-0289 Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0288)		
Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0289)		
26 28 16 16-0291 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,743.41	147.91
26 28 16 16-0292 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,094.52	178.22
26 28 16 16-0293 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,204.47	208.25
26 28 16 16-0294 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,833.21	328.65
26 28 16 16-0295 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,788.89	509.97
26 28 16 16-0296 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,954.87	754.01
26 28 16 16-0297 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0289)		
26 28 16 16-0298 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,202.12	164.32
26 28 16 16-0299 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,455.56	197.90
26 28 16 16-0300 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,548.60	231.32

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0301 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,445.42	365.32
26 28 16 16-0302 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,259.41	567.06
26 28 16 16-0303 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,589.08	837.73
26 28 16 16-0304 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0305 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,988.44	232.50
26 28 16 16-0306 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,499.64	308.08
26 28 16 16-0307 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,660.06	342.40
26 28 16 16-0308 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,646.15	535.85
26 28 16 16-0309 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,885.94	880.31
26 28 16 16-0310 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,378.76	1,232.47
26 28 16 16-0311 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0312 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,392.83	256.76
26 28 16 16-0313 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,750.83	342.40
26 28 16 16-0314 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,868.88	385.14
26 28 16 16-0315 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,906.34	586.88
26 28 16 16-0316 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,325.07	948.06
26 28 16 16-0317 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,970.02	1,369.43
26 28 16 16-0318 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0319 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,356.78	232.50
26 28 16 16-0320 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,960.12	308.08
26 28 16 16-0321 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,581.47	342.40
26 28 16 16-0322 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,906.14	535.85
26 28 16 16-0323 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,365.76	880.31
26 28 16 16-0324 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,786.63	1,232.47
26 28 16 16-0325 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0326 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,828.08	256.76
26 28 16 16-0327 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,244.39	342.40
26 28 16 16-0328 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,809.41	385.14
26 28 16 16-0329 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,176.86	586.88
26 28 16 16-0330 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,838.34	948.06
26 28 16 16-0331 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	22,424.35	1,369.43
26 28 16 16-0332 Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0333 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0334 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,675.44	147.91
26 28 16 16-0335 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,050.84	205.73



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0336 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,793.12	236.65
26 28 16 16-0337 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,285.03	378.04
26 28 16 16-0338 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,595.40	629.48
26 28 16 16-0339 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,723.23	857.54
26 28 16 16-0340 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0341 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,903.13	163.14
26 28 16 16-0342 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,334.78	230.73
26 28 16 16-0343 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,319.95	262.98
26 28 16 16-0344 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,997.73	410.87
26 28 16 16-0345 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,879.80	676.21
26 28 16 16-0346 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,616.95	946.58
26 28 16 16-0347 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0348 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,764.80	192.57
26 28 16 16-0349 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,149.07	268.01
26 28 16 16-0350 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,255.53	308.08
26 28 16 16-0351 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,305.82	492.96
26 28 16 16-0352 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,172.25	821.75
26 28 16 16-0353 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,644.60	1,120.51
26 28 16 16-0354 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0355 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,001.73	212.53
26 28 16 16-0356 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,474.67	300.68
26 28 16 16-0357 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,478.80	342.40
26 28 16 16-0358 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,247.62	535.85
26 28 16 16-0359 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,389.33	880.31
26 28 16 16-0360 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,640.64	1,232.47
26 28 16 16-0361 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0362 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,394.53	192.57
26 28 16 16-0363 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,887.70	268.01
26 28 16 16-0364 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,366.75	308.08
26 28 16 16-0365 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,722.64	492.96
26 28 16 16-0366 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0367 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,721.42	212.53
26 28 16 16-0368 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,289.02	300.68
26 28 16 16-0369 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,256.71	342.40

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0370 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	11,056.47	535.85
26 28 16 16-0371 Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0372 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small>		
26 28 16 16-0373 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,169.14	256.61
26 28 16 16-0374 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,634.57	342.40
26 28 16 16-0375 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,430.38	385.29
26 28 16 16-0376 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,408.13	587.17
26 28 16 16-0377 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small>		
26 28 16 16-0378 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,955.21	212.24
26 28 16 16-0379 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,413.25	300.99
26 28 16 16-0380 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,069.18	342.40
26 28 16 16-0381 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,281.22	536.15
26 28 16 16-0382 Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0383 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small>		
26 28 16 16-0384 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,607.40	256.61
26 28 16 16-0385 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,124.97	342.40
26 28 16 16-0386 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,357.79	385.29
26 28 16 16-0387 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small>		
26 28 16 16-0388 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,369.88	212.24
26 28 16 16-0389 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,877.58	300.99
26 28 16 16-0390 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,959.34	342.40
26 28 16 16-0391 NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small>		
Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392 Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small>		
Note: With fuses and neutral bar.		
26 28 16 16-0393 EA 30 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,894.38	295.81
26 28 16 16-0394 EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,276.40	352.16
26 28 16 16-0395 EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,636.61	397.56
26 28 16 16-0396 EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	7,615.64	616.32
26 28 16 16-0397 Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small>		
26 28 16 16-0398 EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,302.64	352.16
26 28 16 16-0399 EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,688.27	397.56
26 28 16 16-0400 EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	4,891.05	616.32
26 28 16 16-0401 NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0402 Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small>		
Note: With fuses and neutral bar.		
26 28 16 16-0403 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0404 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	678.13	147.91
26 28 16 16-0405 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	878.91	178.22
26 28 16 16-0406 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,183.79	208.55
26 28 16 16-0407 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,986.56	328.34
26 28 16 16-0408 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,154.26	510.26
26 28 16 16-0409 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,426.33	754.31
26 28 16 16-0410 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		
26 28 16 16-0411 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,034.60	164.18
26 28 16 16-0412 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,079.41	198.19
26 28 16 16-0413 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,530.93	231.47
26 28 16 16-0414 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,396.68	365.32
26 28 16 16-0415 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,126.85	566.47
26 28 16 16-0416 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	10,015.01	837.87
26 28 16 16-0417 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		
26 28 16 16-0418 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	954.46	232.21
26 28 16 16-0419 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,315.93	308.38
26 28 16 16-0420 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,761.61	342.40
26 28 16 16-0421 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,630.35	536.15
26 28 16 16-0422 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,086.99	880.02
26 28 16 16-0423 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,086.41	1,232.77
26 28 16 16-0424 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		
26 28 16 16-0425 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,247.71	256.61
26 28 16 16-0426 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,435.83	342.40
26 28 16 16-0427 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,063.55	385.29
26 28 16 16-0428 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,014.86	587.17
26 28 16 16-0429 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,193.77	948.06
26 28 16 16-0430 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	11,469.66	1,369.58
26 28 16 16-0431 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		
26 28 16 16-0432 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,012.90	232.21
26 28 16 16-0433 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,356.07	308.38
26 28 16 16-0434 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,887.61	342.40
26 28 16 16-0435 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,788.55	536.15
26 28 16 16-0436 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,510.56	880.02
26 28 16 16-0437 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,372.56	1,232.77
26 28 16 16-0438 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,315.46	256.61
26 28 16 16-0440	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,616.55	342.40
26 28 16 16-0441	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,187.81	385.29
26 28 16 16-0442	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,252.04	587.17
26 28 16 16-0443	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,577.78	948.06
26 28 16 16-0444	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	11,785.90	1,369.58
26 28 16 16-0445		Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small>		
26 28 16 16-0446		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0447	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	706.57	213.72
26 28 16 16-0448	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	941.21	298.02
26 28 16 16-0449	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,232.21	342.40
26 28 16 16-0450	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,775.08	547.98
26 28 16 16-0451	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,815.84	913.30
26 28 16 16-0452	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,981.79	1,245.35
26 28 16 16-0453		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0454	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	786.84	235.91
26 28 16 16-0455	EA	60 Amperes, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	1,046.94	334.27
26 28 16 16-0456	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,372.99	380.11
26 28 16 16-0457	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,928.73	595.31
26 28 16 16-0458	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,044.62	978.38
26 28 16 16-0459	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,608.76	1,369.58
26 28 16 16-0460		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0461	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	910.87	192.28
26 28 16 16-0462	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,204.49	267.70
26 28 16 16-0463	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,583.46	308.38
26 28 16 16-0464	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,282.42	493.25
26 28 16 16-0465	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,717.21	821.60
26 28 16 16-0466	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,370.41	1,120.37
26 28 16 16-0467		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0468	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	901.65	212.24
26 28 16 16-0469	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,307.15	300.99
26 28 16 16-0470	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,701.25	342.40
26 28 16 16-0471	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,274.63	536.15
26 28 16 16-0472	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,759.47	880.02
26 28 16 16-0473	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	8,733.56	1,232.77
26 28 16 16-0474		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		



Electrical	26	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0475 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,078.05	192.28
26 28 16 16-0476 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,299.57	267.70
26 28 16 16-0477 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,972.95	308.38
26 28 16 16-0478 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,130.41	493.25
26 28 16 16-0479 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,552.36	628.59
26 28 16 16-0480 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)		
26 28 16 16-0481 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,125.28	212.24
26 28 16 16-0482 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,420.09	300.99
26 28 16 16-0483 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,113.51	342.40
26 28 16 16-0484 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,229.02	536.15
26 28 16 16-0485 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,973.52	828.26
26 28 16 16-0486 Double Throw Safety Switches (26 28 16 16-0001)		
26 28 16 16-0487 NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)		
26 28 16 16-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0489 EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	853.24	190.05
26 28 16 16-0490 EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,246.07	248.48
26 28 16 16-0491 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,737.27	324.65
26 28 16 16-0492 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,311.90	422.26
26 28 16 16-0493 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,362.63	528.02
26 28 16 16-0494 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	9,705.79	846.74
26 28 16 16-0495 EA 800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,227.53	1,183.22
26 28 16 16-0496 EA 1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	16,364.45	1,331.13
26 28 16 16-0497 EA 1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,242.67	1,479.03
26 28 16 16-0498 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0499 EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,088.25	266.22
26 28 16 16-0500 EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,508.50	347.57
26 28 16 16-0501 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,240.25	454.80
26 28 16 16-0502 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,256.04	591.61
26 28 16 16-0503 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,394.74	739.52
26 28 16 16-0504 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,386.16	1,183.22
26 28 16 16-0505 EA 800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,133.56	1,331.13
26 28 16 16-0506 EA 1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,167.22	1,479.03
26 28 16 16-0507 EA 1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,297.72	1,626.94
26 28 16 16-0508 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0509 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,436.75	332.78
26 28 16 16-0510 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,068.41	434.84
26 28 16 16-0511 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,581.18	567.95
26 28 16 16-0512 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,888.20	738.04
26 28 16 16-0513 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	9,603.47	924.39
26 28 16 16-0514 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,287.52	1,481.25
26 28 16 16-0515 EA 800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	15,442.31	1,626.94
26 28 16 16-0516 EA 1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,338.49	1,700.88
26 28 16 16-0517 EA 1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	22,754.63	1,774.84
26 28 16 16-0518 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0519 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,422.27	248.48
26 28 16 16-0520 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,116.99	324.65
26 28 16 16-0521 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,095.93	422.26
26 28 16 16-0522 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,095.74	528.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0523 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,518.01	846.74
26 28 16 16-0524 EA 800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	12,113.68	1,183.22
26 28 16 16-0525 EA 1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,734.66	1,331.13
26 28 16 16-0526 EA 1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,871.13	1,479.03
26 28 16 16-0527 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0528 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,620.25	347.57
26 28 16 16-0529 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,376.59	454.80
26 28 16 16-0530 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,433.17	591.61
26 28 16 16-0531 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,518.38	739.52
26 28 16 16-0532 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,192.86	1,183.22
26 28 16 16-0533 EA 800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	13,080.69	1,331.13
26 28 16 16-0534 EA 1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,843.84	1,479.03
26 28 16 16-0535 EA 1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	22,002.12	1,626.94
26 28 16 16-0536 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0537 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,178.81	434.84
26 28 16 16-0538 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,740.36	567.95
26 28 16 16-0539 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,218.09	738.04
26 28 16 16-0540 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,305.64	924.39
26 28 16 16-0541 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	13,072.90	1,481.25
26 28 16 16-0542 EA 800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	16,661.15	1,626.94
26 28 16 16-0543 EA 1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	22,032.16	1,700.88
26 28 16 16-0544 EA 1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	24,675.12	1,774.84
26 28 16 16-0545 NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small>		
26 28 16 16-0546 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0545)</small>		
26 28 16 16-0547 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,136.57	324.65
26 28 16 16-0548 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,762.76	422.26
26 28 16 16-0549 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	15,235.59	528.02
26 28 16 16-0550 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	26,213.51	846.74
26 28 16 16-0551 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0545)</small>		
26 28 16 16-0552 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,812.84	454.06
26 28 16 16-0553 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,480.48	590.87
26 28 16 16-0554 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	15,791.83	739.52
26 28 16 16-0555 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	17,324.55	1,185.45
26 28 16 16-0556 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0545)</small>		
26 28 16 16-0557 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,666.44	332.93
26 28 16 16-0558 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,315.87	434.54
26 28 16 16-0559 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,631.42	567.80
26 28 16 16-0560 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,663.23	738.33
26 28 16 16-0561 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,172.74	924.39
26 28 16 16-0562 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	13,204.39	1,481.39
26 28 16 16-0563 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0545)</small>		
26 28 16 16-0564 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,800.59	248.48
26 28 16 16-0565 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,717.78	324.65
26 28 16 16-0566 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,875.69	422.26
26 28 16 16-0567 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,260.50	528.02
26 28 16 16-0568 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	12,436.07	846.74
26 28 16 16-0569 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0545)</small>		
26 28 16 16-0570 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,068.15	347.57
26 28 16 16-0571 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,086.50	454.06
26 28 16 16-0572 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,425.05	590.87
26 28 16 16-0573 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,114.98	739.52



Electrical	26	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0574 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch... 13,675.57	13,675.57	1,185.45
26 28 16 16-0575 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0545)</small>		
26 28 16 16-0576 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 3,341.41	3,341.41	434.54
26 28 16 16-0577 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 4,643.13	4,643.13	567.80
26 28 16 16-0578 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 6,825.83	6,825.83	738.33
26 28 16 16-0579 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch... 11,153.54	11,153.54	924.39
26 28 16 16-0580 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch... 13,310.22	13,310.22	1,481.39
26 28 16 16-0581 NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small>		
26 28 16 16-0582 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0583 EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 2,101.32	2,101.32	190.20
26 28 16 16-0584 EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 2,394.19	2,394.19	248.33
26 28 16 16-0585 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 2,727.66	2,727.66	324.50
26 28 16 16-0586 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 3,739.64	3,739.64	421.96
26 28 16 16-0587 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 6,876.31	6,876.31	528.17
26 28 16 16-0588 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ... 10,115.47	10,115.47	846.45
26 28 16 16-0589 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0590 EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 2,435.13	2,435.13	266.22
26 28 16 16-0591 EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 2,894.15	2,894.15	347.57
26 28 16 16-0592 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 3,452.38	3,452.38	454.06
26 28 16 16-0593 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 4,795.20	4,795.20	590.87
26 28 16 16-0594 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 8,596.31	8,596.31	739.52
26 28 16 16-0595 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ... 11,447.87	11,447.87	1,185.45
26 28 16 16-0596 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0597 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 3,610.28	3,610.28	332.93
26 28 16 16-0598 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 4,243.19	4,243.19	434.54
26 28 16 16-0599 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 5,805.66	5,805.66	567.80
26 28 16 16-0600 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 7,873.52	7,873.52	738.33
26 28 16 16-0601 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 14,385.77	14,385.77	924.39
26 28 16 16-0602 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ... 18,015.04	18,015.04	1,481.39
26 28 16 16-0603 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0604 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 3,124.80	3,124.80	248.33
26 28 16 16-0605 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 3,312.93	3,312.93	324.50
26 28 16 16-0606 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 6,198.87	6,198.87	421.96
26 28 16 16-0607 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 8,910.91	8,910.91	528.17
26 28 16 16-0608 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ... 12,024.18	12,024.18	846.45
26 28 16 16-0609 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0610 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 3,461.77	3,461.77	347.57
26 28 16 16-0611 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 3,712.87	3,712.87	454.06
26 28 16 16-0612 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 6,817.66	6,817.66	590.87
26 28 16 16-0613 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 9,746.65	9,746.65	739.52
26 28 16 16-0614 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ... 13,241.56	13,241.56	1,185.45
26 28 16 16-0615 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0616 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 4,284.81	4,284.81	434.54
26 28 16 16-0617 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 6,112.70	6,112.70	567.80
26 28 16 16-0618 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch 8,054.49	8,054.49	738.33
26 28 16 16-0619 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ... 14,775.31	14,775.31	924.39
26 28 16 16-0620 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ... 18,531.36	18,531.36	1,481.39
26 28 16 16-0621 Removal And Reinstallation Of Disconnect Switches <small>(26 28 16 16-0001)</small>		
Note: Includes storage and cleaning.		
26 28 16 16-0622 EA Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch..... 739.52	739.52	
26 28 16 16-0623 EA Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch 961.41	961.41	
26 28 16 16-0624 EA Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch 1,072.38	1,072.38	
26 28 16 16-0625 EA Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch 1,257.25	1,257.25	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 28 16 16-0626	Bolted Contact Switches ^(26 28 16 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0627	Electrical Trip, Bolted Contact Switches ^(26 28 16 16-0626)		
26 28 16 16-0628	Top Feed, Electrical Trip, Bolted Contact Switches ^(26 28 16 16-0627)		
26 28 16 16-0629	EA 800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480).....	10,331.38	1,479.03
26 28 16 16-0630	EA 1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480).....	11,239.33	1,774.84
26 28 16 16-0631	EA 1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480).....	12,275.06	2,070.64
26 28 16 16-0632	EA 2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480).....	13,018.76	2,366.45
26 28 16 16-0633	EA 2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480).....	14,699.34	2,662.25
26 28 16 16-0634	EA 3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480).....	18,314.50	2,958.06
26 28 16 16-0635	EA 4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480).....	24,547.10	3,549.67
26 28 16 16-0636	Bottom Feed, Electrical Trip, Bolted Contact Switches ^(26 28 16 16-0627)		
26 28 16 16-0637	EA 800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480).....	10,921.49	1,479.03
26 28 16 16-0638	EA 1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480).....	11,945.03	1,774.84
26 28 16 16-0639	EA 1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480).....	12,974.67	2,070.64
26 28 16 16-0640	EA 2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480).....	14,022.55	2,366.45
26 28 16 16-0641	EA 2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480).....	15,782.22	2,662.25
26 28 16 16-0642	EA 3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480).....	20,346.42	2,958.06
26 28 16 16-0643	EA 4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480).....	26,664.19	3,549.67
26 28 16 16-0644	Manually Operated, Bolted Contact Switches ^(26 28 16 16-0626)		
26 28 16 16-0645	Top Feed, Manually Operated, Bolted Contact Switches ^(26 28 16 16-0644)		
26 28 16 16-0646	EA 800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480).....	7,678.93	1,479.03
26 28 16 16-0647	EA 1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480).....	8,618.52	1,774.84
26 28 16 16-0648	EA 1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480).....	9,608.01	2,070.64
26 28 16 16-0649	EA 2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480).....	10,590.19	2,366.45
26 28 16 16-0650	EA 2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480).....	11,633.21	2,662.25
26 28 16 16-0651	EA 3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480).....	15,248.36	2,958.06
26 28 16 16-0652	EA 4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480).....	21,407.97	3,549.67
26 28 16 16-0653	Bottom Feed, Manually Operated, Bolted Contact Switches ^(26 28 16 16-0644)		
26 28 16 16-0654	EA 800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	8,069.50	1,479.03
26 28 16 16-0655	EA 1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	9,208.63	1,774.84
26 28 16 16-0656	EA 1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	10,179.87	2,070.64
26 28 16 16-0657	EA 2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	11,345.77	2,366.45
26 28 16 16-0658	EA 2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	12,582.25	2,662.25
26 28 16 16-0659	EA 3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	17,128.20	2,958.06
26 28 16 16-0660	EA 4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	23,379.05	3,549.67

26 29 Low-Voltage Controllers ^(26 20)**26 29 13 Enclosed Controllers** ^(26 29)**26 29 13 13 Across-The-Line Motor Controllers** ^(26 29 13)**26 29 13 13-0001 Manual Motor Starters** ^(26 29 13 13)**26 29 13 13-0002 Fractional HP Manual Motor Starters** ^(26 29 13 13-0001)

26 29 13 13-0003	EA NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	260.94	74.05
	<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-3.13	
	<i>For Oversized Enclosure, Add</i>	31.48	
	<i>For Pilot Light, Add</i>	46.18	
26 29 13 13-0004	EA NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	341.59	96.26
	<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-3.13	
	<i>For Oversized Enclosure, Add</i>	31.48	
	<i>For Pilot Light, Add</i>	46.18	
26 29 13 13-0005	EA NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	292.42	74.05
	<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-3.13	
	<i>For Oversized Enclosure, Add</i>	31.48	
	<i>For Pilot Light, Add</i>	46.18	
26 29 13 13-0006	EA NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	373.07	96.26
	<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-3.13	
	<i>For Oversized Enclosure, Add</i>	31.48	
	<i>For Pilot Light, Add</i>	46.18	
26 29 13 13-0007	EA NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	274.58	74.05
	<i>For Oversized Enclosure, Add</i>	31.48	
26 29 13 13-0008	EA NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	359.43	96.26
	<i>For Oversized Enclosure, Add</i>	31.48	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0009	EA			NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	536.13	88.86
				<i>For Pilot Light, Add</i>	<i>120.69</i>	
26 29 13 13-0010	EA			NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	619.92	111.08
				<i>For Pilot Light, Add</i>	<i>120.69</i>	
26 29 13 13-0011	EA			NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	567.61	88.86
26 29 13 13-0012	EA			NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	648.26	111.08
26 29 13 13-0013				Non Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0014	EA			NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	214.95	74.05
				Note: NEMA 1 or flush cover plate installation.		
				<i>For Oversize Enclosure, Add</i>	<i>15.19</i>	
				<i>For Pilot Light, Add</i>	<i>72.91</i>	
26 29 13 13-0015	EA			NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	343.43	96.26
				Note: NEMA 1 or flush cover plate installation.		
				<i>For Oversize Enclosure, Add</i>	<i>15.19</i>	
				<i>For Pilot Light, Add</i>	<i>72.91</i>	
26 29 13 13-0016	EA			NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	241.90	81.46
				Note: NEMA 1 or flush cover plate installation.		
				<i>For Oversize Enclosure, Add</i>	<i>15.19</i>	
				<i>For Pilot Light, Add</i>	<i>72.91</i>	
26 29 13 13-0017	EA			NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	371.39	103.67
				Note: NEMA 1 or flush cover plate installation.		
				<i>For Oversize Enclosure, Add</i>	<i>15.19</i>	
				<i>For Pilot Light, Add</i>	<i>72.91</i>	
26 29 13 13-0018	EA			NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	244.31	74.05
				Note: NEMA 1 or flush cover plate installation.		
				<i>For Oversize Enclosure, Add</i>	<i>15.19</i>	
				<i>For Pilot Light, Add</i>	<i>72.91</i>	
26 29 13 13-0019	EA			NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	373.81	96.26
				Note: NEMA 1 or flush cover plate installation.		
				<i>For Oversize Enclosure, Add</i>	<i>15.19</i>	
				<i>For Pilot Light, Add</i>	<i>72.91</i>	
26 29 13 13-0020	EA			NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	495.70	88.86
				<i>For Pilot Light, Add</i>	<i>115.44</i>	
26 29 13 13-0021	EA			NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	613.04	111.08
				<i>For Pilot Light, Add</i>	<i>115.44</i>	
26 29 13 13-0022	EA			NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	523.68	96.26
				<i>For Pilot Light, Add</i>	<i>115.44</i>	
26 29 13 13-0023	EA			NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	637.98	118.48
				<i>For Pilot Light, Add</i>	<i>115.44</i>	
26 29 13 13-0024	EA			NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	524.05	88.86
26 29 13 13-0025	EA			NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	649.49	111.08
26 29 13 13-0026	EA			Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	156.33	51.83
				<i>For Pilot Light, Add</i>	<i>72.91</i>	
26 29 13 13-0027	EA			Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	284.82	74.05
				<i>For Pilot Light, Add</i>	<i>72.91</i>	
26 29 13 13-0028	EA			Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	183.29	59.24
				<i>For Pilot Light, Add</i>	<i>72.91</i>	
26 29 13 13-0029	EA			Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	311.77	81.46
				<i>For Pilot Light, Add</i>	<i>72.91</i>	
26 29 13 13-0030				Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0031	EA			NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	557.21	133.29
				<i>For Pilot Light, Add</i>	<i>117.47</i>	
26 29 13 13-0032	EA			NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	802.02	177.72
				<i>For Pilot Light, Add</i>	<i>117.47</i>	
26 29 13 13-0033				Two Speed Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0034	EA			NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	557.21	133.29

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0035 EA NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	802.02	177.72
26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0037 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	499.93	88.86
26 29 13 13-0038 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TGB1).....	499.93	88.86
26 29 13 13-0039 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	1,008.11	103.67
26 29 13 13-0040 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	1,008.11	103.67
26 29 13 13-0041 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	1,306.17	103.67
26 29 13 13-0042 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	633.45	103.67
26 29 13 13-0043 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	424.02	66.65
26 29 13 13-0044 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	590.31	96.26
26 29 13 13-0045 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	590.31	96.26
26 29 13 13-0046 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	1,202.39	111.08
26 29 13 13-0047 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	1,202.39	111.08
26 29 13 13-0048 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,523.53	111.08
26 29 13 13-0049 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	723.82	111.08
26 29 13 13-0050 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	514.40	74.05
26 29 13 13-0051 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	767.78	103.67
26 29 13 13-0052 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	767.78	103.67
26 29 13 13-0053 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	1,425.00	118.48
26 29 13 13-0054 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	1,425.00	118.48
26 29 13 13-0055 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	1,732.50	118.48
26 29 13 13-0056 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	904.46	118.48
26 29 13 13-0057 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	695.02	81.46
26 29 13 13-0058 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	619.41	111.08
26 29 13 13-0059 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TGB2).....	619.41	111.08
26 29 13 13-0060 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	1,127.59	125.89
26 29 13 13-0061 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	1,127.59	125.89
26 29 13 13-0062 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	1,434.04	125.89
26 29 13 13-0063 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	753.98	125.89
26 29 13 13-0064 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	546.64	88.86
26 29 13 13-0065 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	709.79	118.48
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	709.79	118.48
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	1,321.86	133.29
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	1,321.86	133.29
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	1,650.35	133.29
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	843.30	133.29
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	633.88	96.26
26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	1,411.42	155.51
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TGB1).....	1,411.42	155.51
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	1,233.36	111.08



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Controllers	26 29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13	13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,664.58	170.32
26 29 13	13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	1,486.52	125.89
26 29 13	13-0078		Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13	13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	1,411.42	155.51
26 29 13	13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1).....	1,233.36	111.08
26 29 13	13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	1,664.58	170.32
26 29 13	13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	1,486.52	125.89
26 29 13	13-0083		Magnetic Motor Starters (26 29 13 13)		
26 29 13	13-0084		Non Reversing, Magnetic Contactors (26 29 13 13-0083)		
26 29 13	13-0085		Open Enclosure, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13	13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11).....	597.40	148.11
			<i>For Factory Installed Accessory, Deduct</i>	-296.20	
26 29 13	13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12).....	671.11	162.91
			<i>For Factory Installed Accessory, Deduct</i>	-325.83	
26 29 13	13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5).....	641.48	148.11
			<i>For Factory Installed Accessory, Deduct</i>	-296.20	
26 29 13	13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1).....	716.24	162.91
			<i>For Factory Installed Accessory, Deduct</i>	-325.83	
26 29 13	13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2).....	789.93	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13	13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3).....	997.39	222.15
			<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13	13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4).....	1,251.02	266.58
			<i>For Factory Installed Accessory, Deduct</i>	-533.17	
26 29 13	13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5).....	744.57	162.91
			<i>For Factory Installed Accessory, Deduct</i>	-325.83	
26 29 13	13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1).....	818.26	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13	13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2).....	894.06	192.54
			<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13	13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3).....	1,146.99	259.18
			<i>For Factory Installed Accessory, Deduct</i>	-518.35	
26 29 13	13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4).....	1,399.57	303.61
			<i>For Factory Installed Accessory, Deduct</i>	-607.21	
26 29 13	13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1).....	1,223.36	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13	13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2).....	1,369.95	222.15
			<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13	13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3).....	1,787.76	296.20
			<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13	13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1).....	1,819.13	222.15
			<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13	13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2).....	2,087.91	296.20
			<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13	13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3).....	2,653.72	370.25
			<i>For Factory Installed Accessory, Deduct</i>	-740.51	
26 29 13	13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4).....	3,758.95	444.31
			<i>For Factory Installed Accessory, Deduct</i>	-888.61	
26 29 13	13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1).....	4,058.98	370.25
			<i>For Factory Installed Accessory, Deduct</i>	-740.51	
26 29 13	13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2).....	4,476.80	444.31
			<i>For Factory Installed Accessory, Deduct</i>	-888.61	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0107	EA		Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3).....	6,029.11	518.35
			<i>For Factory Installed Accessory, Deduct</i>	-1,036.71	
26 29 13 13-0108	EA		Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1).....	8,079.67	444.31
			<i>For Factory Installed Accessory, Deduct</i>	-888.61	
26 29 13 13-0109	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2).....	9,004.52	592.40
			<i>For Factory Installed Accessory, Deduct</i>	-1,184.81	
26 29 13 13-0110	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2).....	23,122.67	888.61
			<i>For Factory Installed Accessory, Deduct</i>	-1,777.21	
26 29 13 13-0111	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2).....	33,130.24	1,332.91
			<i>For Factory Installed Accessory, Deduct</i>	-2,665.82	
26 29 13 13-0112			NEMA 1, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11).....	629.94	148.11
			<i>For Factory Installed Accessory, Deduct</i>	-296.20	
26 29 13 13-0114	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12).....	703.64	162.91
			<i>For Factory Installed Accessory, Deduct</i>	-325.83	
26 29 13 13-0115	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5).....	674.01	148.11
			<i>For Factory Installed Accessory, Deduct</i>	-296.20	
26 29 13 13-0116	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1).....	749.82	162.91
			<i>For Factory Installed Accessory, Deduct</i>	-325.83	
26 29 13 13-0117	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2).....	823.51	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0118	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3).....	1,033.07	222.15
			<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13 13-0119	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4).....	1,287.75	266.58
			<i>For Factory Installed Accessory, Deduct</i>	-533.17	
26 29 13 13-0120	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5).....	779.21	162.91
			<i>For Factory Installed Accessory, Deduct</i>	-325.83	
26 29 13 13-0121	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1).....	854.99	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0122	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2).....	928.69	192.54
			<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13 13-0123	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3).....	1,182.67	259.18
			<i>For Factory Installed Accessory, Deduct</i>	-518.35	
26 29 13 13-0124	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4).....	1,434.20	303.61
			<i>For Factory Installed Accessory, Deduct</i>	-607.21	
26 29 13 13-0125	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1).....	1,378.69	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0126	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2).....	1,526.33	222.15
			<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13 13-0127	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,943.09	296.20
			<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13 13-0128	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1).....	2,124.53	222.15
			<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13 13-0129	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2).....	2,392.27	296.20
			<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13 13-0130	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3).....	2,959.12	370.25
			<i>For Factory Installed Accessory, Deduct</i>	-740.51	
26 29 13 13-0131	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1).....	4,691.82	370.25
			<i>For Factory Installed Accessory, Deduct</i>	-740.51	
26 29 13 13-0132	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2).....	5,109.63	444.31
			<i>For Factory Installed Accessory, Deduct</i>	-888.61	
26 29 13 13-0133	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2).....	10,157.90	592.40
			<i>For Factory Installed Accessory, Deduct</i>	-1,184.81	
26 29 13 13-0134	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2).....	28,194.82	888.61
			<i>For Factory Installed Accessory, Deduct</i>	-1,777.21	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0135	EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2)		38,217.09	1,332.91
	<i>For Factory Installed Accessory, Deduct</i>		-2,665.82	
26 29 13 13-0136	NEMA 12, Non Reversing, Magnetic Contactors (26 29 13 13-0084)			
26 29 13 13-0137	EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1)		929.28	162.91
	<i>For Factory Installed Accessory, Deduct</i>		-325.83	
26 29 13 13-0138	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2)		1,002.97	177.72
	<i>For Factory Installed Accessory, Deduct</i>		-355.44	
26 29 13 13-0139	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2)		1,108.15	192.54
	<i>For Factory Installed Accessory, Deduct</i>		-385.06	
26 29 13 13-0140	EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1)		1,706.13	177.72
	<i>For Factory Installed Accessory, Deduct</i>		-355.44	
26 29 13 13-0141	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2)		1,854.82	222.15
	<i>For Factory Installed Accessory, Deduct</i>		-444.31	
26 29 13 13-0142	EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1)		2,512.84	222.15
	<i>For Factory Installed Accessory, Deduct</i>		-444.31	
26 29 13 13-0143	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2)		2,779.52	296.20
	<i>For Factory Installed Accessory, Deduct</i>		-592.40	
26 29 13 13-0144	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2)		6,395.25	444.31
	<i>For Factory Installed Accessory, Deduct</i>		-888.61	
26 29 13 13-0145	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2)		13,448.03	592.40
	<i>For Factory Installed Accessory, Deduct</i>		-1,184.81	
26 29 13 13-0146	EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2)		32,229.04	888.61
	<i>For Factory Installed Accessory, Deduct</i>		-1,777.21	
26 29 13 13-0147	NEMA 4/4X, Non Reversing, Magnetic Contactors (26 29 13 13-0084)			
	Note: Brushed stainless steel enclosure.			
26 29 13 13-0148	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12)		1,347.20	177.72
	<i>For Factory Installed Accessory, Deduct</i>		-355.44	
26 29 13 13-0149	EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11)		1,393.38	177.72
	<i>For Factory Installed Accessory, Deduct</i>		-355.44	
26 29 13 13-0150	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12)		1,467.08	192.54
	<i>For Factory Installed Accessory, Deduct</i>		-385.06	
26 29 13 13-0151	EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13)		1,721.06	259.18
	<i>For Factory Installed Accessory, Deduct</i>		-518.35	
26 29 13 13-0152	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12)		2,603.10	222.15
	<i>For Factory Installed Accessory, Deduct</i>		-444.31	
26 29 13 13-0153	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12)		3,916.12	296.20
	<i>For Factory Installed Accessory, Deduct</i>		-592.40	
26 29 13 13-0154	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12)		7,711.31	444.31
	<i>For Factory Installed Accessory, Deduct</i>		-888.61	
26 29 13 13-0155	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12)		13,448.03	592.40
	<i>For Factory Installed Accessory, Deduct</i>		-1,184.81	
26 29 13 13-0156	EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2)		35,667.15	888.61
	<i>For Factory Installed Accessory, Deduct</i>		-1,777.21	
26 29 13 13-0157	NEMA 7/9, Non Reversing, Magnetic Contactors (26 29 13 13-0084)			
	Note: Bolted cast iron enclosure.			
26 29 13 13-0158	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2)		2,646.35	236.97
	<i>For Factory Installed Accessory, Deduct</i>		-473.92	
26 29 13 13-0159	Non Reversing, Magnetic Starters (26 29 13 13-0083)			
26 29 13 13-0160	Open Enclosure, Non Reversing, Magnetic Starters (26 29 13 13-0159)			
26 29 13 13-0161	EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11)		701.30	148.11
	<i>For Factory Installed Accessory, Deduct</i>		-296.20	
26 29 13 13-0162	EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12)		730.93	162.91
	<i>For Factory Installed Accessory, Deduct</i>		-325.83	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0163	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1)	782.36	162.91
			<i>For Factory Installed Accessory, Deduct</i>	-325.83	
26 29 13 13-0164	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2)	864.44	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0165	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4)	1,382.20	266.58
			<i>For Factory Installed Accessory, Deduct</i>	-533.17	
26 29 13 13-0166	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1)	887.53	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0167	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3)	1,035.74	192.54
			<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13 13-0168	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2)	1,079.82	192.54
			<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13 13-0169	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6)	1,318.87	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0170	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1)	1,505.34	222.15
			<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13 13-0171	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1)	2,311.45	296.20
			<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13 13-0172	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1)	4,821.03	444.31
			<i>For Factory Installed Accessory, Deduct</i>	-888.61	
26 29 13 13-0173	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1)	10,789.69	592.40
			<i>For Factory Installed Accessory, Deduct</i>	-1,184.81	
26 29 13 13-0174	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2)	24,609.78	888.61
			<i>For Factory Installed Accessory, Deduct</i>	-1,777.21	
26 29 13 13-0175	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2)	35,472.69	1,332.91
			<i>For Factory Installed Accessory, Deduct</i>	-2,665.82	
26 29 13 13-0176			NEMA 1, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0177	EA		Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11)	735.93	148.11
			<i>For Factory Installed Accessory, Deduct</i>	-296.20	
26 29 13 13-0178	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12)	765.56	162.91
			<i>For Factory Installed Accessory, Deduct</i>	-325.83	
26 29 13 13-0179	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1)	816.99	162.91
			<i>For Factory Installed Accessory, Deduct</i>	-325.83	
26 29 13 13-0180	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2)	899.07	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0181	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1)	921.11	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0182	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3)	1,004.26	192.54
			<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13 13-0183	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2)	1,115.50	192.54
			<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13 13-0184	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6)	1,475.24	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0185	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1)	1,661.71	222.15
			<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13 13-0186	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1)	2,616.85	296.20
			<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13 13-0187	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1)	5,453.87	444.31
			<i>For Factory Installed Accessory, Deduct</i>	-888.61	
26 29 13 13-0188	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1)	11,946.22	592.40
			<i>For Factory Installed Accessory, Deduct</i>	-1,184.81	
26 29 13 13-0189			NEMA 12, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0190	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1)	996.45	162.91
			<i>For Factory Installed Accessory, Deduct</i>	-325.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0191 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2).....	1,078.53	177.72
<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0192 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1).....	1,100.57	177.72
<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	1,183.72	192.54
<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	1,294.96	192.54
<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6).....	1,803.73	177.72
<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1).....	1,989.15	222.15
<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1).....	3,004.11	296.20
<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1).....	6,738.43	444.31
<i>For Factory Installed Accessory, Deduct</i>	-888.61	
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1).....	15,233.20	592.40
<i>For Factory Installed Accessory, Deduct</i>	-1,184.81	
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2).....	36,123.67	888.61
<i>For Factory Installed Accessory, Deduct</i>	-1,777.21	
26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0202 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1).....	996.45	162.91
<i>For Factory Installed Accessory, Deduct</i>	-325.83	
26 29 13 13-0203 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2).....	1,078.53	177.72
<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0204 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1).....	1,100.57	177.72
<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0205 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3).....	1,183.72	192.54
<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13 13-0206 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2).....	1,294.96	192.54
<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13 13-0207 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6).....	1,803.73	177.72
<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0208 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1).....	1,989.15	222.15
<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13 13-0209 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1).....	3,004.11	296.20
<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13 13-0210 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1).....	6,738.43	444.31
<i>For Factory Installed Accessory, Deduct</i>	-888.61	
26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4).....	2,759.93	251.77
<i>For Factory Installed Accessory, Deduct</i>	-503.54	
26 29 13 13-0213 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1).....	3,370.73	251.77
<i>For Factory Installed Accessory, Deduct</i>	-503.54	
26 29 13 13-0214 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3).....	3,475.92	266.58
<i>For Factory Installed Accessory, Deduct</i>	-533.17	
26 29 13 13-0215 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1).....	5,343.41	296.20
<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13 13-0216 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43).....	6,448.65	370.25
<i>For Factory Installed Accessory, Deduct</i>	-740.51	
26 29 13 13-0217 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41).....	10,249.08	518.35
<i>For Factory Installed Accessory, Deduct</i>	-1,036.71	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13	13-0218		NEMA 4/4X, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
			Note: Brushed stainless steel enclosure.		
26 29 13	13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11).....	1,339.63	162.91
			<i>For Factory Installed Accessory, Deduct</i>	-325.83	
26 29 13	13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12).....	1,422.77	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13	13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11).....	1,459.50	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13	13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13).....	1,542.64	192.54
			<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13	13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12).....	1,653.89	192.54
			<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13	13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16).....	2,549.91	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13	13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11).....	4,139.66	296.20
			<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13	13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11).....	8,053.44	444.31
			<i>For Factory Installed Accessory, Deduct</i>	-888.61	
26 29 13	13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11).....	17,761.41	592.40
			<i>For Factory Installed Accessory, Deduct</i>	-1,184.81	
26 29 13	13-0228		NEMA 4X, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
			Note: Glass polyester enclosure.		
26 29 13	13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21).....	2,738.48	222.15
			<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13	13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21).....	5,027.52	296.20
			<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13	13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21).....	9,845.96	444.31
			<i>For Factory Installed Accessory, Deduct</i>	-888.61	
26 29 13	13-0232		NEMA 7/9, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
			Note: Bolted cast iron enclosure.		
26 29 13	13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1).....	2,668.39	236.97
			<i>For Factory Installed Accessory, Deduct</i>	-473.92	
26 29 13	13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2).....	2,759.93	251.77
			<i>For Factory Installed Accessory, Deduct</i>	-503.54	
26 29 13	13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	2,797.71	251.77
			<i>For Factory Installed Accessory, Deduct</i>	-503.54	
26 29 13	13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3).....	2,885.06	266.58
			<i>For Factory Installed Accessory, Deduct</i>	-533.17	
26 29 13	13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	3,013.10	266.58
			<i>For Factory Installed Accessory, Deduct</i>	-533.17	
26 29 13	13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1).....	4,394.68	296.20
			<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13	13-0239		Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13	13-0240		Open Enclosure, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13	13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13).....	1,290.76	192.54
			<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13	13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16).....	1,356.88	192.54
			<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13	13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1).....	1,499.85	207.34
			<i>For Factory Installed Accessory, Deduct</i>	-414.68	
26 29 13	13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2).....	1,558.86	222.15
			<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13	13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10).....	1,595.59	222.15
			<i>For Factory Installed Accessory, Deduct</i>	-444.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0246 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2).....	1,707.06	236.97
<i>For Factory Installed Accessory, Deduct</i>	-473.92	
26 29 13 13-0247 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3).....	1,782.98	259.18
<i>For Factory Installed Accessory, Deduct</i>	-518.35	
26 29 13 13-0248 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7).....	1,820.76	259.18
<i>For Factory Installed Accessory, Deduct</i>	-518.35	
26 29 13 13-0249 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1).....	3,057.64	296.20
<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13 13-0250 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1).....	4,983.70	444.31
<i>For Factory Installed Accessory, Deduct</i>	-888.61	
26 29 13 13-0251 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	11,334.49	666.46
<i>For Factory Installed Accessory, Deduct</i>	-1,332.91	
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	20,992.21	888.61
<i>For Factory Installed Accessory, Deduct</i>	-1,777.21	
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	67,539.12	1,629.12
<i>For Factory Installed Accessory, Deduct</i>	-3,258.22	
26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0255 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13).....	1,324.11	177.72
<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13 13-0256 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15).....	1,385.22	192.54
<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13 13-0257 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16).....	1,423.00	192.54
<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13 13-0258 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1).....	1,562.82	207.34
<i>For Factory Installed Accessory, Deduct</i>	-414.68	
26 29 13 13-0259 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2).....	1,623.93	222.15
<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13 13-0260 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4).....	1,661.71	222.15
<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13 13-0261 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2).....	1,801.52	236.97
<i>For Factory Installed Accessory, Deduct</i>	-473.92	
26 29 13 13-0262 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6).....	1,877.43	259.18
<i>For Factory Installed Accessory, Deduct</i>	-518.35	
26 29 13 13-0263 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8).....	1,915.21	259.18
<i>For Factory Installed Accessory, Deduct</i>	-518.35	
26 29 13 13-0264 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2).....	3,303.22	296.20
<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13 13-0265 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2).....	5,408.74	444.31
<i>For Factory Installed Accessory, Deduct</i>	-888.61	
26 29 13 13-0266 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3).....	12,115.31	666.46
<i>For Factory Installed Accessory, Deduct</i>	-1,332.91	
26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0268 EA Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2).....	1,892.60	222.15
<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13 13-0269 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4).....	1,930.38	222.15
<i>For Factory Installed Accessory, Deduct</i>	-444.31	
26 29 13 13-0270 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4).....	2,183.88	259.18
<i>For Factory Installed Accessory, Deduct</i>	-518.35	
26 29 13 13-0271 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	3,752.40	296.20
<i>For Factory Installed Accessory, Deduct</i>	-592.40	
26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0273 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	2,348.07	222.15
<i>For Factory Installed Accessory, Deduct</i>	-444.31	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13	13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	2,758.65	236.97
			<i>For Factory Installed Accessory, Deduct</i>	-473.92	
26 29 13	13-0275		Magnetic Contactor/Starters Accessories <small>(26 29 13 13-0283)</small>		
26 29 13	13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2).....	175.86	18.51
			<i>For Factory Installed Accessory, Deduct</i>	-37.03	
26 29 13	13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3).....	294.34	18.51
			<i>For Factory Installed Accessory, Deduct</i>	-37.03	
26 29 13	13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	175.86	18.51
			<i>For Factory Installed Accessory, Deduct</i>	-37.03	
26 29 13	13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	294.34	18.51
			<i>For Factory Installed Accessory, Deduct</i>	-37.03	
26 29 13	13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R).....	294.34	18.51
			<i>For Factory Installed Accessory, Deduct</i>	-37.03	
26 29 13	13-0281	EA	Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	148.10	14.81
			<i>For Factory Installed Accessory, Deduct</i>	-29.62	
26 29 13	13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6).....	132.54	14.81
			<i>For Factory Installed Accessory, Deduct</i>	-29.62	
26 29 13	13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8).....	175.86	18.51
			<i>For Factory Installed Accessory, Deduct</i>	-37.03	
26 29 13	13-0284	EA	External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	148.10	14.81
			<i>For Factory Installed Accessory, Deduct</i>	-29.62	
26 29 13	13-0285	EA	External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15).....	197.40	18.51
			<i>For Factory Installed Accessory, Deduct</i>	-37.03	
26 29 13	13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6).....	218.71	14.81
			<i>For Factory Installed Accessory, Deduct</i>	-29.62	
26 29 13	13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11).....	373.10	14.81
			<i>For Factory Installed Accessory, Deduct</i>	-29.62	
26 29 13	13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21).....	395.83	14.81
			<i>For Factory Installed Accessory, Deduct</i>	-29.62	
26 29 13	13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8).....	473.85	18.51
			<i>For Factory Installed Accessory, Deduct</i>	-37.03	
26 29 13	13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13).....	822.12	18.51
			<i>For Factory Installed Accessory, Deduct</i>	-37.03	
26 29 13	13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23).....	822.12	18.51
			<i>For Factory Installed Accessory, Deduct</i>	-37.03	
26 29 13	13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	53.47	11.11
			<i>For Factory Installed Accessory, Deduct</i>	-22.22	
26 29 13	13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	106.21	14.81
			<i>For Factory Installed Accessory, Deduct</i>	-29.62	
26 29 13	13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	139.95	18.51
			<i>For Factory Installed Accessory, Deduct</i>	-37.03	
26 29 13	13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	111.23	18.51
			<i>For Factory Installed Accessory, Deduct</i>	-37.03	
26 29 13	13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	62.08	11.11
			<i>For Factory Installed Accessory, Deduct</i>	-22.22	
26 29 13	13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1).....	39.34	11.11
			<i>For Factory Installed Accessory, Deduct</i>	-22.22	
26 29 13	13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39).....	191.19	14.81
			<i>For Factory Installed Accessory, Deduct</i>	-29.62	
26 29 13	13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40).....	327.85	18.51
			<i>For Factory Installed Accessory, Deduct</i>	-37.03	
26 29 13	13-0300		Definite Purpose Starters <small>(26 29 13 13)</small>		
26 29 13	13-0301		Open Enclosure, Definite Purpose Starter <small>(26 29 13 13-0300)</small>		
26 29 13	13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13).....	667.14	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13	13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22).....	666.09	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13	13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23).....	720.89	192.54
			<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13	13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32).....	704.92	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13	13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33).....	766.02	192.54
			<i>For Factory Installed Accessory, Deduct</i>	-385.06	
26 29 13	13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42).....	738.50	177.72
			<i>For Factory Installed Accessory, Deduct</i>	-355.44	
26 29 13	13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43).....	863.05	222.15
			<i>For Factory Installed Accessory, Deduct</i>	-444.31	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 29 13	13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52).....	950.16	222.15
				<i>For Factory Installed Accessory, Deduct</i>	-444.31	
	26 29 13	13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53).....	1,187.92	259.18
				<i>For Factory Installed Accessory, Deduct</i>	-518.35	
26 29 13	13-0311			NEMA 1, Definite Purpose Starter <small>(26 29 13 13-0300)</small>		
	26 29 13	13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12).....	674.26	162.91
				<i>For Factory Installed Accessory, Deduct</i>	-325.83	
	26 29 13	13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13).....	729.06	177.72
				<i>For Factory Installed Accessory, Deduct</i>	-355.44	
	26 29 13	13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22).....	726.96	177.72
				<i>For Factory Installed Accessory, Deduct</i>	-355.44	
	26 29 13	13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23).....	784.91	192.54
				<i>For Factory Installed Accessory, Deduct</i>	-385.06	
	26 29 13	13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32).....	766.84	177.72
				<i>For Factory Installed Accessory, Deduct</i>	-355.44	
	26 29 13	13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33).....	828.99	192.54
				<i>For Factory Installed Accessory, Deduct</i>	-385.06	
	26 29 13	13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42).....	802.52	177.72
				<i>For Factory Installed Accessory, Deduct</i>	-355.44	
	26 29 13	13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43).....	926.02	222.15
				<i>For Factory Installed Accessory, Deduct</i>	-444.31	
	26 29 13	13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52).....	1,009.98	222.15
				<i>For Factory Installed Accessory, Deduct</i>	-444.31	
	26 29 13	13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53).....	1,248.79	259.18
				<i>For Factory Installed Accessory, Deduct</i>	-518.35	
26 29 13	13-0322			Definite Purpose Starter Accessory <small>(26 29 13 13-0300)</small>		
	26 29 13	13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory.....	197.40	18.51
				Note: Or Hand-Off-Auto Selector Switch Kit		
				<i>For Factory Installed Accessory, Deduct</i>	-37.03	
26 29 13	13-0324			Panel Mounted Miniature Contactor <small>(26 29 13 13)</small>		
26 29 13	13-0325			Non Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>		
	26 29 13	13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	207.93	74.05
	26 29 13	13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	241.62	81.46
	26 29 13	13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	241.62	81.46
	26 29 13	13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	267.98	88.86
	26 29 13	13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	226.82	74.05
	26 29 13	13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	237.32	74.05
	26 29 13	13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	259.46	81.46
	26 29 13	13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	269.96	81.46
	26 29 13	13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	265.76	81.46
	26 29 13	13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	269.96	81.46
	26 29 13	13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	288.97	88.86

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0337 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	276.25	81.46
26 29 13 13-0338 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	299.46	88.86
26 29 13 13-0339 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	278.35	81.46
26 29 13 13-0340 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	278.35	81.46
26 29 13 13-0341 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	309.96	88.86
26 29 13 13-0342 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	309.96	88.86
26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>		
26 29 13 13-0344 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	284.54	74.05
26 29 13 13-0345 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	305.53	74.05
26 29 13 13-0346 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	338.17	81.46
26 29 13 13-0347 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	338.17	81.46
26 29 13 13-0348 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	359.16	81.46
26 29 13 13-0349 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	378.17	88.86
26 29 13 13-0350 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	378.17	88.86
26 29 13 13-0351 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	323.37	74.05
26 29 13 13-0352 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	344.36	74.05
26 29 13 13-0353 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	374.91	81.46
26 29 13 13-0354 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	395.90	81.46
26 29 13 13-0355 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	421.20	88.86
26 29 13 13-0356 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	442.19	88.86
26 29 13 13-0357 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	363.36	81.46
26 29 13 13-0358 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	412.69	81.46
26 29 13 13-0359 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	465.28	88.86
26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories <small>(26 29 13 13-0324)</small>		
26 29 13 13-0361 EA 2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	90.53	37.03
26 29 13 13-0362 EA 4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	98.63	37.03
26 29 13 13-0363 EA Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	113.30	37.03
26 29 13 13-0364 EA Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	142.49	37.03
26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole <small>(26 29 13 13)</small>		
26 29 13 13-0366 NEMA 1 Enclosure <small>(26 29 13 13-0365)</small>		
26 29 13 13-0367 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing..... <i>For NEMA 4, Add</i>	7,431.88 747.73	709.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing..... <i>For NEMA 4, Add</i>	12,822.46 1,365.78	946.58
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing..... <i>For NEMA 4, Add</i>	22,183.06 2,492.76	1,124.07
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing..... <i>For NEMA 4, Add</i>	53,429.58 6,336.33	1,375.50
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing..... <i>For NEMA 4, Add</i>	85,035.90 10,189.30	1,760.05
26 29 13 13-0372 NEMA 12 Enclosure <small>(26 29 13 13-0365)</small>		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	7,382.05	725.02
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	12,731.45	948.06
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	22,016.95	1,120.51
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	53,007.36	1,369.43
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	84,356.94	1,760.79
26 29 13 13-0378 Factory Modifications Pilot Devices <small>(26 29 13 13-0365)</small>		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	176.17	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	194.29	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	330.72	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	179.69	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	258.38	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	129.19	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	421.67	
26 29 13 13-0386 Factory Modifications Meters <small>(26 29 13 13-0365)</small>		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,694.96	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,637.10	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	578.77	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	479.57	
26 29 13 13-0391 Factory Modifications Main Circuit Breakers <small>(26 29 13 13-0365)</small>		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker.....	2,240.14	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker.....	4,096.94	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	8,714.59	
26 29 13 13-0395 Factory Modifications Addition <small>(26 29 13 13-0365)</small>		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	376.21	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	376.21	
26 29 13 13-0398 EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	376.21	
26 29 13 13-0399 EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	376.21	
26 29 13 13-0400 Combination Starters Non-Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0401 240-600 Volt, 3-Pole <small>(26 29 13 13-0400)</small>		
26 29 13 13-0402 NEMA 1 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0403 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	1,850.99 221.59	340.18
26 29 13 13-0404 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	2,302.09 233.76	532.45
26 29 13 13-0405 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	3,180.54 370.12	621.20
26 29 13 13-0406 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	4,783.10 616.06	769.09
26 29 13 13-0407 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	8,719.25 1,188.30	1,227.59
26 29 13 13-0408 EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	17,123.32 2,667.98	1,538.20
26 29 13 13-0409 NEMA 1 With Circuit Breaker <small>(26 29 13 13-0401)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0410 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,312.37	340.18
<i>For Electronic Overloads, Add</i>	309.25	
26 29 13 13-0411 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,763.47	532.45
<i>For Electronic Overloads, Add</i>	321.42	
26 29 13 13-0412 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,629.10	621.20
<i>For Electronic Overloads, Add</i>	455.35	
26 29 13 13-0413 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,026.60	769.09
<i>For Electronic Overloads, Add</i>	662.33	
26 29 13 13-0414 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,116.18	1,227.59
<i>For Electronic Overloads, Add</i>	1,453.71	
26 29 13 13-0415 EA Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	20,827.13	1,538.20
<i>For Electronic Overloads, Add</i>	3,371.71	
26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure (26 29 13 13-0401)		
26 29 13 13-0417 EA Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	210.11	
26 29 13 13-0418 EA H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	493.49	
26 29 13 13-0419 EA Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	340.59	
26 29 13 13-0420 NEMA 4 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0421 EA Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,309.56	443.71
<i>For Electronic Overloads, Add</i>	455.35	
26 29 13 13-0422 EA Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,693.18	621.20
<i>For Electronic Overloads, Add</i>	467.53	
26 29 13 13-0423 EA Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,214.26	680.35
<i>For Electronic Overloads, Add</i>	730.51	
26 29 13 13-0424 EA Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,192.32	828.26
<i>For Electronic Overloads, Add</i>	1,244.30	
26 29 13 13-0425 EA Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	12,948.51	1,227.59
<i>For Electronic Overloads, Add</i>	1,991.86	
26 29 13 13-0426 EA Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	27,914.36	1,538.20
<i>For Electronic Overloads, Add</i>	4,718.28	
26 29 13 13-0427 NEMA 4 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0428 EA Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,770.94	443.71
<i>For Electronic Overloads, Add</i>	543.01	
26 29 13 13-0429 EA Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,154.56	621.20
<i>For Electronic Overloads, Add</i>	555.19	
26 29 13 13-0430 EA Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,662.81	680.35
<i>For Electronic Overloads, Add</i>	815.73	
26 29 13 13-0431 EA Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,435.83	828.26
<i>For Electronic Overloads, Add</i>	1,290.57	
26 29 13 13-0432 EA Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	14,345.45	1,227.59
<i>For Electronic Overloads, Add</i>	2,257.27	
26 29 13 13-0433 EA Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	26,466.15	1,538.20
<i>For Electronic Overloads, Add</i>	4,443.12	
26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure (26 29 13 13-0401)		
26 29 13 13-0435 EA Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	210.13	
26 29 13 13-0436 EA H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	493.49	
26 29 13 13-0437 EA Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	340.59	
26 29 13 13-0438 NEMA 12 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,909.30	342.40
<i>For Electronic Overloads, Add</i>	232.67	
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,363.61	535.85
<i>For Electronic Overloads, Add</i>	245.45	
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,277.94	616.32
<i>For Electronic Overloads, Add</i>	388.63	
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,945.21	770.28
<i>For Electronic Overloads, Add</i>	646.86	
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	9,031.95	1,232.62
<i>For Electronic Overloads, Add</i>	1,247.71	
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	17,825.41	1,540.56
<i>For Electronic Overloads, Add</i>	2,801.38	
26 29 13 13-0445 NEMA 12 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,460.22	342.40
<i>For Electronic Overloads, Add</i>	337.34	
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,917.14	535.85
<i>For Electronic Overloads, Add</i>	350.62	
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,846.80	616.32
<i>For Electronic Overloads, Add</i>	496.71	
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,343.25	770.28
<i>For Electronic Overloads, Add</i>	722.49	
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,811.20	1,232.62
<i>For Electronic Overloads, Add</i>	1,585.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	22,439.12 3,677.98	1,540.56
26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure (26 29 13 13-0401)		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	208.38	
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	489.38	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	337.76	
26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,264.57	709.94
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,772.64	946.58
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,365.82	1,301.55
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	9,406.54	1,774.84
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	14,111.84	2,484.77
26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure (26 29 13 13-0401)		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,249.53	
26 29 13 13-0464 EA H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,249.53	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,249.53	
26 29 13 13-0466 Combination Starters Reversing (26 29 13 13)		
26 29 13 13-0467 240-600 Volt, 3 Pole (26 29 13 13-0466)		
26 29 13 13-0468 NEMA 1 With Disconnect Switch (26 29 13 13-0467)		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,302.78	443.71
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,715.38	621.20
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,848.15	680.35
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	5,750.72	828.26
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	11,067.53	1,227.59
26 29 13 13-0474 NEMA 1 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,546.21	443.71
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,975.24	621.20
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,152.35	680.35
26 29 13 13-0478 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,331.92	828.26
26 29 13 13-0479 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	11,890.35	1,227.59
26 29 13 13-0480 NEMA 12 With Disconnect Switch (26 29 13 13-0467)		
26 29 13 13-0481 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,444.34	456.58
26 29 13 13-0482 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,866.42	616.32
26 29 13 13-0483 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	4,100.62	684.79
26 29 13 13-0484 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	6,169.08	821.75
26 29 13 13-0485 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	11,943.75	1,232.62
26 29 13 13-0486 NEMA 12 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0487 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,712.57	456.58
26 29 13 13-0488 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,152.75	616.32
26 29 13 13-0489 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,435.80	684.79
26 29 13 13-0490 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,707.62	821.75
26 29 13 13-0491 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	12,850.38	1,232.62
26 29 13 13-0492 NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0493 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,198.49	946.58
26 29 13 13-0494 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,637.29	1,183.22
26 29 13 13-0495 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	8,054.71	1,538.20
26 29 13 13-0496 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	12,679.58	2,011.48
26 29 13 13-0497 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	22,849.80	2,721.42
26 29 13 13-0498 Solid State Motor Controllers (26 29 13 13)		
26 29 13 13-0499 Adjustable Voltage Drives, DC Motors (26 29 13 13-0498)		
26 29 13 13-0500 EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking.....	1,796.00	266.22
26 29 13 13-0501 EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	2,136.64	266.22
26 29 13 13-0502 Removal And Reinstallation Of Motor Starters (26 29 13 13)		
Note: Includes storage and cleaning.		
26 29 13 13-0503 EA Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	1,056.45	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 29	Low-Voltage Controllers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0504 Auxiliary Devices <small>(26 29 13 13)</small>		
26 29 13 13-0505 EA Normally Open, Auxiliary Contact	561.02	147.91
26 29 13 13-0506 EA Normally Closed, Auxiliary Contact	561.02	147.91
26 29 13 13-0507 EA Pilot Light Kit	587.78	147.91
26 29 33 Controllers for Fire Pump Drivers <small>(26 29)</small>		
26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers <small>(26 29 33)</small>		
26 29 33 13-0001 Electric Controllers For Fire Pumps <small>(26 29 33 13)</small>		
26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller <small>(26 29 33 13-0001)</small>		
26 29 33 13-0003 EA 30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	32,926.24	298.04
26 29 33 13-0004 EA 40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	37,278.60	331.17
26 29 33 13-0005 EA 50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	39,082.69	364.28
26 29 33 13-0006 EA 75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	44,566.18	397.39
26 29 33 13-0007 EA 150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	47,082.23	463.63
26 29 33 13-0008 EA 175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	50,164.13	596.09
26 29 33 13-0009 EA 200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	54,370.36	662.32
26 29 33 13-0010 EA 250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	62,183.30	755.05
26 29 33 13-0011 EA 300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	74,957.23	814.66
26 29 33 13-0012 EA 350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	88,097.13	927.26
26 29 33 13-0013 EA 400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	105,131.41	993.49
26 29 33 13-0014 EA 500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch.....	118,698.67	1,059.72
26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers <small>(26 29 33)</small>		
See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.		
26 30 Facility Electrical Power Generating and Storing Equipment <small>(26)</small>		
26 31 Photovoltaic Collectors <small>(26 30)</small>		
26 31 00 00-0001 Rigid Photovoltaic Modules <small>(26 31)</small>		
26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules <small>(26 31 00 00-0001)</small>		
26 31 00 00-0003 EA 205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	2,166.72	140.50
<i>For >50, Deduct -188.57</i>		
26 31 00 00-0004 EA 210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	2,268.94	140.50
<i>For >50, Deduct -198.79</i>		
26 31 00 00-0005 EA 215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HKA6).....	2,126.62	140.50
<i>For >50, Deduct -184.56</i>		
26 31 00 00-0006 Sharp Rigid Photovoltaic Modules <small>(26 31 00 00-0001)</small>		
26 31 00 00-0007 EA 224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	1,706.45	140.50
<i>For >50, Deduct -142.54</i>		
26 31 00 00-0008 EA 230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	1,934.61	140.50
<i>For >50, Deduct -165.36</i>		
26 31 00 00-0009 EA 235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	1,970.75	140.50
<i>For >50, Deduct -168.97</i>		
26 31 00 00-0010 EA 240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	1,857.80	140.50
<i>For >50, Deduct -157.68</i>		
26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules <small>(26 31 00 00-0001)</small>		
Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0012 EA 50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	865.99	140.50
<i>For >50, Deduct -58.50</i>		
26 31 00 00-0013 EA 75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	1,058.00	140.50
<i>For >50, Deduct -77.70</i>		
26 31 00 00-0014 EA 80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	1,134.81	140.50
<i>For >50, Deduct -85.38</i>		
26 31 00 00-0015 Photovoltaic Inverters <small>(26 31)</small>		
26 31 00 00-0016 Fronius Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0017 EA 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	5,098.65	147.91
26 31 00 00-0018 EA 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	6,709.21	147.91
26 31 00 00-0019 EA 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	7,079.23	147.91
26 31 00 00-0020 EA 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	7,909.41	147.91
26 31 00 00-0021 EA 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	12,494.90	147.91
26 31 00 00-0022 EA 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	14,516.21	147.91
26 31 00 00-0023 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	11,881.74	295.81
26 31 00 00-0024 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	15,010.69	295.81
26 31 00 00-0025 EA Inverter Display Stand (Fronius 4,045,894).....	468.01	73.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0026 SMA Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0027 EA 4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	3,799.65	147.91
26 31 00 00-0028 EA 5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	4,550.67	147.91
26 31 00 00-0029 EA 6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	5,250.58	147.91
26 31 00 00-0030 EA 7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	5,784.90	147.91
26 31 00 00-0031 EA 8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	5,604.92	147.91
26 31 00 00-0032 PVPowered Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0033 EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100).....	4,689.86	147.91
26 31 00 00-0034 EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000).....	4,902.61	147.91
26 31 00 00-0035 EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500).....	5,411.41	147.91
26 31 00 00-0036 EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500).....	6,419.66	184.87
26 31 00 00-0037 EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600).....	7,825.69	221.85
26 31 00 00-0038 EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800).....	7,890.46	221.85
26 31 00 00-0039 EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200).....	8,321.52	221.85
26 31 00 00-0040 EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	98,707.35	1,183.22
26 31 00 00-0041 EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	98,837.45	1,183.22
26 31 00 00-0042 EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	106,917.74	1,183.22
26 31 00 00-0043 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	99,147.94	1,183.22
26 31 00 00-0044 Solectria Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0045 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI).....	15,561.25	295.81
26 31 00 00-0046 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI).....	15,561.25	295.81
26 31 00 00-0047 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI).....	16,013.35	295.81
26 31 00 00-0048 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI).....	16,013.35	295.81
26 31 00 00-0049 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	48,743.33	887.42
26 31 00 00-0050 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	46,482.82	887.42
26 31 00 00-0051 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	53,264.36	887.42
26 31 00 00-0052 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	52,008.52	887.42
26 31 00 00-0053 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	56,529.55	887.42
26 31 00 00-0054 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	54,017.87	887.42
26 31 00 00-0055 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	59,632.85	1,183.22
26 31 00 00-0056 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	56,869.99	1,183.22
26 31 00 00-0057 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	61,893.36	1,183.22
26 31 00 00-0058 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	58,628.17	1,183.22
26 31 00 00-0059 Xantrex Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0060 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	659.60	36.98
26 31 00 00-0061 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210).....	717.77	36.98
26 31 00 00-0062 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220).....	1,145.26	36.98
26 31 00 00-0063 Photovoltaic DC-DC Converters <small>(26 31)</small>		
26 31 00 00-0064 EA 15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20).....	400.08	55.46
Note: Hazardous locations.		
26 31 00 00-0065 EA 20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23).....	273.58	55.46
26 31 00 00-0066 EA 60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60).....	725.38	55.46
26 31 00 00-0067 Photovoltaic Combiner Boxes <small>(26 31)</small>		
26 31 00 00-0068 Midnight Solar Photovoltaic Combiner Boxes <small>(26 31 00 00-0067)</small>		
26 31 00 00-0069 EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3).....	509.12	147.91
26 31 00 00-0070 EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6).....	497.40	147.91
26 31 00 00-0071 EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12).....	786.50	221.85
26 31 00 00-0072 EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250).....	790.61	221.85
26 31 00 00-0073 EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16).....	1,170.62	221.85
26 31 00 00-0074 SMA Photovoltaic Combiner Boxes <small>(26 31 00 00-0067)</small>		
26 31 00 00-0075 EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6).....	1,062.04	147.91
26 31 00 00-0076 EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12).....	1,261.69	147.91
26 31 00 00-0077 EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28).....	2,447.07	295.81
26 31 00 00-0078 EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52).....	5,486.72	295.81
26 31 00 00-0079 EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch).....	954.00	147.91
26 31 00 00-0080 Photovoltaic Charge Controller <small>(26 31)</small>		
26 31 00 00-0081 EA 35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	323.28	55.46
26 31 00 00-0082 EA 40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	424.93	55.46
26 31 00 00-0083 EA 60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	492.70	55.46
26 31 00 00-0084 EA Remote Digital Meter For Xantrex C-35, 40 And 60.....	382.01	55.46

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0085 EA MPPT Charge Controller (Xantrex XW SCC).....	1,281.81	73.95
26 31 00 00-0086 Photovoltaic Batteries (26 31)		
26 31 00 00-0087 Concorde Photovoltaic Batteries (26 31 00 00-0086)		
26 31 00 00-0088 EA 34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	288.11	22.19
26 31 00 00-0089 EA 45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	363.84	29.58
26 31 00 00-0090 EA 49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	393.38	29.58
26 31 00 00-0091 EA 56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	454.36	44.37
26 31 00 00-0092 EA 69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	515.29	44.37
26 31 00 00-0093 EA 89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	611.33	51.76
26 31 00 00-0094 EA 104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	701.03	59.16
26 31 00 00-0095 EA 108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	693.15	59.16
26 31 00 00-0096 EA 210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	1,257.66	70.26
26 31 00 00-0097 EA 255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	1,451.94	73.95
26 31 00 00-0098 Deka Photovoltaic Batteries (26 31 00 00-0086)		
26 31 00 00-0099 EA 31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	306.73	37.03
26 31 00 00-0100 EA 50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	417.42	37.03
26 31 00 00-0101 EA 74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24).....	609.43	37.03
26 31 00 00-0102 EA 86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27).....	695.27	37.03
26 31 00 00-0103 EA 98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31).....	697.53	37.03
26 31 00 00-0104 EA 183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	1,339.09	37.03
26 31 00 00-0105 EA 225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	1,546.92	37.03
26 31 00 00-0106 Battery Enclosures (26 31 00 00-0086)		
26 31 00 00-0107 EA 14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	345.03	36.98
26 31 00 00-0108 EA 22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	1,639.54	37.03
26 31 00 00-0109 EA 37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	1,542.40	37.03
26 31 00 00-0110 EA 37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	2,050.67	37.03
26 31 00 00-0111 EA 15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	921.17	37.03
26 31 00 00-0112 EA 31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	2,147.81	37.03
26 31 00 00-0113 Photovoltaic System Monitoring (26 31)		
26 31 00 00-0114 EA Solar Inverter Monitor (Xantrex 864-0203).....	726.67	73.95
26 31 00 00-0115 EA Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	1,461.54	36.98
26 31 00 00-0116 EA Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	1,223.28	36.98
26 31 00 00-0117 EA PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	236.19	36.98
26 31 00 00-0118 EA Wind Sensor Accessory For Sunny SensorBox (SMA).....	577.75	73.95
26 31 00 00-0119 EA Sunny Boy Control with RS485 (SMA).....	1,437.82	36.98
26 31 00 00-0120 EA RS 485 Module (SMA).....	336.88	36.98
26 31 00 00-0121 EA RS 232 Module (SMA).....	345.03	36.98
26 31 00 00-0122 EA Wireless Monitor with Bluetooth (SMA Sunny Beam).....	648.75	36.98
26 31 00 00-0123 EA Bluetooth Piggy-Back Computer Card (SMA).....	349.43	36.98
26 31 00 00-0124 EA RS485-N Communication Computer Card (SMA).....	347.15	36.98
26 31 00 00-0125 EA Bluetooth Repeater (SMA).....	644.26	36.98
26 31 00 00-0126 EA Sunny Boy PC Service Cable (SMA).....	303.86	11.09
26 31 00 00-0127 EA Integrated Revenue Grade Meter, Option (PVPowered).....	5,794.34	
26 31 00 00-0128 EA Data Monitoring Module (PVPowered PVM1010).....	642.93	36.98
26 31 00 00-0129 EA Wireless IG Personal Display (Fronius 4,240,108).....	658.66	
26 31 00 00-0130 EA DatCom Power Supply (Fronius 43,0001,2311).....	212.93	
26 31 00 00-0131 EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	387.90	36.98
26 31 00 00-0132 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	330.07	36.98
26 31 00 00-0133 EA Datalogger Pro Box (Fronius 4,240,102).....	1,260.57	36.98
26 31 00 00-0134 EA Datalogger Easy Box (Fronius 4,240,103).....	824.25	36.98
26 31 00 00-0135 EA Datalogger Interface Box (Fronius 4,240,105).....	1,421.57	36.98
26 31 00 00-0136 EA Datalogger Web (Fronius 4,240,122).....	2,434.04	36.98
26 31 00 00-0137 EA Interface Box (Fronius 4,240,109).....	662.88	36.98
26 31 00 00-0138 EA Interface Card (Fronius 4,240,009,Z).....	476.47	36.98
26 31 00 00-0139 EA Interface Card Easy (Fronius 4,240,013,Z).....	318.33	36.98
26 31 00 00-0140 EA Sensor Box (Fronius 4,240,104).....	1,316.00	36.98
26 31 00 00-0141 EA Ambient Temperature Sensor (Fronius 43,0001,1188).....	156.75	36.98
26 31 00 00-0142 EA Irradiance Sensor (Fronius 43,0001,1188).....	464.99	36.98
26 31 00 00-0143 EA Module Temperature Sensor (Fronius 43,0001,1190).....	516.48	36.98
26 31 00 00-0144 EA Wind Speed Sensor (Fronius 42,0411,0027).....	291.20	73.95
26 31 00 00-0145 Photovoltaic System Accessories (26 31)		
26 31 00 00-0146 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	986.52	73.95
26 31 00 00-0147 EA Line Communication Filter (Enphase LCF).....	2,145.93	147.91
26 31 00 00-0148 EA 15 Meter RS 485 Communication Cable (SMA).....	164.51	11.09
26 31 00 00-0149 EA 15 Meter RS 232 Communication Cable (SMA).....	245.83	11.09
26 31 00 00-0150 EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	38.84	3.66
26 31 00 00-0151 EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	41.57	3.66
26 31 00 00-0152 EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	43.11	3.66
26 31 00 00-0153 EA 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	47.38	3.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0154 EA 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	53.79	3.66
26 31 00 00-0155 EA 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	86.23	7.32
26 31 00 00-0156 EA 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	106.11	7.32
26 31 00 00-0157 EA 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	140.02	10.98
26 31 00 00-0158 EA 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	48.45	3.66
26 31 00 00-0159 EA 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	66.59	3.66
26 31 00 00-0160 EA 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	99.04	7.32
26 31 00 00-0161 EA 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	131.06	7.32
26 31 00 00-0162 EA 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	214.08	14.65
26 31 00 00-0163 EA 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	223.12	14.65
26 31 00 00-0164 EA Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery.....	3,977.65	399.34
Note: Tamper proof enclosure.		
26 31 00 00-0165	Photovoltaic Mounting Systems <small>(26 31)</small>	
26 31 00 00-0166 LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard).....	14.41	3.70
26 31 00 00-0167 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229).....	44.06	18.48
26 31 00 00-0168 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216).....	54.12	18.48
26 31 00 00-0169 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046).....	27.76	7.39
Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0170 EA Mounting Rail Grounding Clip (UNIRAC 980006).....	13.90	5.55
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0171 EA Mounting Rail Grounding Lugs (UNIRAC 980012).....	28.22	7.39
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0172 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002).....	7.74	2.47
Note: Four for each row of modules you plan to mount.		
26 31 00 00-0173 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008).....	8.07	2.47
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0174 EA Photovoltaic Module Mount L-Feet (UNIRAC 310065).....	20.42	7.39
26 31 00 00-0175 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121).....	119.18	36.98
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0176 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122).....	130.56	36.98
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123).....	139.73	36.98
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0178 EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107).....	175.45	55.46
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0179 EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108).....	209.60	55.46
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0180 EA 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109).....	240.60	55.46
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0181 EA 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111).....	269.35	73.95
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182 EA 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112).....	350.95	73.95
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183 EA 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110).....	495.73	110.93
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184 EA Ballasted Photovoltaic Module Frame (UNIRAC 310351).....	242.49	
Note: Excludes ballast.		
26 31 00 00-0185 EA Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355).....	448.00	
Note: Excludes ballast.		
26 31 00 00-0186 EA 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	96.43	36.98
26 31 00 00-0187 EA 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	97.48	36.98
26 31 00 00-0188 EA 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	98.44	36.98
26 31 00 00-0189 EA 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	100.83	36.98
26 31 00 00-0190 EA 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	90.08	36.98
26 31 00 00-0191 EA 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	91.29	36.98
26 31 00 00-0192 EA 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	94.82	36.98
26 31 00 00-0193 EA 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	93.82	36.98
26 31 00 00-0194 EA 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390).....	179.87	55.46
26 31 00 00-0195 EA 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391).....	180.60	55.46
26 31 00 00-0196 EA 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394).....	182.75	55.46
26 31 00 00-0197 EA Photovoltaic Module RapidFoot Standoff Assembly (UNIRAC 310370).....	180.51	55.46
26 31 00 00-0198 EA Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	34.66	7.39
26 31 00 00-0199 EA Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	23.67	7.39
26 31 00 00-0200 EA 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100).....	43.95	11.09
26 31 00 00-0201 EA 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100).....	45.59	11.09
26 31 00 00-0202 EA Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100).....	12.52	2.47
Note: Mid or end clamp.		
26 31 00 00-0203 EA Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024).....	55.80	7.39
26 31 00 00-0204 EA Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....	3.17	



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 32 Packaged Generator Assemblies (26 30)

26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

See CSI section 01 22 23 00-0769 for fuel reimbursement for commissioning.

26 32 13 13-0001 Diesel Generator Sets (Cummins) (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0748 for loadbank rental, 01 22 23 00-0769 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA 25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA)	32,552.46	1,242.30
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,791.44	
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	11,275.18	
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	15,033.57	
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	12,199.84	
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	17,696.35	
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	23,595.14	
26 32 13 13-0003	EA 35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA)	34,619.12	1,529.58
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,791.44	
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	11,275.18	
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	15,033.57	
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	12,199.84	
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	17,696.35	
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	23,595.14	
26 32 13 13-0004	EA 40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB)	35,744.64	1,677.10
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,791.44	
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	11,275.18	
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	15,033.57	
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	12,199.84	
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	17,696.35	
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	23,595.14	
26 32 13 13-0005	EA 50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC)	41,823.79	1,925.56
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,791.44	
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	11,275.18	
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	15,033.57	
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	12,199.84	
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	17,696.35	
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	23,595.14	
26 32 13 13-0006	EA 60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD)	45,038.79	2,212.84
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,791.44	
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	11,275.18	
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	15,033.57	
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	12,199.84	
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	17,696.35	
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	23,595.14	
26 32 13 13-0007	EA 80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE)	52,831.90	2,593.30
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	4,791.44	
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	11,275.18	
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	15,033.57	
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	12,199.84	
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	17,696.35	
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	23,595.14	
26 32 13 13-0008	EA 100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA)	56,781.50	3,012.57
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	7,267.60	
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	17,238.77	
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	22,985.03	
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	15,652.61	
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	18,817.66	
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	25,090.22	
26 32 13 13-0009	EA 125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB)	58,270.30	3,571.60
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	7,267.60	
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	17,238.77	
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	22,985.03	
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	15,652.61	
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	18,817.66	
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	25,090.22	
26 32 13 13-0010	EA 150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC)	64,399.26	3,936.53
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	7,267.60	
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	17,238.77	
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	22,985.03	
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	15,652.61	
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	18,817.66	
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	25,090.22	
26 32 13 13-0011	EA 175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB)	67,611.00	4,394.63
	<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	7,267.60	
	<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	17,238.77	
	<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	22,985.03	
	<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	15,652.61	
	<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	18,817.66	
	<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	25,090.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0012 EA 200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC).....	71,767.07	4,813.90
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,267.60	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,238.77	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	22,985.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	15,652.61	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,817.66	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,090.22	
26 32 13 13-0013 EA 230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD).....	77,161.68	5,085.66
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,267.60	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,238.77	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	22,985.03	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	15,652.61	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,817.66	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,090.22	
26 32 13 13-0014 EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA).....	80,339.61	5,295.29
For Weather Resistant Steel Diesel Generator Enclosure, Add	47,132.16	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	52,188.98	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	69,585.31	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	57,164.23	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	63,794.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	85,059.13	
26 32 13 13-0015 EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA).....	87,252.62	5,582.57
For Weather Resistant Steel Diesel Generator Enclosure, Add	47,132.16	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	52,188.98	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	69,585.31	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	57,164.23	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	63,794.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	85,059.13	
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB).....	89,240.40	5,831.04
For Weather Resistant Steel Diesel Generator Enclosure, Add	47,132.16	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	52,188.98	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	69,585.31	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	57,164.23	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	63,794.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	85,059.13	
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG).....	100,262.21	6,522.06
For Weather Resistant Steel Diesel Generator Enclosure, Add	47,132.16	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	52,188.98	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	69,585.31	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	57,164.23	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	63,794.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	85,059.13	
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH).....	107,807.26	7,143.21
For Weather Resistant Steel Diesel Generator Enclosure, Add	47,132.16	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	52,188.98	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	69,585.31	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	57,164.23	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	63,794.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	85,059.13	
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ).....	121,263.48	7,694.48
For Weather Resistant Steel Diesel Generator Enclosure, Add	47,132.16	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	52,188.98	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	69,585.31	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	57,164.23	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	63,794.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	85,059.13	
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEK).....	127,421.63	8,199.17
For Weather Resistant Steel Diesel Generator Enclosure, Add	47,132.16	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	52,188.98	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	69,585.31	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	57,164.23	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	63,794.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	85,059.13	
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA).....	183,287.93	9,029.96
For Weather Resistant Steel Diesel Generator Enclosure, Add	96,282.35	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	115,946.45	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	154,595.27	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	113,246.81	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	135,075.87	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	180,101.16	
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB).....	209,640.84	9,930.62
For Weather Resistant Steel Diesel Generator Enclosure, Add	96,282.35	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	115,946.45	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	154,595.27	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	113,246.81	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	135,075.87	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	180,101.16	
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC).....	218,790.53	10,148.03
For Weather Resistant Steel Diesel Generator Enclosure, Add	96,282.35	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	115,946.45	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	154,595.27	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	113,246.81	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	135,075.87	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	180,101.16	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC).....	266,094.40	10,939.98
For Weather Resistant Steel Diesel Generator Enclosure, Add	96,282.35	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	115,946.45	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	154,595.27	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	113,246.81	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	135,075.87	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	180,101.16	
26 32 13 13-0025 EA 1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD).....	297,377.81	11,646.54
For Weather Resistant Steel Diesel Generator Enclosure, Add	96,282.35	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	115,946.45	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	154,595.27	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	113,246.81	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	135,075.87	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	180,101.16	
26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)		
26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins) (26 32 13 19)		
Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0748 for loadbank rental, 01 22 23 00-0769 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.		
26 32 13 19-0002 EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA).....	13,974.01	1,040.42
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,719.91	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	7,830.79	
26 32 13 19-0003 EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB).....	15,778.86	1,242.30
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,719.91	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	7,830.79	
26 32 13 19-0004 EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC).....	18,136.02	1,382.06
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,719.91	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	7,830.79	
26 32 13 19-0005 EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA).....	20,510.20	1,529.58
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,350.75	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0006 EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB).....	22,957.88	1,677.10
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,350.75	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0007 EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC).....	24,849.48	1,809.09
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,350.75	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0008 EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE).....	27,284.59	2,212.84
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,350.75	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0009 EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF).....	29,309.66	2,476.83
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,357.89	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	11,275.18	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	15,033.57	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	13,350.75	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0010 EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG).....	38,039.86	2,647.65
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	7,942.51	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	17,238.77	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	22,985.03	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	15,652.61	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0011 EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH).....	45,656.05	2,981.51
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	7,942.51	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	17,238.77	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	22,985.03	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	15,652.61	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0012 EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA).....	52,410.33	3,571.60
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	7,942.51	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	17,238.77	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	22,985.03	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	15,652.61	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0013 EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB).....	62,046.26	3,936.53
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	7,942.51	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	17,238.77	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	22,985.03	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	15,652.61	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,408.45	
26 32 13 19-0014 EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA).....	99,030.50	10,470.86
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	42,385.42	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	46,919.30	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	62,559.06	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	46,343.27	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	69,542.84	
26 32 13 19-0015 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB).....	112,225.51	4,728.50
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	42,385.42	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	46,919.30	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	62,559.06	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	46,343.27	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	69,542.84	
26 32 13 19-0016 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFCA).....	120,764.59	5,295.29
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	42,385.42	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	46,919.30	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	62,559.06	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	46,343.27	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	69,542.84	
26 32 13 19-0017 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFDA).....	155,504.65	5,831.04
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	42,385.42	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	46,919.30	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	62,559.06	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	46,343.27	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	69,542.84	
26 32 13 19-0018 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB).....	167,029.81	6,522.07
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	42,385.42	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	46,919.30	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	62,559.06	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	46,343.27	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	69,542.84	
26 32 13 19-0019 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFCA).....	233,695.70	7,694.48
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	92,550.21	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	98,333.91	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	131,111.88	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	105,121.02	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	148,572.46	
26 32 13 19-0020 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFDB).....	298,109.49	8,199.17
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	92,550.21	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	98,333.91	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	131,111.88	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	105,121.02	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	148,572.46	
26 32 13 19-0021 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFDC).....	333,207.91	8,641.74
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	92,550.21	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	98,333.91	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	131,111.88	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	105,121.02	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	148,572.46	
26 32 13 19-0022 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFDA).....	379,001.28	9,029.96
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	92,550.21	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	98,333.91	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	131,111.88	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	105,121.02	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	148,572.46	
26 32 13 19-0023 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFDB).....	396,217.42	9,371.58
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	92,550.21	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	98,333.91	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	131,111.88	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	105,121.02	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	148,572.46	
26 32 13 19-0024 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFDC).....	419,104.19	10,016.03
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	92,550.21	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	98,333.91	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	131,111.88	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	105,121.02	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	148,572.46	
26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets (26 32 13 19)		
26 32 13 19-0026 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set.....	4,809.62	680.44
Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.		
26 32 13 19-0027 EA 10 KW Natural Gas Or Propane Air Cooled Generator Set.....	6,012.39	756.05
Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.		

26	Electrical
26 30	Facility Electrical Power Generating and Storing Equipment
26 32	Packaged Generator Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0028	EA		14 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,879.46	814.55
26 32 29 Rotary Converters (26 32)					
26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output (26 32 29)					
26 32 29 00-0002	EA		3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,579.24	295.81
26 32 29 00-0003	EA		5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,646.62	295.81
26 32 29 00-0004	EA		7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,396.48	295.81
26 32 29 00-0005	EA		10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,516.82	295.81
26 32 29 00-0006	EA		15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	17,238.36	369.76
26 32 29 00-0007	EA		20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,658.84	369.76
26 32 29 00-0008	EA		25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,532.36	369.76
26 32 29 00-0009	EA		40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	23,799.48	488.08
26 32 29 00-0010	EA		50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	26,432.92	488.08
26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output (26 32 29)					
26 32 29 00-0012	EA		3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,075.92	295.81
26 32 29 00-0013	EA		5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,188.65	295.81
26 32 29 00-0014	EA		7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,070.84	295.81
26 32 29 00-0015	EA		10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,486.28	295.81
26 32 29 00-0016	EA		15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	17,552.66	369.76
26 32 29 00-0017	EA		20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,291.53	369.76
26 32 29 00-0018	EA		25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,924.22	369.76
26 32 29 00-0019	EA		40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	23,705.60	488.08
26 32 29 00-0020	EA		50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,138.33	488.08
26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)					
26 32 29 00-0022	EA		33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	29,009.06	5,435.06
26 32 29 00-0023	EA		40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	32,286.67	5,435.06
26 32 29 00-0024	EA		50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	36,781.17	7,764.36
26 32 29 00-0025	EA		65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	42,777.13	7,764.36
26 32 29 00-0026	EA		85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	48,435.88	7,764.36
26 32 29 00-0027	EA		100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	57,044.91	11,646.54
26 32 29 00-0028	EA		125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	69,348.32	11,646.54
26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)					
26 32 29 00-0030	EA		170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	100,109.39	15,528.73
26 32 29 00-0031	EA		200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	109,134.95	15,528.73
26 32 29 00-0032	EA		240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	131,225.75	20,187.34
26 32 29 00-0033	EA		320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	149,263.80	24,535.39
26 32 29 00-0034	EA		400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	176,576.15	24,535.39
26 32 29 00-0035	EA		560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	250,123.50	36,647.80
26 32 29 00-0036	EA		640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	259,256.69	36,647.80
26 32 29 00-0037	EA		800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	298,202.84	42,703.99
26 33 Battery Equipment (26 30)					
26 33 13 Batteries (26 33)					
26 33 13 00-0001 Standby Batteries (26 33 13)					
26 33 13 00-0002	EA		12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery.....	1,173.62	37.03
26 33 13 00-0003	EA		12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	1,266.80	37.03
26 33 13 00-0004	EA		725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	346.87	37.03
26 33 13 00-0005	EA		810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	316.86	37.03
26 33 13 00-0006	EA		1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery.....	530.82	37.03
26 33 13 00-0007	EA		1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery.....	613.73	37.03
26 33 43 Battery Chargers (26 33)					
26 33 43 00-0001 Solid State Chargers, Single Phase (26 33 43)					
Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.					
26 33 43 00-0002	EA		Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,588.04	844.63
26 33 43 00-0003	EA		Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	4,164.99	844.63
26 33 43 00-0004	EA		Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	4,580.94	844.63
26 33 43 00-0005	EA		Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	4,858.66	1,000.04
26 33 53 Static Uninterruptible Power Supply (26 33)					
26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)					
26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0001)					



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0003				120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004	EA			0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120).....	1,153.35	146.43
				Note: Includes 12 minutes of battery backup at full load.		
26 33 53 00-0005	EA			0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120).....	1,374.37	170.83
				Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006	EA			1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120).....	1,681.57	195.23
				Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007	EA			1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	2,038.89	219.64
				Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008	EA			2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120).....	2,585.59	244.04
				Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009	EA			3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120).....	4,082.84	292.85
				Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0010				208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA			3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208).....	4,012.05	292.85
				Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0012				120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA			5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208).....	6,139.22	390.47
				Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0014	EA			6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208).....	6,723.68	439.28
				Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0015	EA			8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208).....	9,956.40	536.89
				Note: Includes 7 minutes of battery backup at full load.		
26 33 53 00-0016	EA			10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	11,419.44	585.70
				Note: Includes 4-1/2 minutes of battery backup at full load.		
26 33 53 00-0017				230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA			0.7 kVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	1,374.37	170.83
				Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019	EA			1 kVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,681.57	195.23
				Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020	EA			1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	2,059.80	219.64
				Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021	EA			2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	2,590.63	244.04
				Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022	EA			3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	4,098.56	292.85
				Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023	EA			5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	5,902.81	390.47
				Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024	EA			6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230).....	7,215.18	439.28
				Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0025	EA			10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	11,081.50	585.70
				Note: Includes 3 minutes of battery backup at full load.		

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0026 Optional Accessories For Single Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0001)</small>		
26 33 53 00-0027 EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT).....	709.90	44.37
Note: Rack mount or tower configuration.		
26 33 53 00-0028 EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	922.55	44.37
Note: Rack mount or tower configuration.		
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	898.88	44.37
Note: Rack mount or tower configuration.		
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	618.30	44.37
Note: Rack mount or tower configuration.		
26 33 53 00-0031 EA Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	997.81	146.43
26 33 53 00-0032 EA Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	1,145.71	195.23
26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
26 33 53 00-0034 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery <small>(26 33 53 00-0033)</small>		
Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035 EA 10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	40,620.46	585.70
26 33 53 00-0036 EA 15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	45,059.10	780.92
26 33 53 00-0037 EA 20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	50,436.04	976.16
26 33 53 00-0038 EA 30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	54,780.85	1,171.39
26 33 53 00-0039 EA 40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	65,881.43	1,366.63
26 33 53 00-0040 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery <small>(26 33 53 00-0033)</small>		
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041 EA 60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	89,601.36	2,329.47
26 33 53 00-0042 EA 80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	97,788.05	2,884.11
26 33 53 00-0043 EA 100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	108,274.77	3,364.80
26 33 53 00-0044 EA 120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	133,316.25	3,808.51
26 33 53 00-0045 EA 140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	138,642.31	4,252.21
26 33 53 00-0046 EA 160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	144,044.69	4,695.93
26 33 53 00-0047 EA 180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	150,573.03	5,139.63
26 33 53 00-0048 EA 200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	157,101.38	5,583.34
26 33 53 00-0049 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery <small>(26 33 53 00-0033)</small>		
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050 EA 50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	83,570.39	1,922.74
26 33 53 00-0051 EA 100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	108,837.75	3,379.58
26 33 53 00-0052 EA 150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	148,261.07	3,904.64
26 33 53 00-0053 EA 200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	174,334.68	4,289.19
26 33 53 00-0054 EA 250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	203,598.52	4,732.90
26 33 53 00-0055 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0033)</small>		
26 33 53 00-0056 EA Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	651.55	73.95
26 33 53 00-0057 EA Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	1,024.64	73.95
26 33 53 00-0058 EA Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	2,049.00	147.91
26 33 53 00-0059 EA Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	6,516.86	591.61
26 33 53 00-0060 EA 12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	619.93	73.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0061 EA 12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	341.54	73.95
26 33 53 00-0062 EA 12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	382.16	73.95
26 33 53 00-0063 EA 12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	422.79	73.95
26 33 53 00-0064 EA 12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	495.91	73.95
26 33 53 00-0065 EA 12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	520.28	73.95
26 33 53 00-0066 EA 12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	646.22	73.95
26 33 53 00-0067 EA 12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	676.69	73.95
26 33 53 00-0068 Other Uninterruptable Power Supply Equipment (26 33 53)		
26 33 53 00-0069 EA Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	6,054.51	135.14
26 33 53 00-0070 EA Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	7,322.08	270.28
26 33 53 00-0071 EA 1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	34.16	8.11
26 33 53 00-0072 EA 2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	60.16	10.13
26 33 53 00-0073 EA 2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	110.03	10.13
26 33 53 00-0074 EA 3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	160.67	13.52
26 33 53 00-0075 EA 3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	226.49	13.52
26 33 53 00-0076 EA Uninterrupted Power Supply Remote Status Panel.....	4,159.68	135.14
26 33 53 00-0077 EA Uninterrupted Power Supply Remote Contact Board.....	1,399.43	101.35
26 35 Power Filters and Conditioners (26 30)		
26 35 33 Power Factor Correction Equipment (26 35)		
26 35 33 16 Low-Voltage Power Factor Correction Equipment (26 35 33)		
26 35 33 16-0001 Power Factor Correction Capacitors (26 35 33 16)		
26 35 33 16-0002 EA Power Factor Correction Capacitors, 2.0 KVAC.....	710.08	
26 35 33 16-0003 EA Power Factor Correction Capacitors, 3.0 KVAC.....	786.43	
26 35 33 16-0004 EA Power Factor Correction Capacitors, 4.0 KVAC.....	862.78	
26 35 33 16-0005 EA Power Factor Correction Capacitors, 5.0 KVAC.....	936.08	
26 35 33 16-0006 EA Power Factor Correction Capacitors, 7.5 KVAC.....	1,149.87	
26 35 33 16-0007 EA Power Factor Correction Capacitors, 10.0 KVAC.....	1,404.89	
26 35 33 16-0008 EA Power Factor Correction Capacitors, 15.0 KVAC.....	2,169.94	
26 35 33 16-0009 EA Power Factor Correction Capacitors, 20.0 KVAC.....	2,635.69	
26 35 33 16-0010 EA Power Factor Correction Capacitors, 25.0 KVAC.....	3,405.33	
26 35 33 16-0011 EA Power Factor Correction Capacitors, 30.0 KVAC.....	3,872.60	
26 35 33 16-0012 EA Power Factor Correction Capacitors, 50.0 KVAC.....	6,795.38	
26 35 33 16-0013 EA Power Factor Correction Capacitors, 75.0 KVAC.....	10,217.50	
26 35 33 16-0014 EA Power Factor Correction Capacitors, 100.0 KVAC.....	13,624.36	
26 35 33 16-0015 EA Power Factor Correction Capacitors, Fuse Kit.....	632.20	
26 35 43 Static-Frequency Converters (26 35)		
26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure (26 35 43)		
26 35 43 00-0002 EA 750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure.....	747.09	147.91
26 35 43 00-0003 EA 2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,280.84	177.48
26 35 43 00-0004 EA 3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,471.34	236.65
26 35 43 00-0005 EA 5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,013.72	295.81
26 35 43 00-0006 EA 7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,764.82	384.55
26 35 43 00-0007 EA 11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,563.74	473.29
26 35 43 00-0008 EA 15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,458.26	562.03
26 35 43 00-0009 EA 21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,418.78	635.98
26 35 43 00-0010 EA 29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	6,306.44	769.09
26 35 43 00-0011 EA 36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	7,215.74	865.24
26 35 43 00-0012 EA 44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	8,125.04	961.37
26 35 43 00-0013 EA 55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	10,077.95	1,161.04
26 35 43 00-0014 EA 74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	13,060.85	1,397.68
26 35 43 00-0015 EA 87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	16,535.36	1,700.88
26 35 43 00-0016 EA 110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	18,928.67	1,989.29
26 35 43 00-0017 EA 125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	24,262.99	2,218.55
26 35 43 00-0018 EA 165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	36,805.11	2,514.35
26 35 43 00-0019 EA 220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	54,605.46	2,810.16
26 35 53 Voltage Regulators (26 35)		
26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)		
Note: For diesel motor generator sets mounted in switchgear cabinet.		
26 35 53 00-0002 EA 50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	7,952.02	2,351.66
26 35 53 00-0003 EA 75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	9,175.79	2,958.06
26 35 53 00-0004 EA 100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	10,302.67	3,520.10

26 Electrical
26 30 Facility Electrical Power Generating and Storing Equipment
26 36 Transfer Switches



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

26 36 Transfer Switches (26 36)

26 36 13 Manual Transfer Switches (26 36)

26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)

26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,437.32	258.83
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,683.16	321.54

26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure

26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	3,450.92	378.03
		<i>For NEMA 3R Enclosure, Add</i>	1,060.50	
		<i>For NEMA 12 Enclosure, Add</i>	998.11	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	3,835.48	453.63
		<i>For NEMA 3R Enclosure, Add</i>	1,060.50	
		<i>For NEMA 12 Enclosure, Add</i>	998.11	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	4,358.42	529.24
		<i>For NEMA 3R Enclosure, Add</i>	1,060.50	
		<i>For NEMA 12 Enclosure, Add</i>	998.11	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	5,393.48	604.84
		<i>For NEMA 3R Enclosure, Add</i>	1,247.64	
		<i>For NEMA 12 Enclosure, Add</i>	998.11	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	6,652.26	680.44
		<i>For NEMA 3R Enclosure, Add</i>	1,247.64	
		<i>For NEMA 12 Enclosure, Add</i>	998.11	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	7,476.05	756.05
		<i>For NEMA 3R Enclosure, Add</i>	1,247.64	
		<i>For NEMA 12 Enclosure, Add</i>	998.11	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	8,312.41	831.65
		<i>For NEMA 3R Enclosure, Add</i>	1,472.21	
		<i>For NEMA 12 Enclosure, Add</i>	1,247.64	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	9,735.56	907.26
		<i>For NEMA 3R Enclosure, Add</i>	1,472.21	
		<i>For NEMA 12 Enclosure, Add</i>	1,247.64	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	12,853.17	1,134.08
		<i>For NEMA 3R Enclosure, Add</i>	1,472.21	
		<i>For NEMA 12 Enclosure, Add</i>	1,247.64	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	14,489.53	1,360.89
		<i>For NEMA 3R Enclosure, Add</i>	1,809.07	
		<i>For NEMA 12 Enclosure, Add</i>	1,746.70	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	19,245.26	1,863.45
		<i>For NEMA 3R Enclosure, Add</i>	1,809.07	
		<i>For NEMA 12 Enclosure, Add</i>	1,746.70	

26 36 23 Automatic Transfer Switches (26 36)

26 36 23 00-0001 Automatic Transfer Switch (26 36 23)

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)

00-0001
 Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,181.93	529.24
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	4,315.27	680.44
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	6,800.05	907.26
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	10,943.01	1,134.08

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	5,082.03	378.03
		<i>For NEMA 3R Enclosure, Add</i>	1,060.50	
		<i>For NEMA 4 Enclosure, Add</i>	1,122.88	
		<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	5,872.63	453.63
		<i>For NEMA 3R Enclosure, Add</i>	1,060.50	
		<i>For NEMA 4 Enclosure, Add</i>	1,122.88	
		<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0010	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	6,465.35	529.24
		<i>For NEMA 3R Enclosure, Add</i>	1,060.50	
		<i>For NEMA 4 Enclosure, Add</i>	1,122.88	
		<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0011	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	7,683.77	604.84
		<i>For NEMA 3R Enclosure, Add</i>	1,247.64	
		<i>For NEMA 4 Enclosure, Add</i>	1,621.93	
		<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0012	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	8,770.64	680.44
		<i>For NEMA 3R Enclosure, Add</i>	1,247.64	
		<i>For NEMA 4 Enclosure, Add</i>	1,621.93	
		<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0013	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	9,680.21	756.05
		<i>For NEMA 3R Enclosure, Add</i>	1,247.64	
		<i>For NEMA 4 Enclosure, Add</i>	1,621.93	
		<i>For NEMA 12 Enclosure, Add</i>	1,122.88	



Electrical	26	26
Facility Electrical Power Generating and Storing Equipment	26 30	
Transfer Switches	26 36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0014 EA 300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	10,127.67	831.65
For NEMA 3R Enclosure, Add	1,472.21	
For NEMA 4 Enclosure, Add	1,746.70	
For NEMA 12 Enclosure, Add	1,247.64	
26 36 23 00-0015 EA 400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400).....	11,443.30	907.26
For NEMA 3R Enclosure, Add	1,472.21	
For NEMA 4 Enclosure, Add	1,746.70	
For NEMA 12 Enclosure, Add	1,247.64	
26 36 23 00-0016 EA 600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	15,648.70	1,134.08
For NEMA 3R Enclosure, Add	1,472.21	
For NEMA 4 Enclosure, Add	1,746.70	
For NEMA 12 Enclosure, Add	1,247.64	
26 36 23 00-0017 EA 800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800).....	17,576.73	1,360.89
For NEMA 3R Enclosure, Add	1,809.07	
For NEMA 4 Enclosure, Add	1,996.23	
For NEMA 12 Enclosure, Add	1,746.70	
26 36 23 00-0018 EA 1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	22,854.04	1,863.45
For NEMA 3R Enclosure, Add	1,809.07	
For NEMA 4 Enclosure, Add	1,996.23	
For NEMA 12 Enclosure, Add	1,746.70	
26 36 23 00-0019 EA 1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	29,560.79	2,018.73
For NEMA 3R Enclosure, Add	3,992.45	
For NEMA 4 Enclosure, Add	2,245.75	
For NEMA 12 Enclosure, Add	1,871.46	
26 36 23 00-0020 EA 1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600).....	31,560.27	2,329.31
For NEMA 3R Enclosure, Add	6,487.71	
For NEMA 4 Enclosure, Add	7,984.88	
For NEMA 12 Enclosure, Add	6,487.71	
26 36 23 00-0021 EA 2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000).....	36,079.39	2,639.88
For NEMA 3R Enclosure, Add	6,487.71	
For NEMA 4 Enclosure, Add	7,984.88	
For NEMA 12 Enclosure, Add	6,487.71	
26 36 23 00-0022 EA 3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000).....	43,592.98	3,261.03
For NEMA 3R Enclosure, Add	6,487.71	
26 36 23 00-0023 EA 4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000).....	75,218.85	3,882.18
For NEMA 3R Enclosure, Add	12,027.21	
26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0025 EA 150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	25,575.25	2,872.99
For NEMA 3R Enclosure, Add	2,183.38	
For NEMA 4 Enclosure, Add	2,245.75	
For NEMA 12 Enclosure, Add	1,185.27	
26 36 23 00-0026 EA 225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	26,703.74	3,024.20
For NEMA 3R Enclosure, Add	2,183.38	
For NEMA 4 Enclosure, Add	2,245.75	
For NEMA 12 Enclosure, Add	1,185.27	
26 36 23 00-0027 EA 260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	27,994.51	3,175.41
For NEMA 3R Enclosure, Add	2,183.38	
For NEMA 4 Enclosure, Add	2,245.75	
For NEMA 12 Enclosure, Add	1,185.27	
26 36 23 00-0028 EA 300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	31,175.44	3,251.02
For NEMA 3R Enclosure, Add	2,183.38	
For NEMA 4 Enclosure, Add	2,245.75	
For NEMA 12 Enclosure, Add	1,185.27	
26 36 23 00-0029 EA 400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	35,880.39	3,326.63
For NEMA 3R Enclosure, Add	2,183.38	
For NEMA 4 Enclosure, Add	2,245.75	
For NEMA 12 Enclosure, Add	1,185.27	
26 36 23 00-0030 EA 600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	42,959.72	3,477.83
For NEMA 3R Enclosure, Add	2,183.38	
For NEMA 4 Enclosure, Add	2,245.75	
For NEMA 12 Enclosure, Add	1,247.64	
26 36 23 00-0031 EA 800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	47,310.72	3,629.04
For NEMA 3R Enclosure, Add	2,245.75	
For NEMA 4 Enclosure, Add	2,245.75	
For NEMA 12 Enclosure, Add	1,372.41	
26 36 23 00-0032 EA 1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	59,369.09	4,233.88
For NEMA 3R Enclosure, Add	2,245.75	
For NEMA 4 Enclosure, Add	2,245.75	
For NEMA 12 Enclosure, Add	1,372.41	
26 36 23 00-0033 EA 1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	77,460.48	4,658.61
For NEMA 3R Enclosure, Add	9,981.09	
For NEMA 4 Enclosure, Add	12,476.36	
For NEMA 12 Enclosure, Add	9,981.09	
26 36 23 00-0034 EA 1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	100,835.74	4,969.19
For NEMA 3R Enclosure, Add	21,209.80	
For NEMA 4 Enclosure, Add	21,209.80	
For NEMA 12 Enclosure, Add	19,762.55	

26 Electrical
26 30 Facility Electrical Power Generating and Storing Equipment
26 36 Transfer Switches



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0035	EA		2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	114,453.66	5,435.06
			<i>For NEMA 3R Enclosure, Add</i>	21,209.80	
			<i>For NEMA 4 Enclosure, Add</i>	21,209.80	
			<i>For NEMA 12 Enclosure, Add</i>	19,762.55	
26 36 23 00-0036	EA		3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	182,552.86	6,211.49
			<i>For NEMA 3R Enclosure, Add</i>	26,200.34	
26 36 23 00-0037	EA		4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	197,103.19	6,987.93
			<i>For NEMA 3R Enclosure, Add</i>	26,200.34	
26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>					
26 36 23 00-0039	EA		40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	8,229.85	378.03
			<i>For NEMA 3R Enclosure, Add</i>	623.82	
			<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0040	EA		70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	8,911.80	453.63
			<i>For NEMA 3R Enclosure, Add</i>	623.82	
			<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0041	EA		125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	9,592.61	529.24
			<i>For NEMA 3R Enclosure, Add</i>	623.82	
			<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0042	EA		150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	11,512.17	604.84
			<i>For Four Pole Circuit Breaker, Add</i>	3,119.09	
			<i>For NEMA 3R Enclosure, Add</i>	623.82	
			<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0043	EA		225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	14,962.19	680.44
			<i>For Four Pole Circuit Breaker, Add</i>	3,119.09	
			<i>For NEMA 3R Enclosure, Add</i>	623.82	
			<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0044	EA		250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	15,938.11	756.05
			<i>For Four Pole Circuit Breaker, Add</i>	3,119.09	
			<i>For NEMA 3R Enclosure, Add</i>	623.82	
			<i>For NEMA 12 Enclosure, Add</i>	1,122.88	
26 36 23 00-0045	EA		300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	16,586.89	831.65
			<i>For Four Pole Circuit Breaker, Add</i>	4,241.96	
			<i>For NEMA 3R Enclosure, Add</i>	1,621.93	
			<i>For NEMA 12 Enclosure, Add</i>	1,247.64	
26 36 23 00-0046	EA		400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	18,761.53	907.26
			<i>For Four Pole Circuit Breaker, Add</i>	4,241.96	
			<i>For NEMA 3R Enclosure, Add</i>	1,621.93	
			<i>For NEMA 12 Enclosure, Add</i>	1,247.64	
26 36 23 00-0047	EA		600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	22,773.62	1,134.08
			<i>For Four Pole Circuit Breaker, Add</i>	4,241.96	
			<i>For NEMA 3R Enclosure, Add</i>	1,621.93	
			<i>For NEMA 12 Enclosure, Add</i>	1,247.64	
26 36 23 00-0048	EA		800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	23,771.72	1,360.89
			<i>For Four Pole Circuit Breaker, Add</i>	6,051.04	
			<i>For NEMA 3R Enclosure, Add</i>	2,794.71	
			<i>For NEMA 12 Enclosure, Add</i>	1,746.70	
26 36 23 00-0049	EA		1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	28,207.18	1,863.45
			<i>For Four Pole Circuit Breaker, Add</i>	6,051.04	
			<i>For NEMA 3R Enclosure, Add</i>	2,794.71	
			<i>For NEMA 12 Enclosure, Add</i>	1,746.70	
26 36 23 00-0050 Accessories <small>(26 36 23)</small>					
26 36 23 00-0051	EA		Auxiliary Contacts For Automatic Transfer Switch.....	289.46	
26 36 23 00-0052	EA		Battery Charger For Automatic Transfer Switch.....	2,370.52	
26 36 23 00-0053	EA		Elevator Relay Signal For Automatic Transfer Switch.....	860.88	

26 40 Electrical And Cathodic Protection (26)

26 43 Surge Protective Devices (26 40)

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits (26 43)

26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)

26 43 13 00-0002	EA		120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	239.55	36.98
------------------	----	--	---	--------	-------



Electrical	26	26
Electrical And Cathodic Protection	26 40	
Surge Protective Devices	26 43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0003 EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	256.35	36.98
26 43 13 00-0004 EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	271.14	44.37
26 43 13 00-0005 EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	219.96	29.58
26 43 13 00-0006 EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	271.14	44.37
26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPL		
26 43 13 00-0008 EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	322.35	36.98
26 43 13 00-0009 EA 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	346.74	44.37
26 43 13 00-0010 EA 208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	331.95	36.98
26 43 13 00-0011 EA 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	346.74	44.37
26 43 13 00-0012 100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPL		
26 43 13 00-0013 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	384.75	36.98
26 43 13 00-0014 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	409.14	44.37
26 43 13 00-0015 EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	355.56	29.58
26 43 13 00-0016 EA 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	409.14	44.37
26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPM		
26 43 13 00-0018 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	449.55	36.98
26 43 13 00-0019 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	508.74	44.37
26 43 13 00-0020 EA 277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	421.56	29.58
26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPM		
26 43 13 00-0022 EA 208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	778.74	44.37
26 43 13 00-0023 EA 208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	763.95	36.98
26 43 13 00-0024 EA 480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	778.74	44.37
26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression (26 43 13) Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026 EA LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	7,672.76	73.95
26 43 13 00-0027 EA Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	9,378.92	73.95
26 43 13 00-0028 Class 1310 Transient Voltage Surge Suppression (26 43 13) Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029 NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028) Note: Square D. EMA series.		
26 43 13 00-0030 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,628.95	192.28
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0031 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,009.22	221.85
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0032 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,812.99	258.83
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0033 EA 320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,700.13	295.81
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0034 EA 480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,373.04	406.74
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0035 EA 120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,780.95	192.28
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0036 EA 160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,176.20	221.85
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0037 EA 240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,070.97	258.83
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0038 EA 320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,035.17	295.81
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0039 EA 480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,890.04	406.74
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0040 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,780.95	192.28
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0041 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,176.20	221.85
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	

26 Electrical
26 40 Electrical And Cathodic Protection
26 43 Surge Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0042	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,070.89 265.68 203.04	258.83
26 43 13 00-0043	EA		320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,035.17 265.68 203.04	295.81
26 43 13 00-0044	EA		480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	11,890.04 265.68 203.04	406.74
26 43 13 00-0045	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,932.99 265.68 203.04	192.28
26 43 13 00-0046	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,345.33 265.68 203.04	221.85
26 43 13 00-0047	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,331.07 265.68 203.04	258.83
26 43 13 00-0048	EA		320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,372.45 265.68 203.04	295.81
26 43 13 00-0049	EA		480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	12,409.15 265.68 203.04	406.74
26 43 13 00-0050	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,109.60 265.68 203.04	192.28
26 43 13 00-0051	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,520.94 265.68 203.04	221.85
26 43 13 00-0052	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,602.95 265.68 203.04	258.83
26 43 13 00-0053	EA		320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,725.68 265.68 203.04	295.81
26 43 13 00-0054	EA		480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	12,218.05 265.68 203.04	406.74
26 43 13 00-0055			NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ⁽²⁶⁾ <small>43 13 00-0028</small> Note: Square D EBA series.		
26 43 13 00-0056	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,858.30 265.68 203.04	192.28
26 43 13 00-0057	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,446.25 265.68 203.04	221.85
26 43 13 00-0058	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,005.92 265.68 203.04	258.83
26 43 13 00-0059	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,945.00 265.68 203.04	192.28
26 43 13 00-0060	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,574.70 265.68 203.04	221.85
26 43 13 00-0061	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,173.97 265.68 203.04	258.83
26 43 13 00-0062	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,945.00 265.68 203.04	192.28
26 43 13 00-0063	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,574.70 265.68 203.04	221.85
26 43 13 00-0064	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,173.97 265.68 203.04	258.83
26 43 13 00-0065	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,055.26 265.68 203.04	192.28
26 43 13 00-0066	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,712.78 265.68 203.04	221.85
26 43 13 00-0067	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,389.12 265.68 203.04	258.83
26 43 13 00-0068	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,170.87 265.68 203.04	192.28
26 43 13 00-0069	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,859.42 265.68 203.04	221.85



Electrical	26	26
Electrical And Cathodic Protection	26 40	
Surge Protective Devices	26 43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0070 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,614.97 265.68 203.04	258.83
26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028) Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,640.48 265.68 203.04	192.28
26 43 13 00-0073 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,020.75 265.68 203.04	221.85
26 43 13 00-0074 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,824.52 265.68 203.04	258.83
26 43 13 00-0075 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,792.48 265.68 203.04	192.28
26 43 13 00-0076 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,187.73 265.68 203.04	221.85
26 43 13 00-0077 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,082.50 265.68 203.04	258.83
26 43 13 00-0078 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,792.48 265.68 203.04	192.28
26 43 13 00-0079 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,187.73 265.68 203.04	221.85
26 43 13 00-0080 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,082.42 265.68 203.04	258.83
26 43 13 00-0081 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,944.51 265.68 203.04	192.28
26 43 13 00-0082 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,356.86 265.68 203.04	221.85
26 43 13 00-0083 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,342.60 265.68 203.04	258.83
26 43 13 00-0084 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,121.13 265.68 203.04	192.28
26 43 13 00-0085 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,532.46 265.68 203.04	221.85
26 43 13 00-0086 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,614.48 265.68 203.04	258.83
26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028) Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,869.83 265.68 203.04	192.28
26 43 13 00-0089 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,457.78 265.68 203.04	221.85
26 43 13 00-0090 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,017.45 265.68 203.04	258.83
26 43 13 00-0091 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,956.53 265.68 203.04	192.28
26 43 13 00-0092 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,586.23 265.68 203.04	221.85
26 43 13 00-0093 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,185.50 265.68 203.04	258.83
26 43 13 00-0094 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,956.53 265.68 203.04	192.28
26 43 13 00-0095 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,586.23 265.68 203.04	221.85
26 43 13 00-0096 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,185.50 265.68 203.04	258.83

26	Electrical
26 40	Electrical And Cathodic Protection
26 43	Surge Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0097	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,066.79 265.68 203.04	192.28
26 43 13 00-0098	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,724.31 265.68 203.04	221.85
26 43 13 00-0099	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,400.65 265.68 203.04	258.83
26 43 13 00-0100	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,182.39 265.68 203.04	192.28
26 43 13 00-0101	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,870.95 265.68 203.04	221.85
26 43 13 00-0102	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,626.50 265.68 203.04	258.83

26 43 23 Surge Protective Devices for Lightning Protection ^(26 43)

26 43 23 00-0001 Surge And Lightning Arrestors ^(26 43 23)

26 43 23 00-0002 Metal Top Intermediate Type IMX ^(26 43 23 00-0001)

Note: For outdoor construction, single phase.

26 43 23 00-0003	EA		3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,267.08	326.31
26 43 23 00-0004	EA		4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,362.66	326.31
26 43 23 00-0005	EA		6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,362.66	326.31
26 43 23 00-0006	EA		7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,540.17	326.31
26 43 23 00-0007	EA		9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,540.17	326.31
26 43 23 00-0008	EA		10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,687.64	326.31
26 43 23 00-0009	EA		12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,687.64	326.31
26 43 23 00-0010	EA		15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,287.74	407.89
26 43 23 00-0011	EA		18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,364.20	407.89
26 43 23 00-0012	EA		21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,614.20	489.46
26 43 23 00-0013	EA		24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,810.83	489.46
26 43 23 00-0014	EA		27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	3,305.12	489.46

26 43 23 00-0015 Porcelain Top Intermediate Type IMX ^(26 43 23 00-0001)

Note: For cubicle mounting, single phase.

26 43 23 00-0016	EA		3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,267.08	326.31
26 43 23 00-0017	EA		4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,362.66	326.31
26 43 23 00-0018	EA		6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,362.66	326.31
26 43 23 00-0019	EA		7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,540.17	326.31
26 43 23 00-0020	EA		9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,540.17	326.31
26 43 23 00-0021	EA		10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,687.64	326.31
26 43 23 00-0022	EA		12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,687.64	326.31
26 43 23 00-0023	EA		15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,287.74	407.89
26 43 23 00-0024	EA		18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,364.20	407.89
26 43 23 00-0025	EA		21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,614.20	489.46
26 43 23 00-0026	EA		24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,810.83	489.46
26 43 23 00-0027	EA		27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	3,305.12	489.46

26 43 23 00-0028 IMX Accessories ^(26 43 23 00-0001)

26 43 23 00-0029	EA		1 Crossarm Bracket Reversible 3-27 KV IMX	1,070.45	326.31
26 43 23 00-0030	EA		Single Unit Horizontal Pole Mounted Bracket (IMX)	1,059.53	326.31
26 43 23 00-0031	EA		3 Unit Horizontal Pole Mounted Bracket (IMX)	977.71	326.31

26 43 23 00-0032 Lightning Arrestor And Cutouts ^(26 43 23 00-0001)

26 43 23 00-0033	EA		3 KV La Distribution Class, Lightning Arrestor	764.59	326.31
26 43 23 00-0034	EA		3 KV La Interior Class, Lightning Arrestor	1,339.83	326.31
26 43 23 00-0035	EA		3 KV La Station Class, Lightning Arrestor	1,267.08	326.31
26 43 23 00-0036	EA		9 KV La Distribution Class, Lightning Arrestor	824.67	326.31
26 43 23 00-0037	EA		9 KV La Interior Class, Lightning Arrestor	1,499.10	326.31
26 43 23 00-0038	EA		9 KV La Station Class, Lightning Arrestor	1,540.17	326.31
26 43 23 00-0039	EA		5 KV Enclosed Fused Cutout	918.07	326.31
26 43 23 00-0040	EA		15 KV Open Fused Cutout	1,015.13	407.89
26 43 23 00-0041	EA		18 KV La Distribution Class, Lightning Arrestor	793.06	326.31
26 43 23 00-0042	EA		18 KV La Interior Class, Lightning Arrestor	1,584.23	326.31

26 50 Lighting ⁽²⁶⁾

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting ^(26 50)

26 51 13 Incandescent Interior Lighting ^(26 51)



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0001 Recessed Fixtures <small>(26 51 13)</small> Note: Housing and trim priced separately.		
26 51 13 00-0002 Incandescent, Recessed Fixture Housings <small>(26 51 13 00-0001)</small>		
26 51 13 00-0003 EA 4" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	89.84 3.38	42.30
26 51 13 00-0004 EA 5" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	89.84 3.38	42.30
26 51 13 00-0005 EA 6" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	95.06 3.68	44.37
26 51 13 00-0006 EA 7" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	100.43 3.99	46.29
26 51 13 00-0007 EA 8" Round, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	105.80 4.30	48.22
26 51 13 00-0008 EA 10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing..... <i>For ICAT Housing, Add</i>	108.85 4.12	51.17
26 51 13 00-0009 Recessed Fixture Trim <small>(26 51 13 00-0001)</small>		
26 51 13 00-0010 EA Circular, Recessed Fixture Trim.....	63.53	20.71
26 51 13 00-0011 EA Circular Clear Lens, Recessed Fixture Trim.....	69.47	20.71
26 51 13 00-0012 EA Open/Baffle, Recessed Fixture Trim.....	79.78	20.71
26 51 13 00-0013 EA Specular Reflector, Recessed Fixture Trim.....	85.24	20.71
26 51 13 00-0014 EA Eyeball, Recessed Fixture Trim.....	69.56	20.71
26 51 13 00-0015 EA 10" To 12" Square, Clear Lens, Recessed Fixture Trim.....	66.37	20.71
26 51 13 00-0016 EA 10" To 12" Square, Drop Dish, Recessed Fixture Trim.....	70.03	20.71
26 51 13 00-0017 Track Lighting <small>(26 51 13)</small>		
26 51 13 00-0018 Track Lighting Tracks <small>(26 51 13 00-0017)</small>		
26 51 13 00-0019 LF 1 Circuit Track Lighting Track.....	26.45	9.76
26 51 13 00-0020 LF 2 Circuit Track Lighting Track.....	33.69	9.76
26 51 13 00-0021 LF 3 Circuit Track Lighting Track.....	39.93	9.76
26 51 13 00-0022 LF 4 Circuit Track Lighting Track.....	46.18	11.83
26 51 13 00-0023 Incandescent Track Lighting Fixtures <small>(26 51 13 00-0017)</small>		
26 51 13 00-0024 EA Incandescent Track Lighting Fixture, 120 Volt.....	81.11	24.70
26 51 13 00-0025 EA Par 20 Track Fixture, White Or Black Finish, 120 Volt.....	65.58	24.70
26 51 13 00-0026 EA Par 30 Track Fixture, White Or Black Finish, 120 Volt.....	87.67	24.70
26 51 13 00-0027 EA Par 38 Track Fixture, White Or Black Finish, 120 Volt.....	89.86	24.70
26 51 13 00-0028 EA PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	75.58	24.70
26 51 13 00-0029 EA PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	65.58	24.70
26 51 13 00-0030 EA PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt..... Note: 120V.	74.53	24.70
26 51 13 00-0031 EA PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	92.05	24.70
26 51 13 00-0032 Track Lighting Accessories <small>(26 51 13 00-0017)</small>		
26 51 13 00-0033 Pendant Mounting <small>(26 51 13 00-0032)</small>		
26 51 13 00-0034 EA Track Lighting Pendant Mounting, Up to 12".....	30.73	
26 51 13 00-0035 EA Track Lighting Pendant Mounting, >12" To 24".....	38.53	
26 51 13 00-0036 EA Track Lighting Pendant Mounting, >24" To 36".....	46.65	
26 51 13 00-0037 Wet Location, Dust Resistant, Vapor Tight Fixtures <small>(26 51 13)</small>		
26 51 13 00-0038 Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0037)</small>		
26 51 13 00-0039 EA 100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	145.82 5.10	59.16
26 51 13 00-0040 EA 200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	163.84 5.10	59.16
26 51 16 Fluorescent Interior Lighting <small>(26 51)</small>		
26 51 16 00-0001 Fluorescent Fixtures <small>(26 51 16)</small>		
26 51 16 00-0002 Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0003 6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0004 EA 1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	174.09	42.30
26 51 16 00-0005 EA 2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	194.03	42.30
26 51 16 00-0006 6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0007 EA 1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	194.22	44.05
26 51 16 00-0008 EA 2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	215.37	44.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0009 1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0010 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	230.66	49.46
26 51 16 00-0011 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	269.69	49.46
26 51 16 00-0012 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	312.61	49.46
26 51 16 00-0013 2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0014 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	195.56	54.05
26 51 16 00-0015 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	222.94	54.05
26 51 16 00-0016 2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0017 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	294.81	62.97
26 51 16 00-0018 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	315.43	62.97
26 51 16 00-0019 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	354.41	62.97
26 51 16 00-0020 Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0001)</small> Note: Includes prismatic lens.		
26 51 16 00-0021 1' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0020)</small>		
26 51 16 00-0022 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	229.50	49.05
26 51 16 00-0023 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	358.94	49.05
26 51 16 00-0024 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	406.48	49.05
26 51 16 00-0025 2' x 2', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0020)</small>		
26 51 16 00-0026 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	349.06	54.05
26 51 16 00-0027 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	379.79	54.05
26 51 16 00-0028 EA 4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	402.21	54.05
26 51 16 00-0029 2' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0020)</small>		
26 51 16 00-0030 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	356.58	62.97
26 51 16 00-0031 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	388.67	62.97
26 51 16 00-0032 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	406.49	62.97
26 51 16 00-0033 EA 6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	433.78	62.97
26 51 16 00-0034 4' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0020)</small>		
26 51 16 00-0035 EA 4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	687.40	81.09
26 51 16 00-0036 EA 6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	698.76	81.09
26 51 16 00-0037 EA 8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	604.92	81.09
26 51 16 00-0038 Recessed Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0039 Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0038)</small>		
26 51 16 00-0040 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0039)</small>		
26 51 16 00-0041 EA 2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	239.60	42.30
For Drywall Or Plaster Ceilings, Add	28.58	
26 51 16 00-0042 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0039)</small>		
26 51 16 00-0043 EA 2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	305.40	49.05
For Drywall Or Plaster Ceilings, Add	33.45	
26 51 16 00-0044 EA 2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	533.41	49.05
For Drywall Or Plaster Ceilings, Add	33.45	
26 51 16 00-0045 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0039)</small>		
26 51 16 00-0046 EA 2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	312.73	54.05
For Drywall Or Plaster Ceilings, Add	36.49	
26 51 16 00-0047 EA 3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	353.47	54.05
For Drywall Or Plaster Ceilings, Add	36.49	
26 51 16 00-0048 EA 4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	358.99	54.05
For Drywall Or Plaster Ceilings, Add	36.50	
26 51 16 00-0049 EA 2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	386.23	54.05
For Drywall Or Plaster Ceilings, Add	36.49	
26 51 16 00-0050 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0039)</small>		
26 51 16 00-0051 EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	308.71	62.97
For Drywall Or Plaster Ceilings, Add	42.57	
26 51 16 00-0052 EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	412.34	62.97
For Drywall Or Plaster Ceilings, Add	42.57	
26 51 16 00-0053 EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	418.02	62.97
For Drywall Or Plaster Ceilings, Add	42.57	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0054 EA 6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	463.29 42.57	62.97
26 51 16 00-0055 EA 2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	406.93 42.57	62.97
26 51 16 00-0056 EA 3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	541.62 42.57	62.97
26 51 16 00-0057 EA 4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	556.94 42.57	62.97
26 51 16 00-0058 Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0059 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0060 EA 1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	271.77 28.58	42.30
26 51 16 00-0061 EA 2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	277.27 28.58	42.30
26 51 16 00-0062 EA 3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	320.45 28.58	42.30
26 51 16 00-0063 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0064 EA 1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	308.32 33.45	49.05
26 51 16 00-0065 EA 2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	314.00 33.45	49.05
26 51 16 00-0066 EA 3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	350.63 33.45	49.05
26 51 16 00-0067 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0068 EA 2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	320.91 36.50	54.05
26 51 16 00-0069 EA 3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	326.42 36.50	54.05
26 51 16 00-0070 EA 4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	368.97 36.50	54.05
26 51 16 00-0071 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0072 EA 2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	308.71 42.57	62.97
26 51 16 00-0073 EA 3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	354.10 42.57	62.97
26 51 16 00-0074 EA 4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	397.30 42.57	62.97
26 51 16 00-0075 EA 6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	446.33 42.57	62.97
26 51 16 00-0076 Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0077 1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)		
26 51 16 00-0078 EA 1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	544.58 33.45	49.05
26 51 16 00-0079 EA 2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	550.26 33.45	49.05
26 51 16 00-0080 EA 1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	643.32 33.45	49.05
26 51 16 00-0081 EA 2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	658.64 33.45	49.05
26 51 16 00-0082 2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)		
26 51 16 00-0083 EA 2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	445.54 36.49	54.05
26 51 16 00-0084 EA 3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	493.86 36.49	54.05
26 51 16 00-0085 EA 2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	601.92 36.49	54.05
26 51 16 00-0086 2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)		
26 51 16 00-0087 EA 2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	498.96 42.57	62.97
26 51 16 00-0088 EA 3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	606.35 42.57	62.97
26 51 16 00-0089 EA 1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	642.30 42.57	62.97
26 51 16 00-0090 EA 2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	706.31 42.57	62.97

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0091 Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0038)</small>		
26 51 16 00-0092 1' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0091)</small>		
26 51 16 00-0093 EA 2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture.....	432.16	49.05
For Drywall Or Plaster Ceilings, Add	33.45	
26 51 16 00-0094 EA 2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture.....	560.15	49.05
For Drywall Or Plaster Ceilings, Add	33.45	
26 51 16 00-0095 2' x 2', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0091)</small>		
26 51 16 00-0096 EA 2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture.....	433.81	54.05
For Drywall Or Plaster Ceilings, Add	36.49	
26 51 16 00-0097 EA 2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture.....	491.04	54.05
For Drywall Or Plaster Ceilings, Add	36.49	
26 51 16 00-0098 2' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0091)</small>		
26 51 16 00-0099 EA 2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture.....	482.68	62.97
For Drywall Or Plaster Ceilings, Add	42.57	
26 51 16 00-0100 EA 2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture.....	483.64	62.97
For Drywall Or Plaster Ceilings, Add	42.57	
26 51 16 00-0101 Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0038)</small>		
26 51 16 00-0102 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0101)</small>		
26 51 16 00-0103 EA 2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture.....	408.09	49.05
For Drywall Or Plaster Ceilings, Add	33.45	
26 51 16 00-0104 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0101)</small>		
26 51 16 00-0105 EA 2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture.....	396.47	54.05
For Drywall Or Plaster Ceilings, Add	36.49	
26 51 16 00-0106 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0101)</small>		
26 51 16 00-0107 EA 2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture.....	474.75	62.97
For Drywall Or Plaster Ceilings, Add	42.57	
26 51 16 00-0108 EA 3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture.....	609.00	62.97
For Drywall Or Plaster Ceilings, Add	42.57	
26 51 16 00-0109 EA 4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture.....	540.59	62.97
For Drywall Or Plaster Ceilings, Add	42.57	
26 51 16 00-0110 Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0038)</small>		
26 51 16 00-0111 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>		
26 51 16 00-0112 EA 2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture.....	390.70	49.05
For Drywall Or Plaster Ceilings, Add	33.45	
26 51 16 00-0113 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>		
26 51 16 00-0114 EA 2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture.....	396.06	54.05
For Drywall Or Plaster Ceilings, Add	36.49	
26 51 16 00-0115 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>		
26 51 16 00-0116 EA 2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture.....	484.51	62.97
For Drywall Or Plaster Ceilings, Add	42.57	
26 51 16 00-0117 EA 3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture.....	493.58	62.97
For Drywall Or Plaster Ceilings, Add	42.57	
26 51 16 00-0118 EA 4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture.....	506.46	62.97
For Drywall Or Plaster Ceilings, Add	42.57	
26 51 16 00-0119 Striplight Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0120 1 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0121 EA 1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	183.64	40.54
26 51 16 00-0122 EA 2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	218.22	40.54
26 51 16 00-0123 EA 3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	218.48	45.00
26 51 16 00-0124 EA 4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	224.37	49.46
26 51 16 00-0125 EA 8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	272.14	58.58



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0126 2 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0127 EA 2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	222.94	45.00
26 51 16 00-0128 EA 3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	231.78	49.46
26 51 16 00-0129 EA 4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	236.81	54.05
26 51 16 00-0130 3 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0131 EA 2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	309.44	45.00
26 51 16 00-0132 EA 3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	304.27	49.46
26 51 16 00-0133 EA 4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	308.43	54.05
26 51 16 00-0134 Display Case Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0135 EA 1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W).....	141.76	44.37
26 51 16 00-0136 EA 1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W).....	175.46	44.37
26 51 16 00-0137 EA 1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W).....	189.96	51.76
26 51 16 00-0138 EA 1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W).....	193.72	51.76
26 51 16 00-0139 Industrial Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0140 1 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0139)</small>		
26 51 16 00-0141 EA 2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	250.24	40.54
26 51 16 00-0142 EA 4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	267.59	49.46
26 51 16 00-0143 EA 8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	466.93	62.97
26 51 16 00-0144 2 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0139)</small>		
26 51 16 00-0145 EA 2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	262.50	45.00
26 51 16 00-0146 EA 4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	280.05	54.05
26 51 16 00-0147 EA 8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	478.30	62.97
26 51 16 00-0148 3 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0139)</small>		
26 51 16 00-0149 EA 2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	273.65	45.00
26 51 16 00-0150 EA 4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	289.97	54.05
26 51 16 00-0151 EA 8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	425.61	62.97
26 51 16 00-0152 4 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0139)</small>		
26 51 16 00-0153 EA 4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	382.11	54.05
26 51 16 00-0154 EA 8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	549.99	62.97
26 51 16 00-0155 Flanged Fluorescent Fixture <small>(26 51 16 00-0001)</small>		
Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156 EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	377.17	81.09
26 51 16 00-0157 EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	439.36	81.09
26 51 16 00-0158 EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	445.04	81.09
26 51 16 00-0159 Undercabinet Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0160 EA 1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	139.18	36.49
26 51 16 00-0161 EA 1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	163.53	44.59
26 51 16 00-0162 EA 2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	161.38	44.59
26 51 16 00-0163 EA 1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	191.32	48.65
26 51 16 00-0164 EA 2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	222.55	56.76
26 51 16 00-0165 Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0166 2' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0165)</small>		
26 51 16 00-0167 EA 1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	226.15	40.54
26 51 16 00-0168 EA 2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	250.83	40.54
26 51 16 00-0169 3' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0165)</small>		
26 51 16 00-0170 EA 1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	256.27	42.57
26 51 16 00-0171 EA 2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	280.06	42.57
26 51 16 00-0172 4' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0165)</small>		
26 51 16 00-0173 EA 1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	252.99	44.59
26 51 16 00-0174 EA 2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	276.79	44.59



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0175		Wall Bracket, Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0176		Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 16 00-0175)</small> Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0177		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 16 00-0176)</small>		
26 51 16 00-0178	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	258.92	68.03
26 51 16 00-0179	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	263.62	68.03
26 51 16 00-0180		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 16 00-0176)</small>		
26 51 16 00-0181	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	331.58	68.03
26 51 16 00-0182	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	338.14	68.03
26 51 16 00-0183		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 16 00-0176)</small>		
26 51 16 00-0184	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	342.85	68.03
26 51 16 00-0185	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	347.54	68.03
26 51 16 00-0186		Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 16 00-0175)</small> Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0187		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 16 00-0186)</small>		
26 51 16 00-0188	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	666.05	68.03
26 51 16 00-0189	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	670.74	68.03
26 51 16 00-0190		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 16 00-0186)</small>		
26 51 16 00-0191	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	525.12	68.03
26 51 16 00-0192	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	531.67	68.03
26 51 16 00-0193		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 16 00-0186)</small>		
26 51 16 00-0194	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	604.98	68.03
26 51 16 00-0195	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	609.68	68.03
26 51 16 00-0196		Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 16 00-0175)</small> Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0197		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 16 00-0196)</small>		
26 51 16 00-0198	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	248.50	68.03
26 51 16 00-0199	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	253.19	68.03
26 51 16 00-0200		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 16 00-0196)</small>		
26 51 16 00-0201	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	250.36	68.03
26 51 16 00-0202	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	256.91	68.03
26 51 16 00-0203		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 16 00-0196)</small>		
26 51 16 00-0204	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	240.51	68.03
26 51 16 00-0205	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	245.20	68.03
26 51 16 00-0206		Low Occupancy, Industrial Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0207	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	291.55	49.46
26 51 16 00-0208	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	298.32	54.05
26 51 16 00-0209		Ceiling Mounted Fluorescent Fixtures <small>(26 51 16)</small>		
26 51 16 00-0210		Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures <small>(26 51 16 00-0209)</small>		
26 51 16 00-0211		Glass Globe, Compact Fluorescent/Incandescent Fixtures <small>(26 51 16 00-0210)</small>		
26 51 16 00-0212	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture.....	158.96	59.16
26 51 16 00-0213	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	182.98	59.16
26 51 16 00-0214		Ceiling Mounted, Circline Fluorescent Fixtures <small>(26 51 16 00-0209)</small>		
26 51 16 00-0215		Exposed Lamps, Circline Fluorescent Fixtures <small>(26 51 16 00-0214)</small>		
26 51 16 00-0216	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	140.67	59.16
26 51 16 00-0217	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	152.37	59.16
26 51 16 00-0218		Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures <small>(26 51 16 00-0214)</small>		
26 51 16 00-0219	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	190.79	59.16



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0220 EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	256.91	59.16
26 51 16 00-0221 EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	302.72	59.16
26 51 16 00-0222 EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	212.21	59.16
26 51 16 00-0223 EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	258.26	59.16
26 51 16 00-0224 EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	302.72	59.16
26 51 16 00-0225 Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0209)		
26 51 16 00-0226 Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0225)		
26 51 16 00-0227 EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	195.90	59.16
26 51 16 00-0228 EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	241.18	59.16
26 51 16 00-0229 EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	282.34	59.16
26 51 16 00-0230 EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	161.99	59.16
26 51 16 00-0231 EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	187.21	59.16
26 51 16 00-0232 EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	235.00	59.16
26 51 16 00-0233 Pendant Mounted, Compact Fluorescent/Incandescent Downlights (26 51 16 00-0209)		
26 51 16 00-0234 Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights (26 51 16 00-0233)		
26 51 16 00-0235 EA 6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	278.64	48.60
26 51 16 00-0236 Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle (26 51 16 00-0233)		
26 51 16 00-0237 EA 6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	315.20	48.60
26 51 16 00-0238 EA 8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	433.15	48.60
26 51 16 00-0239 Pendant Mounted, Horizontal Indirect Fluorescent Fixtures (26 51 16 00-0209)		
26 51 16 00-0240 EA 1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	306.44	48.60
26 51 16 00-0241 EA 2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	323.78	48.60
26 51 16 00-0242 EA 3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	384.54	48.60
26 51 16 00-0243 EA 2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	400.76	48.60
26 51 16 00-0244 EA 4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	474.91	48.60
26 51 16 00-0245 EA 6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	562.87	48.60
26 51 16 00-0246 Finelite Fluorescent Fixtures (26 51 16 00-0209)		
26 51 16 00-0247 Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) (26 51 16 00-0246)		
26 51 16 00-0248 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	517.86	68.92
26 51 16 00-0249 EA 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	514.98	68.92
26 51 16 00-0250 EA 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	554.87	68.92
26 51 16 00-0251 EA 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	620.29	68.92
26 51 16 00-0252 EA 2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	677.09	68.92
26 51 16 00-0253 EA 3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	827.97	68.92
26 51 16 00-0254 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	731.74	71.88
26 51 16 00-0255 EA 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	751.65	71.88
26 51 16 00-0256 EA 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	831.43	71.88
26 51 16 00-0257 EA 2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	799.78	71.88
26 51 16 00-0258 EA 4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	998.91	71.88
26 51 16 00-0259 EA 6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,172.38	71.88
26 51 16 00-0260 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	962.73	74.84
26 51 16 00-0261 EA 6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	996.87	74.84
26 51 16 00-0262 EA 9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,099.43	74.84
26 51 16 00-0263 EA 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,107.55	74.84
26 51 16 00-0264 EA 6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,363.48	74.84
26 51 16 00-0265 EA 9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,627.96	74.84



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0266			Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) <small>(26 51 16 00-0246)</small>		
26 51 16 00-0267	EA		1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	452.21	68.92
26 51 16 00-0268	EA		1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	490.32	68.92
26 51 16 00-0269	EA		1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	488.65	68.92
26 51 16 00-0270	EA		2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	649.22	71.88
26 51 16 00-0271	EA		2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	694.04	71.88
26 51 16 00-0272	EA		2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	690.71	71.88
26 51 16 00-0273	EA		3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	846.24	74.84
26 51 16 00-0274	EA		3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	960.56	74.84
26 51 16 00-0275	EA		3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	955.56	74.84
26 51 16 00-0276			Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) <small>(26 51 16 00-0246)</small>		
26 51 16 00-0277	EA		1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	353.66	68.92
26 51 16 00-0278	EA		2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	371.38	68.92
26 51 16 00-0279	EA		3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	433.22	68.92
26 51 16 00-0280	EA		2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	452.56	71.88
26 51 16 00-0281	EA		4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	528.11	71.88
26 51 16 00-0282	EA		6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	617.70	71.88
26 51 16 00-0283	EA		3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	611.64	74.84
26 51 16 00-0284	EA		6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	741.01	74.84
26 51 16 00-0285	EA		9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	878.40	74.84
26 51 16 00-0286			Fluorescent, Recessed Fixture Housings <small>(26 51 16)</small>		
26 51 16 00-0287	EA		4" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	131.50	42.30
			<i>For ICAT Housing, Add</i>	8.76	
26 51 16 00-0288	EA		5" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	135.20	42.30
			<i>For ICAT Housing, Add</i>	9.24	
26 51 16 00-0289	EA		6" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	140.97	44.22
			<i>For ICAT Housing, Add</i>	9.60	
26 51 16 00-0290	EA		7" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	147.99	45.85
			<i>For ICAT Housing, Add</i>	10.12	
26 51 16 00-0291	EA		8" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	154.26	48.22
			<i>For ICAT Housing, Add</i>	10.55	
26 51 16 00-0292	EA		10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing.....	160.38	51.17
			<i>For ICAT Housing, Add</i>	10.77	
26 51 16 00-0293			Compact Fluorescent, Recessed Fixture Housings <small>(26 51 16)</small>		
26 51 16 00-0294	EA		4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	147.42	42.30
			<i>For ICAT Housing, Add</i>	10.81	
26 51 16 00-0295	EA		5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	151.07	42.30
			<i>For ICAT Housing, Add</i>	11.28	
26 51 16 00-0296	EA		6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	156.95	44.37
			<i>For ICAT Housing, Add</i>	11.66	
26 51 16 00-0297	EA		7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	161.88	46.29
			<i>For ICAT Housing, Add</i>	11.91	
26 51 16 00-0298	EA		8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	167.39	48.22
			<i>For ICAT Housing, Add</i>	12.24	
26 51 16 00-0299	EA		10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	173.23	51.17
			<i>For ICAT Housing, Add</i>	12.43	
26 51 16 00-0300			Fluorescent Track Lighting Fixtures <small>(26 51 16)</small>		
26 51 16 00-0301	EA		2L 18W BX Track Fixture, Electronic Ballast.....	298.22	24.70
			Note: White or Black Finish, 120V.		
26 51 16 00-0302	EA		2L 39W BX Track Fixture, Electronic Ballast.....	306.98	24.70
			Note: White or Black Finish, 120V.		
26 51 16 00-0303	EA		2L 40W BX Track Fixture, Electronic Ballast.....	312.45	24.70
			Note: White or Black Finish, 120V.		
26 51 16 00-0304	EA		2L 50W BX Track Fixture, Electronic Ballast.....	201.24	24.70
			Note: White or Black Finish, 120V.		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0305 EA 2L, 55 Watt BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	334.44	24.70
26 51 16 00-0306 Compact Fluorescent Track Lighting Fixtures (26 51 16)		
26 51 16 00-0307 EA Compact Fluorescent Track Lighting Fixture	93.11	24.70
26 51 16 00-0308 Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 16)		
26 51 16 00-0309 EA 13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	155.12 6.02	59.16
26 51 16 00-0310 EA 22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	158.66 6.02	59.16
26 51 16 00-0311 EA 28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	167.42 6.02	59.16
26 51 16 00-0312 Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16)		
26 51 16 00-0313 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16 00-0312)		
26 51 16 00-0314 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) (26 51 16 00-0313) Note: Includes high impact acrylic molded lens.		
26 51 16 00-0315 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) <i>For T5 Fixture Instead Of T8, Add</i>	288.31 22.18	62.97
26 51 16 00-0316 EA 2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) <i>For T5 Fixture Instead Of T8, Add</i>	300.90 23.62	62.97
26 51 16 00-0317 EA 3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) <i>For T5 Fixture Instead Of T8, Add</i>	432.48 40.98	62.97
26 51 16 00-0318 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	397.52	62.97
26 51 16 00-0319 EA 2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	620.99	62.97
26 51 16 00-0320 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day- Brite V2W) (26 51 16 00-0313) Note: Includes high impact acrylic molded lens.		
26 51 16 00-0321 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	371.65	62.97
26 51 16 00-0322 EA 2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	375.64	62.97
26 51 16 00-0323 EA 3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	540.09	62.97
26 51 16 00-0324 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	450.48	62.97
26 51 16 00-0325 EA 2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	470.18	62.97
26 51 16 00-0326 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16 00-0312) Note: Includes high impact acrylic molded lens.		
26 51 16 00-0327 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) (26 51 16 00-0326) Note: Includes high impact acrylic molded lens.		
26 51 16 00-0328 EA 2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW) <i>For T5 Fixture Instead Of T8, Add</i>	525.06 45.42	85.55
26 51 16 00-0329 EA 4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)..... <i>For T5 Fixture Instead Of T8, Add</i>	545.02 47.70	85.55
26 51 16 00-0330 High Bay Fluorescent Fixtures (26 51 16)		
26 51 16 00-0331 (T8) Fluorescent, High Bay Fixtures (26 51 16 00-0330)		
26 51 16 00-0332 (T8) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0331) Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0333 EA 2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	531.93 40.50 47.75 54.00	137.84
26 51 16 00-0334 EA 3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	558.51 40.50 47.75 54.00	152.71
26 51 16 00-0335 EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	632.89 40.50 47.75 54.00	174.33
26 51 16 00-0336 EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	751.59 40.50 47.75 54.00	183.65

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0337	EA		8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	814.86	192.17
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0338	EA		4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	484.21	174.33
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0339	EA		6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	509.07	183.65
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0340	EA		8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	576.56	192.17
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0341			(T5HO) Fluorescent, High Bay Fixtures <small>(26 51 16 00-0330)</small>		
26 51 16 00-0342			(T5HO) Fluorescent, High Bay Fixtures (Lithonia) <small>(26 51 16 00-0341)</small>		
			Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0343	EA		2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	536.89	137.84
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0344	EA		3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	563.28	152.71
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0345	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	641.10	174.33
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0346	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	768.81	183.65
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0347	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	507.00	174.33
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0348	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	555.11	183.65
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0349	EA		8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	640.57	192.17
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 19			LED Interior Lighting <small>(26 51)</small>		
26 51 19 00-0001			LED Fixtures <small>(26 51 19)</small>		
26 51 19 00-0002			Undercabinet LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0003	EA		12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6).....	165.43	36.49
			<i>For >50 To 100, Deduct</i>	-5.66	
			<i>For >100 To 250, Deduct</i>	-9.79	
			<i>For >250 To 500, Deduct</i>	-16.54	
			<i>For >500, Deduct</i>	-23.29	
26 51 19 00-0004	EA		18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6).....	206.57	44.59
			<i>For >50 To 100, Deduct</i>	-7.02	
			<i>For >100 To 250, Deduct</i>	-12.19	
			<i>For >250 To 500, Deduct</i>	-20.66	
			<i>For >500, Deduct</i>	-29.13	
26 51 19 00-0005	EA		24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6).....	215.64	44.59
			<i>For >50 To 100, Deduct</i>	-7.25	
			<i>For >100 To 250, Deduct</i>	-12.64	
			<i>For >250 To 500, Deduct</i>	-21.56	
			<i>For >500, Deduct</i>	-30.49	
26 51 19 00-0006	EA		24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30).....	169.90	36.49
			<i>For >50 To 100, Deduct</i>	-5.77	
			<i>For >100 To 250, Deduct</i>	-10.02	
			<i>For >250 To 500, Deduct</i>	-16.99	
			<i>For >500, Deduct</i>	-23.96	
26 51 19 00-0007			Surface Mount Linear/Striplight LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0008			Striplight LED Fixtures (Lithonia ZL) <small>(26 51 19 00-0007)</small>		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0009	EA	3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1).....	230.37	40.54
			<i>For >50 To 100, Deduct</i>	-7.28	
			<i>For >100 To 250, Deduct</i>	-13.04	
			<i>For >250 To 500, Deduct</i>	-23.04	
			<i>For >500, Deduct</i>	-33.04	
26 51	19 00-0010	EA	2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1).....	243.88	49.46
			<i>For >50 To 100, Deduct</i>	-7.96	
			<i>For >100 To 250, Deduct</i>	-14.05	
			<i>For >250 To 500, Deduct</i>	-24.39	
			<i>For >500, Deduct</i>	-34.72	
26 51	19 00-0011	EA	1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	243.03	40.54
			<i>For >50 To 100, Deduct</i>	-7.60	
			<i>For >100 To 250, Deduct</i>	-13.67	
			<i>For >250 To 500, Deduct</i>	-24.30	
			<i>For >500, Deduct</i>	-34.93	
26 51	19 00-0012	EA	2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	256.54	49.46
			<i>For >50 To 100, Deduct</i>	-8.27	
			<i>For >100 To 250, Deduct</i>	-14.69	
			<i>For >250 To 500, Deduct</i>	-25.65	
			<i>For >500, Deduct</i>	-36.62	
26 51	19 00-0013	EA	4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	315.67	49.46
			<i>For >50 To 100, Deduct</i>	-9.75	
			<i>For >100 To 250, Deduct</i>	-17.64	
			<i>For >250 To 500, Deduct</i>	-31.57	
			<i>For >500, Deduct</i>	-45.49	
26 51	19 00-0014		Striplight LED Fixtures (Mobern) <small>(26 51 19 00-0007)</small>		
26 51	19 00-0015	EA	1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30).....	224.98	40.54
			<i>For >50 To 100, Deduct</i>	-7.15	
			<i>For >100 To 250, Deduct</i>	-12.77	
			<i>For >250 To 500, Deduct</i>	-22.50	
			<i>For >500, Deduct</i>	-32.23	
26 51	19 00-0016		Striplight LED Fixtures (Eaton) <small>(26 51 19 00-0007)</small>		
26 51	19 00-0017	EA	2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U).....	285.51	49.46
			<i>For >50 To 100, Deduct</i>	-9.00	
			<i>For >100 To 250, Deduct</i>	-16.13	
			<i>For >250 To 500, Deduct</i>	-28.55	
			<i>For >500, Deduct</i>	-40.97	
26 51	19 00-0018	EA	2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U).....	270.11	49.46
			<i>For >50 To 100, Deduct</i>	-8.61	
			<i>For >100 To 250, Deduct</i>	-15.36	
			<i>For >250 To 500, Deduct</i>	-27.01	
			<i>For >500, Deduct</i>	-38.66	
26 51	19 00-0019	EA	2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U).....	285.51	49.46
			<i>For >50 To 100, Deduct</i>	-9.00	
			<i>For >100 To 250, Deduct</i>	-16.13	
			<i>For >250 To 500, Deduct</i>	-28.55	
			<i>For >500, Deduct</i>	-40.97	
26 51	19 00-0020		Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51	19 00-0021		Prismatic Lensed, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
26 51	19 00-0022		Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 19 00-0021)</small>		
26 51	19 00-0023	EA	1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4).....	587.61	49.05
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	47.96	
			<i>For >50 To 100, Deduct</i>	-16.55	
			<i>For >100 To 250, Deduct</i>	-31.24	
			<i>For >250 To 500, Deduct</i>	-58.76	
			<i>For >500, Deduct</i>	-86.28	
26 51	19 00-0024	EA	2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2).....	333.72	54.05
			<i>For Drywall Or Plaster Ceilings, Add</i>	36.49	
			<i>For >50 To 100, Deduct</i>	-10.37	
			<i>For >100 To 250, Deduct</i>	-18.71	
			<i>For >250 To 500, Deduct</i>	-33.37	
			<i>For >500, Deduct</i>	-48.03	
26 51	19 00-0025	EA	2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4).....	596.84	62.97
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	53.49	
			<i>For >50 To 100, Deduct</i>	-17.29	
			<i>For >100 To 250, Deduct</i>	-32.21	
			<i>For >250 To 500, Deduct</i>	-59.68	
			<i>For >500, Deduct</i>	-87.16	
26 51	19 00-0026		Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) <small>(26 51 19 00-0021)</small>		

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0027	EA	1' x 4'	3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4).....	840.11	49.05
			<i>For >50 To 100, Deduct</i>	-22.86	
			<i>For >100 To 250, Deduct</i>	-43.86	
			<i>For >250 To 500, Deduct</i>	-84.01	
			<i>For >500, Deduct</i>	-124.16	
26 51 19 00-0028	EA	2' x 2'	3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5).....	596.17	54.05
			<i>For >50 To 100, Deduct</i>	-16.93	
			<i>For >100 To 250, Deduct</i>	-31.84	
			<i>For >250 To 500, Deduct</i>	-59.62	
			<i>For >500, Deduct</i>	-87.40	
26 51 19 00-0029	EA	2' x 4'	4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4).....	774.64	62.97
			<i>For >50 To 100, Deduct</i>	-21.73	
			<i>For >100 To 250, Deduct</i>	-41.10	
			<i>For >250 To 500, Deduct</i>	-77.46	
			<i>For >500, Deduct</i>	-113.83	
26 51 19 00-0030			Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) <small>(26 51 19 00-0021)</small>		
26 51 19 00-0031	EA	2,591 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	397.75	54.05
			<i>For >50 To 100, Deduct</i>	-11.97	
			<i>For >100 To 250, Deduct</i>	-21.91	
			<i>For >250 To 500, Deduct</i>	-39.78	
			<i>For >500, Deduct</i>	-57.64	
26 51 19 00-0032	EA	3,883 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	438.61	54.05
			<i>For >50 To 100, Deduct</i>	-12.99	
			<i>For >100 To 250, Deduct</i>	-23.96	
			<i>For >250 To 500, Deduct</i>	-43.86	
			<i>For >500, Deduct</i>	-63.76	
26 51 19 00-0033	EA	3,700 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40).....	375.28	54.05
			<i>For >50 To 100, Deduct</i>	-11.41	
			<i>For >100 To 250, Deduct</i>	-20.79	
			<i>For >250 To 500, Deduct</i>	-37.53	
			<i>For >500, Deduct</i>	-54.26	
26 51 19 00-0034	EA	4,200 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45).....	375.28	54.05
			<i>For >50 To 100, Deduct</i>	-11.41	
			<i>For >100 To 250, Deduct</i>	-20.79	
			<i>For >250 To 500, Deduct</i>	-37.53	
			<i>For >500, Deduct</i>	-54.26	
26 51 19 00-0035	EA	4,600 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50).....	401.84	54.05
			<i>For >50 To 100, Deduct</i>	-12.07	
			<i>For >100 To 250, Deduct</i>	-22.12	
			<i>For >250 To 500, Deduct</i>	-40.18	
			<i>For >500, Deduct</i>	-58.25	
26 51 19 00-0036			Volumetric, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
26 51 19 00-0037			Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 19 00-0036)</small>		
26 51 19 00-0038	EA	1' x 4'	3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4).....	508.53	49.05
			<i>For Drywall Or Plaster Ceilings, Add</i>	33.45	
			<i>For >50 To 100, Deduct</i>	-14.57	
			<i>For >100 To 250, Deduct</i>	-27.28	
			<i>For >250 To 500, Deduct</i>	-50.85	
			<i>For >500, Deduct</i>	-74.42	
26 51 19 00-0039	EA	1' x 4'	4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4).....	647.65	49.05
			<i>For Drywall Or Plaster Ceilings, Add</i>	33.45	
			<i>For >50 To 100, Deduct</i>	-18.05	
			<i>For >100 To 250, Deduct</i>	-34.24	
			<i>For >250 To 500, Deduct</i>	-64.77	
			<i>For >500, Deduct</i>	-95.29	
26 51 19 00-0040	EA	2' x 2'	2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	509.26	54.05
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	45.74	
			<i>For >50 To 100, Deduct</i>	-14.76	
			<i>For >100 To 250, Deduct</i>	-27.49	
			<i>For >250 To 500, Deduct</i>	-50.93	
			<i>For >500, Deduct</i>	-74.36	
26 51 19 00-0041	EA	2' x 2'	3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	581.99	54.05
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	49.37	
			<i>For >50 To 100, Deduct</i>	-16.58	
			<i>For >100 To 250, Deduct</i>	-31.13	
			<i>For >250 To 500, Deduct</i>	-58.20	
			<i>For >500, Deduct</i>	-85.27	
26 51 19 00-0042	EA	2' x 2'	4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	640.18	54.05
			<i>For >50 To 100, Deduct</i>	-18.03	
			<i>For >100 To 250, Deduct</i>	-34.04	
			<i>For >250 To 500, Deduct</i>	-64.02	
			<i>For >500, Deduct</i>	-94.00	
26 51 19 00-0043	EA	2' x 4'	4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4).....	653.69	62.97
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	56.33	
			<i>For >50 To 100, Deduct</i>	-18.71	
			<i>For >100 To 250, Deduct</i>	-35.05	
			<i>For >250 To 500, Deduct</i>	-65.37	
			<i>For >500, Deduct</i>	-95.69	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0044 EA 2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	711.87 59.24 -20.16 -37.96 -71.19 -104.42	62.97
26 51 19 00-0045 EA 2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	769.73 62.14 -21.61 -40.85 -76.97 -113.09	62.97
26 51 19 00-0046 EA 2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2) <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	450.76 42.81 -13.30 -24.57 -45.08 -65.59	54.05
26 51 19 00-0047 EA 2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2) <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	523.48 46.45 -15.11 -28.20 -52.35 -76.49	54.05
26 51 19 00-0048 EA 2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2) <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	567.11 48.63 -16.21 -30.38 -56.71 -83.04	54.05
26 51 19 00-0049 EA 2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4) <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	566.09 51.95 -16.52 -30.67 -56.61 -82.55	62.97
26 51 19 00-0050 EA 2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4) <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	595.50 53.43 -17.25 -32.14 -59.55 -86.96	62.97
26 51 19 00-0051 EA 2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4) <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	653.36 56.32 -18.70 -35.03 -65.34 -95.64	62.97
26 51 19 00-0052 Architectural, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
26 51 19 00-0053 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 19 00-0052)</small> Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0054 EA 2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	377.88 42.54 -11.81 -21.26 -37.79 -54.32	62.97
26 51 19 00-0055 EA 4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	438.22 45.56 -13.32 -24.28 -43.82 -63.37	62.97
26 51 19 00-0056 EA 6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	492.53 48.28 -14.68 -26.99 -49.25 -71.51	62.97
26 51 19 00-0057 Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) <small>(26 51 19 00-0052)</small> Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0058 EA 1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	411.67	62.97
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	148.70	
For Surface Mount, Add	209.68	
For >50 To 100, Deduct	-12.66	
For >100 To 250, Deduct	-22.95	
For >250 To 500, Deduct	-41.17	
For >500, Deduct	-59.39	
26 51 19 00-0059 EA 1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	441.57	62.97
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	148.70	
For Surface Mount, Add	209.68	
For >50 To 100, Deduct	-13.40	
For >100 To 250, Deduct	-24.44	
For >250 To 500, Deduct	-44.16	
For >500, Deduct	-63.87	
26 51 19 00-0060 EA 1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	441.57	62.97
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	148.70	
For Surface Mount, Add	209.68	
For >50 To 100, Deduct	-13.40	
For >100 To 250, Deduct	-24.44	
For >250 To 500, Deduct	-44.16	
For >500, Deduct	-63.87	
26 51 19 00-0061 EA 1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	485.70	62.97
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	148.70	
For Surface Mount, Add	209.68	
For >50 To 100, Deduct	-14.51	
For >100 To 250, Deduct	-26.65	
For >250 To 500, Deduct	-48.57	
For >500, Deduct	-70.49	
26 51 19 00-0062 EA 2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™).....	381.25	54.05
Note: CCT 30K to 50K		
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	129.49	
For Surface Mount, Add	197.02	
For >50 To 100, Deduct	-11.56	
For >100 To 250, Deduct	-21.09	
For >250 To 500, Deduct	-38.13	
For >500, Deduct	-55.16	
26 51 19 00-0063 EA 2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™).....	361.15	54.05
Note: CCT 30K to 50K		
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	129.49	
For Surface Mount, Add	197.02	
For >50 To 100, Deduct	-11.06	
For >100 To 250, Deduct	-20.08	
For >250 To 500, Deduct	-36.12	
For >500, Deduct	-52.15	
26 51 19 00-0064 EA 2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™).....	428.25	62.97
Note: CCT 30K to 50K		
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	151.54	
For Surface Mount, Add	228.19	
For >50 To 100, Deduct	-13.07	
For >100 To 250, Deduct	-23.78	
For >250 To 500, Deduct	-42.83	
For >500, Deduct	-61.87	
26 51 19 00-0065 EA 2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™).....	441.57	62.97
Note: CCT 30K to 50K		
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	151.54	
For Surface Mount, Add	228.19	
For >50 To 100, Deduct	-13.40	
For >100 To 250, Deduct	-24.44	
For >250 To 500, Deduct	-44.16	
For >500, Deduct	-63.87	
26 51 19 00-0066 EA 2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™).....	441.57	62.97
Note: CCT 30K to 50K		
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	151.54	
For Surface Mount, Add	228.19	
For >50 To 100, Deduct	-13.40	
For >100 To 250, Deduct	-24.44	
For >250 To 500, Deduct	-44.16	
For >500, Deduct	-63.87	
26 51 19 00-0067 EA 2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™).....	554.03	62.97
Note: CCT 30K to 50K		
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	151.54	
For Surface Mount, Add	228.19	
For >50 To 100, Deduct	-16.22	
For >100 To 250, Deduct	-30.07	
For >250 To 500, Deduct	-55.40	
For >500, Deduct	-80.74	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0068 EA 2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™).....	485.70	62.97
Note: CCT 30K to 50K		
For Expanded Size Junction Box For Through Wiring, Add	3.99	
For Drywall Or Plaster Ceilings, Add	151.54	
For Surface Mount, Add	228.19	
For >50 To 100, Deduct	-14.51	
For >100 To 250, Deduct	-26.65	
For >250 To 500, Deduct	-48.57	
For >500, Deduct	-70.49	
26 51 19 00-0069 Architectural, Lay-In/Troffer LED Fixtures (Metalux®) (26 51 19 00-0052)		
Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0070 EA 2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	274.42	54.05
For >50 To 100, Deduct	-8.89	
For >100 To 250, Deduct	-15.75	
For >250 To 500, Deduct	-27.44	
For >500, Deduct	-39.14	
26 51 19 00-0071 EA 2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	360.88	62.97
For >50 To 100, Deduct	-11.39	
For >100 To 250, Deduct	-20.41	
For >250 To 500, Deduct	-36.09	
For >500, Deduct	-51.77	
26 51 19 00-0072 Architectural, Lay-In/Troffer LED Fixtures (Finelite) (26 51 19 00-0052)		
Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0073 EA 2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2).....	398.30	54.05
For >50 To 100, Deduct	-11.98	
For >100 To 250, Deduct	-21.94	
For >250 To 500, Deduct	-39.83	
For >500, Deduct	-57.72	
26 51 19 00-0074 EA 2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2).....	537.17	63.51
For >50 To 100, Deduct	-15.79	
For >100 To 250, Deduct	-29.22	
For >250 To 500, Deduct	-53.72	
For >500, Deduct	-78.21	
26 51 19 00-0075 Shadow Box Style, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0076 Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) (26 51 19 00-0075)		
26 51 19 00-0077 EA 2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2).....	624.03	54.05
For Drywall Or Plaster Ceilings, Add	36.49	
For >50 To 100, Deduct	-17.63	
For >100 To 250, Deduct	-33.23	
For >250 To 500, Deduct	-62.40	
For >500, Deduct	-91.58	
26 51 19 00-0078 EA 2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4).....	848.44	62.97
For Drywall Or Plaster Ceilings With Frame Kit, Add	66.07	
For >50 To 100, Deduct	-23.58	
For >100 To 250, Deduct	-44.79	
For >250 To 500, Deduct	-84.84	
For >500, Deduct	-124.90	
26 51 19 00-0079 Panel Type, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0080 Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) (26 51 19 00-0079)		
26 51 19 00-0081 EA 1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34).....	433.25	62.97
For >50 To 100, Deduct	-13.20	
For >100 To 250, Deduct	-24.03	
For >250 To 500, Deduct	-43.33	
For >500, Deduct	-62.62	
26 51 19 00-0082 EA 2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34).....	449.48	62.97
For >50 To 100, Deduct	-13.60	
For >100 To 250, Deduct	-24.84	
For >250 To 500, Deduct	-44.95	
For >500, Deduct	-65.06	
26 51 19 00-0083 EA 2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40).....	556.95	62.97
For >50 To 100, Deduct	-16.29	
For >100 To 250, Deduct	-30.21	
For >250 To 500, Deduct	-55.70	
For >500, Deduct	-81.18	
26 51 19 00-0084 EA 2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52).....	556.95	62.97
For >50 To 100, Deduct	-16.29	
For >100 To 250, Deduct	-30.21	
For >250 To 500, Deduct	-55.70	
For >500, Deduct	-81.18	
26 51 19 00-0085 Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) (26 51 19 00-0079)		

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0086	EA		1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH).....	237.28	62.97
			<i>For Surface Mounting Kit (Sylvania SMKIT1A/14A/WH), Add</i>	53.30	
			<i>For >50 To 100, Deduct</i>	-8.30	
			<i>For >100 To 250, Deduct</i>	-14.23	
			<i>For >250 To 500, Deduct</i>	-23.73	
			<i>For >500, Deduct</i>	-33.23	
26 51 19 00-0087	EA		2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH).....	244.23	62.97
			<i>For >50 To 100, Deduct</i>	-8.47	
			<i>For >100 To 250, Deduct</i>	-14.58	
			<i>For >250 To 500, Deduct</i>	-24.42	
			<i>For >500, Deduct</i>	-34.27	
26 51 19 00-0088	EA		2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH).....	247.41	62.97
			<i>For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)</i>	66.63	
			<i>For >50 To 100, Deduct</i>	-8.55	
			<i>For >100 To 250, Deduct</i>	-14.74	
			<i>For >250 To 500, Deduct</i>	-24.74	
			<i>For >500, Deduct</i>	-34.75	
26 51 19 00-0089	EA		2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH).....	547.67	62.97
			<i>For >50 To 100, Deduct</i>	-16.06	
			<i>For >100 To 250, Deduct</i>	-29.75	
			<i>For >250 To 500, Deduct</i>	-54.77	
			<i>For >500, Deduct</i>	-79.79	
26 51 19 00-0090			Surface Mount LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0091			Surface Mount, Volumetric LED Fixtures (Lithonia STL) <small>(26 51 19 00-0090)</small>		
26 51 19 00-0092	EA		2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2).....	326.00	40.54
			<i>For >50 To 100, Deduct</i>	-9.67	
			<i>For >100 To 250, Deduct</i>	-17.82	
			<i>For >250 To 500, Deduct</i>	-32.60	
			<i>For >500, Deduct</i>	-47.38	
26 51 19 00-0093	EA		4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	327.88	49.46
			<i>For >50 To 100, Deduct</i>	-10.06	
			<i>For >100 To 250, Deduct</i>	-18.25	
			<i>For >250 To 500, Deduct</i>	-32.79	
			<i>For >500, Deduct</i>	-47.32	
26 51 19 00-0094	EA		4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	333.16	49.46
			<i>For >50 To 100, Deduct</i>	-10.19	
			<i>For >100 To 250, Deduct</i>	-18.52	
			<i>For >250 To 500, Deduct</i>	-33.32	
			<i>For >500, Deduct</i>	-48.12	
26 51 19 00-0095			Surface Mount, Wraparound LED Fixtures (Lithonia LBL) <small>(26 51 19 00-0090)</small>		
26 51 19 00-0096	EA		2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	275.34	40.54
			<i>For >50 To 100, Deduct</i>	-8.40	
			<i>For >100 To 250, Deduct</i>	-15.29	
			<i>For >250 To 500, Deduct</i>	-27.53	
			<i>For >500, Deduct</i>	-39.78	
26 51 19 00-0097	EA		4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	360.47	49.46
			<i>For >50 To 100, Deduct</i>	-10.87	
			<i>For >100 To 250, Deduct</i>	-19.88	
			<i>For >250 To 500, Deduct</i>	-36.05	
			<i>For >500, Deduct</i>	-52.21	
26 51 19 00-0098			Surface Mount, Shadow Box Style LED Fixtures <small>(26 51 19 00-0090)</small>		
26 51 19 00-0099			Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) <small>(26 51 19 00-0098)</small>		
26 51 19 00-0100	EA		2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2).....	796.40	54.05
			<i>For >50 To 100, Deduct</i>	-21.94	
			<i>For >100 To 250, Deduct</i>	-41.85	
			<i>For >250 To 500, Deduct</i>	-79.64	
			<i>For >500, Deduct</i>	-117.43	
26 51 19 00-0101	EA		2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4).....	1,020.81	62.97
			<i>For >50 To 100, Deduct</i>	-27.89	
			<i>For >100 To 250, Deduct</i>	-53.41	
			<i>For >250 To 500, Deduct</i>	-102.08	
			<i>For >500, Deduct</i>	-150.76	
26 51 19 00-0102			Surface Mount, Low Profile Fixtures <small>(26 51 19 00-0090)</small>		
26 51 19 00-0103	EA		6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90).....	118.01	37.03
			<i>For >50 To 100, Deduct</i>	-4.80	
			<i>For >100 To 250, Deduct</i>	-7.75	
			<i>For >250 To 500, Deduct</i>	-11.80	
			<i>For >500, Deduct</i>	-15.85	
26 51 19 00-0104	EA		6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569).....	98.92	37.03
			<i>For >50 To 100, Deduct</i>	-4.32	
			<i>For >100 To 250, Deduct</i>	-6.80	
			<i>For >250 To 500, Deduct</i>	-9.89	
			<i>For >500, Deduct</i>	-12.99	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0105 EA 13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329).....	158.08	37.03
For >50 To 100, Deduct	-5.80	
For >100 To 250, Deduct	-9.76	
For >250 To 500, Deduct	-15.81	
For >500, Deduct	-21.86	
26 51 19 00-0106 EA 15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330).....	188.61	37.03
For >50 To 100, Deduct	-6.57	
For >100 To 250, Deduct	-11.28	
For >250 To 500, Deduct	-18.86	
For >500, Deduct	-26.44	
26 51 19 00-0107 Recessed LED Downlights (26 51 19 00-0001)		
26 51 19 00-0108 Recessed LED Downlights (26 51 19 00-0107)		
26 51 19 00-0109 Recessed LED Downlights (Lithonia) (26 51 19 00-0108)		
Note: Includes housing and trim.		
26 51 19 00-0110 EA 8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	378.49	65.08
For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	76.12	
For >50 To 100, Deduct	-11.90	
For >100 To 250, Deduct	-21.37	
For >250 To 500, Deduct	-37.85	
For >500, Deduct	-54.33	
26 51 19 00-0111 EA 8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	408.66	65.08
For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	76.12	
For >50 To 100, Deduct	-12.66	
For >100 To 250, Deduct	-22.87	
For >250 To 500, Deduct	-40.87	
For >500, Deduct	-58.86	
26 51 19 00-0112 Recessed LED Downlights (Portfolio®) (26 51 19 00-0108)		
Note: Includes housing and trim.		
26 51 19 00-0113 EA 4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413).....	250.16	65.08
For >50 To 100, Deduct	-8.69	
For >100 To 250, Deduct	-14.95	
For >250 To 500, Deduct	-25.02	
For >500, Deduct	-35.08	
26 51 19 00-0114 Recessed LED Downlights (Gotham® EVO®) (26 51 19 00-0108)		
Note: Includes housing and trim.		
26 51 19 00-0115 EA 6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED).....	320.41	65.08
For >50 To 100, Deduct	-10.45	
For >100 To 250, Deduct	-18.46	
For >250 To 500, Deduct	-32.04	
For >500, Deduct	-45.62	
26 51 19 00-0116 EA 6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	329.97	65.08
For >50 To 100, Deduct	-10.69	
For >100 To 250, Deduct	-18.94	
For >250 To 500, Deduct	-33.00	
For >500, Deduct	-47.06	
26 51 19 00-0117 EA 6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED).....	369.19	65.08
For >50 To 100, Deduct	-11.67	
For >100 To 250, Deduct	-20.90	
For >250 To 500, Deduct	-36.92	
For >500, Deduct	-52.94	
26 51 19 00-0118 EA 6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	373.02	65.08
For >50 To 100, Deduct	-11.77	
For >100 To 250, Deduct	-21.09	
For >250 To 500, Deduct	-37.30	
For >500, Deduct	-53.51	
26 51 19 00-0119 EA 6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED).....	406.50	65.08
For >50 To 100, Deduct	-12.60	
For >100 To 250, Deduct	-22.77	
For >250 To 500, Deduct	-40.65	
For >500, Deduct	-58.53	
26 51 19 00-0120 Recessed LED Downlights (Lightolier) (26 51 19 00-0108)		
Note: Includes housing and trim.		
26 51 19 00-0121 EA 4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	602.62	65.08
For >50 To 100, Deduct	-17.51	
For >100 To 250, Deduct	-32.57	
For >250 To 500, Deduct	-60.26	
For >500, Deduct	-87.95	
26 51 19 00-0122 EA 4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	703.88	65.08
For >50 To 100, Deduct	-20.04	
For >100 To 250, Deduct	-37.63	
For >250 To 500, Deduct	-70.39	
For >500, Deduct	-103.14	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0123	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	754.39	65.08
			<i>For >50 To 100, Deduct</i>	-21.30	
			<i>For >100 To 250, Deduct</i>	-40.16	
			<i>For >250 To 500, Deduct</i>	-75.44	
			<i>For >500, Deduct</i>	-110.72	
26 51	19 00-0124	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	754.39	65.08
			<i>For >50 To 100, Deduct</i>	-21.30	
			<i>For >100 To 250, Deduct</i>	-40.16	
			<i>For >250 To 500, Deduct</i>	-75.44	
			<i>For >500, Deduct</i>	-110.72	
26 51	19 00-0125	EA	7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	779.76	65.08
			<i>For >50 To 100, Deduct</i>	-21.93	
			<i>For >100 To 250, Deduct</i>	-41.43	
			<i>For >250 To 500, Deduct</i>	-77.98	
			<i>For >500, Deduct</i>	-114.52	
26 51	19 00-0126	EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	805.15	65.08
			<i>For >50 To 100, Deduct</i>	-22.57	
			<i>For >100 To 250, Deduct</i>	-42.70	
			<i>For >250 To 500, Deduct</i>	-80.52	
			<i>For >500, Deduct</i>	-118.33	
26 51 19 00-0127 Recessed LED Downlights (Cooper) <small>(26 51 19 00-0108)</small>					
26 51	19 00-0128	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827).....	167.84	65.08
			<i>For >50 To 100, Deduct</i>	-6.64	
			<i>For >100 To 250, Deduct</i>	-10.83	
			<i>For >250 To 500, Deduct</i>	-16.78	
			<i>For >500, Deduct</i>	-22.74	
26 51	19 00-0129	EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830).....	167.84	65.08
			<i>For >50 To 100, Deduct</i>	-6.64	
			<i>For >100 To 250, Deduct</i>	-10.83	
			<i>For >250 To 500, Deduct</i>	-16.78	
			<i>For >500, Deduct</i>	-22.74	
26 51	19 00-0130	EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835).....	167.84	65.08
			<i>For >50 To 100, Deduct</i>	-6.64	
			<i>For >100 To 250, Deduct</i>	-10.83	
			<i>For >250 To 500, Deduct</i>	-16.78	
			<i>For >500, Deduct</i>	-22.74	
26 51	19 00-0131	EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840).....	167.84	65.08
			<i>For >50 To 100, Deduct</i>	-6.64	
			<i>For >100 To 250, Deduct</i>	-10.83	
			<i>For >250 To 500, Deduct</i>	-16.78	
			<i>For >500, Deduct</i>	-22.74	
26 51	19 00-0132	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827).....	170.46	65.08
			<i>For >50 To 100, Deduct</i>	-6.70	
			<i>For >100 To 250, Deduct</i>	-10.96	
			<i>For >250 To 500, Deduct</i>	-17.05	
			<i>For >500, Deduct</i>	-23.13	
26 51	19 00-0133	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830).....	170.46	65.08
			<i>For >50 To 100, Deduct</i>	-6.70	
			<i>For >100 To 250, Deduct</i>	-10.96	
			<i>For >250 To 500, Deduct</i>	-17.05	
			<i>For >500, Deduct</i>	-23.13	
26 51	19 00-0134	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835).....	170.46	65.08
			<i>For >50 To 100, Deduct</i>	-6.70	
			<i>For >100 To 250, Deduct</i>	-10.96	
			<i>For >250 To 500, Deduct</i>	-17.05	
			<i>For >500, Deduct</i>	-23.13	
26 51	19 00-0135	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840).....	170.46	65.08
			<i>For >50 To 100, Deduct</i>	-6.70	
			<i>For >100 To 250, Deduct</i>	-10.96	
			<i>For >250 To 500, Deduct</i>	-17.05	
			<i>For >500, Deduct</i>	-23.13	
26 51	19 00-0136	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827).....	205.92	65.08
			<i>For >50 To 100, Deduct</i>	-7.59	
			<i>For >100 To 250, Deduct</i>	-12.74	
			<i>For >250 To 500, Deduct</i>	-20.59	
			<i>For >500, Deduct</i>	-28.45	
26 51	19 00-0137	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830).....	204.12	65.08
			<i>For >50 To 100, Deduct</i>	-7.54	
			<i>For >100 To 250, Deduct</i>	-12.65	
			<i>For >250 To 500, Deduct</i>	-20.41	
			<i>For >500, Deduct</i>	-28.18	
26 51	19 00-0138	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835).....	204.12	65.08
			<i>For >50 To 100, Deduct</i>	-7.54	
			<i>For >100 To 250, Deduct</i>	-12.65	
			<i>For >250 To 500, Deduct</i>	-20.41	
			<i>For >500, Deduct</i>	-28.18	
26 51	19 00-0139	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840).....	204.12	65.08
			<i>For >50 To 100, Deduct</i>	-7.54	
			<i>For >100 To 250, Deduct</i>	-12.65	
			<i>For >250 To 500, Deduct</i>	-20.41	
			<i>For >500, Deduct</i>	-28.18	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0140	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB)	94.15	20.71
			<i>For >50 To 100, Deduct</i>	-3.13	
			<i>For >100 To 250, Deduct</i>	-5.48	
			<i>For >250 To 500, Deduct</i>	-9.42	
			<i>For >500, Deduct</i>	-13.35	
26 51	19 00-0141	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	61.70	20.71
			<i>For >50 To 100, Deduct</i>	-2.32	
			<i>For >100 To 250, Deduct</i>	-3.86	
			<i>For >250 To 500, Deduct</i>	-6.17	
			<i>For >500, Deduct</i>	-8.48	
26 51	19 00-0142	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	75.67	20.71
			<i>For >50 To 100, Deduct</i>	-2.67	
			<i>For >100 To 250, Deduct</i>	-4.56	
			<i>For >250 To 500, Deduct</i>	-7.57	
			<i>For >500, Deduct</i>	-10.57	
26 51	19 00-0143	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	64.51	20.71
			<i>For >50 To 100, Deduct</i>	-2.39	
			<i>For >100 To 250, Deduct</i>	-4.00	
			<i>For >250 To 500, Deduct</i>	-6.45	
			<i>For >500, Deduct</i>	-8.90	
26 51	19 00-0144	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	53.10	20.71
			<i>For >50 To 100, Deduct</i>	-2.10	
			<i>For >100 To 250, Deduct</i>	-3.43	
			<i>For >250 To 500, Deduct</i>	-5.31	
			<i>For >500, Deduct</i>	-7.19	
26 51	19 00-0145	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	64.01	20.71
			<i>For >50 To 100, Deduct</i>	-2.38	
			<i>For >100 To 250, Deduct</i>	-3.98	
			<i>For >250 To 500, Deduct</i>	-6.40	
			<i>For >500, Deduct</i>	-8.83	
26 51	19 00-0146	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	70.65	20.71
			<i>For >50 To 100, Deduct</i>	-2.54	
			<i>For >100 To 250, Deduct</i>	-4.31	
			<i>For >250 To 500, Deduct</i>	-7.07	
			<i>For >500, Deduct</i>	-9.82	
26 51	19 00-0147	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	76.58	20.71
			<i>For >50 To 100, Deduct</i>	-2.69	
			<i>For >100 To 250, Deduct</i>	-4.61	
			<i>For >250 To 500, Deduct</i>	-7.66	
			<i>For >500, Deduct</i>	-10.71	
26 51	19 00-0148	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	88.14	20.71
			<i>For >50 To 100, Deduct</i>	-2.98	
			<i>For >100 To 250, Deduct</i>	-5.18	
			<i>For >250 To 500, Deduct</i>	-8.81	
			<i>For >500, Deduct</i>	-12.44	
26 51	19 00-0149	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	88.51	20.71
			<i>For >50 To 100, Deduct</i>	-2.99	
			<i>For >100 To 250, Deduct</i>	-5.20	
			<i>For >250 To 500, Deduct</i>	-8.85	
			<i>For >500, Deduct</i>	-12.50	
26 51	19 00-0150	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	86.85	20.71
			<i>For >50 To 100, Deduct</i>	-2.95	
			<i>For >100 To 250, Deduct</i>	-5.12	
			<i>For >250 To 500, Deduct</i>	-8.69	
			<i>For >500, Deduct</i>	-12.25	
26 51	19 00-0151	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW)	105.82	20.71
			<i>For >50 To 100, Deduct</i>	-3.42	
			<i>For >100 To 250, Deduct</i>	-6.07	
			<i>For >250 To 500, Deduct</i>	-10.58	
			<i>For >500, Deduct</i>	-15.10	
26 51	19 00-0152	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	53.50	20.71
			<i>For >50 To 100, Deduct</i>	-2.11	
			<i>For >100 To 250, Deduct</i>	-3.45	
			<i>For >250 To 500, Deduct</i>	-5.35	
			<i>For >500, Deduct</i>	-7.25	
26 51	19 00-0153	EA	6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB)	91.38	20.71
			<i>For >50 To 100, Deduct</i>	-3.06	
			<i>For >100 To 250, Deduct</i>	-5.35	
			<i>For >250 To 500, Deduct</i>	-9.14	
			<i>For >500, Deduct</i>	-12.93	
26 51	19 00-0154	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	78.61	20.71
			<i>For >50 To 100, Deduct</i>	-2.74	
			<i>For >100 To 250, Deduct</i>	-4.71	
			<i>For >250 To 500, Deduct</i>	-7.86	
			<i>For >500, Deduct</i>	-11.02	
26 51	19 00-0155	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	74.13	20.71
			<i>For >50 To 100, Deduct</i>	-2.63	
			<i>For >100 To 250, Deduct</i>	-4.48	
			<i>For >250 To 500, Deduct</i>	-7.41	
			<i>For >500, Deduct</i>	-10.34	
26 51	19 00-0156	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	66.74	20.71
			<i>For >50 To 100, Deduct</i>	-2.45	
			<i>For >100 To 250, Deduct</i>	-4.11	
			<i>For >250 To 500, Deduct</i>	-6.67	
			<i>For >500, Deduct</i>	-9.23	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0157	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB).....	67.27	20.71
			<i>For >50 To 100, Deduct</i>	-2.46	
			<i>For >100 To 250, Deduct</i>	-4.14	
			<i>For >250 To 500, Deduct</i>	-6.73	
			<i>For >500, Deduct</i>	-9.31	
26 51	19 00-0158	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB).....	72.01	20.71
			<i>For >50 To 100, Deduct</i>	-2.58	
			<i>For >100 To 250, Deduct</i>	-4.38	
			<i>For >250 To 500, Deduct</i>	-7.20	
			<i>For >500, Deduct</i>	-10.03	
26 51	19 00-0159	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	66.45	20.71
			<i>For >50 To 100, Deduct</i>	-2.44	
			<i>For >100 To 250, Deduct</i>	-4.10	
			<i>For >250 To 500, Deduct</i>	-6.65	
			<i>For >500, Deduct</i>	-9.19	
26 51	19 00-0160	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	81.57	20.71
			<i>For >50 To 100, Deduct</i>	-2.82	
			<i>For >100 To 250, Deduct</i>	-4.86	
			<i>For >250 To 500, Deduct</i>	-8.16	
			<i>For >500, Deduct</i>	-11.46	
26 51	19 00-0161	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB).....	87.94	20.71
			<i>For >50 To 100, Deduct</i>	-2.98	
			<i>For >100 To 250, Deduct</i>	-5.17	
			<i>For >250 To 500, Deduct</i>	-8.79	
			<i>For >500, Deduct</i>	-12.41	
26 51	19 00-0162	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	109.14	20.71
			<i>For >50 To 100, Deduct</i>	-3.51	
			<i>For >100 To 250, Deduct</i>	-6.23	
			<i>For >250 To 500, Deduct</i>	-10.91	
			<i>For >500, Deduct</i>	-15.59	
26 51	19 00-0163	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	106.49	20.71
			<i>For >50 To 100, Deduct</i>	-3.44	
			<i>For >100 To 250, Deduct</i>	-6.10	
			<i>For >250 To 500, Deduct</i>	-10.65	
			<i>For >500, Deduct</i>	-15.20	
26 51	19 00-0164	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW).....	107.66	20.71
			<i>For >50 To 100, Deduct</i>	-3.47	
			<i>For >100 To 250, Deduct</i>	-6.16	
			<i>For >250 To 500, Deduct</i>	-10.77	
			<i>For >500, Deduct</i>	-15.37	
26 51	19 00-0165	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	67.91	20.71
			<i>For >50 To 100, Deduct</i>	-2.47	
			<i>For >100 To 250, Deduct</i>	-4.17	
			<i>For >250 To 500, Deduct</i>	-6.79	
			<i>For >500, Deduct</i>	-9.41	
26 51	19 00-0166	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	72.26	44.37
			<i>For >50 To 100, Deduct</i>	-3.47	
			<i>For >100 To 250, Deduct</i>	-5.28	
			<i>For >250 To 500, Deduct</i>	-7.23	
			<i>For >500, Deduct</i>	-9.18	
26 51	19 00-0167	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT).....	77.45	44.37
			<i>For >50 To 100, Deduct</i>	-3.60	
			<i>For >100 To 250, Deduct</i>	-5.54	
			<i>For >250 To 500, Deduct</i>	-7.75	
			<i>For >500, Deduct</i>	-9.95	
26 51	19 00-0168	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	75.37	44.37
			<i>For >50 To 100, Deduct</i>	-3.55	
			<i>For >100 To 250, Deduct</i>	-5.43	
			<i>For >250 To 500, Deduct</i>	-7.54	
			<i>For >500, Deduct</i>	-9.64	
26 51	19 00-0169	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	95.83	44.37
			<i>For >50 To 100, Deduct</i>	-4.06	
			<i>For >100 To 250, Deduct</i>	-6.46	
			<i>For >250 To 500, Deduct</i>	-9.58	
			<i>For >500, Deduct</i>	-12.71	
26 51	19 00-0170	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT).....	93.43	44.37
			<i>For >50 To 100, Deduct</i>	-4.00	
			<i>For >100 To 250, Deduct</i>	-6.34	
			<i>For >250 To 500, Deduct</i>	-9.34	
			<i>For >500, Deduct</i>	-12.35	
26 51	19 00-0171	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	78.16	44.37
			<i>For >50 To 100, Deduct</i>	-3.62	
			<i>For >100 To 250, Deduct</i>	-5.57	
			<i>For >250 To 500, Deduct</i>	-7.82	
			<i>For >500, Deduct</i>	-10.06	
26 51	19 00-0172	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT).....	81.65	44.37
			<i>For >50 To 100, Deduct</i>	-3.71	
			<i>For >100 To 250, Deduct</i>	-5.75	
			<i>For >250 To 500, Deduct</i>	-8.17	
			<i>For >500, Deduct</i>	-10.58	
26 51	19 00-0173	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	77.43	44.37
			<i>For >50 To 100, Deduct</i>	-3.60	
			<i>For >100 To 250, Deduct</i>	-5.54	
			<i>For >250 To 500, Deduct</i>	-7.74	
			<i>For >500, Deduct</i>	-9.95	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0174 EA 6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	81.26	44.37
For >50 To 100, Deduct	-3.70	
For >100 To 250, Deduct	-5.73	
For >250 To 500, Deduct	-8.13	
For >500, Deduct	-10.53	
26 51 19 00-0175 EA 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB).....	78.07	44.37
For >50 To 100, Deduct	-3.62	
For >100 To 250, Deduct	-5.57	
For >250 To 500, Deduct	-7.81	
For >500, Deduct	-10.05	
26 51 19 00-0176 EA 6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB).....	77.71	44.37
For >50 To 100, Deduct	-3.61	
For >100 To 250, Deduct	-5.55	
For >250 To 500, Deduct	-7.77	
For >500, Deduct	-9.99	
26 51 19 00-0177 EA 6" Non-IC, New Construction Housing (Cooper Halo H7T).....	80.47	44.37
For >50 To 100, Deduct	-3.68	
For >100 To 250, Deduct	-5.69	
For >250 To 500, Deduct	-8.05	
For >500, Deduct	-10.41	
26 51 19 00-0178 EA 6" Non-IC, Remodel Housing (Cooper Halo H7RT).....	81.97	44.37
For >50 To 100, Deduct	-3.71	
For >100 To 250, Deduct	-5.76	
For >250 To 500, Deduct	-8.20	
For >500, Deduct	-10.63	
26 51 19 00-0179 EA 6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB).....	82.44	44.37
For >50 To 100, Deduct	-3.73	
For >100 To 250, Deduct	-5.79	
For >250 To 500, Deduct	-8.24	
For >500, Deduct	-10.70	
26 51 19 00-0180 EA 6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	105.62	44.37
For >50 To 100, Deduct	-4.30	
For >100 To 250, Deduct	-6.95	
For >250 To 500, Deduct	-10.56	
For >500, Deduct	-14.18	
26 51 19 00-0181 EA 6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UIC).....	99.80	44.37
For >50 To 100, Deduct	-4.16	
For >100 To 250, Deduct	-6.65	
For >250 To 500, Deduct	-9.98	
For >500, Deduct	-13.31	
26 51 19 00-0182 EA 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT).....	100.48	44.37
For >50 To 100, Deduct	-4.18	
For >100 To 250, Deduct	-6.69	
For >250 To 500, Deduct	-10.05	
For >500, Deduct	-13.41	
26 51 19 00-0183 EA 6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT).....	104.37	44.37
For >50 To 100, Deduct	-4.27	
For >100 To 250, Deduct	-6.88	
For >250 To 500, Deduct	-10.44	
For >500, Deduct	-13.99	
26 51 19 00-0184 EA 6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	104.37	44.37
For >50 To 100, Deduct	-4.27	
For >100 To 250, Deduct	-6.88	
For >250 To 500, Deduct	-10.44	
For >500, Deduct	-13.99	
26 51 19 00-0185 EA 6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700).....	104.37	44.37
For >50 To 100, Deduct	-4.27	
For >100 To 250, Deduct	-6.88	
For >250 To 500, Deduct	-10.44	
For >500, Deduct	-13.99	
26 51 19 00-0186 EA 6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	104.37	44.37
For >50 To 100, Deduct	-4.27	
For >100 To 250, Deduct	-6.88	
For >250 To 500, Deduct	-10.44	
For >500, Deduct	-13.99	
26 51 19 00-0187 EA 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	104.37	44.37
For >50 To 100, Deduct	-4.27	
For >100 To 250, Deduct	-6.88	
For >250 To 500, Deduct	-10.44	
For >500, Deduct	-13.99	
26 51 19 00-0188 EA 6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB).....	94.19	44.37
For >50 To 100, Deduct	-4.02	
For >100 To 250, Deduct	-6.37	
For >250 To 500, Deduct	-9.42	
For >500, Deduct	-12.46	
26 51 19 00-0189 EA 6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U).....	94.19	44.37
For >50 To 100, Deduct	-4.02	
For >100 To 250, Deduct	-6.37	
For >250 To 500, Deduct	-9.42	
For >500, Deduct	-12.46	
26 51 19 00-0190 EA 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT).....	94.19	44.37
For >50 To 100, Deduct	-4.02	
For >100 To 250, Deduct	-6.37	
For >250 To 500, Deduct	-9.42	
For >500, Deduct	-12.46	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0191	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700).....	94.19	44.37
			<i>For >50 To 100, Deduct</i>	-4.02	
			<i>For >100 To 250, Deduct</i>	-6.37	
			<i>For >250 To 500, Deduct</i>	-9.42	
			<i>For >500, Deduct</i>	-12.46	
26 51	19 00-0192	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R)	94.19	44.37
			<i>For >50 To 100, Deduct</i>	-4.02	
			<i>For >100 To 250, Deduct</i>	-6.37	
			<i>For >250 To 500, Deduct</i>	-9.42	
			<i>For >500, Deduct</i>	-12.46	
26 51	19 00-0193	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT).....	94.94	44.37
			<i>For >50 To 100, Deduct</i>	-4.04	
			<i>For >100 To 250, Deduct</i>	-6.41	
			<i>For >250 To 500, Deduct</i>	-9.49	
			<i>For >500, Deduct</i>	-12.58	
26 51	19 00-0194	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT)	106.36	44.37
			<i>For >50 To 100, Deduct</i>	-4.32	
			<i>For >100 To 250, Deduct</i>	-6.98	
			<i>For >250 To 500, Deduct</i>	-10.64	
			<i>For >500, Deduct</i>	-14.29	
26 51	19 00-0195	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT).....	94.94	44.37
			<i>For >50 To 100, Deduct</i>	-4.04	
			<i>For >100 To 250, Deduct</i>	-6.41	
			<i>For >250 To 500, Deduct</i>	-9.49	
			<i>For >500, Deduct</i>	-12.58	
26 51	19 00-0196	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)	103.13	44.37
			<i>For >50 To 100, Deduct</i>	-4.24	
			<i>For >100 To 250, Deduct</i>	-6.82	
			<i>For >250 To 500, Deduct</i>	-10.31	
			<i>For >500, Deduct</i>	-13.81	
26 51	19 00-0197	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	90.30	44.37
			<i>For >50 To 100, Deduct</i>	-3.92	
			<i>For >100 To 250, Deduct</i>	-6.18	
			<i>For >250 To 500, Deduct</i>	-9.03	
			<i>For >500, Deduct</i>	-11.88	
26 51	19 00-0198	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT).....	91.43	44.37
			<i>For >50 To 100, Deduct</i>	-3.95	
			<i>For >100 To 250, Deduct</i>	-6.24	
			<i>For >250 To 500, Deduct</i>	-9.14	
			<i>For >500, Deduct</i>	-12.05	
26 51	19 00-0199	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT).....	99.42	44.37
			<i>For >50 To 100, Deduct</i>	-4.15	
			<i>For >100 To 250, Deduct</i>	-6.64	
			<i>For >250 To 500, Deduct</i>	-9.94	
			<i>For >500, Deduct</i>	-13.25	
26 51	19 00-0200	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700).....	99.42	44.37
			<i>For >50 To 100, Deduct</i>	-4.15	
			<i>For >100 To 250, Deduct</i>	-6.64	
			<i>For >250 To 500, Deduct</i>	-9.94	
			<i>For >500, Deduct</i>	-13.25	
26 51	19 00-0201	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	99.42	44.37
			<i>For >50 To 100, Deduct</i>	-4.15	
			<i>For >100 To 250, Deduct</i>	-6.64	
			<i>For >250 To 500, Deduct</i>	-9.94	
			<i>For >500, Deduct</i>	-13.25	
26 51	19 00-0202	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700).....	99.42	44.37
			<i>For >50 To 100, Deduct</i>	-4.15	
			<i>For >100 To 250, Deduct</i>	-6.64	
			<i>For >250 To 500, Deduct</i>	-9.94	
			<i>For >500, Deduct</i>	-13.25	
26 51	19 00-0203	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R).....	99.42	44.37
			<i>For >50 To 100, Deduct</i>	-4.15	
			<i>For >100 To 250, Deduct</i>	-6.64	
			<i>For >250 To 500, Deduct</i>	-9.94	
			<i>For >500, Deduct</i>	-13.25	
26 51	19 00-0204	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK).....	76.34	20.71
			<i>For >50 To 100, Deduct</i>	-2.69	
			<i>For >100 To 250, Deduct</i>	-4.59	
			<i>For >250 To 500, Deduct</i>	-7.63	
			<i>For >500, Deduct</i>	-10.67	
26 51	19 00-0205	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	78.67	20.71
			<i>For >50 To 100, Deduct</i>	-2.74	
			<i>For >100 To 250, Deduct</i>	-4.71	
			<i>For >250 To 500, Deduct</i>	-7.87	
			<i>For >500, Deduct</i>	-11.02	
26 51	19 00-0206	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	85.25	44.37
			<i>For >50 To 100, Deduct</i>	-3.80	
			<i>For >100 To 250, Deduct</i>	-5.93	
			<i>For >250 To 500, Deduct</i>	-8.53	
			<i>For >500, Deduct</i>	-11.12	
26 51	19 00-0207	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT).....	85.53	44.37
			<i>For >50 To 100, Deduct</i>	-3.80	
			<i>For >100 To 250, Deduct</i>	-5.94	
			<i>For >250 To 500, Deduct</i>	-8.55	
			<i>For >500, Deduct</i>	-11.17	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0208	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	80.71	44.37
			<i>For >50 To 100, Deduct</i>	-3.68	
			<i>For >100 To 250, Deduct</i>	-5.70	
			<i>For >250 To 500, Deduct</i>	-8.07	
			<i>For >500, Deduct</i>	-10.44	
26 51	19 00-0209	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	83.08	44.37
			<i>For >50 To 100, Deduct</i>	-3.74	
			<i>For >100 To 250, Deduct</i>	-5.82	
			<i>For >250 To 500, Deduct</i>	-8.31	
			<i>For >500, Deduct</i>	-10.80	
26 51	19 00-0210	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T).....	82.30	44.37
			<i>For >50 To 100, Deduct</i>	-3.72	
			<i>For >100 To 250, Deduct</i>	-5.78	
			<i>For >250 To 500, Deduct</i>	-8.23	
			<i>For >500, Deduct</i>	-10.68	
26 51	19 00-0211	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT)	83.02	44.37
			<i>For >50 To 100, Deduct</i>	-3.74	
			<i>For >100 To 250, Deduct</i>	-5.82	
			<i>For >250 To 500, Deduct</i>	-8.30	
			<i>For >500, Deduct</i>	-10.79	
26 51	19 00-0212	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT).....	93.18	44.37
			<i>For >50 To 100, Deduct</i>	-3.99	
			<i>For >100 To 250, Deduct</i>	-6.32	
			<i>For >250 To 500, Deduct</i>	-9.32	
			<i>For >500, Deduct</i>	-12.31	
26 51	19 00-0213	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	93.73	44.37
			<i>For >50 To 100, Deduct</i>	-4.01	
			<i>For >100 To 250, Deduct</i>	-6.35	
			<i>For >250 To 500, Deduct</i>	-9.37	
			<i>For >500, Deduct</i>	-12.40	
26 51	19 00-0214	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500).....	96.46	44.37
			<i>For >50 To 100, Deduct</i>	-4.08	
			<i>For >100 To 250, Deduct</i>	-6.49	
			<i>For >250 To 500, Deduct</i>	-9.65	
			<i>For >500, Deduct</i>	-12.81	
26 51	19 00-0215	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R)	98.37	44.37
			<i>For >50 To 100, Deduct</i>	-4.12	
			<i>For >100 To 250, Deduct</i>	-6.58	
			<i>For >250 To 500, Deduct</i>	-9.84	
			<i>For >500, Deduct</i>	-13.09	
26 51	19 00-0216	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT).....	106.78	44.37
			<i>For >50 To 100, Deduct</i>	-4.33	
			<i>For >100 To 250, Deduct</i>	-7.00	
			<i>For >250 To 500, Deduct</i>	-10.68	
			<i>For >500, Deduct</i>	-14.35	
26 51	19 00-0217		Recessed LED Downlights (Maxlite DLR) <small>(26 51 19 00-0108)</small>		
26 51	19 00-0218	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410)	189.63	65.08
			<i>For >50 To 100, Deduct</i>	-7.18	
			<i>For >100 To 250, Deduct</i>	-11.92	
			<i>For >250 To 500, Deduct</i>	-18.96	
			<i>For >500, Deduct</i>	-26.00	
26 51	19 00-0219	EA	4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415)	191.98	65.08
			<i>For >50 To 100, Deduct</i>	-7.24	
			<i>For >100 To 250, Deduct</i>	-12.04	
			<i>For >250 To 500, Deduct</i>	-19.20	
			<i>For >500, Deduct</i>	-26.36	
26 51	19 00-0220	EA	4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420)	199.07	65.08
			<i>For >50 To 100, Deduct</i>	-7.42	
			<i>For >100 To 250, Deduct</i>	-12.39	
			<i>For >250 To 500, Deduct</i>	-19.91	
			<i>For >500, Deduct</i>	-27.42	
26 51	19 00-0221	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615)	184.90	65.08
			<i>For >50 To 100, Deduct</i>	-7.06	
			<i>For >100 To 250, Deduct</i>	-11.69	
			<i>For >250 To 500, Deduct</i>	-18.49	
			<i>For >500, Deduct</i>	-25.29	
26 51	19 00-0222	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620)	184.90	65.08
			<i>For >50 To 100, Deduct</i>	-7.06	
			<i>For >100 To 250, Deduct</i>	-11.69	
			<i>For >250 To 500, Deduct</i>	-18.49	
			<i>For >500, Deduct</i>	-25.29	
26 51	19 00-0223	EA	6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630)	184.90	65.08
			<i>For >50 To 100, Deduct</i>	-7.06	
			<i>For >100 To 250, Deduct</i>	-11.69	
			<i>For >250 To 500, Deduct</i>	-18.49	
			<i>For >500, Deduct</i>	-25.29	
26 51	19 00-0224	EA	8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810)	199.07	65.08
			<i>For >50 To 100, Deduct</i>	-7.42	
			<i>For >100 To 250, Deduct</i>	-12.39	
			<i>For >250 To 500, Deduct</i>	-19.91	
			<i>For >500, Deduct</i>	-27.42	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0225	EA		8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815).....	201.42	65.08
			<i>For >50 To 100, Deduct</i>	-7.48	
			<i>For >100 To 250, Deduct</i>	-12.51	
			<i>For >250 To 500, Deduct</i>	-20.14	
			<i>For >500, Deduct</i>	-27.77	
26 51 19 00-0226	EA		8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820).....	206.14	65.08
			<i>For >50 To 100, Deduct</i>	-7.59	
			<i>For >100 To 250, Deduct</i>	-12.75	
			<i>For >250 To 500, Deduct</i>	-20.61	
			<i>For >500, Deduct</i>	-28.48	
26 51 19 00-0227	EA		8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830).....	220.29	65.08
			<i>For >50 To 100, Deduct</i>	-7.95	
			<i>For >100 To 250, Deduct</i>	-13.46	
			<i>For >250 To 500, Deduct</i>	-22.03	
			<i>For >500, Deduct</i>	-30.60	
26 51 19 00-0228	EA		8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850).....	239.17	65.08
			<i>For >50 To 100, Deduct</i>	-8.42	
			<i>For >100 To 250, Deduct</i>	-14.40	
			<i>For >250 To 500, Deduct</i>	-23.92	
			<i>For >500, Deduct</i>	-33.44	
26 51 19 00-0229			Recessed LED Downlight Retrofits And Trim (CREE®) (26 51 19 00-0107)		
26 51 19 00-0230			Recessed LED Downlight Retrofits (CREE®) (26 51 19 00-0229) Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51 19 00-0231	EA		4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	98.95	
			<i>For >50 To 100, Deduct</i>	-3.40	
			<i>For >100 To 250, Deduct</i>	-5.87	
			<i>For >250 To 500, Deduct</i>	-9.90	
			<i>For >500, Deduct</i>	-13.92	
26 51 19 00-0232	EA		6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	88.90	
			<i>For >50 To 100, Deduct</i>	-3.15	
			<i>For >100 To 250, Deduct</i>	-5.37	
			<i>For >250 To 500, Deduct</i>	-8.89	
			<i>For >500, Deduct</i>	-12.41	
26 51 19 00-0233	EA		6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	109.00	
			<i>For >50 To 100, Deduct</i>	-3.65	
			<i>For >100 To 250, Deduct</i>	-6.37	
			<i>For >250 To 500, Deduct</i>	-10.90	
			<i>For >500, Deduct</i>	-15.43	
26 51 19 00-0234	EA		6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	120.72	
			<i>For >50 To 100, Deduct</i>	-3.94	
			<i>For >100 To 250, Deduct</i>	-6.96	
			<i>For >250 To 500, Deduct</i>	-12.07	
			<i>For >500, Deduct</i>	-17.18	
26 51 19 00-0235	EA		6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR).....	130.77	
			<i>For >50 To 100, Deduct</i>	-4.19	
			<i>For >100 To 250, Deduct</i>	-7.46	
			<i>For >250 To 500, Deduct</i>	-13.08	
			<i>For >500, Deduct</i>	-18.69	
26 51 19 00-0236			Recessed LED Downlight Retrofits Trim (CREE®) (26 51 19 00-0229) Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 19 00-0237	EA		6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX).....	38.93	10.35
			<i>For >50 To 100, Deduct</i>	-1.53	
			<i>For >100 To 250, Deduct</i>	-2.50	
			<i>For >250 To 500, Deduct</i>	-3.89	
			<i>For >500, Deduct</i>	-5.28	
26 51 19 00-0238	EA		6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	45.64	10.35
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100 To 250, Deduct</i>	-2.84	
			<i>For >250 To 500, Deduct</i>	-4.56	
			<i>For >500, Deduct</i>	-6.29	
26 51 19 00-0239	EA		6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB).....	40.61	10.35
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100 To 250, Deduct</i>	-2.59	
			<i>For >250 To 500, Deduct</i>	-4.06	
			<i>For >500, Deduct</i>	-5.54	
26 51 19 00-0240			Recessed LED Downlight Fixture Housings (CREE®) (26 51 19 00-0229) Note: Excludes lamp and trim.		
26 51 19 00-0241	EA		6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	106.76	44.37
			<i>For >50 To 100, Deduct</i>	-4.33	
			<i>For >100 To 250, Deduct</i>	-7.00	
			<i>For >250 To 500, Deduct</i>	-10.68	
			<i>For >500, Deduct</i>	-14.35	
26 51 19 00-0242	EA		6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6).....	83.30	44.37
			<i>For >50 To 100, Deduct</i>	-3.75	
			<i>For >100 To 250, Deduct</i>	-5.83	
			<i>For >250 To 500, Deduct</i>	-8.33	
			<i>For >500, Deduct</i>	-10.83	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0243 Can Retrofit Or Surface Mount, LED Downlights <small>(26 51 19 00-0107)</small>		
26 51 19 00-0244 EA 6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	106.19	40.54
For >50 To 100, Deduct	-4.18	
For >100 To 250, Deduct	-6.83	
For >250 To 500, Deduct	-10.62	
For >500, Deduct	-14.41	
26 51 19 00-0245 EA 4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D).....	88.56	40.54
For >50 To 100, Deduct	-3.73	
For >100 To 250, Deduct	-5.95	
For >250 To 500, Deduct	-8.86	
For >500, Deduct	-11.76	
26 51 19 00-0246 EA 6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D).....	88.56	40.54
For >50 To 100, Deduct	-3.73	
For >100 To 250, Deduct	-5.95	
For >250 To 500, Deduct	-8.86	
For >500, Deduct	-11.76	
26 51 19 00-0247 EA 6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP)	145.04	40.54
For Recessed IC/Non-IC Rated Housing For New Construction, Add	54.47	
For >50 To 100, Deduct	-5.15	
For >100 To 250, Deduct	-8.77	
For >250 To 500, Deduct	-14.50	
For >500, Deduct	-20.24	
26 51 19 00-0248 EA 4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	78.56	40.54
For >50 To 100, Deduct	-3.48	
For >100 To 250, Deduct	-5.45	
For >250 To 500, Deduct	-7.86	
For >500, Deduct	-10.26	
26 51 19 00-0249 EA 5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840).....	85.69	40.54
For >50 To 100, Deduct	-3.66	
For >100 To 250, Deduct	-5.81	
For >250 To 500, Deduct	-8.57	
For >500, Deduct	-11.33	
26 51 19 00-0250 EA 6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	896.63	40.54
For >50 To 100, Deduct	-23.94	
For >100 To 250, Deduct	-46.35	
For >250 To 500, Deduct	-89.66	
For >500, Deduct	-132.97	
26 51 19 00-0251 Wall Mount LED Cylinder Downlight <small>(26 51 19 00-0001)</small>		
26 51 19 00-0252 EA 9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	414.96	62.97
For >50 To 100, Deduct	-12.74	
For >100 To 250, Deduct	-23.11	
For >250 To 500, Deduct	-41.50	
For >500, Deduct	-59.88	
26 51 19 00-0253 Wall Sconce And Wall Wash LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0254 LED Wall Sconce Fixtures (Hudson Valley Lighting) <small>(26 51 19 00-0253)</small>		
26 51 19 00-0255 EA 2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	525.34	59.16
For >50 To 100, Deduct	-15.35	
For >100 To 250, Deduct	-28.49	
For >250 To 500, Deduct	-52.53	
For >500, Deduct	-76.58	
26 51 19 00-0256 LED Wall Sconce Fixtures (Kichler) <small>(26 51 19 00-0253)</small>		
26 51 19 00-0257 EA 6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED).....	300.14	59.16
For >50 To 100, Deduct	-9.72	
For >100 To 250, Deduct	-17.23	
For >250 To 500, Deduct	-30.01	
For >500, Deduct	-42.80	
26 51 19 00-0258 LED Wall Sconce Fixtures (Metalux) <small>(26 51 19 00-0253)</small>		
26 51 19 00-0259 EA 9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	172.57	59.16
For >50 To 100, Deduct	-6.53	
For >100 To 250, Deduct	-10.85	
For >250 To 500, Deduct	-17.26	
For >500, Deduct	-23.67	
26 51 19 00-0260 EA 5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH).....	162.09	59.16
For >50 To 100, Deduct	-6.27	
For >100 To 250, Deduct	-10.32	
For >250 To 500, Deduct	-16.21	
For >500, Deduct	-22.10	
26 51 19 00-0261 Concealed Continuous LED Fixtures <small>(26 51 19 00-0001)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0262			Concealed Continuous LED Fixtures (Fraqtir™ S301) <small>(26 51 19 00-0261)</small>		
26 51 19 00-0263	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301).....	693.68	6.75
			<i>For >50 To 100, Deduct</i>	-17.68	
			<i>For >100 To 250, Deduct</i>	-35.02	
			<i>For >250 To 500, Deduct</i>	-69.37	
			<i>For >500, Deduct</i>	-103.71	
26 51 19 00-0264	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301).....	790.53	6.75
			<i>For >50 To 100, Deduct</i>	-20.10	
			<i>For >100 To 250, Deduct</i>	-39.86	
			<i>For >250 To 500, Deduct</i>	-79.05	
			<i>For >500, Deduct</i>	-118.24	
26 51 19 00-0265			Low Bay LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0266			LED Linear Low Bay Fixtures (PlanLED) <small>(26 51 19 00-0265)</small>		
26 51 19 00-0267	EA		4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4).....	380.30	81.09
			<i>For >50 To 100, Deduct</i>	-12.89	
			<i>For >100 To 250, Deduct</i>	-22.39	
			<i>For >250 To 500, Deduct</i>	-38.03	
			<i>For >500, Deduct</i>	-53.67	
26 51 19 00-0268	EA		4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A).....	506.96	81.09
			<i>For >50 To 100, Deduct</i>	-16.05	
			<i>For >100 To 250, Deduct</i>	-28.73	
			<i>For >250 To 500, Deduct</i>	-50.70	
			<i>For >500, Deduct</i>	-72.67	
26 51 19 00-0269	EA		8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A).....	832.89	101.35
			<i>For >50 To 100, Deduct</i>	-25.05	
			<i>For >100 To 250, Deduct</i>	-45.87	
			<i>For >250 To 500, Deduct</i>	-83.29	
			<i>For >500, Deduct</i>	-120.71	
26 51 19 00-0270			LED Low Bay Fixtures (CREE®) <small>(26 51 19 00-0265)</small>		
26 51 19 00-0271			LED Low Bay Fixtures (CREE® LS) <small>(26 51 19 00-0270)</small>		
			Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0272	EA		2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V).....	301.70	81.09
			<i>For >50 To 100, Deduct</i>	-10.92	
			<i>For >100 To 250, Deduct</i>	-18.46	
			<i>For >250 To 500, Deduct</i>	-30.17	
			<i>For >500, Deduct</i>	-41.88	
26 51 19 00-0273	EA		2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V).....	318.78	81.09
			<i>For >50 To 100, Deduct</i>	-11.35	
			<i>For >100 To 250, Deduct</i>	-19.32	
			<i>For >250 To 500, Deduct</i>	-31.88	
			<i>For >500, Deduct</i>	-44.44	
26 51 19 00-0274	EA		4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V).....	308.82	81.09
			<i>For >50 To 100, Deduct</i>	-11.10	
			<i>For >100 To 250, Deduct</i>	-18.82	
			<i>For >250 To 500, Deduct</i>	-30.88	
			<i>For >500, Deduct</i>	-42.94	
26 51 19 00-0275	EA		4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V).....	325.90	81.09
			<i>For >50 To 100, Deduct</i>	-11.53	
			<i>For >100 To 250, Deduct</i>	-19.67	
			<i>For >250 To 500, Deduct</i>	-32.59	
			<i>For >500, Deduct</i>	-45.51	
26 51 19 00-0276	EA		5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V).....	338.71	81.09
			<i>For >50 To 100, Deduct</i>	-11.85	
			<i>For >100 To 250, Deduct</i>	-20.31	
			<i>For >250 To 500, Deduct</i>	-33.87	
			<i>For >500, Deduct</i>	-47.43	
26 51 19 00-0277	EA		5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V).....	355.80	81.09
			<i>For >50 To 100, Deduct</i>	-12.27	
			<i>For >100 To 250, Deduct</i>	-21.17	
			<i>For >250 To 500, Deduct</i>	-35.58	
			<i>For >500, Deduct</i>	-49.99	
26 51 19 00-0278	EA		8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V).....	467.87	101.35
			<i>For >50 To 100, Deduct</i>	-15.92	
			<i>For >100 To 250, Deduct</i>	-27.62	
			<i>For >250 To 500, Deduct</i>	-46.79	
			<i>For >500, Deduct</i>	-65.96	
26 51 19 00-0279	EA		8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V).....	499.19	101.35
			<i>For >50 To 100, Deduct</i>	-16.70	
			<i>For >100 To 250, Deduct</i>	-29.18	
			<i>For >250 To 500, Deduct</i>	-49.92	
			<i>For >500, Deduct</i>	-70.66	
26 51 19 00-0280	EA		10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V).....	564.68	101.35
			<i>For >50 To 100, Deduct</i>	-18.34	
			<i>For >100 To 250, Deduct</i>	-32.46	
			<i>For >250 To 500, Deduct</i>	-56.47	
			<i>For >500, Deduct</i>	-80.48	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0281 EA 10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V).....	581.76	101.35
For >50 To 100, Deduct	-18.77	
For >100 To 250, Deduct	-33.31	
For >250 To 500, Deduct	-58.18	
For >500, Deduct	-83.04	
26 51 19 00-0282 LED Low Bay Fixtures (CREE® LN) (26 51 19 00-0270)		
Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.		
26 51 19 00-0283 EA 3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V)	617.74	81.09
For >50 To 100, Deduct	-18.82	
For >100 To 250, Deduct	-34.27	
For >250 To 500, Deduct	-61.77	
For >500, Deduct	-89.28	
26 51 19 00-0284 EA 3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA)	688.92	81.09
For >50 To 100, Deduct	-20.60	
For >100 To 250, Deduct	-37.82	
For >250 To 500, Deduct	-68.89	
For >500, Deduct	-99.96	
26 51 19 00-0285 LED Linear Low Bay Fixtures (CREE® CS) (26 51 19 00-0270)		
Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 19 00-0286 EA 4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™).....	604.45	81.09
For >50 To 100, Deduct	-18.49	
For >100 To 250, Deduct	-33.60	
For >250 To 500, Deduct	-60.45	
For >500, Deduct	-87.29	
26 51 19 00-0287 EA 7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	750.44	101.35
For >50 To 100, Deduct	-22.98	
For >100 To 250, Deduct	-41.75	
For >250 To 500, Deduct	-75.04	
For >500, Deduct	-108.34	
26 51 19 00-0288 EA 8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	936.34	101.35
For >50 To 100, Deduct	-27.63	
For >100 To 250, Deduct	-51.04	
For >250 To 500, Deduct	-93.63	
For >500, Deduct	-136.23	
26 51 19 00-0289 Accessories For LED Low Bay Fixtures (CREE®) (26 51 19 00-0270)		
26 51 19 00-0290 EA Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK).....	62.16	22.22
For >50 To 100, Deduct	-2.48	
For >100 To 250, Deduct	-4.03	
For >250 To 500, Deduct	-6.22	
For >500, Deduct	-8.40	
26 51 19 00-0291 EA Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK).....	67.18	22.22
For >50 To 100, Deduct	-2.61	
For >100 To 250, Deduct	-4.28	
For >250 To 500, Deduct	-6.72	
For >500, Deduct	-9.15	
26 51 19 00-0292 EA Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ).....	53.77	22.22
For >50 To 100, Deduct	-2.27	
For >100 To 250, Deduct	-3.61	
For >250 To 500, Deduct	-5.38	
For >500, Deduct	-7.14	
26 51 19 00-0293 EA Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ).....	45.40	22.22
For >50 To 100, Deduct	-2.06	
For >100 To 250, Deduct	-3.20	
For >250 To 500, Deduct	-4.54	
For >500, Deduct	-5.88	
26 51 19 00-0294 EA Solid Reflector, Pair (Cree® LS4-SR).....	120.77	22.22
For >50 To 100, Deduct	-3.95	
For >100 To 250, Deduct	-6.96	
For >250 To 500, Deduct	-12.08	
For >500, Deduct	-17.19	
26 51 19 00-0295 EA Solid Reflector, Pair (Cree® LS8-SR).....	162.65	22.22
For >50 To 100, Deduct	-4.99	
For >100 To 250, Deduct	-9.06	
For >250 To 500, Deduct	-16.27	
For >500, Deduct	-23.47	
26 51 19 00-0296 EA 5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB).....	67.18	22.22
For >50 To 100, Deduct	-2.61	
For >100 To 250, Deduct	-4.28	
For >250 To 500, Deduct	-6.72	
For >500, Deduct	-9.15	
26 51 19 00-0297 EA 5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB).....	90.63	22.22
For >50 To 100, Deduct	-3.19	
For >100 To 250, Deduct	-5.46	
For >250 To 500, Deduct	-9.06	
For >500, Deduct	-12.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0298 EA 5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB).....	73.87	22.22
For>50 To 100, Deduct	-2.77	
For>100 To 250, Deduct	-4.62	
For>250 To 500, Deduct	-7.39	
For>500, Deduct	-10.15	
26 51 19 00-0299 EA 5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB).....	95.65	22.22
For>50 To 100, Deduct	-3.32	
For>100 To 250, Deduct	-5.71	
For>250 To 500, Deduct	-9.57	
For>500, Deduct	-13.42	
26 51 19 00-0300 EA 5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB).....	100.68	22.22
For>50 To 100, Deduct	-3.44	
For>100 To 250, Deduct	-5.96	
For>250 To 500, Deduct	-10.07	
For>500, Deduct	-14.18	
26 51 19 00-0301 EA 5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB).....	87.27	22.22
For>50 To 100, Deduct	-3.11	
For>100 To 250, Deduct	-5.29	
For>250 To 500, Deduct	-8.73	
For>500, Deduct	-12.16	
26 51 19 00-0302 EA 5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB).....	125.79	22.22
For>50 To 100, Deduct	-4.07	
For>100 To 250, Deduct	-7.22	
For>250 To 500, Deduct	-12.58	
For>500, Deduct	-17.94	
26 51 19 00-0303 EA Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC).....	70.53	22.22
For>50 To 100, Deduct	-2.69	
For>100 To 250, Deduct	-4.45	
For>250 To 500, Deduct	-7.05	
For>500, Deduct	-9.65	
26 51 19 00-0304 EA Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC).....	83.92	22.22
For>50 To 100, Deduct	-3.02	
For>100 To 250, Deduct	-5.12	
For>250 To 500, Deduct	-8.39	
For>500, Deduct	-11.66	
26 51 19 00-0305 EA Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC).....	67.18	22.22
For>50 To 100, Deduct	-2.61	
For>100 To 250, Deduct	-4.28	
For>250 To 500, Deduct	-6.72	
For>500, Deduct	-9.15	
26 51 19 00-0306 EA Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W).....	1,127.84	54.05
For>50 To 100, Deduct	-30.22	
For>100 To 250, Deduct	-58.42	
For>250 To 500, Deduct	-112.78	
For>500, Deduct	-167.15	
26 51 19 00-0307 EA 120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120).....	416.05	54.05
For>50 To 100, Deduct	-12.43	
For>100 To 250, Deduct	-22.83	
For>250 To 500, Deduct	-41.61	
For>500, Deduct	-60.38	
26 51 19 00-0308 LED Linear Low Bay Fixtures (Lithonia MSL) <small>(26 51 19 00-0265)</small>		
Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0309 EA 4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	967.20	81.09
For>50 To 100, Deduct	-27.56	
For>100 To 250, Deduct	-51.74	
For>250 To 500, Deduct	-96.72	
For>500, Deduct	-141.70	
26 51 19 00-0310 High Bay LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0311 LED High Bay Fixtures (Columbia Lighting LWS) <small>(26 51 19 00-0310)</small>		
26 51 19 00-0312 EA 16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU).....	538.68	148.66
For>50 To 100, Deduct	-20.90	
For>100 To 250, Deduct	-34.37	
For>250 To 500, Deduct	-53.87	
For>500, Deduct	-73.37	
26 51 19 00-0313 EA 16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU).....	538.68	148.66
For>50 To 100, Deduct	-20.90	
For>100 To 250, Deduct	-34.37	
For>250 To 500, Deduct	-53.87	
For>500, Deduct	-73.37	
26 51 19 00-0314 EA 16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU).....	596.61	148.66
For>50 To 100, Deduct	-22.35	
For>100 To 250, Deduct	-37.26	
For>250 To 500, Deduct	-59.66	
For>500, Deduct	-82.06	
26 51 19 00-0315 EA 16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU).....	596.61	148.66
For>50 To 100, Deduct	-22.35	
For>100 To 250, Deduct	-37.26	
For>250 To 500, Deduct	-59.66	
For>500, Deduct	-82.06	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0316	EA	16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU).....	693.15	148.66
			<i>For >50 To 100, Deduct</i>	-24.76	
			<i>For >100 To 250, Deduct</i>	-42.09	
			<i>For >250 To 500, Deduct</i>	-69.32	
			<i>For >500, Deduct</i>	-96.54	
26 51	19 00-0317	EA	16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU).....	693.15	148.66
			<i>For >50 To 100, Deduct</i>	-24.76	
			<i>For >100 To 250, Deduct</i>	-42.09	
			<i>For >250 To 500, Deduct</i>	-69.32	
			<i>For >500, Deduct</i>	-96.54	
26 51	19 00-0318	EA	16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU).....	731.77	148.66
			<i>For >50 To 100, Deduct</i>	-25.73	
			<i>For >100 To 250, Deduct</i>	-44.02	
			<i>For >250 To 500, Deduct</i>	-73.18	
			<i>For >500, Deduct</i>	-102.33	
26 51	19 00-0319	EA	16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU).....	731.77	148.66
			<i>For >50 To 100, Deduct</i>	-25.73	
			<i>For >100 To 250, Deduct</i>	-44.02	
			<i>For >250 To 500, Deduct</i>	-73.18	
			<i>For >500, Deduct</i>	-102.33	
26 51	19 00-0320	EA	16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU).....	760.74	148.66
			<i>For >50 To 100, Deduct</i>	-26.45	
			<i>For >100 To 250, Deduct</i>	-45.47	
			<i>For >250 To 500, Deduct</i>	-76.07	
			<i>For >500, Deduct</i>	-106.68	
26 51	19 00-0321	EA	16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU).....	760.74	148.66
			<i>For >50 To 100, Deduct</i>	-26.45	
			<i>For >100 To 250, Deduct</i>	-45.47	
			<i>For >250 To 500, Deduct</i>	-76.07	
			<i>For >500, Deduct</i>	-106.68	
26 51	19 00-0322		LED High Bay Fixtures (Cree) <small>(26 51 19 00-0310)</small>		
26 51	19 00-0323		LED High Bay Fixtures (CREE®) <small>(26 51 19 00-0322)</small>		
26 51	19 00-0324	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V).....	779.91	148.66
			<i>For >50 To 100, Deduct</i>	-26.93	
			<i>For >100 To 250, Deduct</i>	-46.43	
			<i>For >250 To 500, Deduct</i>	-77.99	
			<i>For >500, Deduct</i>	-109.55	
26 51	19 00-0325	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML).....	916.98	148.66
			<i>For >50 To 100, Deduct</i>	-30.36	
			<i>For >100 To 250, Deduct</i>	-53.28	
			<i>For >250 To 500, Deduct</i>	-91.70	
			<i>For >500, Deduct</i>	-130.11	
26 51	19 00-0326	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V).....	850.00	148.66
			<i>For >50 To 100, Deduct</i>	-28.68	
			<i>For >100 To 250, Deduct</i>	-49.93	
			<i>For >250 To 500, Deduct</i>	-85.00	
			<i>For >500, Deduct</i>	-120.07	
26 51	19 00-0327	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML).....	958.87	148.66
			<i>For >50 To 100, Deduct</i>	-31.40	
			<i>For >100 To 250, Deduct</i>	-55.38	
			<i>For >250 To 500, Deduct</i>	-95.89	
			<i>For >500, Deduct</i>	-136.40	
26 51	19 00-0328	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V).....	804.11	148.66
			<i>For >50 To 100, Deduct</i>	-27.54	
			<i>For >100 To 250, Deduct</i>	-47.64	
			<i>For >250 To 500, Deduct</i>	-80.41	
			<i>For >500, Deduct</i>	-113.18	
26 51	19 00-0329	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML).....	942.11	148.66
			<i>For >50 To 100, Deduct</i>	-30.99	
			<i>For >100 To 250, Deduct</i>	-54.54	
			<i>For >250 To 500, Deduct</i>	-94.21	
			<i>For >500, Deduct</i>	-133.88	
26 51	19 00-0330	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V).....	875.12	148.66
			<i>For >50 To 100, Deduct</i>	-29.31	
			<i>For >100 To 250, Deduct</i>	-51.19	
			<i>For >250 To 500, Deduct</i>	-87.51	
			<i>For >500, Deduct</i>	-123.84	
26 51	19 00-0331	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML).....	983.98	148.66
			<i>For >50 To 100, Deduct</i>	-32.03	
			<i>For >100 To 250, Deduct</i>	-56.63	
			<i>For >250 To 500, Deduct</i>	-98.40	
			<i>For >500, Deduct</i>	-140.16	
26 51	19 00-0332		Accessories For LED High Bay Fixtures (CREE®) <small>(26 51 19 00-0322)</small>		
26 51	19 00-0333	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P).....	62.16	22.22
			<i>For >50 To 100, Deduct</i>	-2.48	
			<i>For >100 To 250, Deduct</i>	-4.03	
			<i>For >250 To 500, Deduct</i>	-6.22	
			<i>For >500, Deduct</i>	-8.40	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0334 EA 15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P).....	62.16	22.22
For>50 To 100, Deduct	-2.48	
For>100 To 250, Deduct	-4.03	
For>250 To 500, Deduct	-6.22	
For>500, Deduct	-8.40	
26 51 19 00-0335 EA 16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N)	78.90	22.22
For>50 To 100, Deduct	-2.90	
For>100 To 250, Deduct	-4.87	
For>250 To 500, Deduct	-7.89	
For>500, Deduct	-10.91	
26 51 19 00-0336 EA 16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16)	112.39	22.22
For>50 To 100, Deduct	-3.74	
For>100 To 250, Deduct	-6.55	
For>250 To 500, Deduct	-11.24	
For>500, Deduct	-15.93	
26 51 19 00-0337 EA 16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16)	129.15	22.22
For>50 To 100, Deduct	-4.15	
For>100 To 250, Deduct	-7.38	
For>250 To 500, Deduct	-12.92	
For>500, Deduct	-18.45	
26 51 19 00-0338 EA 16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16).....	78.90	22.22
For>50 To 100, Deduct	-2.90	
For>100 To 250, Deduct	-4.87	
For>250 To 500, Deduct	-7.89	
For>500, Deduct	-10.91	
26 51 19 00-0339 EA 16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16).....	80.58	22.22
For>50 To 100, Deduct	-2.94	
For>100 To 250, Deduct	-4.95	
For>250 To 500, Deduct	-8.06	
For>500, Deduct	-11.16	
26 51 19 00-0340 EA 16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A).....	62.16	22.22
For>50 To 100, Deduct	-2.48	
For>100 To 250, Deduct	-4.03	
For>250 To 500, Deduct	-6.22	
For>500, Deduct	-8.40	
26 51 19 00-0341 EA 16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP).....	65.50	22.22
For>50 To 100, Deduct	-2.56	
For>100 To 250, Deduct	-4.20	
For>250 To 500, Deduct	-6.55	
For>500, Deduct	-8.90	
26 51 19 00-0342 EA 5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5)	47.08	22.22
For>50 To 100, Deduct	-2.10	
For>100 To 250, Deduct	-3.28	
For>250 To 500, Deduct	-4.71	
For>500, Deduct	-6.14	
26 51 19 00-0343 EA 10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10)	48.76	22.22
For>50 To 100, Deduct	-2.14	
For>100 To 250, Deduct	-3.36	
For>250 To 500, Deduct	-4.88	
For>500, Deduct	-6.39	
26 51 19 00-0344 LED High Bay Fixtures (DLE) (26 51 19 00-0310)		
26 51 19 00-0345 EA 12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV)	1,439.34	148.66
For>50 To 100, Deduct	-43.42	
For>100 To 250, Deduct	-79.40	
For>250 To 500, Deduct	-143.93	
For>500, Deduct	-208.47	
26 51 19 00-0346 EA 18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV)	1,753.96	148.66
For>50 To 100, Deduct	-51.28	
For>100 To 250, Deduct	-95.13	
For>250 To 500, Deduct	-175.40	
For>500, Deduct	-255.66	
26 51 19 00-0347 EA 24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV)	2,046.11	148.66
For>50 To 100, Deduct	-58.59	
For>100 To 250, Deduct	-109.74	
For>250 To 500, Deduct	-204.61	
For>500, Deduct	-299.48	
26 51 19 00-0348 LED High Bay Fixtures (Everlast) (26 51 19 00-0310)		
26 51 19 00-0349 LED High Bay Fixtures (Everlast EL-LED-LG) (26 51 19 00-0348)		
26 51 19 00-0350 EA 13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	991.92	148.66
For>50 To 100, Deduct	-32.23	
For>100 To 250, Deduct	-57.03	
For>250 To 500, Deduct	-99.19	
For>500, Deduct	-141.36	
26 51 19 00-0351 EA 13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	1,045.04	148.66
For>50 To 100, Deduct	-33.56	
For>100 To 250, Deduct	-59.68	
For>250 To 500, Deduct	-104.50	
For>500, Deduct	-149.32	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0352	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	938.81	148.66
			<i>For >50 To 100, Deduct</i>	-30.90	
			<i>For >100 To 250, Deduct</i>	-54.37	
			<i>For >250 To 500, Deduct</i>	-93.88	
			<i>For >500, Deduct</i>	-133.39	
26 51	19 00-0353	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	961.28	148.66
			<i>For >50 To 100, Deduct</i>	-31.46	
			<i>For >100 To 250, Deduct</i>	-55.50	
			<i>For >250 To 500, Deduct</i>	-96.13	
			<i>For >500, Deduct</i>	-136.76	
26 51	19 00-0354	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	1,083.86	148.66
			<i>For >50 To 100, Deduct</i>	-34.53	
			<i>For >100 To 250, Deduct</i>	-61.63	
			<i>For >250 To 500, Deduct</i>	-108.39	
			<i>For >500, Deduct</i>	-155.15	
26 51	19 00-0355	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	1,175.79	148.66
			<i>For >50 To 100, Deduct</i>	-36.83	
			<i>For >100 To 250, Deduct</i>	-66.22	
			<i>For >250 To 500, Deduct</i>	-117.58	
			<i>For >500, Deduct</i>	-168.94	
26 51	19 00-0356	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	1,034.83	148.66
			<i>For >50 To 100, Deduct</i>	-33.30	
			<i>For >100 To 250, Deduct</i>	-59.17	
			<i>For >250 To 500, Deduct</i>	-103.48	
			<i>For >500, Deduct</i>	-147.79	
26 51	19 00-0357	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,114.50	148.66
			<i>For >50 To 100, Deduct</i>	-35.30	
			<i>For >100 To 250, Deduct</i>	-63.16	
			<i>For >250 To 500, Deduct</i>	-111.45	
			<i>For >500, Deduct</i>	-159.74	
26 51	19 00-0358	EA	34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,594.61	148.66
			<i>For >50 To 100, Deduct</i>	-47.30	
			<i>For >100 To 250, Deduct</i>	-87.16	
			<i>For >250 To 500, Deduct</i>	-159.46	
			<i>For >500, Deduct</i>	-231.76	
26 51	19 00-0359	EA	43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,737.61	148.66
			<i>For >50 To 100, Deduct</i>	-50.87	
			<i>For >100 To 250, Deduct</i>	-94.31	
			<i>For >250 To 500, Deduct</i>	-173.76	
			<i>For >500, Deduct</i>	-253.21	
26 51	19 00-0360	EA	66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	2,146.21	148.66
			<i>For >50 To 100, Deduct</i>	-61.09	
			<i>For >100 To 250, Deduct</i>	-114.74	
			<i>For >250 To 500, Deduct</i>	-214.62	
			<i>For >500, Deduct</i>	-314.50	
26 51	19 00-0361		LED High Bay Fixtures (Everlast EL-LED-CS) <small>(26 51 19 00-0348)</small>	644.62	148.66
		EA	5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	644.62	148.66
			<i>For >50 To 100, Deduct</i>	-23.55	
			<i>For >100 To 250, Deduct</i>	-39.66	
			<i>For >250 To 500, Deduct</i>	-64.46	
			<i>For >500, Deduct</i>	-89.26	
26 51	19 00-0363	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	920.42	148.66
			<i>For >50 To 100, Deduct</i>	-30.44	
			<i>For >100 To 250, Deduct</i>	-53.45	
			<i>For >250 To 500, Deduct</i>	-92.04	
			<i>For >500, Deduct</i>	-130.63	
26 51	19 00-0364	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	1,043.00	148.66
			<i>For >50 To 100, Deduct</i>	-33.51	
			<i>For >100 To 250, Deduct</i>	-59.58	
			<i>For >250 To 500, Deduct</i>	-104.30	
			<i>For >500, Deduct</i>	-149.02	
26 51	19 00-0365	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	1,186.01	148.66
			<i>For >50 To 100, Deduct</i>	-37.08	
			<i>For >100 To 250, Deduct</i>	-66.73	
			<i>For >250 To 500, Deduct</i>	-118.60	
			<i>For >500, Deduct</i>	-170.47	
26 51	19 00-0366	EA	30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	1,277.94	148.66
			<i>For >50 To 100, Deduct</i>	-39.38	
			<i>For >100 To 250, Deduct</i>	-71.33	
			<i>For >250 To 500, Deduct</i>	-127.79	
			<i>For >500, Deduct</i>	-184.26	
26 51	19 00-0367		LED High Bay Fixtures (Everlast EL-LED-HB-LG) <small>(26 51 19 00-0348)</small>	828.49	148.66
		EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	828.49	148.66
			<i>For >50 To 100, Deduct</i>	-28.15	
			<i>For >100 To 250, Deduct</i>	-48.86	
			<i>For >250 To 500, Deduct</i>	-82.85	
			<i>For >500, Deduct</i>	-116.84	
26 51	19 00-0369	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	879.56	148.66
			<i>For >50 To 100, Deduct</i>	-29.42	
			<i>For >100 To 250, Deduct</i>	-51.41	
			<i>For >250 To 500, Deduct</i>	-87.96	
			<i>For >500, Deduct</i>	-124.50	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0370	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	951.07	148.66
			<i>For >50 To 100, Deduct</i>	-31.21	
			<i>For >100 To 250, Deduct</i>	-54.99	
			<i>For >250 To 500, Deduct</i>	-95.11	
			<i>For >500, Deduct</i>	-135.23	
26 51 19 00-0371			LED High Bay Fixtures (Everlast EL-LED-LHB) <small>(26 51 19 00-0348)</small>		
26 51 19 00-0372	EA		13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	840.74	148.66
			<i>For >50 To 100, Deduct</i>	-28.45	
			<i>For >100 To 250, Deduct</i>	-49.47	
			<i>For >250 To 500, Deduct</i>	-84.07	
			<i>For >500, Deduct</i>	-118.68	
26 51 19 00-0373	EA		26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	1,022.57	148.66
			<i>For >50 To 100, Deduct</i>	-33.00	
			<i>For >100 To 250, Deduct</i>	-58.56	
			<i>For >250 To 500, Deduct</i>	-102.26	
			<i>For >500, Deduct</i>	-145.95	
26 51 19 00-0374	EA		39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	1,257.51	148.66
			<i>For >50 To 100, Deduct</i>	-38.87	
			<i>For >100 To 250, Deduct</i>	-70.31	
			<i>For >250 To 500, Deduct</i>	-125.75	
			<i>For >500, Deduct</i>	-181.19	
26 51 19 00-0375			LED High Bay Fixtures (Lithonia IBL) <small>(26 51 19 00-0310)</small>		
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0376	EA		9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L).....	666.85	148.66
			<i>For >50 To 100, Deduct</i>	-24.10	
			<i>For >100 To 250, Deduct</i>	-40.78	
			<i>For >250 To 500, Deduct</i>	-66.69	
			<i>For >500, Deduct</i>	-92.59	
26 51 19 00-0377	EA		12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L).....	715.12	148.66
			<i>For >50 To 100, Deduct</i>	-25.31	
			<i>For >100 To 250, Deduct</i>	-43.19	
			<i>For >250 To 500, Deduct</i>	-71.51	
			<i>For >500, Deduct</i>	-99.84	
26 51 19 00-0378	EA		18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L).....	845.46	148.66
			<i>For >50 To 100, Deduct</i>	-28.57	
			<i>For >100 To 250, Deduct</i>	-49.71	
			<i>For >250 To 500, Deduct</i>	-84.55	
			<i>For >500, Deduct</i>	-119.39	
26 51 19 00-0379	EA		24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L).....	897.60	148.66
			<i>For >50 To 100, Deduct</i>	-29.87	
			<i>For >100 To 250, Deduct</i>	-52.31	
			<i>For >250 To 500, Deduct</i>	-89.76	
			<i>For >500, Deduct</i>	-127.21	
26 51 19 00-0380			LED High Bay Fixtures (Metalux SSLED) <small>(26 51 19 00-0310)</small>		
26 51 19 00-0381	EA		12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U).....	773.62	148.66
			<i>For >50 To 100, Deduct</i>	-26.77	
			<i>For >100 To 250, Deduct</i>	-46.11	
			<i>For >250 To 500, Deduct</i>	-77.36	
			<i>For >500, Deduct</i>	-108.61	
26 51 19 00-0382	EA		15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U).....	792.33	148.66
			<i>For >50 To 100, Deduct</i>	-27.24	
			<i>For >100 To 250, Deduct</i>	-47.05	
			<i>For >250 To 500, Deduct</i>	-79.23	
			<i>For >500, Deduct</i>	-111.42	
26 51 19 00-0383	EA		18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U).....	799.87	148.66
			<i>For >50 To 100, Deduct</i>	-27.43	
			<i>For >100 To 250, Deduct</i>	-47.43	
			<i>For >250 To 500, Deduct</i>	-79.99	
			<i>For >500, Deduct</i>	-112.55	
26 51 19 00-0384	EA		24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U).....	871.62	148.66
			<i>For >50 To 100, Deduct</i>	-29.22	
			<i>For >100 To 250, Deduct</i>	-51.01	
			<i>For >250 To 500, Deduct</i>	-87.16	
			<i>For >500, Deduct</i>	-123.31	
26 51 19 00-0385	EA		30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U).....	955.19	148.66
			<i>For >50 To 100, Deduct</i>	-31.31	
			<i>For >100 To 250, Deduct</i>	-55.19	
			<i>For >250 To 500, Deduct</i>	-95.52	
			<i>For >500, Deduct</i>	-135.85	
26 51 19 00-0386	EA		36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U).....	986.55	148.66
			<i>For >50 To 100, Deduct</i>	-32.10	
			<i>For >100 To 250, Deduct</i>	-56.76	
			<i>For >250 To 500, Deduct</i>	-98.66	
			<i>For >500, Deduct</i>	-140.55	
26 51 19 00-0387			LED High Bay Fixtures (PlanLED) <small>(26 51 19 00-0310)</small>		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0388 LED High Bay Fixtures (PlanLED LUNA) <small>(26 51 19 00-0387)</small>		
<i>Note: Includes aluminum alloy chassis.</i>		
26 51 19 00-0389 EA 7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	967.41	148.66
<i>For >50 To 100, Deduct</i>	-31.62	
<i>For >100 To 250, Deduct</i>	-55.80	
<i>For >250 To 500, Deduct</i>	-96.74	
<i>For >500, Deduct</i>	-137.68	
26 51 19 00-0390 EA 9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	1,081.82	148.66
<i>For >50 To 100, Deduct</i>	-34.48	
<i>For >100 To 250, Deduct</i>	-61.52	
<i>For >250 To 500, Deduct</i>	-108.18	
<i>For >500, Deduct</i>	-154.84	
26 51 19 00-0391 EA 13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	1,247.30	148.66
<i>For >50 To 100, Deduct</i>	-38.62	
<i>For >100 To 250, Deduct</i>	-69.80	
<i>For >250 To 500, Deduct</i>	-124.73	
<i>For >500, Deduct</i>	-179.66	
26 51 19 00-0392 EA 16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	1,408.69	148.66
<i>For >50 To 100, Deduct</i>	-42.65	
<i>For >100 To 250, Deduct</i>	-77.87	
<i>For >250 To 500, Deduct</i>	-140.87	
<i>For >500, Deduct</i>	-203.87	
26 51 19 00-0393 LED High Bay Fixtures (PlanLED IBL) <small>(26 51 19 00-0387)</small>		
<i>Note: Includes aluminum alloy chassis.</i>		
26 51 19 00-0394 EA 13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W).....	1,049.13	148.66
<i>For 480 Volt, Add</i>	57.30	
<i>For >50 To 100, Deduct</i>	-33.66	
<i>For >100 To 250, Deduct</i>	-59.89	
<i>For >250 To 500, Deduct</i>	-104.91	
<i>For >500, Deduct</i>	-149.94	
26 51 19 00-0395 EA 21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W).....	1,447.51	148.66
<i>For 480 Volt, Add</i>	72.60	
<i>For >50 To 100, Deduct</i>	-43.62	
<i>For >100 To 250, Deduct</i>	-79.81	
<i>For >250 To 500, Deduct</i>	-144.75	
<i>For >500, Deduct</i>	-209.69	
26 51 19 00-0396 EA 42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W).....	2,544.59	148.66
<i>For 480 Volt, Add</i>	115.18	
<i>For >50 To 100, Deduct</i>	-71.05	
<i>For >100 To 250, Deduct</i>	-134.66	
<i>For >250 To 500, Deduct</i>	-254.46	
<i>For >500, Deduct</i>	-374.26	
26 51 19 00-0397 LED High Bay Fixtures (PlanLED SEGA) <small>(26 51 19 00-0387)</small>		
<i>Note: Includes aluminum alloy chassis.</i>		
26 51 19 00-0398 EA 10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080)	834.62	148.66
<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
<i>For >50 To 100, Deduct</i>	-28.30	
<i>For >100 To 250, Deduct</i>	-49.16	
<i>For >250 To 500, Deduct</i>	-83.46	
<i>For >500, Deduct</i>	-117.76	
26 51 19 00-0399 EA 13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100)	889.78	148.66
<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
<i>For >50 To 100, Deduct</i>	-29.68	
<i>For >100 To 250, Deduct</i>	-51.92	
<i>For >250 To 500, Deduct</i>	-88.98	
<i>For >500, Deduct</i>	-126.03	
26 51 19 00-0400 EA 16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130)	1,079.77	148.66
<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
<i>For >50 To 100, Deduct</i>	-34.43	
<i>For >100 To 250, Deduct</i>	-61.42	
<i>For >250 To 500, Deduct</i>	-107.98	
<i>For >500, Deduct</i>	-154.53	
26 51 19 00-0401 EA 20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	1,216.65	148.66
<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
<i>For >50 To 100, Deduct</i>	-37.85	
<i>For >100 To 250, Deduct</i>	-68.27	
<i>For >250 To 500, Deduct</i>	-121.67	
<i>For >500, Deduct</i>	-175.06	
26 51 19 00-0402 EA 50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400).....	2,225.89	148.66
<i>For >50 To 100, Deduct</i>	-63.08	
<i>For >100 To 250, Deduct</i>	-118.73	
<i>For >250 To 500, Deduct</i>	-222.59	
<i>For >500, Deduct</i>	-326.45	
26 51 19 00-0403 EA 57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500).....	2,405.67	148.66
<i>For >50 To 100, Deduct</i>	-67.57	
<i>For >100 To 250, Deduct</i>	-127.72	
<i>For >250 To 500, Deduct</i>	-240.57	
<i>For >500, Deduct</i>	-353.42	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0404	EA		80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640).....	3,643.29	148.66
			<i>For >50 To 100, Deduct</i>	-98.52	
			<i>For >100 To 250, Deduct</i>	-189.60	
			<i>For >250 To 500, Deduct</i>	-364.33	
			<i>For >500, Deduct</i>	-539.06	
26 51 19 00-0405			Wet/Hazardous Location, LED Fixtures <small>(26 51 19 00-0405)</small>		
26 51 19 00-0406			Wet Location, LED Fixtures <small>(26 51 19 00-0405)</small>		
26 51 19 00-0407			Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) <small>(26 51 19 00-0406)</small>		
			Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0408	EA		3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	3,128.63	113.52
			<i>For Ceiling Mount, Add</i>	27.47	
			<i>For Quick Clip Mounting Option, Add</i>	40.38	
			<i>For Frosted Lens, Add</i>	86.84	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For Stanchion Mount, Add</i>	187.35	
			<i>For Wall Mount, Add</i>	207.39	
			<i>For Polycarbonate Lens, Add</i>	160.95	
			<i>For Teflon Coated Lens, Add</i>	184.31	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For >50 To 100, Deduct</i>	-82.95	
			<i>For >100 To 250, Deduct</i>	-161.16	
			<i>For >250 To 500, Deduct</i>	-312.86	
			<i>For >500, Deduct</i>	-464.56	
26 51 19 00-0409	EA		5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	3,188.56	121.62
			<i>For Ceiling Mount, Add</i>	27.47	
			<i>For Quick Clip Mounting Option, Add</i>	40.38	
			<i>For Frosted Lens, Add</i>	86.84	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For Stanchion Mount, Add</i>	187.35	
			<i>For Wall Mount, Add</i>	207.39	
			<i>For Polycarbonate Lens, Add</i>	160.95	
			<i>For Teflon Coated Lens, Add</i>	184.31	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For >50 To 100, Deduct</i>	-84.78	
			<i>For >100 To 250, Deduct</i>	-164.50	
			<i>For >250 To 500, Deduct</i>	-318.86	
			<i>For >500, Deduct</i>	-473.22	
26 51 19 00-0410	EA		7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	3,601.67	129.74
			<i>For Ceiling Mount, Add</i>	27.47	
			<i>For Quick Clip Mounting Option, Add</i>	40.38	
			<i>For Frosted Lens, Add</i>	86.84	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For Stanchion Mount, Add</i>	187.35	
			<i>For Wall Mount, Add</i>	207.39	
			<i>For Polycarbonate Lens, Add</i>	160.95	
			<i>For Teflon Coated Lens, Add</i>	184.31	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For >50 To 100, Deduct</i>	-95.45	
			<i>For >100 To 250, Deduct</i>	-185.49	
			<i>For >250 To 500, Deduct</i>	-360.17	
			<i>For >500, Deduct</i>	-534.84	
26 51 19 00-0411	EA		9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	4,338.87	137.85
			<i>For Ceiling Mount, Add</i>	27.47	
			<i>For Quick Clip Mounting Option, Add</i>	40.38	
			<i>For Frosted Lens, Add</i>	86.84	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For Stanchion Mount, Add</i>	187.35	
			<i>For Wall Mount, Add</i>	207.39	
			<i>For Polycarbonate Lens, Add</i>	160.95	
			<i>For Teflon Coated Lens, Add</i>	184.31	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For >50 To 100, Deduct</i>	-114.22	
			<i>For >100 To 250, Deduct</i>	-222.69	
			<i>For >250 To 500, Deduct</i>	-433.89	
			<i>For >500, Deduct</i>	-645.09	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0412	EA	11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	5,539.08	145.95
			<i>For Ceiling Mount, Add</i>	27.47	
			<i>For Quick Clip Mounting Option, Add</i>	40.38	
			<i>For Frosted Lens, Add</i>	86.84	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For Stanchion Mount, Add</i>	187.35	
			<i>For Wall Mount, Add</i>	207.39	
			<i>For Polycarbonate Lens, Add</i>	160.95	
			<i>For Teflon Coated Lens, Add</i>	184.31	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For >50 To 100, Deduct</i>	-144.56	
			<i>For >100 To 250, Deduct</i>	-283.04	
			<i>For >250 To 500, Deduct</i>	-553.91	
			<i>For >500, Deduct</i>	-824.78	
26 51	19 00-0413	EA	13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	7,295.78	150.00
			<i>For Ceiling Mount, Add</i>	27.47	
			<i>For Quick Clip Mounting Option, Add</i>	40.38	
			<i>For Frosted Lens, Add</i>	86.84	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For Stanchion Mount, Add</i>	187.35	
			<i>For Wall Mount, Add</i>	207.39	
			<i>For Polycarbonate Lens, Add</i>	160.95	
			<i>For Teflon Coated Lens, Add</i>	184.31	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For >50 To 100, Deduct</i>	-188.64	
			<i>For >100 To 250, Deduct</i>	-371.04	
			<i>For >250 To 500, Deduct</i>	-729.58	
			<i>For >500, Deduct</i>	-1,088.12	
26 51	19 00-0414	EA	18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L).....	8,453.32	154.06
			<i>For Ceiling Mount, Add</i>	27.47	
			<i>For Quick Clip Mounting Option, Add</i>	40.38	
			<i>For Frosted Lens, Add</i>	86.84	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For Stanchion Mount, Add</i>	187.35	
			<i>For Wall Mount, Add</i>	207.39	
			<i>For Polycarbonate Lens, Add</i>	160.95	
			<i>For Teflon Coated Lens, Add</i>	184.31	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For >50 To 100, Deduct</i>	-217.75	
			<i>For >100 To 250, Deduct</i>	-429.09	
			<i>For >250 To 500, Deduct</i>	-845.33	
			<i>For >500, Deduct</i>	-1,261.58	
26 51	19 00-0415		Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) <small>(26 51 19 00-0406)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	19 00-0416	EA	5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L).....	2,816.47	121.62
			<i>For Bolt-On Visor, Add</i>	149.51	
			<i>For Bolt-On Wire Guard, Add</i>	307.52	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For >50 To 100, Deduct</i>	-75.48	
			<i>For >100 To 250, Deduct</i>	-145.89	
			<i>For >250 To 500, Deduct</i>	-281.65	
			<i>For >500, Deduct</i>	-417.40	
26 51	19 00-0417	EA	7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L).....	4,165.45	129.74
			<i>For Bolt-On Visor, Add</i>	149.51	
			<i>For Bolt-On Wire Guard, Add</i>	307.52	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For >50 To 100, Deduct</i>	-109.54	
			<i>For >100 To 250, Deduct</i>	-213.68	
			<i>For >250 To 500, Deduct</i>	-416.55	
			<i>For >500, Deduct</i>	-619.41	
26 51	19 00-0418	EA	9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L).....	4,594.02	137.85
			<i>For Bolt-On Visor, Add</i>	149.51	
			<i>For Bolt-On Wire Guard, Add</i>	307.52	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For >50 To 100, Deduct</i>	-120.59	
			<i>For >100 To 250, Deduct</i>	-235.44	
			<i>For >250 To 500, Deduct</i>	-459.40	
			<i>For >500, Deduct</i>	-683.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0419	EA	11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	5,276.95	145.95
			<i>For Bolt-On Visor, Add</i>	149.51	
			<i>For Bolt-On Wire Guard, Add</i>	307.52	
			<i>For 480 Volt, Add</i>	263.29	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For >50 To 100, Deduct</i>	-138.01	
			<i>For >100 To 250, Deduct</i>	-269.93	
			<i>For >250 To 500, Deduct</i>	-527.70	
			<i>For >500, Deduct</i>	-785.46	
26 51	19 00-0420		Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) <small>(26 51 19 00-0406)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	19 00-0421	EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	1,947.88	113.52
			<i>For 12/24 Volt DC Driver, Add</i>	42.49	
			<i>For Frosted Lens, Add</i>	86.84	
			<i>For 55 Degree Ambient Suitability (AC Only), Add</i>	57.85	
			<i>For Warm White Color Rendering, Add</i>	111.79	
			<i>For Ceiling Mount, Add</i>	132.02	
			<i>For Wall Mount, Add</i>	191.46	
			<i>For Teflon Coated Lens, Add</i>	184.31	
			<i>For Wall Mount With Junction Box, Add</i>	278.13	
			<i>For >50 To 100, Deduct</i>	-53.43	
			<i>For >100 To 250, Deduct</i>	-102.12	
			<i>For >250 To 500, Deduct</i>	-194.79	
			<i>For >500, Deduct</i>	-287.45	
26 51	19 00-0422		Vaportight, LED Fixtures <small>(26 51 19 00-0405)</small>		
26 51	19 00-0423		General Distribution, Vaportight, LED Fixtures (Metalux) <small>(26 51 19 00-0422)</small>		
26 51	19 00-0424	EA	2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U)	335.17	64.87
			<i>For >50 To 100, Deduct</i>	-11.08	
			<i>For >100 To 250, Deduct</i>	-19.46	
			<i>For >250 To 500, Deduct</i>	-33.52	
			<i>For >500, Deduct</i>	-47.57	
26 51	19 00-0425	EA	2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U)	348.71	64.87
			<i>For >50 To 100, Deduct</i>	-11.42	
			<i>For >100 To 250, Deduct</i>	-20.14	
			<i>For >250 To 500, Deduct</i>	-34.87	
			<i>For >500, Deduct</i>	-49.60	
26 51	19 00-0426	EA	2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U)	375.82	64.87
			<i>For >50 To 100, Deduct</i>	-12.10	
			<i>For >100 To 250, Deduct</i>	-21.49	
			<i>For >250 To 500, Deduct</i>	-37.58	
			<i>For >500, Deduct</i>	-53.67	
26 51	19 00-0427	EA	4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U)	343.55	81.09
			<i>For >50 To 100, Deduct</i>	-11.97	
			<i>For >100 To 250, Deduct</i>	-20.56	
			<i>For >250 To 500, Deduct</i>	-34.36	
			<i>For >500, Deduct</i>	-48.15	
26 51	19 00-0428	EA	4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U)	382.42	81.09
			<i>For >50 To 100, Deduct</i>	-12.94	
			<i>For >100 To 250, Deduct</i>	-22.50	
			<i>For >250 To 500, Deduct</i>	-38.24	
			<i>For >500, Deduct</i>	-53.98	
26 51	19 00-0429	EA	4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U)	524.79	81.09
			<i>For >50 To 100, Deduct</i>	-16.50	
			<i>For >100 To 250, Deduct</i>	-29.62	
			<i>For >250 To 500, Deduct</i>	-52.48	
			<i>For >500, Deduct</i>	-75.34	
26 51	19 00-0430		Wide Distribution, Vaportight, LED Fixtures (Metalux) <small>(26 51 19 00-0422)</small>		
26 51	19 00-0431	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U)	362.27	64.87
			<i>For >50 To 100, Deduct</i>	-11.76	
			<i>For >100 To 250, Deduct</i>	-20.82	
			<i>For >250 To 500, Deduct</i>	-36.23	
			<i>For >500, Deduct</i>	-51.64	
26 51	19 00-0432	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U)	375.82	64.87
			<i>For >50 To 100, Deduct</i>	-12.10	
			<i>For >100 To 250, Deduct</i>	-21.49	
			<i>For >250 To 500, Deduct</i>	-37.58	
			<i>For >500, Deduct</i>	-53.67	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0433	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U)	402.92	64.87
			<i>For >50 To 100, Deduct</i>	-12.78	
			<i>For >100 To 250, Deduct</i>	-22.85	
			<i>For >250 To 500, Deduct</i>	-40.29	
			<i>For >500, Deduct</i>	-57.74	
26 51	19 00-0434	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U)	470.60	81.09
			<i>For >50 To 100, Deduct</i>	-15.14	
			<i>For >100 To 250, Deduct</i>	-26.91	
			<i>For >250 To 500, Deduct</i>	-47.06	
			<i>For >500, Deduct</i>	-67.21	
26 51	19 00-0435	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U)	524.79	81.09
			<i>For >50 To 100, Deduct</i>	-16.50	
			<i>For >100 To 250, Deduct</i>	-29.62	
			<i>For >250 To 500, Deduct</i>	-52.48	
			<i>For >500, Deduct</i>	-75.34	
26 51	19 00-0436	EA	4', 8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U)	579.00	81.09
			<i>For >50 To 100, Deduct</i>	-17.85	
			<i>For >100 To 250, Deduct</i>	-32.33	
			<i>For >250 To 500, Deduct</i>	-57.90	
			<i>For >500, Deduct</i>	-83.47	
26 51 19 00-0437 Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) <small>(26 51 19 00-0422)</small>					
26 51	19 00-0438	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U)	362.27	64.87
			<i>For >50 To 100, Deduct</i>	-11.76	
			<i>For >100 To 250, Deduct</i>	-20.82	
			<i>For >250 To 500, Deduct</i>	-36.23	
			<i>For >500, Deduct</i>	-51.64	
26 51	19 00-0439	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U)	376.85	64.87
			<i>For >50 To 100, Deduct</i>	-12.12	
			<i>For >100 To 250, Deduct</i>	-21.55	
			<i>For >250 To 500, Deduct</i>	-37.69	
			<i>For >500, Deduct</i>	-53.82	
26 51	19 00-0440	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U)	402.92	64.87
			<i>For >50 To 100, Deduct</i>	-12.78	
			<i>For >100 To 250, Deduct</i>	-22.85	
			<i>For >250 To 500, Deduct</i>	-40.29	
			<i>For >500, Deduct</i>	-57.74	
26 51	19 00-0441	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U)	470.60	81.09
			<i>For >50 To 100, Deduct</i>	-15.14	
			<i>For >100 To 250, Deduct</i>	-26.91	
			<i>For >250 To 500, Deduct</i>	-47.06	
			<i>For >500, Deduct</i>	-67.21	
26 51	19 00-0442	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U)	524.79	81.09
			<i>For >50 To 100, Deduct</i>	-16.50	
			<i>For >100 To 250, Deduct</i>	-29.62	
			<i>For >250 To 500, Deduct</i>	-52.48	
			<i>For >500, Deduct</i>	-75.34	
26 51	19 00-0443	EA	4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U)	579.00	81.09
			<i>For >50 To 100, Deduct</i>	-17.85	
			<i>For >100 To 250, Deduct</i>	-32.33	
			<i>For >250 To 500, Deduct</i>	-57.90	
			<i>For >500, Deduct</i>	-83.47	
26 51 19 00-0444 Ceiling Mounted LED Fixtures <small>(26 51 19 00-0001)</small>					
26 51 19 00-0445 Ceiling Mounted, LED Drum Fixtures (Enertron) <small>(26 51 19 00-0444)</small>					
26 51	19 00-0446	EA	11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	146.11	54.05
			<i>For >50 To 100, Deduct</i>	-5.68	
			<i>For >100 To 250, Deduct</i>	-9.33	
			<i>For >250 To 500, Deduct</i>	-14.61	
			<i>For >500, Deduct</i>	-19.89	
26 51	19 00-0447	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	152.57	54.05
			<i>For >50 To 100, Deduct</i>	-5.84	
			<i>For >100 To 250, Deduct</i>	-9.66	
			<i>For >250 To 500, Deduct</i>	-15.26	
			<i>For >500, Deduct</i>	-20.86	
26 51	19 00-0448	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	159.02	54.05
			<i>For >50 To 100, Deduct</i>	-6.00	
			<i>For >100 To 250, Deduct</i>	-9.98	
			<i>For >250 To 500, Deduct</i>	-15.90	
			<i>For >500, Deduct</i>	-21.83	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0449	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	165.48	54.05
			<i>For >50 To 100, Deduct</i>	-6.16	
			<i>For >100 To 250, Deduct</i>	-10.30	
			<i>For >250 To 500, Deduct</i>	-16.55	
			<i>For >500, Deduct</i>	-22.79	
26 51	19 00-0450	EA	14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	160.91	59.46
			<i>For >50 To 100, Deduct</i>	-6.25	
			<i>For >100 To 250, Deduct</i>	-10.28	
			<i>For >250 To 500, Deduct</i>	-16.09	
			<i>For >500, Deduct</i>	-21.91	
26 51	19 00-0451	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	167.36	59.46
			<i>For >50 To 100, Deduct</i>	-6.41	
			<i>For >100 To 250, Deduct</i>	-10.60	
			<i>For >250 To 500, Deduct</i>	-16.74	
			<i>For >500, Deduct</i>	-22.87	
26 51	19 00-0452	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	173.82	59.46
			<i>For >50 To 100, Deduct</i>	-6.58	
			<i>For >100 To 250, Deduct</i>	-10.92	
			<i>For >250 To 500, Deduct</i>	-17.38	
			<i>For >500, Deduct</i>	-23.84	
26 51	19 00-0453	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	180.28	59.46
			<i>For >50 To 100, Deduct</i>	-6.74	
			<i>For >100 To 250, Deduct</i>	-11.24	
			<i>For >250 To 500, Deduct</i>	-18.03	
			<i>For >500, Deduct</i>	-24.81	
26 51	19 00-0454	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	193.19	59.46
			<i>For >50 To 100, Deduct</i>	-7.06	
			<i>For >100 To 250, Deduct</i>	-11.89	
			<i>For >250 To 500, Deduct</i>	-19.32	
			<i>For >500, Deduct</i>	-26.75	
26 51	19 00-0455	EA	11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	146.11	54.05
			<i>For >50 To 100, Deduct</i>	-5.68	
			<i>For >100 To 250, Deduct</i>	-9.33	
			<i>For >250 To 500, Deduct</i>	-14.61	
			<i>For >500, Deduct</i>	-19.89	
26 51	19 00-0456	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	152.57	54.05
			<i>For >50 To 100, Deduct</i>	-5.84	
			<i>For >100 To 250, Deduct</i>	-9.66	
			<i>For >250 To 500, Deduct</i>	-15.26	
			<i>For >500, Deduct</i>	-20.86	
26 51	19 00-0457	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	159.02	54.05
			<i>For >50 To 100, Deduct</i>	-6.00	
			<i>For >100 To 250, Deduct</i>	-9.98	
			<i>For >250 To 500, Deduct</i>	-15.90	
			<i>For >500, Deduct</i>	-21.83	
26 51	19 00-0458	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	165.48	54.05
			<i>For >50 To 100, Deduct</i>	-6.16	
			<i>For >100 To 250, Deduct</i>	-10.30	
			<i>For >250 To 500, Deduct</i>	-16.55	
			<i>For >500, Deduct</i>	-22.79	
26 51	19 00-0459	EA	14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	160.91	59.46
			<i>For >50 To 100, Deduct</i>	-6.25	
			<i>For >100 To 250, Deduct</i>	-10.28	
			<i>For >250 To 500, Deduct</i>	-16.09	
			<i>For >500, Deduct</i>	-21.91	
26 51	19 00-0460	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	167.36	59.46
			<i>For >50 To 100, Deduct</i>	-6.41	
			<i>For >100 To 250, Deduct</i>	-10.60	
			<i>For >250 To 500, Deduct</i>	-16.74	
			<i>For >500, Deduct</i>	-22.87	
26 51	19 00-0461	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	173.82	59.46
			<i>For >50 To 100, Deduct</i>	-6.58	
			<i>For >100 To 250, Deduct</i>	-10.92	
			<i>For >250 To 500, Deduct</i>	-17.38	
			<i>For >500, Deduct</i>	-23.84	
26 51	19 00-0462	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	180.28	59.46
			<i>For >50 To 100, Deduct</i>	-6.74	
			<i>For >100 To 250, Deduct</i>	-11.24	
			<i>For >250 To 500, Deduct</i>	-18.03	
			<i>For >500, Deduct</i>	-24.81	
26 51	19 00-0463	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	193.19	59.46
			<i>For >50 To 100, Deduct</i>	-7.06	
			<i>For >100 To 250, Deduct</i>	-11.89	
			<i>For >250 To 500, Deduct</i>	-19.32	
			<i>For >500, Deduct</i>	-26.75	
26 51	19 00-0464	EA	11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	146.11	54.05
			<i>For >50 To 100, Deduct</i>	-5.68	
			<i>For >100 To 250, Deduct</i>	-9.33	
			<i>For >250 To 500, Deduct</i>	-14.61	
			<i>For >500, Deduct</i>	-19.89	
26 51	19 00-0465	EA	11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	152.57	54.05
			<i>For >50 To 100, Deduct</i>	-5.84	
			<i>For >100 To 250, Deduct</i>	-9.66	
			<i>For >250 To 500, Deduct</i>	-15.26	
			<i>For >500, Deduct</i>	-20.86	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0466	EA	11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	159.02	54.05
			<i>For >50 To 100, Deduct</i>	-6.00	
			<i>For >100 To 250, Deduct</i>	-9.98	
			<i>For >250 To 500, Deduct</i>	-15.90	
			<i>For >500, Deduct</i>	-21.83	
26 51	19 00-0467	EA	11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	165.48	54.05
			<i>For >50 To 100, Deduct</i>	-6.16	
			<i>For >100 To 250, Deduct</i>	-10.30	
			<i>For >250 To 500, Deduct</i>	-16.55	
			<i>For >500, Deduct</i>	-22.79	
26 51	19 00-0468	EA	14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	160.91	59.46
			<i>For >50 To 100, Deduct</i>	-6.25	
			<i>For >100 To 250, Deduct</i>	-10.28	
			<i>For >250 To 500, Deduct</i>	-16.09	
			<i>For >500, Deduct</i>	-21.91	
26 51	19 00-0469	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	167.36	59.46
			<i>For >50 To 100, Deduct</i>	-6.41	
			<i>For >100 To 250, Deduct</i>	-10.60	
			<i>For >250 To 500, Deduct</i>	-16.74	
			<i>For >500, Deduct</i>	-22.87	
26 51	19 00-0470	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	173.82	59.46
			<i>For >50 To 100, Deduct</i>	-6.58	
			<i>For >100 To 250, Deduct</i>	-10.92	
			<i>For >250 To 500, Deduct</i>	-17.38	
			<i>For >500, Deduct</i>	-23.84	
26 51	19 00-0471	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	180.28	59.46
			<i>For >50 To 100, Deduct</i>	-6.74	
			<i>For >100 To 250, Deduct</i>	-11.24	
			<i>For >250 To 500, Deduct</i>	-18.03	
			<i>For >500, Deduct</i>	-24.81	
26 51	19 00-0472	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	193.19	59.46
			<i>For >50 To 100, Deduct</i>	-7.06	
			<i>For >100 To 250, Deduct</i>	-11.89	
			<i>For >250 To 500, Deduct</i>	-19.32	
			<i>For >500, Deduct</i>	-26.75	
26 51	19 00-0473	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	146.11	54.05
			<i>For >50 To 100, Deduct</i>	-5.68	
			<i>For >100 To 250, Deduct</i>	-9.33	
			<i>For >250 To 500, Deduct</i>	-14.61	
			<i>For >500, Deduct</i>	-19.89	
26 51	19 00-0474	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	152.57	54.05
			<i>For >50 To 100, Deduct</i>	-5.84	
			<i>For >100 To 250, Deduct</i>	-9.66	
			<i>For >250 To 500, Deduct</i>	-15.26	
			<i>For >500, Deduct</i>	-20.86	
26 51	19 00-0475	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	159.02	54.05
			<i>For >50 To 100, Deduct</i>	-6.00	
			<i>For >100 To 250, Deduct</i>	-9.98	
			<i>For >250 To 500, Deduct</i>	-15.90	
			<i>For >500, Deduct</i>	-21.83	
26 51	19 00-0476	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	165.48	54.05
			<i>For >50 To 100, Deduct</i>	-6.16	
			<i>For >100 To 250, Deduct</i>	-10.30	
			<i>For >250 To 500, Deduct</i>	-16.55	
			<i>For >500, Deduct</i>	-22.79	
26 51	19 00-0477	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	160.91	59.46
			<i>For >50 To 100, Deduct</i>	-6.25	
			<i>For >100 To 250, Deduct</i>	-10.28	
			<i>For >250 To 500, Deduct</i>	-16.09	
			<i>For >500, Deduct</i>	-21.91	
26 51	19 00-0478	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	167.36	59.46
			<i>For >50 To 100, Deduct</i>	-6.41	
			<i>For >100 To 250, Deduct</i>	-10.60	
			<i>For >250 To 500, Deduct</i>	-16.74	
			<i>For >500, Deduct</i>	-22.87	
26 51	19 00-0479	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	173.82	59.46
			<i>For >50 To 100, Deduct</i>	-6.58	
			<i>For >100 To 250, Deduct</i>	-10.92	
			<i>For >250 To 500, Deduct</i>	-17.38	
			<i>For >500, Deduct</i>	-23.84	
26 51	19 00-0480	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	180.28	59.46
			<i>For >50 To 100, Deduct</i>	-6.74	
			<i>For >100 To 250, Deduct</i>	-11.24	
			<i>For >250 To 500, Deduct</i>	-18.03	
			<i>For >500, Deduct</i>	-24.81	
26 51	19 00-0481	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	193.19	59.46
			<i>For >50 To 100, Deduct</i>	-7.06	
			<i>For >100 To 250, Deduct</i>	-11.89	
			<i>For >250 To 500, Deduct</i>	-19.32	
			<i>For >500, Deduct</i>	-26.75	
26 51	19 00-0482	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	200.05	64.19
			<i>For >50 To 100, Deduct</i>	-7.43	
			<i>For >100 To 250, Deduct</i>	-12.44	
			<i>For >250 To 500, Deduct</i>	-20.01	
			<i>For >500, Deduct</i>	-27.58	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0483	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	214.72	64.19
			<i>For >50 To 100, Deduct</i>	-7.80	
			<i>For >100 To 250, Deduct</i>	-13.17	
			<i>For >250 To 500, Deduct</i>	-21.47	
			<i>For >500, Deduct</i>	-29.78	
26 51	19 00-0484	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	211.14	64.19
			<i>For >50 To 100, Deduct</i>	-7.71	
			<i>For >100 To 250, Deduct</i>	-12.99	
			<i>For >250 To 500, Deduct</i>	-21.11	
			<i>For >500, Deduct</i>	-29.24	
26 51	19 00-0485	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	211.09	64.19
			<i>For >50 To 100, Deduct</i>	-7.71	
			<i>For >100 To 250, Deduct</i>	-12.99	
			<i>For >250 To 500, Deduct</i>	-21.11	
			<i>For >500, Deduct</i>	-29.23	
26 51	19 00-0486	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	227.63	64.19
			<i>For >50 To 100, Deduct</i>	-8.12	
			<i>For >100 To 250, Deduct</i>	-13.81	
			<i>For >250 To 500, Deduct</i>	-22.76	
			<i>For >500, Deduct</i>	-31.71	
26 51	19 00-0487	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	222.29	64.19
			<i>For >50 To 100, Deduct</i>	-7.99	
			<i>For >100 To 250, Deduct</i>	-13.55	
			<i>For >250 To 500, Deduct</i>	-22.23	
			<i>For >500, Deduct</i>	-30.91	
26 51	19 00-0488	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	244.65	64.19
			<i>For >50 To 100, Deduct</i>	-8.55	
			<i>For >100 To 250, Deduct</i>	-14.67	
			<i>For >250 To 500, Deduct</i>	-24.47	
			<i>For >500, Deduct</i>	-34.27	
26 51	19 00-0489	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	237.37	64.19
			<i>For >50 To 100, Deduct</i>	-8.37	
			<i>For >100 To 250, Deduct</i>	-14.30	
			<i>For >250 To 500, Deduct</i>	-23.74	
			<i>For >500, Deduct</i>	-33.17	
26 51	19 00-0490	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	237.43	64.19
			<i>For >50 To 100, Deduct</i>	-8.37	
			<i>For >100 To 250, Deduct</i>	-14.30	
			<i>For >250 To 500, Deduct</i>	-23.74	
			<i>For >500, Deduct</i>	-33.18	
26 51	19 00-0491	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	200.05	64.19
			<i>For >50 To 100, Deduct</i>	-7.43	
			<i>For >100 To 250, Deduct</i>	-12.44	
			<i>For >250 To 500, Deduct</i>	-20.01	
			<i>For >500, Deduct</i>	-27.58	
26 51	19 00-0492	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	214.72	64.19
			<i>For >50 To 100, Deduct</i>	-7.80	
			<i>For >100 To 250, Deduct</i>	-13.17	
			<i>For >250 To 500, Deduct</i>	-21.47	
			<i>For >500, Deduct</i>	-29.78	
26 51	19 00-0493	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	211.14	64.19
			<i>For >50 To 100, Deduct</i>	-7.71	
			<i>For >100 To 250, Deduct</i>	-12.99	
			<i>For >250 To 500, Deduct</i>	-21.11	
			<i>For >500, Deduct</i>	-29.24	
26 51	19 00-0494	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	211.09	64.19
			<i>For >50 To 100, Deduct</i>	-7.71	
			<i>For >100 To 250, Deduct</i>	-12.99	
			<i>For >250 To 500, Deduct</i>	-21.11	
			<i>For >500, Deduct</i>	-29.23	
26 51	19 00-0495	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	227.63	64.19
			<i>For >50 To 100, Deduct</i>	-8.12	
			<i>For >100 To 250, Deduct</i>	-13.81	
			<i>For >250 To 500, Deduct</i>	-22.76	
			<i>For >500, Deduct</i>	-31.71	
26 51	19 00-0496	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	222.29	64.19
			<i>For >50 To 100, Deduct</i>	-7.99	
			<i>For >100 To 250, Deduct</i>	-13.55	
			<i>For >250 To 500, Deduct</i>	-22.23	
			<i>For >500, Deduct</i>	-30.91	
26 51	19 00-0497	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	244.65	64.19
			<i>For >50 To 100, Deduct</i>	-8.55	
			<i>For >100 To 250, Deduct</i>	-14.67	
			<i>For >250 To 500, Deduct</i>	-24.47	
			<i>For >500, Deduct</i>	-34.27	
26 51	19 00-0498	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	237.37	64.19
			<i>For >50 To 100, Deduct</i>	-8.37	
			<i>For >100 To 250, Deduct</i>	-14.30	
			<i>For >250 To 500, Deduct</i>	-23.74	
			<i>For >500, Deduct</i>	-33.17	
26 51	19 00-0499	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	237.43	64.19
			<i>For >50 To 100, Deduct</i>	-8.37	
			<i>For >100 To 250, Deduct</i>	-14.30	
			<i>For >250 To 500, Deduct</i>	-23.74	
			<i>For >500, Deduct</i>	-33.18	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0500	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40).....	200.05	64.19
			<i>For >50 To 100, Deduct</i>	-7.43	
			<i>For >100 To 250, Deduct</i>	-12.44	
			<i>For >250 To 500, Deduct</i>	-20.01	
			<i>For >500, Deduct</i>	-27.58	
26 51	19 00-0501	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	214.72	64.19
			<i>For >50 To 100, Deduct</i>	-7.80	
			<i>For >100 To 250, Deduct</i>	-13.17	
			<i>For >250 To 500, Deduct</i>	-21.47	
			<i>For >500, Deduct</i>	-29.78	
26 51	19 00-0502	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	211.14	64.19
			<i>For >50 To 100, Deduct</i>	-7.71	
			<i>For >100 To 250, Deduct</i>	-12.99	
			<i>For >250 To 500, Deduct</i>	-21.11	
			<i>For >500, Deduct</i>	-29.24	
26 51	19 00-0503	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40).....	211.09	64.19
			<i>For >50 To 100, Deduct</i>	-7.71	
			<i>For >100 To 250, Deduct</i>	-12.99	
			<i>For >250 To 500, Deduct</i>	-21.11	
			<i>For >500, Deduct</i>	-29.23	
26 51	19 00-0504	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	227.63	64.19
			<i>For >50 To 100, Deduct</i>	-8.12	
			<i>For >100 To 250, Deduct</i>	-13.81	
			<i>For >250 To 500, Deduct</i>	-22.76	
			<i>For >500, Deduct</i>	-31.71	
26 51	19 00-0505	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	222.29	64.19
			<i>For >50 To 100, Deduct</i>	-7.99	
			<i>For >100 To 250, Deduct</i>	-13.55	
			<i>For >250 To 500, Deduct</i>	-22.23	
			<i>For >500, Deduct</i>	-30.91	
26 51	19 00-0506	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	244.65	64.19
			<i>For >50 To 100, Deduct</i>	-8.55	
			<i>For >100 To 250, Deduct</i>	-14.67	
			<i>For >250 To 500, Deduct</i>	-24.47	
			<i>For >500, Deduct</i>	-34.27	
26 51	19 00-0507	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40).....	237.37	64.19
			<i>For >50 To 100, Deduct</i>	-8.37	
			<i>For >100 To 250, Deduct</i>	-14.30	
			<i>For >250 To 500, Deduct</i>	-23.74	
			<i>For >500, Deduct</i>	-33.17	
26 51	19 00-0508	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40).....	237.43	64.19
			<i>For >50 To 100, Deduct</i>	-8.37	
			<i>For >100 To 250, Deduct</i>	-14.30	
			<i>For >250 To 500, Deduct</i>	-23.74	
			<i>For >500, Deduct</i>	-33.18	
26 51	19 00-0509	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50).....	200.05	64.19
			<i>For >50 To 100, Deduct</i>	-7.43	
			<i>For >100 To 250, Deduct</i>	-12.44	
			<i>For >250 To 500, Deduct</i>	-20.01	
			<i>For >500, Deduct</i>	-27.58	
26 51	19 00-0510	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	214.72	64.19
			<i>For >50 To 100, Deduct</i>	-7.80	
			<i>For >100 To 250, Deduct</i>	-13.17	
			<i>For >250 To 500, Deduct</i>	-21.47	
			<i>For >500, Deduct</i>	-29.78	
26 51	19 00-0511	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50).....	211.14	64.19
			<i>For >50 To 100, Deduct</i>	-7.71	
			<i>For >100 To 250, Deduct</i>	-12.99	
			<i>For >250 To 500, Deduct</i>	-21.11	
			<i>For >500, Deduct</i>	-29.24	
26 51	19 00-0512	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50).....	211.09	64.19
			<i>For >50 To 100, Deduct</i>	-7.71	
			<i>For >100 To 250, Deduct</i>	-12.99	
			<i>For >250 To 500, Deduct</i>	-21.11	
			<i>For >500, Deduct</i>	-29.23	
26 51	19 00-0513	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	227.63	64.19
			<i>For >50 To 100, Deduct</i>	-8.12	
			<i>For >100 To 250, Deduct</i>	-13.81	
			<i>For >250 To 500, Deduct</i>	-22.76	
			<i>For >500, Deduct</i>	-31.71	
26 51	19 00-0514	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	222.29	64.19
			<i>For >50 To 100, Deduct</i>	-7.99	
			<i>For >100 To 250, Deduct</i>	-13.55	
			<i>For >250 To 500, Deduct</i>	-22.23	
			<i>For >500, Deduct</i>	-30.91	
26 51	19 00-0515	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	244.65	64.19
			<i>For >50 To 100, Deduct</i>	-8.55	
			<i>For >100 To 250, Deduct</i>	-14.67	
			<i>For >250 To 500, Deduct</i>	-24.47	
			<i>For >500, Deduct</i>	-34.27	
26 51	19 00-0516	EA	19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50).....	237.37	64.19
			<i>For >50 To 100, Deduct</i>	-8.37	
			<i>For >100 To 250, Deduct</i>	-14.30	
			<i>For >250 To 500, Deduct</i>	-23.74	
			<i>For >500, Deduct</i>	-33.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0517 EA 19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50).....	237.43	64.19
For >50 To 100, Deduct	-8.37	
For >100 To 250, Deduct	-14.30	
For >250 To 500, Deduct	-23.74	
For >500, Deduct	-33.18	
26 51 19 00-0518 Ceiling Mounted, LED Mushroom Fixtures (Mobern) (26 51 19 00-0444)		
26 51 19 00-0519 EA 14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30).....	200.97	59.46
For >50 To 100, Deduct	-7.25	
For >100 To 250, Deduct	-12.28	
For >250 To 500, Deduct	-20.10	
For >500, Deduct	-27.92	
26 51 19 00-0520 Ceiling Mounted, LED Fixtures (Sylvania) (26 51 19 00-0444)		
26 51 19 00-0521 EA 12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	699.81	64.19
For >50 To 100, Deduct	-19.93	
For >100 To 250, Deduct	-37.42	
For >250 To 500, Deduct	-69.98	
For >500, Deduct	-102.54	
26 51 19 00-0522 EA 2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMK1T1A/24A/WH)	278.28	54.05
For >50 To 100, Deduct	-8.98	
For >100 To 250, Deduct	-15.94	
For >250 To 500, Deduct	-27.83	
For >500, Deduct	-39.71	
26 51 19 00-0523 EA 2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMK1T1A/24A/WH)	345.10	62.97
For >50 To 100, Deduct	-10.99	
For >100 To 250, Deduct	-19.62	
For >250 To 500, Deduct	-34.51	
For >500, Deduct	-49.40	
26 51 19 00-0524 EA 2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMK1T1A/24A/WH)	348.93	62.97
For >50 To 100, Deduct	-11.09	
For >100 To 250, Deduct	-19.81	
For >250 To 500, Deduct	-34.89	
For >500, Deduct	-49.97	
26 51 19 00-0525 Refrigeration/Display LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0526 Refrigeration/Display LED Fixtures (Lithonia) (26 51 19 00-0525)		
Note: Fixtures exclude driver.		
26 51 19 00-0527 EA 5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	291.23	62.97
For >50 To 100, Deduct	-9.65	
For >100 To 250, Deduct	-16.93	
For >250 To 500, Deduct	-29.12	
For >500, Deduct	-41.32	
26 51 19 00-0528 EA 5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	390.65	111.49
For >50 To 100, Deduct	-13.99	
For >100 To 250, Deduct	-23.76	
For >250 To 500, Deduct	-39.07	
For >500, Deduct	-54.37	
26 51 19 00-0529 EA Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	353.34	89.20
For >50 To 100, Deduct	-12.21	
For >100 To 250, Deduct	-21.05	
For >250 To 500, Deduct	-35.33	
For >500, Deduct	-49.62	
26 51 19 00-0530 Pendant Mount, LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0531 Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) (26 51 19 00-0530)		
26 51 19 00-0532 EA 2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S)	2,547.07	137.85
For >50 To 100, Deduct	-69.42	
For >100 To 250, Deduct	-133.10	
For >250 To 500, Deduct	-254.71	
For >500, Deduct	-376.32	
26 51 19 00-0533 EA 3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S)	3,827.52	145.95
For >50 To 100, Deduct	-101.77	
For >100 To 250, Deduct	-197.46	
For >250 To 500, Deduct	-382.75	
For >500, Deduct	-568.05	
26 51 19 00-0534 EA 4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S)	4,878.12	154.06
For >50 To 100, Deduct	-128.37	
For >100 To 250, Deduct	-250.33	
For >250 To 500, Deduct	-487.81	
For >500, Deduct	-725.30	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0535	EA	5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S)	6,158.58	162.17
			<i>For >50 To 100, Deduct</i>	-160.72	
			<i>For >100 To 250, Deduct</i>	-314.69	
			<i>For >250 To 500, Deduct</i>	-615.86	
			<i>For >500, Deduct</i>	-917.03	
26 51	19 00-0536	EA	2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S)	2,699.02	137.85
			<i>For >50 To 100, Deduct</i>	-73.22	
			<i>For >100 To 250, Deduct</i>	-140.69	
			<i>For >250 To 500, Deduct</i>	-269.90	
			<i>For >500, Deduct</i>	-399.11	
26 51	19 00-0537	EA	3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S)	4,028.86	145.95
			<i>For >50 To 100, Deduct</i>	-106.80	
			<i>For >100 To 250, Deduct</i>	-207.52	
			<i>For >250 To 500, Deduct</i>	-402.89	
			<i>For >500, Deduct</i>	-598.25	
26 51	19 00-0538	EA	4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S)	5,081.36	154.06
			<i>For >50 To 100, Deduct</i>	-133.45	
			<i>For >100 To 250, Deduct</i>	-260.49	
			<i>For >250 To 500, Deduct</i>	-508.14	
			<i>For >500, Deduct</i>	-755.79	
26 51	19 00-0539	EA	5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S)	6,386.51	162.17
			<i>For >50 To 100, Deduct</i>	-166.42	
			<i>For >100 To 250, Deduct</i>	-326.08	
			<i>For >250 To 500, Deduct</i>	-638.65	
			<i>For >500, Deduct</i>	-951.22	
26 51	19 00-0540		Pendant Mount, LED Commercial Fixtures (DMF) <small>(26 51 19 00-0530)</small>		
26 51	19 00-0541	EA	3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	995.59	81.09
			<i>For >50 To 100, Deduct</i>	-28.27	
			<i>For >100 To 250, Deduct</i>	-53.16	
			<i>For >250 To 500, Deduct</i>	-99.56	
			<i>For >500, Deduct</i>	-145.96	
26 51	19 00-0542		LED Track Lighting Fixtures <small>(26 51 19)</small>		
26 51	19 00-0543	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	199.59	24.70
			<i>For >50 To 100, Deduct</i>	-5.91	
			<i>For >100 To 250, Deduct</i>	-10.90	
			<i>For >250 To 500, Deduct</i>	-19.96	
			<i>For >500, Deduct</i>	-29.01	
26 51	19 00-0544	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	341.21	24.70
			<i>For >50 To 100, Deduct</i>	-9.45	
			<i>For >100 To 250, Deduct</i>	-17.99	
			<i>For >250 To 500, Deduct</i>	-34.12	
			<i>For >500, Deduct</i>	-50.26	
26 51	19 00-0545	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	204.97	24.70
			<i>For >50 To 100, Deduct</i>	-6.05	
			<i>For >100 To 250, Deduct</i>	-11.17	
			<i>For >250 To 500, Deduct</i>	-20.50	
			<i>For >500, Deduct</i>	-29.82	
26 51	23		HID Interior Lighting <small>(26 51)</small>		
26 51	23 00-0001		Large Interior Area Fixtures <small>(26 51 23)</small>		
26 51	23 00-0002		Recessed Mounted, Large Interior Area Fixtures <small>(26 51 23 00-0001)</small> Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51	23 00-0003		High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures <small>(26 51 23 00-0002)</small>		
26 51	23 00-0004	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	463.22	157.67
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51	23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	483.98	167.42
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51	23 00-0006	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	514.19	191.09
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51	23 00-0007		Metal Halide, Recessed Mounted, Large Interior Area Fixtures <small>(26 51 23 00-0002)</small>		
26 51	23 00-0008	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	471.99	157.67
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51	23 00-0009	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	487.50	167.42
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0010 EA 400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	526.83 40.50 60.00	191.09
26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001) Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures (26 51 23 00-0011)		
26 51 23 00-0013 EA 150 Watt High Pressure Sodium, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	447.32 40.50 75.47 60.00 90.00	144.06
26 51 23 00-0014 EA 250 Watt High Pressure Sodium, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	462.09 40.50 75.47 60.00 90.00	152.98
26 51 23 00-0015 EA 400 Watt High Pressure Sodium, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	495.68 40.50 75.47 60.00 90.00	174.60
26 51 23 00-0016 Metal Halide, Low Bay Fixtures (26 51 23 00-0011)		
26 51 23 00-0017 EA 175 Watt Metal Halide, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	443.21 40.50 75.47 60.00 90.00	144.06
26 51 23 00-0018 EA 250 Watt Metal Halide, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	457.19 40.50 75.47 60.00 90.00	152.98
26 51 23 00-0019 EA 400 Watt Metal Halide, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	501.42 40.50 75.47 60.00 90.00	174.60
26 51 23 00-0020 High Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001) Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 23 00-0021 High Pressure Sodium, High Bay Fixtures (26 51 23 00-0020) Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0022 EA 250 Watt High Pressure Sodium, High Bay Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	422.59 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	152.98
26 51 23 00-0023 EA 400 Watt High Pressure Sodium, High Bay Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	460.34 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	174.60
26 51 23 00-0024 EA 1,000 Watt High Pressure Sodium, High Bay Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	643.44 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	183.65
26 51 23 00-0025 Metal Halide, High Bay Fixtures (26 51 23 00-0020) Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0026 EA 250 Watt Metal Halide, High Bay Fixture	399.14	152.98
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 23 00-0027 EA 400 Watt Metal Halide, High Bay Fixture	443.20	174.60
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 23 00-0028 EA 1,000 Watt Metal Halide, High Bay Fixture	555.08	183.65
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 23 00-0029 Induction, High Bay Fixtures (26 51 23 00-0020)		
26 51 23 00-0030 Induction, High Bay Fixtures (Everlast®) (26 51 23 00-0029)		
Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0031 EA 100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	507.47	133.79
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0032 EA 120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	542.23	138.25
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0033 EA 150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	552.85	142.71
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0034 EA 200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	599.19	147.17
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0035 EA 250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	614.64	151.63
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0036 EA 100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	541.27	133.79
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0037 EA 120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	576.02	138.25
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0038 EA 150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	586.65	142.71
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0039 EA 200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	632.98	147.17
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0040 EA 250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	648.43	151.63
For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0041 Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0001)		
Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0042 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)		
26 51 23 00-0043 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	344.78	102.50
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0044 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	682.36	102.50
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0045 EA 250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	782.18	102.50
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0046 EA 400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	1,041.29	102.50
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0047 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)		
26 51 23 00-0048 EA 100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	332.21	102.50
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0049 EA 175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	351.49	113.74
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0050 EA 250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	374.86	123.20
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0051 EA 400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	423.23	146.72
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0052 High Pressure Sodium, Recessed Fixture Housings (26 51 23)		
26 51 23 00-0053 EA 4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	152.66	42.60
For ICAT Housing, Add	11.49	
26 51 23 00-0054 EA 5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	158.61	42.60
For ICAT Housing, Add	12.26	
26 51 23 00-0055 EA 6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	166.52	44.37
For ICAT Housing, Add	12.89	
26 51 23 00-0056 EA 7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	172.72	46.29
For ICAT Housing, Add	13.31	
26 51 23 00-0057 EA 8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	178.87	48.22
For ICAT Housing, Add	13.73	
26 51 23 00-0058 EA 10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	184.89	51.17
For ICAT Housing, Add	13.93	
26 51 23 00-0059 Metal Halide Track Lighting Fixtures (26 51 23)		
26 51 23 00-0060 EA Metal Halide Track Lighting Fixture	97.94	24.70
26 51 23 00-0061 Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)		
26 51 23 00-0062 EA 75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	185.95	59.16
For Wall Mounted, Add	6.30	
26 51 23 00-0063 EA 100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	190.92	59.16
For Wall Mounted, Add	6.30	
26 51 23 00-0064 EA 150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	201.02	59.16
For Wall Mounted, Add	6.30	
26 51 23 00-0065 EA 175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	216.20	59.16
For Wall Mounted, Add	6.30	
26 51 23 00-0066 High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)		
26 51 23 00-0067 EA 70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	174.11	59.16
For Wall Mounted, Add	6.67	
26 51 23 00-0068 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	180.29	59.16
For Wall Mounted, Add	6.67	
26 51 23 00-0069 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	204.16	59.16
For Wall Mounted, Add	6.67	
26 51 33 Interior Lighting Accessories (26 51)		
26 51 33 00-0001 Accessories And Modifiers For Fixtures (26 51 33)		
26 51 33 00-0002 Lens Modifications (26 51 33 00-0001)		
26 51 33 00-0003 EA For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	36.26	
26 51 33 00-0004 EA For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	44.79	
26 51 33 00-0005 EA For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	46.92	
26 51 33 00-0006 EA For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	51.18	
26 51 33 00-0007 EA For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	61.85	
26 51 33 00-0008 EA For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	14.93	
26 51 33 00-0009 EA For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	21.33	
26 51 33 00-0010 EA For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	23.46	
26 51 33 00-0011 EA For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	27.73	
26 51 33 00-0012 Pendant Mounting Modifications (26 51 33 00-0001)		
Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013 EA For Pendant Mounting Up to 1'-6" Long Section	16.21	
Note: Per pendant.		
26 51 33 00-0014 EA For Pendant Mounting 2' Long Section	18.77	
Note: Per pendant.		
26 51 33 00-0015 EA For Pendant Mounting 3' Long Section	24.01	
Note: Per pendant.		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 33 00-0016 EA For Pendant Mounting 4' Long Section..... Note: Per pendant.	28.36	
26 51 33 00-0017 EA For Pendant Mounting 6' Long Section..... Note: Per pendant.	35.83	
26 51 33 00-0018 EA For Pendant Mounting 8' Long Section..... Note: Per pendant.	48.63	
26 51 33 00-0019 Fluorescent Light Accessories (26 51 33 00-0001)		
26 51 33 00-0020 EA Blank Metal Light Box Plate.....	24.44	
26 51 33 00-0021 EA Factory Installed Fixture Mounted Occupancy Sensor.....	164.20	
26 51 33 00-0022 Wire Guards (26 51 33 00-0001)		
26 51 33 00-0023 EA Wire Guard for 6" x 2' Fixture.....	71.82	7.40
26 51 33 00-0024 EA Wire Guard for 6" x 4' Fixture.....	101.23	11.85
26 51 33 00-0025 EA Wire Guard for 1" x 2' Fixture.....	80.14	8.15
26 51 33 00-0026 EA Wire Guard for 1" x 4' Fixture.....	114.12	12.59
26 51 33 00-0027 EA Wire Guard for 2" x 2' Fixture.....	97.60	8.89
26 51 33 00-0028 EA Wire Guard for 2" x 4' Fixture.....	133.83	13.33
26 51 33 00-0029 Lighting Accessories (26 51 33)		
26 51 33 00-0030 Modular Flexible Wiring Systems (26 51 33 00-0029)		
26 51 33 00-0031 EA 10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10).....	105.08	7.98
26 51 33 00-0032 EA 15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15).....	122.07	7.98
26 51 33 00-0033 EA 20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20).....	146.88	7.98
26 51 33 00-0034 EA 15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15).....	122.07	7.98
26 51 33 00-0035 EA 3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E).....	106.67	7.98
26 51 33 00-0036 EA 13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13).....	156.62	7.98
26 51 33 00-0037 EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M).....	86.93	7.98
26 51 33 00-0038 EA 3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E).....	97.97	7.98
26 51 33 00-0039 EA 7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07).....	124.59	7.98
26 51 33 00-0040 EA 7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07).....	124.59	7.98
26 51 33 00-0041 EA 7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07).....	126.67	7.98
26 51 33 00-0042 EA 7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07).....	125.90	7.98
26 51 33 00-0043 EA 7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07).....	125.90	7.98
26 51 33 00-0044 EA 15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15).....	144.50	7.98
26 51 33 00-0045 EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D).....	67.15	7.98
26 51 33 00-0046 EA 3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E).....	62.81	7.98
26 51 33 00-0047 EA 3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E).....	64.32	7.98
26 51 33 00-0048 EA 3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E).....	80.41	7.98
26 51 33 00-0049 EA 15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15).....	105.08	7.98
26 51 33 00-0050 EA 15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15).....	107.70	7.98
26 51 33 00-0051 EA Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E).....	84.41	7.98
26 51 33 00-0052 EA 3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E).....	62.81	7.98
26 51 33 00-0053 EA Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning.....	66.55	
26 51 33 00-0054 Additional Lighting Wire Whips (26 51 33)		
26 51 33 00-0055 LF For Each Additional LF Of Interior Lighting Wire Whip, Add..... Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	1.78	
26 51 33 00-0056 Removal And Reinstallation Of Light Fixtures (26 51 33)		
Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 33 00-0057 EA Removal And Reinstallation Of Lay-In Fluorescent Light Fixture.....	157.44	
26 51 33 00-0058 EA Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture.....	179.93	
26 52 Safety Lighting (26 50)		
26 52 13 Emergency and Exit Lighting (26 52)		
26 52 13 13 Emergency Lighting (26 52 13)		
26 52 13 13-0001 Commercial Emergency Lights (26 52 13 13)		
26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights (26 52 13 13-0001)		
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0003 EA 3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED).....	252.86	36.98
26 52 13 13-0004 EA 10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2).....	177.67	36.98
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 13 13-0005 EA 18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618).....	276.07	36.98
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0006 EA 27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627).....	320.63	36.98
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 13 13-0007 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654).....	473.72	36.98
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 13 13-0008 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254).....	535.87	36.98
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 13 13-0009 EA 72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272).....	778.00	36.98
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 13 13-0010 Remote Heads For Commercial Emergency Lights (26 52 13 13-0001)		
Note: For use with fixtures that have remote capability.		
26 52 13 13-0011 EA 6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	170.42	22.19
26 52 13 13-0012 EA 6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	171.54	22.19
26 52 13 13-0013 EA 8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	175.30	22.19
26 52 13 13-0014 EA 12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	174.69	22.19
26 52 13 13-0015 EA 12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	151.62	22.19
26 52 13 13-0016 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	105.79	22.19
26 52 13 13-0017 Industrial Emergency Lights (26 52 13 13)		
26 52 13 13-0018 Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0017)		
26 52 13 13-0019 Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018)		
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0020 EA 16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	439.91	36.98
For Wireguard, Add	220.18	
26 52 13 13-0021 EA 24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24).....	370.38	36.98
For Wireguard, Add	220.18	
26 52 13 13-0022 EA 36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36).....	573.58	36.98
For Wireguard, Add	220.18	
26 52 13 13-0023 EA 50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	608.66	36.98
For Wireguard, Add	220.18	
26 52 13 13-0024 EA 125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	865.84	36.98
For Wireguard, Add	234.52	
26 52 13 13-0025 EA 275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	1,357.85	36.98
For Wireguard, Add	234.52	
26 52 13 13-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018)		
Note: For use with fixtures that have remote capability.		
26 52 13 13-0027 EA 8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	132.20	22.19
For Wireguard, Add	177.69	
26 52 13 13-0028 EA 12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	136.57	22.19
For Wireguard, Add	177.69	
26 52 13 13-0029 EA 8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	132.81	22.19
For Wireguard, Add	177.69	
26 52 13 13-0030 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	133.52	22.19
For Wireguard, Add	177.69	
26 52 13 13-0031 EA 12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	136.57	22.19
For Wireguard, Add	177.69	
26 52 13 13-0032 EA 12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	158.73	22.19
For Wireguard, Add	177.69	
26 52 13 13-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0017)		
26 52 13 13-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0033)		
Note: Includes lead-calcium batteries and two adjustable lamp heads.		



Electrical	26	26
Lighting	26 50	
Safety Lighting	26 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0035 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	434.32	36.98
For Wireguard, Add	214.09	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0036 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	471.42	36.98
For Wireguard, Add	214.09	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0037 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	461.26	36.98
For Wireguard, Add	214.09	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0038 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	487.18	36.98
For Wireguard, Add	214.09	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0039 EA 100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	815.52	36.98
For Wireguard, Add	214.09	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0040 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	642.20	36.98
For Wireguard, Add	214.09	
For Self-Diagnostics, Add	61.50	
26 52 13 13-0041 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	718.44	36.98
For Wireguard, Add	214.09	
For Self-Diagnostics, Add	61.50	
26 52 13 13-0042 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	757.07	36.98
For Wireguard, Add	214.09	
For Self-Diagnostics, Add	61.50	
26 52 13 13-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 13 13-0033)</small>		
Note: For use with fixtures that have remote capability.		
26 52 13 13-0044 EA 9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	115.43	22.19
26 52 13 13-0045 EA 12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	124.27	22.19
26 52 13 13-0046 EA 9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	115.53	22.19
26 52 13 13-0047 EA 12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	122.03	22.19
26 52 13 13-0048 EA 12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	105.32	22.19
26 52 13 13-0049 Outdoor Emergency Lights <small>(26 52 13 13)</small>		
26 52 13 13-0050 Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights <small>(26 52 13 13-0049)</small>		
Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	679.31	36.98
26 52 13 13-0052 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	808.92	36.98
26 52 13 13-0053 Recessed Emergency Lights <small>(26 52 13 13)</small>		
26 52 13 13-0054 EA 10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	738.86	36.98
For Wire Guard, Add	60.00	
26 52 13 13-0055 EA 16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	595.42	73.95
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
For Wireguard, Add	234.52	
26 52 13 13-0056 EA 50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	846.62	73.95
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
For Wireguard, Add	234.52	
26 52 13 13-0057 Square Wraparound Emergency Lights <small>(26 52 13 13)</small>		
26 52 13 13-0058 EA 10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	342.67	36.98
26 52 13 16 Exit Signs <small>(26 52 13)</small>		
Note: Excludes pendants.		
26 52 13 16-0001 LED Exit Signs <small>(26 52 13 16)</small>		
Note: Includes red LED lamps.		

26	Electrical
26 50	Lighting
26 52	Safety Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0002	EA		Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	210.92	54.06
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For >50 To 100, Deduct</i>	-7.98	
			<i>For >100 To 250, Deduct</i>	-13.25	
			<i>For >250 To 500, Deduct</i>	-21.09	
			<i>For >500, Deduct</i>	-28.94	
26 52 13 16-0003	EA		Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	210.92	54.06
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For >50 To 100, Deduct</i>	-7.98	
			<i>For >100 To 250, Deduct</i>	-13.25	
			<i>For >250 To 500, Deduct</i>	-21.09	
			<i>For >500, Deduct</i>	-28.94	
26 52 13 16-0004	EA		Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6)	287.82	54.06
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
			<i>For >50 To 100, Deduct</i>	-9.90	
			<i>For >100 To 250, Deduct</i>	-17.09	
			<i>For >250 To 500, Deduct</i>	-28.78	
			<i>For >500, Deduct</i>	-40.47	
26 52 13 16-0005	EA		Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	287.82	54.06
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
			<i>For >50 To 100, Deduct</i>	-9.90	
			<i>For >100 To 250, Deduct</i>	-17.09	
			<i>For >250 To 500, Deduct</i>	-28.78	
			<i>For >500, Deduct</i>	-40.47	
26 52 13 16-0006	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R)	315.30	54.06
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For >50 To 100, Deduct</i>	-10.59	
			<i>For >100 To 250, Deduct</i>	-18.47	
			<i>For >250 To 500, Deduct</i>	-31.53	
			<i>For >500, Deduct</i>	-44.59	
26 52 13 16-0007	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R)	355.38	54.06
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For >50 To 100, Deduct</i>	-11.59	
			<i>For >100 To 250, Deduct</i>	-20.47	
			<i>For >250 To 500, Deduct</i>	-35.54	
			<i>For >500, Deduct</i>	-50.60	
26 52 13 16-0008	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N)	298.55	54.06
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
			<i>For >50 To 100, Deduct</i>	-10.17	
			<i>For >100 To 250, Deduct</i>	-17.63	
			<i>For >250 To 500, Deduct</i>	-29.86	
			<i>For >500, Deduct</i>	-42.08	
26 52 13 16-0009	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)	327.64	54.06
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
			<i>For >50 To 100, Deduct</i>	-10.89	
			<i>For >100 To 250, Deduct</i>	-19.09	
			<i>For >250 To 500, Deduct</i>	-32.76	
			<i>For >500, Deduct</i>	-46.44	
26 52 13 16-0010	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4)	381.68	54.06
			Note: Includes two circular side mounted krypton emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For >50 To 100, Deduct</i>	-13.24	
			<i>For >100 To 250, Deduct</i>	-22.78	
			<i>For >250 To 500, Deduct</i>	-38.17	
			<i>For >500, Deduct</i>	-53.55	
26 52 13 16-0011	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6)	330.98	54.06
			Note: Includes two circular side mounted LED emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For >50 To 100, Deduct</i>	-11.97	
			<i>For >100 To 250, Deduct</i>	-20.25	
			<i>For >250 To 500, Deduct</i>	-33.10	
			<i>For >500, Deduct</i>	-45.95	
26 52 13 16-0012	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)	472.46	54.06
			Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For >50 To 100, Deduct</i>	-15.51	
			<i>For >100 To 250, Deduct</i>	-27.32	
			<i>For >250 To 500, Deduct</i>	-47.25	
			<i>For >500, Deduct</i>	-67.17	
26 52 13 16-0013	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM)	493.58	54.06
			Note: Includes two circular side mounted PAR 36 emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For >50 To 100, Deduct</i>	-16.04	
			<i>For >100 To 250, Deduct</i>	-28.38	
			<i>For >250 To 500, Deduct</i>	-49.36	
			<i>For >500, Deduct</i>	-70.34	



Electrical	26	26
Lighting	26 50	
Safety Lighting	26 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0014 EA Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R).....	146.19	54.06
For >50 To 100, Deduct	-6.36	
For >100 To 250, Deduct	-10.01	
For >250 To 500, Deduct	-14.62	
For >500, Deduct	-19.23	
26 52 13 16-0015 EA 120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	146.68	54.06
For >50 To 100, Deduct	-6.37	
For >100 To 250, Deduct	-10.04	
For >250 To 500, Deduct	-14.67	
For >500, Deduct	-19.30	
26 52 13 16-0016 Edge-Lit LED Exit Signs (26 52 13 16)		
Note: Includes red LED lamps.		
26 52 13 16-0017 EA Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6).....	282.94	54.06
For Green LED Lamps, Add	40.00	
For >50 To 100, Deduct	-9.78	
For >100 To 250, Deduct	-16.85	
For >250 To 500, Deduct	-28.29	
For >500, Deduct	-39.74	
26 52 13 16-0018 EA Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6)	285.71	54.06
For Green LED Lamps, Add	40.00	
For >50 To 100, Deduct	-9.85	
For >100 To 250, Deduct	-16.99	
For >250 To 500, Deduct	-28.57	
For >500, Deduct	-40.15	
26 52 13 16-0019 EA Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6)	304.49	54.06
For Green LED Lamps, Add	40.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-10.32	
For >100 To 250, Deduct	-17.93	
For >250 To 500, Deduct	-30.45	
For >500, Deduct	-42.97	
26 52 13 16-0020 EA Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6).....	360.61	54.06
For Green LED Lamps, Add	40.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-11.72	
For >100 To 250, Deduct	-20.73	
For >250 To 500, Deduct	-36.06	
For >500, Deduct	-51.39	
26 52 13 16-0021 Self-Luminous Tritium Exit Signs (26 52 13 16)		
Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 52 13 16-0022 EA 10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R).....	583.87	54.06
For >50 To 100, Deduct	-17.30	
For >100 To 250, Deduct	-31.90	
For >250 To 500, Deduct	-58.39	
For >500, Deduct	-84.88	
26 52 13 16-0023 EA 10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R).....	1,059.10	54.06
For >50 To 100, Deduct	-29.18	
For >100 To 250, Deduct	-55.66	
For >250 To 500, Deduct	-105.91	
For >500, Deduct	-156.16	
26 52 13 16-0024 EA 20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R).....	692.13	54.06
For >50 To 100, Deduct	-20.01	
For >100 To 250, Deduct	-37.31	
For >250 To 500, Deduct	-69.21	
For >500, Deduct	-101.12	
26 52 13 16-0025 EA 20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R).....	1,146.02	54.06
For >50 To 100, Deduct	-31.35	
For >100 To 250, Deduct	-60.00	
For >250 To 500, Deduct	-114.60	
For >500, Deduct	-169.20	
26 52 13 16-0026 EA 10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R).....	637.74	54.06
For >50 To 100, Deduct	-18.65	
For >100 To 250, Deduct	-34.59	
For >250 To 500, Deduct	-63.77	
For >500, Deduct	-92.96	
26 52 13 16-0027 EA 10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)	1,146.02	54.06
For >50 To 100, Deduct	-31.35	
For >100 To 250, Deduct	-60.00	
For >250 To 500, Deduct	-114.60	
For >500, Deduct	-169.20	
26 52 13 16-0028 EA 20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R).....	778.53	54.06
For >50 To 100, Deduct	-22.17	
For >100 To 250, Deduct	-41.63	
For >250 To 500, Deduct	-77.85	
For >500, Deduct	-114.08	

26	Electrical
26 50	Lighting
26 52	Safety Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0029 EA 20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R).....	1,418.45	54.06
For >50 To 100, Deduct	-38.16	
For >100 To 250, Deduct	-73.63	
For >250 To 500, Deduct	-141.85	
For >500, Deduct	-210.06	
26 52 13 16-0030 Vandal-Resistant LED Exit Signs (26 52 13 16)		
Note: Includes red LED lamps.		
26 52 13 16-0031 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277).....	551.84	54.06
For >50 To 100, Deduct	-16.50	
For >100 To 250, Deduct	-30.30	
For >250 To 500, Deduct	-55.18	
For >500, Deduct	-80.07	
26 52 13 16-0032 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N).....	846.14	54.06
For >50 To 100, Deduct	-23.86	
For >100 To 250, Deduct	-45.01	
For >250 To 500, Deduct	-84.61	
For >500, Deduct	-124.22	
26 52 13 16-0033 EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X).....	1,026.57	54.06
For >50 To 100, Deduct	-28.37	
For >100 To 250, Deduct	-54.03	
For >250 To 500, Deduct	-102.66	
For >500, Deduct	-151.28	
26 52 13 16-0034 Removal And Reinstallation Of Exit Light Fixture (26 52 13 16)		
26 52 13 16-0035 EA Removal And Reinstall Of Exit Light Fixtures.....	110.93	
Note: Includes storage and cleaning.		
For >50 To 100, Deduct	-5.55	
For >100 To 250, Deduct	-8.32	
For >250 To 500, Deduct	-11.09	
For >500, Deduct	-13.87	
26 52 13 16-0036 Exit Sign Accessories (26 52 13 16)		
26 52 13 16-0037 EA Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1).....	131.25	14.81
For >50 To 100, Deduct	-4.02	
For >100 To 250, Deduct	-7.30	
For >250 To 500, Deduct	-13.13	
For >500, Deduct	-18.95	
26 52 13 16-0038 EA Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1).....	78.65	14.81
For >50 To 100, Deduct	-2.71	
For >100 To 250, Deduct	-4.67	
For >250 To 500, Deduct	-7.87	
For >500, Deduct	-11.06	
26 52 13 16-0039 EA Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3).....	121.75	11.85
For >50 To 100, Deduct	-3.64	
For >100 To 250, Deduct	-6.68	
For >250 To 500, Deduct	-12.18	
For >500, Deduct	-17.67	
26 52 13 16-0040 EA Removal And Replacement Of Battery For Exit Signs.....	132.47	
Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity		
For >50 To 100, Deduct	-4.24	
For >100 To 250, Deduct	-7.55	
For >250 To 500, Deduct	-13.25	
For >500, Deduct	-18.94	
26 54 Classified Location Lighting (26 50)		
26 54 19 LED Classified Location Lighting (26 54)		
26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures (26 54 19)		
26 54 19 00-0002 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) (26 54 19 00-0001)		
Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0003 EA 5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L).....	2,615.96	121.62
For Bolt-On Visor, Add	98.76	
For Bolt-On Wire Guard, Add	203.13	
For 480 Volt, Add	173.91	
For Warm White Color Rendering, Add	73.84	
For >50 To 100, Deduct	-70.47	
For >100 To 250, Deduct	-135.87	
For >250 To 500, Deduct	-261.60	
For >500, Deduct	-387.33	



Electrical	26	26
Lighting	26 50	
Classified Location Lighting	26 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0004	EA		7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L).....	3,198.36	129.74
			<i>For Bolt-On Visor, Add</i>	98.76	
			<i>For Bolt-On Wire Guard, Add</i>	203.13	
			<i>For 480 Volt, Add</i>	173.91	
			<i>For Warm White Color Rendering, Add</i>	73.84	
			<i>For >50 To 100, Deduct</i>	-85.36	
			<i>For >100 To 250, Deduct</i>	-165.32	
			<i>For >250 To 500, Deduct</i>	-319.84	
			<i>For >500, Deduct</i>	-474.35	
26 54 19 00-0005	EA		9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L).....	3,610.13	137.85
			<i>For Bolt-On Visor, Add</i>	98.76	
			<i>For Bolt-On Wire Guard, Add</i>	203.13	
			<i>For 480 Volt, Add</i>	173.91	
			<i>For Warm White Color Rendering, Add</i>	73.84	
			<i>For >50 To 100, Deduct</i>	-96.00	
			<i>For >100 To 250, Deduct</i>	-186.25	
			<i>For >250 To 500, Deduct</i>	-361.01	
			<i>For >500, Deduct</i>	-535.78	
26 54 19 00-0006	EA		11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L).....	4,033.26	145.95
			<i>For Bolt-On Visor, Add</i>	98.76	
			<i>For Bolt-On Wire Guard, Add</i>	203.13	
			<i>For 480 Volt, Add</i>	173.91	
			<i>For Warm White Color Rendering, Add</i>	73.84	
			<i>For >50 To 100, Deduct</i>	-106.91	
			<i>For >100 To 250, Deduct</i>	-207.74	
			<i>For >250 To 500, Deduct</i>	-403.33	
			<i>For >500, Deduct</i>	-598.91	
26 54 19 00-0007			Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0008	EA		1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC).....	1,558.61	113.52
			<i>For 12/24 Volt DC Driver, Add</i>	28.07	
			<i>For Frosted Lens, Add</i>	57.36	
			<i>For Warm White Color Temperature LEDs, Add</i>	73.84	
			<i>For 55 Degree Ambient Suitability (AC Only) Option, Add</i>	38.21	
			<i>For Stanchion Mount, Add</i>	236.62	
			<i>For Ceiling Mount, Add</i>	94.88	
			<i>For Wall Mount, Add</i>	138.51	
			<i>For Teflon Coated Lens, Add</i>	121.74	
			<i>For Wall Mount With Junction Box, Add</i>	202.23	
			<i>For >50 To 100, Deduct</i>	-43.70	
			<i>For >100 To 250, Deduct</i>	-82.66	
			<i>For >250 To 500, Deduct</i>	-155.86	
			<i>For >500, Deduct</i>	-229.06	
26 54 19 00-0009			Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0010	EA		3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L).....	2,458.41	113.52
			<i>For Ceiling Mount, Add</i>	18.16	
			<i>For Quick Clip Mounting Option, Add</i>	26.67	
			<i>For Frosted Lens, Add</i>	57.36	
			<i>For Warm White Color Rendering, Add</i>	73.84	
			<i>For Polycarbonate Lens, Add</i>	106.32	
			<i>For 480 Volt, Add</i>	173.91	
			<i>For >50 To 100, Deduct</i>	-66.19	
			<i>For >100 To 250, Deduct</i>	-127.65	
			<i>For >250 To 500, Deduct</i>	-245.84	
			<i>For >500, Deduct</i>	-364.03	
26 54 19 00-0011	EA		3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L).....	2,721.84	121.62
			<i>For Ceiling Mount, Add</i>	18.16	
			<i>For Quick Clip Mounting Option, Add</i>	26.67	
			<i>For Frosted Lens, Add</i>	57.36	
			<i>For Warm White Color Rendering, Add</i>	73.84	
			<i>For Polycarbonate Lens, Add</i>	106.32	
			<i>For 480 Volt, Add</i>	173.91	
			<i>For >50 To 100, Deduct</i>	-73.11	
			<i>For >100 To 250, Deduct</i>	-141.16	
			<i>For >250 To 500, Deduct</i>	-272.18	
			<i>For >500, Deduct</i>	-403.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0012 EA 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	3,047.97	129.74
For Ceiling Mount, Add	18.16	
For Quick Clip Mounting Option, Add	26.67	
For Frosted Lens, Add	57.36	
For Warm White Color Rendering, Add	73.84	
For Polycarbonate Lens, Add	106.32	
For 480 Volt, Add	173.91	
For >50 To 100, Deduct	-81.61	
For >100 To 250, Deduct	-157.80	
For >250 To 500, Deduct	-304.80	
For >500, Deduct	-451.79	
26 54 19 00-0013 EA 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	3,962.27	137.85
For Ceiling Mount, Add	18.16	
For Quick Clip Mounting Option, Add	26.67	
For Frosted Lens, Add	57.36	
For Warm White Color Rendering, Add	73.84	
For Polycarbonate Lens, Add	106.32	
For 480 Volt, Add	173.91	
For >50 To 100, Deduct	-104.80	
For >100 To 250, Deduct	-203.86	
For >250 To 500, Deduct	-396.23	
For >500, Deduct	-588.60	
26 54 19 00-0014 EA 9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L).....	4,542.59	145.95
For Ceiling Mount, Add	18.16	
For Quick Clip Mounting Option, Add	26.67	
For Frosted Lens, Add	57.36	
For Warm White Color Rendering, Add	73.84	
For Polycarbonate Lens, Add	106.32	
For 480 Volt, Add	173.91	
For >50 To 100, Deduct	-119.65	
For >100 To 250, Deduct	-233.21	
For >250 To 500, Deduct	-454.26	
For >500, Deduct	-675.31	
26 54 19 00-0015 Class I Division 1, Explosion Proof, LED Fixtures <small>(26 54 19)</small>		
26 54 19 00-0016 Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 54 19 00-0015)</small>		
Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0017 EA 5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L).....	5,144.57	121.62
For Wall Mount, Deduct	-19.76	
For Warm Color Temperature LEDs, Add	106.47	
For Stainless Steel Guard, Add	191.10	
For Ceiling Mount, Add	230.53	
For Stanchion Mount, Add	268.30	
For Yoke Mount, Add	670.76	
For >50 To 100, Deduct	-133.68	
For >100 To 250, Deduct	-262.30	
For >250 To 500, Deduct	-514.46	
For >500, Deduct	-766.62	
26 54 19 00-0018 EA 6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	6,260.13	129.74
For Wall Mount, Deduct	-19.76	
For Warm Color Temperature LEDs, Add	106.47	
For Stainless Steel Guard, Add	191.10	
For Ceiling Mount, Add	230.53	
For Stanchion Mount, Add	268.30	
For Yoke Mount, Add	670.76	
For >50 To 100, Deduct	-161.91	
For >100 To 250, Deduct	-318.41	
For >250 To 500, Deduct	-626.01	
For >500, Deduct	-933.61	
26 54 19 00-0019 EA 9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	7,275.63	137.85
For Wall Mount, Deduct	-19.76	
For Warm Color Temperature LEDs, Add	106.47	
For Stainless Steel Guard, Add	191.10	
For Ceiling Mount, Add	230.53	
For Stanchion Mount, Add	268.30	
For Yoke Mount, Add	670.76	
For >50 To 100, Deduct	-187.63	
For >100 To 250, Deduct	-369.53	
For >250 To 500, Deduct	-727.56	
For >500, Deduct	-1,085.60	



Electrical	26	26
Lighting	26 50	
Classified Location Lighting	26 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54	19 00-0020	EA	10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	8,309.83	145.95
			<i>For Wall Mount, Deduct</i>	-19.76	
			<i>For Warm Color Temperature LEDs, Add</i>	106.47	
			<i>For Stainless Steel Guard, Add</i>	191.10	
			<i>For Ceiling Mount, Add</i>	230.53	
			<i>For Stanchion Mount, Add</i>	268.30	
			<i>For Yoke Mount, Add</i>	670.76	
			<i>For >50 To 100, Deduct</i>	-213.83	
			<i>For >100 To 250, Deduct</i>	-421.57	
			<i>For >250 To 500, Deduct</i>	-830.98	
			<i>For >500, Deduct</i>	-1,240.39	
26 54	19 00-0021	EA	13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	9,632.49	140.54
			<i>For Wall Mount, Deduct</i>	-19.76	
			<i>For Warm Color Temperature LEDs, Add</i>	106.47	
			<i>For Stainless Steel Guard, Add</i>	191.10	
			<i>For Ceiling Mount, Add</i>	230.53	
			<i>For Stanchion Mount, Add</i>	268.30	
			<i>For Yoke Mount, Add</i>	670.76	
			<i>For >50 To 100, Deduct</i>	-247.23	
			<i>For >100 To 250, Deduct</i>	-488.04	
			<i>For >250 To 500, Deduct</i>	-963.25	
			<i>For >500, Deduct</i>	-1,438.45	

26 55 Special Purpose Lighting (26 50)

26 55 13 Landscape Lighting (26 55)

26 55 13 00-0001	EA	Bollards (26 55 13) Note: Excludes concrete base.		
26 55 13 00-0002	EA	Aluminum Architectural Bollards (26 55 13 00-0001)		
26 55 13 00-0003	EA	High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0004	EA	Square, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)		
26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,578.63	125.72
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,593.41	133.11
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,608.21	140.50
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,494.84	147.91
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,578.63	125.72
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,593.41	133.11
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,608.21	140.50
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,494.84	147.91
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,578.63	125.72
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,593.41	133.11
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,608.21	140.50
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,494.84	147.91
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,578.63	125.72
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,593.41	133.11
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,608.21	140.50
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,494.84	147.91
26 55 13 00-0021	EA	Round, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)		
26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,519.77	125.72
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,534.55	133.11
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,549.35	140.50
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,435.45	147.91
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,519.77	125.72
26 55 13 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,534.55	133.11
26 55 13 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,549.35	140.50
26 55 13 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,435.45	147.91
26 55 13 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,519.77	125.72
26 55 13 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,534.55	133.11
26 55 13 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,549.35	140.50
26 55 13 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,435.45	147.91
26 55 13 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,519.77	125.72
26 55 13 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,534.55	133.11
26 55 13 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,549.35	140.50
26 55 13 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,435.45	147.91
26 55 13 00-0038	EA	Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0039	EA	Square, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0003)		
26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,655.04	125.72
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,669.82	133.11
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,684.62	140.50
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,570.71	147.91
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,655.04	125.72
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,669.82	133.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0046 EA 36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,684.62	140.50
26 55 13 00-0047 EA 42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,570.71	147.91
26 55 13 00-0048 EA 24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,655.04	125.72
26 55 13 00-0049 EA 30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,669.82	133.11
26 55 13 00-0050 EA 36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,684.62	140.50
26 55 13 00-0051 EA 42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,634.66	147.91
26 55 13 00-0052 Round, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)		
26 55 13 00-0053 EA 24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,595.65	125.72
26 55 13 00-0054 EA 30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,610.43	133.11
26 55 13 00-0055 EA 36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,625.23	140.50
26 55 13 00-0056 EA 42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,511.32	147.91
26 55 13 00-0057 EA 24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,595.65	125.72
26 55 13 00-0058 EA 30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,610.43	133.11
26 55 13 00-0059 EA 36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,625.23	140.50
26 55 13 00-0060 EA 42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,511.32	147.91
26 55 13 00-0061 EA 24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,595.65	125.72
26 55 13 00-0062 EA 30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,610.43	133.11
26 55 13 00-0063 EA 36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,625.23	140.50
26 55 13 00-0064 EA 42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,511.32	147.91
26 55 13 00-0065 Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0066 Square, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)		
26 55 13 00-0067 EA 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,571.92	125.72
26 55 13 00-0068 EA 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,586.70	133.11
26 55 13 00-0069 EA 36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,601.50	140.50
26 55 13 00-0070 EA 42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,489.34	147.91
26 55 13 00-0071 EA 24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,571.92	125.72
26 55 13 00-0072 EA 30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,586.70	133.11
26 55 13 00-0073 EA 36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,601.50	140.50
26 55 13 00-0074 EA 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,489.34	147.91
26 55 13 00-0075 EA 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,571.92	125.72
26 55 13 00-0076 EA 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,586.70	133.11
26 55 13 00-0077 EA 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,601.50	140.50
26 55 13 00-0078 EA 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,489.34	147.91
26 55 13 00-0079 Round, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)		
26 55 13 00-0080 EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,513.83	125.72
26 55 13 00-0081 EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,528.61	133.11
26 55 13 00-0082 EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,543.41	140.50
26 55 13 00-0083 EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,432.36	147.91
26 55 13 00-0084 EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,513.83	125.72
26 55 13 00-0085 EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,528.61	133.11
26 55 13 00-0086 EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,543.41	140.50
26 55 13 00-0087 EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,432.36	147.91
26 55 13 00-0088 EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,513.83	125.72
26 55 13 00-0089 EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,528.61	133.11
26 55 13 00-0090 EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,543.41	140.50
26 55 13 00-0091 EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,432.36	147.91
26 55 13 00-0092 LED, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0093 Square, LED, Aluminum Architectural Bollards (26 55 13 00-0092)		
26 55 13 00-0094 EA 24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,873.56	125.72
26 55 13 00-0095 EA 30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,888.34	133.11
26 55 13 00-0096 EA 36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,903.14	140.50
26 55 13 00-0097 EA 42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,792.58	147.91
26 55 13 00-0098 EA 24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,277.97	125.72
26 55 13 00-0099 EA 30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,292.75	133.11
26 55 13 00-0100 EA 36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,307.55	140.50
26 55 13 00-0101 EA 42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,194.98	147.91
26 55 13 00-0102 Round, LED, Aluminum Architectural Bollards (26 55 13 00-0092)		
26 55 13 00-0103 EA 24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,813.23	125.72
26 55 13 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,828.01	133.11
26 55 13 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,842.81	140.50
26 55 13 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,730.24	147.91
26 55 13 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,217.64	125.72
26 55 13 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,232.42	133.11
26 55 13 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,247.22	140.50
26 55 13 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,135.37	147.91
26 55 13 00-0111 Reinforced Concrete Bollards (26 55 13 00-0001)		



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	1,650.05	369.76
26 55 13 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	2,843.67	492.96
26 55 13 00-0114 Low Voltage (26 55 13)		
26 55 13 00-0115 EA Low Voltage Recessed Uplight	805.48	269.19
26 55 13 00-0116 EA Low Voltage Walkway	536.64	147.91
26 55 13 00-0117 EA Low Voltage Malibu - 5 Light Set	570.07	197.45
26 55 13 00-0118 EA Low Voltage Mushroom 24" Pier.....	475.34	147.91
26 55 13 00-0119 Recessed, Adjustable (26 55 13)		
26 55 13 00-0120 EA 150 Watt Incandescent Recessed, Adjustable.....	880.48	236.65
26 55 13 00-0121 EA 300 Watt Incandescent Recessed, Adjustable.....	946.16	236.65
26 55 13 00-0122 Recessed, Uplight (26 55 13)		
26 55 13 00-0123 EA 50 Watt Incandescent Recessed Uplight	806.04	236.65
26 55 13 00-0124 EA 150 Watt Incandescent Recessed Uplight	819.18	236.65
26 55 13 00-0125 EA 300 Watt Incandescent Recessed Uplight	858.58	236.65
26 55 13 00-0126 EA 500 Watt Quartz Recessed Uplight.....	854.20	236.65
26 55 13 00-0127 EA 5 Watt, LED Recessed Uplight.....	1,211.50	236.65
26 55 13 00-0128 EA 15 Watt, LED Recessed Uplight.....	1,324.17	236.65
26 55 13 00-0129 Recessed Wall Light (26 55 13)		
26 55 13 00-0130 EA 100 Watt Incandescent Recessed Wall Light.....	435.93	147.91
26 55 13 00-0131 EA 100 Watt Fluorescent Recessed Wall Light	422.79	147.91
26 55 13 00-0132 EA 100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	653.26	197.45
26 55 13 00-0133 Step Lights (26 55 13)		
26 55 13 00-0134 EA Incandescent Step Light	354.79	118.32
26 55 13 00-0135 EA Fluorescent Step Light.....	398.66	118.32
26 55 13 00-0136 EA 5 Watt, LED Step Light	661.03	118.32
26 55 13 00-0137 EA 15 Watt, LED Step Light	781.21	118.32
26 55 13 00-0138 Tree Lights, Surface Adjustable (26 55 13)		
26 55 13 00-0139 EA 50 Watt Incandescent Tree Lights	710.18	197.45
26 55 13 00-0140 EA 100 Watt Incandescent Tree Lights	723.32	197.45
26 55 13 00-0141 EA 150 Watt Incandescent Tree Lights	941.90	295.81
26 55 16 Walkway Lighting (26 55)		
26 55 16 00-0001 Incandescent Walkway (26 55 16)		
26 55 16 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture.....	448.46	137.55
26 55 16 00-0003 Metal Halide Walkway (26 55 16)		
26 55 16 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture	691.43	216.23
26 55 16 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture.....	729.69	224.08
26 55 16 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture	782.15	232.65
26 55 16 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture	838.90	251.44
26 55 16 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture	751.96	232.65
26 55 16 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	749.51	216.23
26 55 16 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture	765.94	224.08
26 55 16 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture.....	594.99	154.12
26 55 16 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture	625.19	154.12
26 55 16 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture.....	655.39	154.12
26 55 16 00-0014 EA Spherical 400 Watt Metal Halide Walkway Fixture.....	739.74	173.49
26 55 16 00-0015 EA Low Walkway 100 Watt Metal Halide Walkway Fixture.....	563.83	138.44
26 55 16 00-0016 High Pressure Sodium Walkway (26 55 16)		
26 55 16 00-0017 EA Post Top 100 Watt High Pressure Sodium Walkway Fixture	634.78	216.23
26 55 16 00-0018 EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	668.11	224.08
26 55 16 00-0019 EA Post Top 250 Watt High Pressure Sodium Walkway Fixture	712.80	232.65
26 55 16 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture	765.44	251.44
26 55 16 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture.....	689.21	232.65
26 55 16 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	680.16	216.23
26 55 16 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture.....	696.43	224.08
26 55 16 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture.....	532.24	154.12
26 55 16 00-0025 EA Spherical 175-150-Watt High Pressure Sodium Walkway Fixture.....	555.83	154.12
26 55 16 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture.....	579.42	154.12
26 55 16 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture.....	653.87	173.49
26 55 16 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	482.18	138.44

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0029 Walkway, Adjustable <small>(26 55 16)</small>		
26 55 16 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture.....	648.19	197.45
26 55 16 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture.....	663.09	197.45
26 55 16 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture.....	1,118.01	295.81
26 55 16 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture	534.18	147.91
26 55 16 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture	554.04	147.91
26 55 16 00-0035 LED Walkway <small>(26 55 16)</small>		
26 55 16 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) <small>(26 55 16 00-0035)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037 EA 13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	818.42	113.52
<i>For Multi-Level Drive Currents, Add</i>		
	199.30	
26 55 16 00-0038 EA 18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	842.62	113.52
<i>For Multi-Level Drive Currents, Add</i>		
	199.30	
26 55 16 00-0039 EA 36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	885.33	113.52
<i>For Multi-Level Drive Currents, Add</i>		
	199.30	
26 55 16 00-0040 EA 42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	918.07	113.52
<i>For Multi-Level Drive Currents, Add</i>		
	199.30	
26 55 16 00-0041 EA 96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	1,064.67	145.95
<i>For Multi-Level Drive Currents, Add</i>		
	199.30	
26 55 16 00-0042 Wall Mounted Walkway Lighting <small>(26 55 16 00-0035)</small>		
26 55 16 00-0043 EA Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492).....	4,386.54	
Note: Type Fixture 17 as Post		
26 55 16 00-0044 Pole Mounted Walkway Lighting <small>(26 55 16 00-0035)</small>		
26 55 16 00-0045 EA 43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27).....	4,060.75	
26 55 16 00-0046 EA 12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12).....	3,988.39	
Note: Washers and nuts included		
26 55 29 Underwater Lighting <small>(26 55)</small>		
26 55 29 00-0001 Underwater Lights <small>(26 55 29)</small>		
26 55 29 00-0002 EA 150 Watt, 120 Volt Underwater Lights	533.89	98.36
26 55 29 00-0003 EA 300 Watt, 120 Volt Underwater Lights	586.43	98.36
26 55 29 00-0004 EA 1,000 Watt, 120 Volt Underwater Lights	1,368.59	147.91
26 55 29 00-0005 EA 50 Watt, 12 Volt Underwater Lights	555.78	98.36
26 55 29 00-0006 EA 300 Watt, 12 Volt Underwater Lights	617.08	98.36
26 55 29 00-0007 SET Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,559.99	221.85
26 55 53 Security Lighting <small>(26 55)</small>		
26 55 53 11 Security Flood Lighting <small>(26 55 53)</small>		
26 55 53 11-0001 General Electric Powerflood® Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0002 MPF (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003 High Pressure Sodium MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>		
26 55 53 11-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light	411.50	122.37
26 55 53 11-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light	414.84	122.37
26 55 53 11-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light	420.40	122.37
26 55 53 11-0007 Metal Halide MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>		
26 55 53 11-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light	543.80	122.37
26 55 53 11-0009 P-154 (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010 High Pressure Sodium P-154 Series GE Flood Lights <small>(26 55 53 11-0009)</small>		
26 55 53 11-0011 EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light	805.47	163.15
26 55 53 11-0012 EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light	809.92	163.15
26 55 53 11-0013 EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light	817.70	163.15
26 55 53 11-0014 EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light	905.53	163.15
26 55 53 11-0015 EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light	931.10	163.15
26 55 53 11-0016 Metal Halide P-154 Series GE Flood Lights <small>(26 55 53 11-0009)</small>		



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0017 EA 175 Watt Metal Halide P-154 Series GE Flood Light.....	797.69	163.15
26 55 53 11-0018 EA 250 Watt Metal Halide P-154 Series GE Flood Light.....	836.60	163.15
26 55 53 11-0019 EA 400 Watt Metal Halide P-154 Series GE Flood Light.....	856.61	163.15
26 55 53 11-0020 PF-154 (Medium Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021 High Pressure Sodium PF-154 Series GE Flood Lights (26 55 53 11-0020)		
26 55 53 11-0022 EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	827.35	183.55
26 55 53 11-0023 EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	832.91	183.55
26 55 53 11-0024 EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	841.81	183.55
26 55 53 11-0025 EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	928.52	183.55
26 55 53 11-0026 EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	952.98	183.55
26 55 53 11-0027 Metal Halide PF-154 GE Flood Lights (26 55 53 11-0020)		
26 55 53 11-0028 EA 175 Watt Metal Halide PF-154 Series GE Flood Light.....	820.68	183.55
26 55 53 11-0029 EA 250 Watt Metal Halide PF-154 Series GE Flood Light.....	858.48	183.55
26 55 53 11-0030 EA 400 Watt Metal Halide PF-154 Series GE Flood Light.....	878.49	183.55
26 55 53 11-0031 PF-400 (Medium Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032 High Pressure Sodium PF-400 Series GE Flood Lights (26 55 53 11-0031)		
26 55 53 11-0033 EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,089.73	183.55
26 55 53 11-0034 EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,167.55	183.55
26 55 53 11-0035 EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,161.99	183.55
26 55 53 11-0036 EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,189.79	183.55
26 55 53 11-0037 Metal Halide PF-400 GE Flood Lights (26 55 53 11-0031)		
26 55 53 11-0038 EA 175 Watt Metal Halide PF-400 Series GE Flood Light.....	1,118.63	183.55
26 55 53 11-0039 EA 250 Watt Metal Halide PF-400 Series GE Flood Light.....	1,141.98	183.55
26 55 53 11-0040 EA 400 Watt Metal Halide PF-400 Series GE Flood Light.....	1,166.44	183.55
26 55 53 11-0041 PF-1000 (Large Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042 High Pressure Sodium PF-1000 Series GE Flood Lights (26 55 53 11-0041)		
26 55 53 11-0043 EA 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,462.94	203.94
26 55 53 11-0044 EA 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,462.94	203.94
26 55 53 11-0045 Metal Halide PF-1000 Series GE Flood Lights (26 55 53 11-0041)		
26 55 53 11-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light.....	1,398.46	203.94
26 55 53 11-0047 HLU/VLU (Medium Size) FRP Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048 High Pressure Sodium HLU/VLU FRP Series GE Flood Lights (26 55 53 11-0047)		
26 55 53 11-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	1,196.46	183.55
26 55 53 11-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	1,217.58	183.55
26 55 53 11-0051 Metal Halide HLU/VLU Series GE Flood Lights (26 55 53 11-0047)		
26 55 53 11-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light.....	1,208.68	183.55
26 55 53 11-0053 Accessories For Powerflood GE Flood Lights (26 55 53 11-0001)		
26 55 53 11-0054 EA Wireguard For Powerflood GE Flood Light.....	209.42	40.79
26 55 53 11-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	127.15	40.79
26 55 53 11-0056 EA Top Visor For Powerflood Flood Light.....	178.29	40.79
26 55 53 11-0057 EA Top And Two Side Visors For Powerflood GE Flood Light.....	139.38	40.79
26 55 53 11-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	358.14	122.37
26 55 53 11-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light.....	151.61	40.79
26 55 53 11-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light.....	274.76	122.37
26 55 53 11-0061 EA Steel Angle Bracket For Powerflood GE Flood Light.....	284.76	122.37
26 55 53 11-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light.....	117.15	40.79
26 55 53 11-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light.....	113.81	40.79

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0064 Lithonia Contour Series Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0065 TFM (Small Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066 High Pressure Sodium TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>		
26 55 53 11-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	746.28	163.15
26 55 53 11-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	810.48	163.15
26 55 53 11-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	873.34	163.15
26 55 53 11-0070 Metal Halide TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>		
26 55 53 11-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light.....	951.78	163.15
26 55 53 11-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	936.33	163.15
26 55 53 11-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	911.42	163.15
26 55 53 11-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light.....	909.58	163.15
26 55 53 11-0075 Compact Fluorescent TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>		
26 55 53 11-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	945.38	163.15
26 55 53 11-0077 TFL (Medium Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078 High Pressure Sodium TFL Series Lithonia Flood Lights <small>(26 55 53 11-0077)</small>		
26 55 53 11-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,121.57	183.55
26 55 53 11-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,142.98	183.55
26 55 53 11-0081 Metal Halide TFL Series Lithonia Flood Lights <small>(26 55 53 11-0077)</small>		
26 55 53 11-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,073.45	183.55
26 55 53 11-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,073.45	183.55
26 55 53 11-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,107.03	183.55
26 55 53 11-0085 TFR (Low Profile) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086 High Pressure Sodium TFR Lithonia Flood Lights <small>(26 55 53 11-0085)</small>		
26 55 53 11-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	1,070.12	163.15
26 55 53 11-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	1,102.16	163.15
26 55 53 11-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	1,128.93	163.15
26 55 53 11-0090 Metal Halide TFR Lithonia Flood Lights <small>(26 55 53 11-0085)</small>		
26 55 53 11-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light.....	1,059.40	163.15
26 55 53 11-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light.....	1,091.48	163.15
26 55 53 11-0093 TFA (Large Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094 High Pressure Sodium TFA Series Lithonia Flood Lights <small>(26 55 53 11-0093)</small>		
26 55 53 11-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	2,039.67	203.94
26 55 53 11-0096 Metal Halide TFA Series Lithonia Flood Lights <small>(26 55 53 11-0093)</small>		
26 55 53 11-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,584.90	203.94
26 55 53 11-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,745.39	203.94
26 55 53 11-0099 Accessories For Contour Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small>		
26 55 53 11-0100 EA Wireguard For Contour Series Lithonia Flood Light.....	182.45	40.79
26 55 53 11-0101 EA Vandal Guard For Contour Series Lithonia Flood Light.....	339.99	40.79
26 55 53 11-0102 EA Upper Visor For Contour Series Lithonia Flood Light.....	152.72	40.79
26 55 53 11-0103 EA Full Visor For Contour Series Lithonia Flood Light.....	200.86	40.79
26 55 53 11-0104 EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	458.71	122.37
26 55 53 11-0105 EA Radius Wall Bracket For Contour Series Lithonia Flood Light.....	373.53	122.37
26 55 53 11-0106 EA Steel Angle Bracket For Contour Series Lithonia Flood Light.....	373.53	122.37
26 55 53 11-0107 EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe.....	407.50	122.37
26 55 53 11-0108 EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light.....	175.13	40.79



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0109 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	142.49	40.79
26 55 53 11-0110 Eaton Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0111 EA 6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB)	1,142.75	163.15
For NEMA Photocontrol Option (Eaton OA/RA1016), Add	57.61	
For >50 To 100, Deduct	-36.73	
For >100 To 250, Deduct	-65.30	
For >250 To 500, Deduct	-114.28	
For >500, Deduct	-163.25	
26 55 53 11-0112 EA 16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016)	1,413.93	180.14
For >50 To 100, Deduct	-44.36	
For >100 To 250, Deduct	-79.70	
For >250 To 500, Deduct	-141.39	
For >500, Deduct	-203.08	
26 55 53 11-0113 Ruud Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0114 NS (Micro) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>		
Note: Provides conventional floodlighting, 1/2" threaded mounting knuckle.		
26 55 53 11-0115 High Pressure Sodium NS Series Ruud Flood Lights <small>(26 55 53 11-0114)</small>		
26 55 53 11-0116 EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light	496.00	122.37
26 55 53 11-0117 EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light	496.00	122.37
26 55 53 11-0118 EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light	496.00	122.37
26 55 53 11-0119 EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light	496.00	122.37
26 55 53 11-0120 EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light	496.00	122.37
26 55 53 11-0121 Metal Halide NS Series Ruud Flood Lights <small>(26 55 53 11-0114)</small>		
26 55 53 11-0122 EA 50 Watt Metal Halide NS Series Ruud Flood Light	558.25	122.37
26 55 53 11-0123 EA 70 Watt Metal Halide NS Series Ruud Flood Light	558.25	122.37
26 55 53 11-0124 EA 100 Watt Metal Halide NS Series Ruud Flood Light	558.25	122.37
26 55 53 11-0125 Compact Fluorescent NS Series Ruud Flood Lights <small>(26 55 53 11-0114)</small>		
26 55 53 11-0126 EA 13 Watt Compact Fluorescent NS Series Ruud Flood Light	431.51	122.37
26 55 53 11-0127 EA 26 Watt Compact Fluorescent NS Series Ruud Flood Light	447.08	122.37
26 55 53 11-0128 EA 32 Watt Compact Fluorescent NS Series Ruud Flood Light	451.53	122.37
26 55 53 11-0129 EA 42 Watt Compact Fluorescent NS Series Ruud Flood Light	455.97	122.37
26 55 53 11-0130 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>		
Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0132 EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	762.87	183.55
26 55 53 11-0133 EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	802.90	183.55
26 55 53 11-0134 EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	825.13	183.55
26 55 53 11-0135 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0136 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	753.98	183.55
26 55 53 11-0137 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	758.43	183.55
26 55 53 11-0138 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	771.77	183.55
26 55 53 11-0139 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0140 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	738.41	183.55
26 55 53 11-0141 FS (Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142 High Pressure Sodium FS Series Ruud Flood Lights <small>(26 55 53 11-0141)</small>		
26 55 53 11-0143 EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light	880.72	183.55
26 55 53 11-0144 EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light	885.17	183.55
26 55 53 11-0145 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	1,464.05	203.94
26 55 53 11-0146 Metal Halide FS Series Ruud Flood Lights <small>(26 55 53 11-0141)</small>		
26 55 53 11-0147 EA 175 Watt Metal Halide FS Series Ruud Flood Light	880.72	183.55
26 55 53 11-0148 EA 250 Watt Metal Halide FS Series Ruud Flood Light	885.17	183.55
26 55 53 11-0149 EA 400 Watt Metal Halide FS Series Ruud Flood Light	898.51	183.55
26 55 53 11-0150 EA 1,000 Watt Metal Halide FS Series Ruud Flood Light	1,317.30	203.94

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0151	MFS (Mini Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>	
	Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.	
26 55 53 11-0152	High Pressure Sodium MFS Series Ruud Flood Lights <small>(26 55 53 11-0151)</small>	
26 55 53 11-0153 EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	163.15
26 55 53 11-0154 EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	163.15
26 55 53 11-0155 EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	163.15
26 55 53 11-0156 EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	163.15
26 55 53 11-0157 EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	163.15
26 55 53 11-0158	Metal Halide MFS Series Ruud Flood Lights <small>(26 55 53 11-0151)</small>	
26 55 53 11-0159 EA	50 Watt Metal Halide MFS Series Ruud Flood Light.....	163.15
26 55 53 11-0160 EA	70 Watt Metal Halide MFS Series Ruud Flood Light.....	163.15
26 55 53 11-0161 EA	100 Watt Metal Halide MFS Series Ruud Flood Light.....	163.15
26 55 53 11-0162 EA	175 Watt Metal Halide MFS Series Ruud Flood Light.....	163.15
26 55 53 11-0163	MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>	
	Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.	
26 55 53 11-0164	High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights <small>(26 55 53 11-0163)</small>	
26 55 53 11-0165 EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	163.15
26 55 53 11-0166 EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	163.15
26 55 53 11-0167 EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	163.15
26 55 53 11-0168 EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	163.15
26 55 53 11-0169 EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	163.15
26 55 53 11-0170	Metal Halide MCF/MPM/MPN Series Ruud Flood Lights <small>(26 55 53 11-0163)</small>	
26 55 53 11-0171 EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	163.15
26 55 53 11-0172 EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	163.15
26 55 53 11-0173 EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	163.15
26 55 53 11-0174 EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	163.15
26 55 53 11-0175	CF (Cutoff Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>	
	Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.	
26 55 53 11-0176	High Pressure Sodium CF Series Ruud Flood Lights <small>(26 55 53 11-0175)</small>	
26 55 53 11-0177 EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	183.55
26 55 53 11-0178 EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	183.55
26 55 53 11-0179 EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	203.94
26 55 53 11-0180	Metal Halide CF Series Ruud Flood Lights <small>(26 55 53 11-0175)</small>	
26 55 53 11-0181 EA	175 Watt Metal Halide CF Series Ruud Flood Light.....	183.55
26 55 53 11-0182 EA	250 Watt Metal Halide CF Series Ruud Flood Light.....	183.55
26 55 53 11-0183 EA	400 Watt Metal Halide CF Series Ruud Flood Light.....	183.55
26 55 53 11-0184 EA	1,000 Watt Metal Halide CF Series Ruud Flood Light.....	203.94
26 55 53 11-0185	CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>	
	Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.	
26 55 53 11-0186	High Pressure Sodium CN Series Ruud Flood Lights <small>(26 55 53 11-0185)</small>	
26 55 53 11-0187 EA	400 High Pressure Sodium CN Series Ruud Flood Light.....	203.94
26 55 53 11-0188 EA	1,000 High Pressure Sodium CN Series Ruud Flood Light.....	203.94
26 55 53 11-0189	Metal Halide CN Series Ruud Flood Lights <small>(26 55 53 11-0185)</small>	
26 55 53 11-0190 EA	400 Watt Metal Halide CN Series Ruud Flood Light.....	203.94
26 55 53 11-0191 EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	203.94
26 55 53 11-0192	PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>	
	Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.	
26 55 53 11-0193	High Pressure Sodium PM/PN Series Ruud Flood Lights <small>(26 55 53 11-0192)</small>	
26 55 53 11-0194 EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	183.55
26 55 53 11-0195 EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	183.55
26 55 53 11-0196	Metal Halide PM/PN Series Ruud Flood Lights <small>(26 55 53 11-0192)</small>	
26 55 53 11-0197 EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	183.55
26 55 53 11-0198 EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light	183.55
26 55 53 11-0199 EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light	183.55
26 55 53 11-0200 EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	203.94



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0201 Accessories For Ruud Flood Lighting <small>(26 55 53 11-0113)</small>		
26 55 53 11-0202 EA Wireguard For Ruud Flood Light.....	114.92	40.79
26 55 53 11-0203 EA Deep Baffle (Full Visor) For Ruud Flood Light.....	174.96	40.79
26 55 53 11-0204 EA Glare Guard (Upper Visor) For Ruud Flood Light.....	130.49	40.79
26 55 53 11-0205 EA Vandal Shield For Ruud Flood Light.....	152.72	40.79
26 55 53 11-0206 EA Pipe Mounting Bracket For Ruud Flood Light.....	320.34	122.37
26 55 53 11-0207 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	101.58	40.79
26 55 53 11-0208 Lumark Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0209 QZ Wedge Series Quartz Lumark Flood Lights <small>(26 55 53 11-0208)</small>		
Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	290.21	122.37
26 55 53 11-0211 LQL Series Quartz Lumark Flood Lights <small>(26 55 53 11-0208)</small>		
Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212 EA 1,500 Watt LQL Series Quartz Lumark Flood Light.....	355.80	122.37
26 55 53 11-0213 Kim Lighting <small>(26 55 53 11)</small>		
26 55 53 11-0214 MicroFlood® Series Kim Lighting Flood Lights <small>(26 55 53 11-0213)</small>		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215 LED MicroFlood® Series Kim Lighting Flood Lights <small>(26 55 53 11-0214)</small>		
26 55 53 11-0216 EA 5 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	541.46	51.83
<i>For >50 To 100, Deduct</i>		-16.13
<i>For >100 To 250, Deduct</i>		-29.66
<i>For >250 To 500, Deduct</i>		-54.15
<i>For >500, Deduct</i>		-78.63
26 55 53 11-0217 EA 15 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	664.86	51.83
<i>For >50 To 100, Deduct</i>		-19.21
<i>For >100 To 250, Deduct</i>		-35.83
<i>For >250 To 500, Deduct</i>		-66.49
<i>For >500, Deduct</i>		-97.14
26 55 53 11-0218 Scarab® Series Kim Lighting Flood Lights <small>(26 55 53 11-0213)</small>		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219 LED Scarab® Series Kim Lighting Accent Flood Lights <small>(26 55 53 11-0218)</small>		
Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220 EA 6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light.....	816.47	51.83
<i>For >50 To 100, Deduct</i>		-23.00
<i>For >100 To 250, Deduct</i>		-43.42
<i>For >250 To 500, Deduct</i>		-81.65
<i>For >500, Deduct</i>		-119.88
26 55 53 11-0221 CREE® BetaLED® Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0222 Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) <small>(26 55 53 11-0221)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223 EA 40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,074.91	147.39
<i>For >50 To 100, Deduct</i>		-34.24
<i>For >100 To 250, Deduct</i>		-61.12
<i>For >250 To 500, Deduct</i>		-107.49
<i>For >500, Deduct</i>		-153.87
26 55 53 11-0224 EA 60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,173.86	155.58
<i>For >50 To 100, Deduct</i>		-37.13
<i>For >100 To 250, Deduct</i>		-66.47
<i>For >250 To 500, Deduct</i>		-117.39
<i>For >500, Deduct</i>		-168.30
26 55 53 11-0225 Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) <small>(26 55 53 11-0221)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226 EA 20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	940.38	139.20
<i>For 480 Volt, Add</i>		103.70
<i>For >50 To 100, Deduct</i>		-30.47
<i>For >100 To 250, Deduct</i>		-53.98
<i>For >250 To 500, Deduct</i>		-94.04
<i>For >500, Deduct</i>		-134.10

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53	11-0227	EA	40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,166.02	147.39
			<i>For 480 Volt, Add</i>	103.70	
			<i>For >50 To 100, Deduct</i>	-36.52	
			<i>For >100 To 250, Deduct</i>	-65.67	
			<i>For >250 To 500, Deduct</i>	-116.60	
			<i>For >500, Deduct</i>	-167.53	
26 55 53	11-0228	EA	60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,391.66	155.58
			<i>For 480 Volt, Add</i>	103.70	
			<i>For >50 To 100, Deduct</i>	-42.57	
			<i>For >100 To 250, Deduct</i>	-77.36	
			<i>For >250 To 500, Deduct</i>	-139.17	
			<i>For >500, Deduct</i>	-200.97	
26 55 53	11-0229	EA	80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,701.29	163.77
			<i>For 480 Volt, Add</i>	103.70	
			<i>For >50 To 100, Deduct</i>	-50.72	
			<i>For >100 To 250, Deduct</i>	-93.25	
			<i>For >250 To 500, Deduct</i>	-170.13	
			<i>For >500, Deduct</i>	-247.01	
26 55 53	11-0230	EA	100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,926.94	171.96
			<i>For 480 Volt, Add</i>	103.70	
			<i>For >50 To 100, Deduct</i>	-56.77	
			<i>For >100 To 250, Deduct</i>	-104.94	
			<i>For >250 To 500, Deduct</i>	-192.69	
			<i>For >500, Deduct</i>	-280.44	
26 55 53	11-0231	EA	120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,152.59	180.14
			<i>For 480 Volt, Add</i>	103.70	
			<i>For >50 To 100, Deduct</i>	-62.82	
			<i>For >100 To 250, Deduct</i>	-116.64	
			<i>For >250 To 500, Deduct</i>	-215.26	
			<i>For >500, Deduct</i>	-313.88	
26 55 53	11-0232	EA	140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,445.14	188.33
			<i>For 480 Volt, Add</i>	103.70	
			<i>For >50 To 100, Deduct</i>	-70.55	
			<i>For >100 To 250, Deduct</i>	-131.67	
			<i>For >250 To 500, Deduct</i>	-244.51	
			<i>For >500, Deduct</i>	-357.35	
26 55 53	11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,670.78	196.52
			<i>For 480 Volt, Add</i>	103.70	
			<i>For >50 To 100, Deduct</i>	-76.60	
			<i>For >100 To 250, Deduct</i>	-143.37	
			<i>For >250 To 500, Deduct</i>	-267.08	
			<i>For >500, Deduct</i>	-390.79	
26 55 53	11-0234		Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) <small>(26 55 53 11-0221)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53	11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	2,068.60	180.14
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Bird Spikes, Add</i>	44.46	
			<i>For 5,000K Color Temperature, Add</i>	41.98	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For 1,000mA Driver, Add</i>	141.04	
			<i>For >50 To 100, Deduct</i>	-60.72	
			<i>For >100 To 250, Deduct</i>	-112.44	
			<i>For >250 To 500, Deduct</i>	-206.86	
			<i>For >500, Deduct</i>	-301.28	
26 55 53	11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	3,455.07	221.08
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For 5,000K Color Temperature, Add</i>	41.98	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For Bird Spikes, Add</i>	64.43	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For 1,000mA Driver, Add</i>	141.04	
			<i>For 480 Volt, Add</i>	151.10	
			<i>For >50 To 100, Deduct</i>	-97.43	
			<i>For >100 To 250, Deduct</i>	-183.81	
			<i>For >250 To 500, Deduct</i>	-345.51	
			<i>For >500, Deduct</i>	-507.21	



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0237 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) (26 55 53 11-0221)		
Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0238 EA 112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL).....	1,259.40	180.14
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Front Facing Optics, Back Light Shield, Add	35.63	
For Rotated Optics, Back Light Shield, Add	35.63	
For Field Adjustable Output, Add	25.19	
For Fuse, Add	50.37	
For 0 To 10 Volt Dimming, Add	50.37	
For Multi-Level, Add	109.13	
For >50 To 100, Deduct	-40.49	
For >100 To 250, Deduct	-71.98	
For >250 To 500, Deduct	-125.94	
For >500, Deduct	-179.90	
26 55 53 11-0239 EA 168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL).....	1,338.74	180.14
Note: Type III, IV or V medium optics only.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Front Facing Optics, Back Light Shield, Add	35.63	
For Rotated Optics, Back Light Shield, Add	35.63	
For Field Adjustable Output, Add	25.19	
For Fuse, Add	50.37	
For 0 To 10 Volt Dimming, Add	50.37	
For Type II Medium Or Type V Short Optics, Add	553.44	
For Multi-Level, Add	109.13	
For >50 To 100, Deduct	-42.48	
For >100 To 250, Deduct	-75.94	
For >250 To 500, Deduct	-133.87	
For >500, Deduct	-191.80	
26 55 53 11-0240 EA 223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL).....	1,711.50	221.08
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Field Adjustable Output, Add	25.19	
For Front Facing Optics, Back Light Shield, Add	43.26	
For Rotated Optics, Back Light Shield, Add	43.26	
For Fuse, Add	50.37	
For 0 To 10 Volt Dimming, Add	50.37	
For Multi-Level, Add	109.13	
For >50 To 100, Deduct	-53.84	
For >100 To 250, Deduct	-96.63	
For >250 To 500, Deduct	-171.15	
For >500, Deduct	-245.67	
26 55 53 11-0241 PlanLED Flood Lights (26 55 53 11)		
26 55 53 11-0242 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) (26 55 53 11-0241)		
26 55 53 11-0243 EA 6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050).....	693.16	147.39
For >50 To 100, Deduct	-24.70	
For >100 To 250, Deduct	-42.03	
For >250 To 500, Deduct	-69.32	
For >500, Deduct	-96.60	
26 55 53 11-0244 EA 9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075).....	821.91	155.58
For >50 To 100, Deduct	-28.33	
For >100 To 250, Deduct	-48.87	
For >250 To 500, Deduct	-82.19	
For >500, Deduct	-115.51	
26 55 53 11-0245 EA 12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100).....	944.53	167.86
For >50 To 100, Deduct	-32.01	
For >100 To 250, Deduct	-55.62	
For >250 To 500, Deduct	-94.45	
For >500, Deduct	-133.29	
26 55 53 11-0246 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) (26 55 53 11-0241)		
26 55 53 11-0247 EA 21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200).....	1,911.50	327.53
For 0 To 10 Volt Dimming, Add	88.26	
For >50 To 100, Deduct	-64.16	
For >100 To 250, Deduct	-111.95	
For >250 To 500, Deduct	-191.15	
For >500, Deduct	-270.35	
26 55 53 11-0248 EA 42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400).....	2,902.34	327.53
For 0 To 10 Volt Dimming, Add	88.26	
For >50 To 100, Deduct	-88.94	
For >100 To 250, Deduct	-161.49	
For >250 To 500, Deduct	-290.23	
For >500, Deduct	-418.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0249 EA 84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800).....	5,035.22	327.53
For 0 To 10 Volt Dimming, Add	88.26	
For >50 To 100, Deduct	-142.26	
For >100 To 250, Deduct	-268.14	
For >250 To 500, Deduct	-503.52	
For >500, Deduct	-738.91	
26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) ^(26 55 53 11-0249)		
26 55 53 11-0251 EA 26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200).....	1,665.88	212.90
For 0 To 10 Volt Dimming, Add	88.26	
For 480 Volt, Add	132.79	
For >50 To 100, Deduct	-52.29	
For >100 To 250, Deduct	-93.94	
For >250 To 500, Deduct	-166.59	
For >500, Deduct	-239.24	
26 55 53 11-0252 EA 39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300).....	2,115.37	221.08
For 0 To 10 Volt Dimming, Add	88.26	
For 480 Volt, Add	107.26	
For >50 To 100, Deduct	-63.94	
For >100 To 250, Deduct	-116.82	
For >250 To 500, Deduct	-211.54	
For >500, Deduct	-306.25	
26 55 53 11-0253 EA 52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400).....	2,681.32	229.27
For 0 To 10 Volt Dimming, Add	88.26	
For 480 Volt, Add	86.97	
For >50 To 100, Deduct	-78.50	
For >100 To 250, Deduct	-145.53	
For >250 To 500, Deduct	-268.13	
For >500, Deduct	-390.73	
26 55 53 12 Security Hazardous Location Flood Lights ^(26 55 53)		
Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.		
26 55 53 12-0001 Lithonia Hazardous Location Flood Lights ^(26 55 53 12)		
26 55 53 12-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights ^(26 55 53 12-0001)		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights ^(26 55 53 12-0002)		
26 55 53 12-0004 EA 150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,060.75	163.15
26 55 53 12-0005 EA 250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,129.68	163.15
26 55 53 12-0006 EA 400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,062.98	163.15
26 55 53 12-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights ^(26 55 53 12-0002)		
26 55 53 12-0008 EA 250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,122.32	163.15
26 55 53 12-0009 EA 400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,089.66	163.15
26 55 53 12-0010 HFM (Medium Base) Series Hazardous Location Flood Lights ^(26 55 53 12-0001)		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights ^(26 55 53 12-0010)		
26 55 53 12-0012 EA 100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,013.37	163.15
26 55 53 12-0013 EA 150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,054.51	163.15
26 55 53 12-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights ^(26 55 53 12-0010)		
26 55 53 12-0015 EA 175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	902.20	163.15
26 55 53 12-0016 HFA (Large) Series Hazardous Location Flood Lights ^(26 55 53 12-0001)		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights ^(26 55 53 12-0016)		
26 55 53 12-0018 EA 250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,424.03	203.94
26 55 53 12-0019 EA 400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,444.04	203.94
26 55 53 12-0020 Metal Halide HFA Series Lithonia Hazardous Location Flood Lights ^(26 55 53 12-0016)		



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0021 EA 250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,417.36	203.94
26 55 53 12-0022 EA 400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,444.04	203.94
26 55 53 12-0023 HFL (Medium) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024 High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0023)</small>		
26 55 53 12-0025 EA 400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,067.49	183.55
26 55 53 12-0026 Metal Halide HFL Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0023)</small>		
26 55 53 12-0027 EA 400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,145.31	183.55
26 55 53 12-0028 Accessories For Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> See CSI section 26 55 53 11-0099 for accessories.		
26 55 53 13 Security High Performance Flood Lights <small>(26 55 53)</small> Note: For airport aprons and parking areas.		
26 55 53 13-0001 Lithonia High Performance Flood Lights <small>(26 55 53 13)</small>		
26 55 53 13-0002 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0001)</small> Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003 High Pressure Sodium 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0004 EA 250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,421.68	244.74
26 55 53 13-0005 EA 400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,604.01	244.74
26 55 53 13-0006 EA 750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,612.90	244.74
26 55 53 13-0007 EA 1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,890.84	244.74
26 55 53 13-0008 Metal Halide 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0009 EA 320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,775.22	244.74
26 55 53 13-0010 EA 350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,651.92	244.74
26 55 53 13-0011 EA 400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,535.08	244.74
26 55 53 13-0012 EA 1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,650.70	244.74
26 55 53 13-0013 Accessories For Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small> See CSI section 26 55 53 11-0099 for accessories.		
26 55 61 Theatrical Lighting <small>(26 55)</small>		
26 55 61 00-0001 Stage Lighting <small>(26 55 61)</small>		
26 55 61 00-0002 EA Ellipsoidal Spotlight, Two 6" x 9" Lenses	676.83	179.73
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0003 EA Ellipsoidal Spotlight, Two 6" x 12" Lenses	676.83	179.73
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0004 EA Ellipsoidal Spotlight, Two 6" x 16" Lenses	676.83	179.73
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.		
26 55 61 00-0005 EA 14" Scoop Floodlight Altman #SC14	696.83	179.73
26 55 61 00-0006 EA 6" Diameter Fresnel Spotlight, Spherical Specular Alzak1.....	561.49	179.73
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0007 EA 8" Diameter Fresnel Spotlight, Spherical Specular Alzak	884.41	179.73
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0008 EA Follow Spotlight With Steel Chassis And Lightweight	2,229.50	179.73
Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0009 EA Follow Spotlight With Steel Chassis And Lightweight	2,674.87	179.73
Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0010 EA 300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel.....	516.67	179.73
Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.		
26 55 61 00-0011 EA 6' Length, Multi-Lamp Compartmented Striplighting Luminaire.....	1,711.40	179.73
Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.		
26 55 61 00-0012 EA 1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S).....	2,881.15	179.73
26 55 68 Athletic Field Lighting <small>(26 55)</small>		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 55 68 00-0001	Sports Lighting System (26 55 68)		
	Note: Musco.		
26 55 68 00-0002	Round Steel Tapered Poles (26 55 68 00-0001)		
	Note: With Internal wiring harness.		
26 55 68 00-0003	EA 20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,234.68	783.14
26 55 68 00-0004	EA 25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,096.74	946.29
26 55 68 00-0005	EA 30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,733.43	1,027.88
26 55 68 00-0006	EA 35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,253.99	1,068.66
26 55 68 00-0007	EA 40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,780.37	1,109.45
26 55 68 00-0008	EA 45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,952.00	1,354.18
26 55 68 00-0009	EA 50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,614.64	1,435.76
26 55 68 00-0010	EA 55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	10,921.95	1,631.54
26 55 68 00-0011	EA 60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	12,395.42	1,835.48
26 55 68 00-0012	EA 65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	13,616.66	1,979.91
26 55 68 00-0013	EA 70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	14,865.05	2,212.84
26 55 68 00-0014	EA 75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	16,224.39	2,484.60
26 55 68 00-0015	EA 80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	18,249.37	2,989.28
26 55 68 00-0016	Steel Pole Brackets (26 55 68 00-0001)		
26 55 68 00-0017	EA Two Light Bracket	672.13	81.57
26 55 68 00-0018	EA Three Light Bracket	846.36	114.21
26 55 68 00-0019	EA Four Light Bracket	1,218.08	138.68
26 55 68 00-0020	EA Five Light Bracket	1,388.51	163.15
26 55 68 00-0021	EA Six Light Bracket	1,683.46	187.62
26 55 68 00-0022	EA Seven Light Bracket	1,927.59	212.10
26 55 68 00-0023	EA Eight Light Bracket	2,203.59	244.74
26 55 68 00-0024	EA Nine Light Bracket	2,489.25	269.21
26 55 68 00-0025	Light Fixtures (26 55 68 00-0001)		
26 55 68 00-0026	EA 120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug.....	1,522.30	
	For 1,500 Watt Metal Halide Lamp, Add	14.59	
26 55 68 00-0027	Electrical Component Enclosure (26 55 68 00-0001)		
	Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 55 68 00-0028	EA Electrical Component Enclosure For 2 Lights, Pole Mounted	1,016.86	96.13
26 55 68 00-0029	EA Electrical Component Enclosure For 3 Lights, Pole Mounted	1,527.19	147.91
26 55 68 00-0030	EA Electrical Component Enclosure For 4 Lights, Pole Mounted	1,751.07	184.87
26 55 68 00-0031	EA Electrical Component Enclosure For 5 Lights, Pole Mounted	2,261.20	207.07
26 55 68 00-0032	EA Electrical Component Enclosure For 6 Lights, Pole Mounted	2,540.06	221.85
26 55 68 00-0033	Accessories (26 55 68 00-0001)		
26 55 68 00-0034	EA Time Delay Kit (Musco®)	1,107.04	296.20
26 55 68 00-0035	EA Remote Switch Box Push Button (Musco®)	2,136.32	296.20
26 55 68 00-0036	EA Push Button Strobe Kit (Musco®)	2,548.03	296.20
26 55 68 00-0037	EA Additional Control-Link Unit (Musco®)	12,069.99	888.61
26 55 68 00-0038	EA Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	1,325.09	147.91
26 55 68 00-0039	EA Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	1,620.89	295.81

26 56 Exterior Lighting (26 50)

26 56 13 Lighting Poles and Standards (26 56)

26 56 13 00-0001	Poles And Standards (26 56 13)		
	See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole.		
26 56 13 00-0002	Roadway Light Poles (26 56 13 00-0001)		
	Note: Excludes lighting fixtures.		
26 56 13 00-0003	Steel Roadway Light Poles (26 56 13 00-0002)		
	Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004	Round Tapered, Steel Roadway Light Poles (26 56 13 00-0003)		
26 56 13 00-0005	Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0004)		
26 56 13 00-0006	Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0005)		
26 56 13 00-0007	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,140.92	489.46
	For Galvanized Finish, Add	64.86	
	For >10 To 20, Deduct	-78.52	
	For >20 To 40, Deduct	-157.05	
	For >40, Deduct	-260.04	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,146.26	489.46
			<i>For Galvanized Finish, Add</i>	65.02	
			<i>For >10 To 20, Deduct</i>	-78.66	
			<i>For >20 To 40, Deduct</i>	-157.31	
			<i>For >40, Deduct</i>	-260.44	
26 56	13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,504.24	652.62
			<i>For Galvanized Finish, Add</i>	65.97	
			<i>For >10 To 20, Deduct</i>	-87.61	
			<i>For >20 To 40, Deduct</i>	-175.21	
			<i>For >40, Deduct</i>	-295.45	
26 56	13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,568.49	652.62
			<i>For Galvanized Finish, Add</i>	67.90	
			<i>For >10 To 20, Deduct</i>	-89.21	
			<i>For >20 To 40, Deduct</i>	-178.42	
			<i>For >40, Deduct</i>	-300.27	
26 56	13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,632.74	652.62
			<i>For Galvanized Finish, Add</i>	69.83	
			<i>For >10 To 20, Deduct</i>	-90.82	
			<i>For >20 To 40, Deduct</i>	-181.64	
			<i>For >40, Deduct</i>	-305.09	
26 56	13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,809.43	734.20
			<i>For Galvanized Finish, Add</i>	70.23	
			<i>For >10 To 20, Deduct</i>	-95.24	
			<i>For >20 To 40, Deduct</i>	-190.47	
			<i>For >40, Deduct</i>	-322.42	
26 56	13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,839.90	734.20
			<i>For Galvanized Finish, Add</i>	71.15	
			<i>For >10 To 20, Deduct</i>	-96.00	
			<i>For >20 To 40, Deduct</i>	-192.00	
			<i>For >40, Deduct</i>	-324.70	
26 56	13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,845.69	734.20
			<i>For Galvanized Finish, Add</i>	71.32	
			<i>For >10 To 20, Deduct</i>	-96.14	
			<i>For >20 To 40, Deduct</i>	-192.28	
			<i>For >40, Deduct</i>	-325.14	
26 56	13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,035.44	774.99
			<i>For Galvanized Finish, Add</i>	74.56	
			<i>For >10 To 20, Deduct</i>	-100.89	
			<i>For >20 To 40, Deduct</i>	-201.77	
			<i>For >40, Deduct</i>	-341.41	
26 56	13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,058.45	774.99
			<i>For Galvanized Finish, Add</i>	75.25	
			<i>For >10 To 20, Deduct</i>	-101.46	
			<i>For >20 To 40, Deduct</i>	-202.92	
			<i>For >40, Deduct</i>	-343.13	
26 56	13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,083.58	774.99
			<i>For Galvanized Finish, Add</i>	76.01	
			<i>For >10 To 20, Deduct</i>	-102.09	
			<i>For >20 To 40, Deduct</i>	-204.18	
			<i>For >40, Deduct</i>	-345.02	
26 56	13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,615.30	815.77
			<i>For Galvanized Finish, Add</i>	89.51	
			<i>For >10 To 20, Deduct</i>	-115.38	
			<i>For >20 To 40, Deduct</i>	-230.77	
			<i>For >40, Deduct</i>	-386.94	
26 56	13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,623.49	815.77
			<i>For Galvanized Finish, Add</i>	89.76	
			<i>For >10 To 20, Deduct</i>	-115.59	
			<i>For >20 To 40, Deduct</i>	-231.17	
			<i>For >40, Deduct</i>	-387.55	
26 56	13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,631.59	815.77
			<i>For Galvanized Finish, Add</i>	90.00	
			<i>For >10 To 20, Deduct</i>	-115.79	
			<i>For >20 To 40, Deduct</i>	-231.58	
			<i>For >40, Deduct</i>	-388.16	

26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms (26 56 13 00-0005)

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,887.23	571.05
			<i>For Galvanized Finish, Add</i>	82.35	
			<i>For >10 To 20, Deduct</i>	-97.18	
			<i>For >20 To 40, Deduct</i>	-194.36	
			<i>For >40, Deduct</i>	-320.09	
26 56	13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,962.36	591.44
			<i>For Galvanized Finish, Add</i>	83.38	
			<i>For >10 To 20, Deduct</i>	-99.06	
			<i>For >20 To 40, Deduct</i>	-198.12	
			<i>For >40, Deduct</i>	-326.75	
26 56	13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,029.02	611.83
			<i>For Galvanized Finish, Add</i>	84.16	
			<i>For >10 To 20, Deduct</i>	-100.73	
			<i>For >20 To 40, Deduct</i>	-201.45	
			<i>For >40, Deduct</i>	-332.77	
26 56	13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,990.96	734.20
			<i>For Galvanized Finish, Add</i>	75.68	
			<i>For >10 To 20, Deduct</i>	-99.77	
			<i>For >20 To 40, Deduct</i>	-199.55	
			<i>For >40, Deduct</i>	-336.03	
26 56	13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,045.37	754.59
			<i>For Galvanized Finish, Add</i>	76.09	
			<i>For >10 To 20, Deduct</i>	-101.13	
			<i>For >20 To 40, Deduct</i>	-202.27	
			<i>For >40, Deduct</i>	-341.13	
26 56	13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,091.68	774.99
			<i>For Galvanized Finish, Add</i>	76.25	
			<i>For >10 To 20, Deduct</i>	-102.29	
			<i>For >20 To 40, Deduct</i>	-204.58	
			<i>For >40, Deduct</i>	-345.63	
26 56	13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,322.38	815.77
			<i>For Galvanized Finish, Add</i>	80.73	
			<i>For >10 To 20, Deduct</i>	-108.06	
			<i>For >20 To 40, Deduct</i>	-216.12	
			<i>For >40, Deduct</i>	-364.97	
26 56	13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,371.46	836.16
			<i>For Galvanized Finish, Add</i>	80.97	
			<i>For >10 To 20, Deduct</i>	-109.29	
			<i>For >20 To 40, Deduct</i>	-218.57	
			<i>For >40, Deduct</i>	-369.67	
26 56	13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,417.50	856.56
			<i>For Galvanized Finish, Add</i>	81.13	
			<i>For >10 To 20, Deduct</i>	-110.44	
			<i>For >20 To 40, Deduct</i>	-220.88	
			<i>For >40, Deduct</i>	-374.14	
26 56	13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,580.26	856.56
			<i>For Galvanized Finish, Add</i>	86.01	
			<i>For >10 To 20, Deduct</i>	-114.51	
			<i>For >20 To 40, Deduct</i>	-229.01	
			<i>For >40, Deduct</i>	-386.35	
26 56	13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,656.66	876.95
			<i>For Galvanized Finish, Add</i>	87.08	
			<i>For >10 To 20, Deduct</i>	-116.42	
			<i>For >20 To 40, Deduct</i>	-232.83	
			<i>For >40, Deduct</i>	-393.10	
26 56	13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,731.24	897.35
			<i>For Galvanized Finish, Add</i>	88.10	
			<i>For >10 To 20, Deduct</i>	-118.28	
			<i>For >20 To 40, Deduct</i>	-236.56	
			<i>For >40, Deduct</i>	-399.71	
26 56	13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	5,128.45	897.35
			<i>For Galvanized Finish, Add</i>	100.01	
			<i>For >10 To 20, Deduct</i>	-128.21	
			<i>For >20 To 40, Deduct</i>	-256.42	
			<i>For >40, Deduct</i>	-429.50	
26 56	13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,174.57	917.75
			<i>For Galvanized Finish, Add</i>	100.17	
			<i>For >10 To 20, Deduct</i>	-129.36	
			<i>For >20 To 40, Deduct</i>	-258.73	
			<i>For >40, Deduct</i>	-433.98	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0036	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,220.89	938.14
			<i>For Galvanized Finish, Add</i>	100.34	
			<i>For >10 To 20, Deduct</i>	-130.52	
			<i>For >20 To 40, Deduct</i>	-261.04	
			<i>For >40, Deduct</i>	-438.47	
26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms					
<i>(26 56 13 00-0005)</i>					
26 56 13 00-0038	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,658.75	815.77
			<i>For Galvanized Finish, Add</i>	90.82	
			<i>For >10 To 20, Deduct</i>	-116.47	
			<i>For >20 To 40, Deduct</i>	-232.94	
			<i>For >40, Deduct</i>	-390.19	
26 56 13 00-0039	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,745.77	856.56
			<i>For Galvanized Finish, Add</i>	90.98	
			<i>For >10 To 20, Deduct</i>	-118.64	
			<i>For >20 To 40, Deduct</i>	-237.29	
			<i>For >40, Deduct</i>	-398.76	
26 56 13 00-0040	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,840.87	897.35
			<i>For Galvanized Finish, Add</i>	91.39	
			<i>For >10 To 20, Deduct</i>	-121.02	
			<i>For >20 To 40, Deduct</i>	-242.04	
			<i>For >40, Deduct</i>	-407.93	
26 56 13 00-0041	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,957.60	897.35
			<i>For Galvanized Finish, Add</i>	94.89	
			<i>For >10 To 20, Deduct</i>	-123.94	
			<i>For >20 To 40, Deduct</i>	-247.88	
			<i>For >40, Deduct</i>	-416.69	
26 56 13 00-0042	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,047.19	938.14
			<i>For Galvanized Finish, Add</i>	95.13	
			<i>For >10 To 20, Deduct</i>	-126.18	
			<i>For >20 To 40, Deduct</i>	-252.36	
			<i>For >40, Deduct</i>	-425.45	
26 56 13 00-0043	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,134.19	978.93
			<i>For Galvanized Finish, Add</i>	95.29	
			<i>For >10 To 20, Deduct</i>	-128.35	
			<i>For >20 To 40, Deduct</i>	-256.71	
			<i>For >40, Deduct</i>	-434.01	
26 56 13 00-0044	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,261.40	938.14
			<i>For Galvanized Finish, Add</i>	101.55	
			<i>For >10 To 20, Deduct</i>	-131.54	
			<i>For >20 To 40, Deduct</i>	-263.07	
			<i>For >40, Deduct</i>	-441.51	
26 56 13 00-0045	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,348.40	978.93
			<i>For Galvanized Finish, Add</i>	101.72	
			<i>For >10 To 20, Deduct</i>	-133.71	
			<i>For >20 To 40, Deduct</i>	-267.42	
			<i>For >40, Deduct</i>	-450.08	
26 56 13 00-0046	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,435.41	1,019.71
			<i>For Galvanized Finish, Add</i>	101.88	
			<i>For >10 To 20, Deduct</i>	-135.89	
			<i>For >20 To 40, Deduct</i>	-271.77	
			<i>For >40, Deduct</i>	-458.64	
26 56 13 00-0047	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,641.59	978.93
			<i>For Galvanized Finish, Add</i>	110.51	
			<i>For >10 To 20, Deduct</i>	-141.04	
			<i>For >20 To 40, Deduct</i>	-282.08	
			<i>For >40, Deduct</i>	-472.07	
26 56 13 00-0048	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,728.33	1,019.71
			<i>For Galvanized Finish, Add</i>	110.67	
			<i>For >10 To 20, Deduct</i>	-143.21	
			<i>For >20 To 40, Deduct</i>	-286.42	
			<i>For >40, Deduct</i>	-480.61	
26 56 13 00-0049	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,820.77	1,060.51
			<i>For Galvanized Finish, Add</i>	110.99	
			<i>For >10 To 20, Deduct</i>	-145.52	
			<i>For >20 To 40, Deduct</i>	-291.04	
			<i>For >40, Deduct</i>	-489.58	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0050			Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56 13 00-0051	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,174.57	897.35
			<i>For Galvanized Finish, Add</i>	101.40	
			<i>For >10 To 20, Deduct</i>	-129.36	
			<i>For >20 To 40, Deduct</i>	-258.73	
			<i>For >40, Deduct</i>	-432.96	
26 56 13 00-0052	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,305.04	958.53
			<i>For Galvanized Finish, Add</i>	101.64	
			<i>For >10 To 20, Deduct</i>	-132.63	
			<i>For >20 To 40, Deduct</i>	-265.25	
			<i>For >40, Deduct</i>	-445.80	
26 56 13 00-0053	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,432.74	1,019.71
			<i>For Galvanized Finish, Add</i>	101.80	
			<i>For >10 To 20, Deduct</i>	-135.82	
			<i>For >20 To 40, Deduct</i>	-271.64	
			<i>For >40, Deduct</i>	-458.44	
26 56 13 00-0054	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,506.64	978.93
			<i>For Galvanized Finish, Add</i>	106.46	
			<i>For >10 To 20, Deduct</i>	-137.67	
			<i>For >20 To 40, Deduct</i>	-275.33	
			<i>For >40, Deduct</i>	-461.94	
26 56 13 00-0055	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,634.72	1,040.11
			<i>For Galvanized Finish, Add</i>	106.64	
			<i>For >10 To 20, Deduct</i>	-140.87	
			<i>For >20 To 40, Deduct</i>	-281.74	
			<i>For >40, Deduct</i>	-474.61	
26 56 13 00-0056	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,731.50	1,101.29
			<i>For Galvanized Finish, Add</i>	105.87	
			<i>For >10 To 20, Deduct</i>	-143.29	
			<i>For >20 To 40, Deduct</i>	-286.58	
			<i>For >40, Deduct</i>	-484.93	
26 56 13 00-0057	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,896.51	1,019.71
			<i>For Galvanized Finish, Add</i>	115.71	
			<i>For >10 To 20, Deduct</i>	-147.41	
			<i>For >20 To 40, Deduct</i>	-294.83	
			<i>For >40, Deduct</i>	-493.22	
26 56 13 00-0058	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,061.21	1,080.90
			<i>For Galvanized Finish, Add</i>	116.98	
			<i>For >10 To 20, Deduct</i>	-151.53	
			<i>For >20 To 40, Deduct</i>	-303.06	
			<i>For >40, Deduct</i>	-508.64	
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,154.96	1,142.08
			<i>For Galvanized Finish, Add</i>	116.12	
			<i>For >10 To 20, Deduct</i>	-153.87	
			<i>For >20 To 40, Deduct</i>	-307.75	
			<i>For >40, Deduct</i>	-518.73	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,154.47	1,060.51
			<i>For Galvanized Finish, Add</i>	121.00	
			<i>For >10 To 20, Deduct</i>	-153.86	
			<i>For >20 To 40, Deduct</i>	-307.72	
			<i>For >40, Deduct</i>	-514.61	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,282.17	1,121.69
			<i>For Galvanized Finish, Add</i>	121.16	
			<i>For >10 To 20, Deduct</i>	-157.05	
			<i>For >20 To 40, Deduct</i>	-314.11	
			<i>For >40, Deduct</i>	-527.25	
26 56 13 00-0062	EA		40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,412.64	1,182.87
			<i>For Galvanized Finish, Add</i>	121.41	
			<i>For >10 To 20, Deduct</i>	-160.32	
			<i>For >20 To 40, Deduct</i>	-320.63	
			<i>For >40, Deduct</i>	-540.09	
26 56 13 00-0063			Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56 13 00-0064			Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56 13 00-0065	EA		25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,703.07	652.62
			<i>For Galvanized Finish, Add</i>	71.93	
			<i>For >10 To 20, Deduct</i>	-92.58	
			<i>For >20 To 40, Deduct</i>	-185.15	
			<i>For >40, Deduct</i>	-310.36	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,187.58 81.58 -104.69 -209.38 -350.78	734.20
26 56	13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,313.90 82.92 -107.85 -215.70 -362.29	774.99
26 56	13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,081.83 103.51 -127.05 -254.09 -421.93	815.77
26 56	13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0004)</small>		
26 56	13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0069)</small>		
26 56	13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,662.92 100.73 -116.57 -233.15 -382.35	652.62
26 56	13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,704.07 101.96 -117.60 -235.20 -385.44	652.62
26 56	13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,722.85 102.53 -118.07 -236.14 -386.84	652.62
26 56	13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,867.22 101.96 -121.68 -243.36 -401.75	734.20
26 56	13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,874.40 102.18 -121.86 -243.72 -402.29	734.20
26 56	13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,948.60 104.41 -123.72 -247.43 -407.85	734.20
26 56	13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,973.20 102.70 -124.33 -248.66 -411.74	774.99
26 56	13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,016.65 104.00 -125.42 -250.83 -415.00	774.99
26 56	13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,244.48 110.84 -131.11 -262.22 -432.09	774.99
26 56	13 00-0080		Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0069)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,083.94	815.77
			<i>For Galvanized Finish, Add</i>	133.57	
			<i>For >10 To 20, Deduct</i>	-152.10	
			<i>For >20 To 40, Deduct</i>	-304.20	
			<i>For >40, Deduct</i>	-497.08	
26 56	13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,204.92	856.56
			<i>For Galvanized Finish, Add</i>	134.75	
			<i>For >10 To 20, Deduct</i>	-155.12	
			<i>For >20 To 40, Deduct</i>	-310.25	
			<i>For >40, Deduct</i>	-508.20	
26 56	13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,441.15	897.35
			<i>For Galvanized Finish, Add</i>	139.39	
			<i>For >10 To 20, Deduct</i>	-161.03	
			<i>For >20 To 40, Deduct</i>	-322.06	
			<i>For >40, Deduct</i>	-527.95	
26 56	13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,224.27	897.35
			<i>For Galvanized Finish, Add</i>	132.89	
			<i>For >10 To 20, Deduct</i>	-155.61	
			<i>For >20 To 40, Deduct</i>	-311.21	
			<i>For >40, Deduct</i>	-511.69	
26 56	13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,509.38	938.14
			<i>For Galvanized Finish, Add</i>	138.99	
			<i>For >10 To 20, Deduct</i>	-162.73	
			<i>For >20 To 40, Deduct</i>	-325.47	
			<i>For >40, Deduct</i>	-535.11	
26 56	13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,691.10	978.93
			<i>For Galvanized Finish, Add</i>	142.00	
			<i>For >10 To 20, Deduct</i>	-167.28	
			<i>For >20 To 40, Deduct</i>	-334.56	
			<i>For >40, Deduct</i>	-550.78	
26 56	13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,419.53	938.14
			<i>For Galvanized Finish, Add</i>	136.30	
			<i>For >10 To 20, Deduct</i>	-160.49	
			<i>For >20 To 40, Deduct</i>	-320.98	
			<i>For >40, Deduct</i>	-528.37	
26 56	13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,791.44	978.93
			<i>For Galvanized Finish, Add</i>	145.01	
			<i>For >10 To 20, Deduct</i>	-169.79	
			<i>For >20 To 40, Deduct</i>	-339.57	
			<i>For >40, Deduct</i>	-558.30	
26 56	13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,022.15	1,019.71
			<i>For Galvanized Finish, Add</i>	149.48	
			<i>For >10 To 20, Deduct</i>	-175.55	
			<i>For >20 To 40, Deduct</i>	-351.11	
			<i>For >40, Deduct</i>	-577.65	
26 56	13 00-0090		Aluminum Roadway Light Poles <small>(26 56 13 00-0092)</small> Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56	13 00-0091		Round Tapered, Aluminum Roadway Light Poles <small>(26 56 13 00-0090)</small>		
26 56	13 00-0092		Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0091)</small>		
26 56	13 00-0093		Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0092)</small>		
26 56	13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,469.83	489.46
			<i>For >10 To 20, Deduct</i>	-61.75	
			<i>For >20 To 40, Deduct</i>	-123.49	
			<i>For >40, Deduct</i>	-209.71	
26 56	13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,487.88	489.46
			<i>For >10 To 20, Deduct</i>	-62.20	
			<i>For >20 To 40, Deduct</i>	-124.39	
			<i>For >40, Deduct</i>	-211.06	
26 56	13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,068.56	652.62
			<i>For >10 To 20, Deduct</i>	-76.71	
			<i>For >20 To 40, Deduct</i>	-153.43	
			<i>For >40, Deduct</i>	-262.77	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,102.66	652.62
			<i>For >10 To 20, Deduct</i>	-77.57	
			<i>For >20 To 40, Deduct</i>	-155.13	
			<i>For >40, Deduct</i>	-265.33	
26 56	13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,134.02	652.62
			<i>For >10 To 20, Deduct</i>	-78.35	
			<i>For >20 To 40, Deduct</i>	-156.70	
			<i>For >40, Deduct</i>	-267.68	
26 56	13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,510.72	734.20
			<i>For >10 To 20, Deduct</i>	-87.77	
			<i>For >20 To 40, Deduct</i>	-175.54	
			<i>For >40, Deduct</i>	-300.01	
26 56	13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,539.49	734.20
			<i>For >10 To 20, Deduct</i>	-88.49	
			<i>For >20 To 40, Deduct</i>	-176.97	
			<i>For >40, Deduct</i>	-302.17	
26 56	13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,571.67	734.20
			<i>For >10 To 20, Deduct</i>	-89.29	
			<i>For >20 To 40, Deduct</i>	-178.58	
			<i>For >40, Deduct</i>	-304.59	
26 56	13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,047.50	774.99
			<i>For >10 To 20, Deduct</i>	-101.19	
			<i>For >20 To 40, Deduct</i>	-202.38	
			<i>For >40, Deduct</i>	-342.31	
26 56	13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,076.20	774.99
			<i>For >10 To 20, Deduct</i>	-101.91	
			<i>For >20 To 40, Deduct</i>	-203.81	
			<i>For >40, Deduct</i>	-344.46	
26 56	13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,100.24	774.99
			<i>For >10 To 20, Deduct</i>	-102.51	
			<i>For >20 To 40, Deduct</i>	-205.01	
			<i>For >40, Deduct</i>	-346.27	
26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms					
<small>(26 56 13 00-0092)</small>					
26 56	13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	2,837.87	571.05
			<i>For >10 To 20, Deduct</i>	-70.95	
			<i>For >20 To 40, Deduct</i>	-141.89	
			<i>For >40, Deduct</i>	-241.39	
26 56	13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,014.73	571.05
			<i>For >10 To 20, Deduct</i>	-75.37	
			<i>For >20 To 40, Deduct</i>	-150.74	
			<i>For >40, Deduct</i>	-254.66	
26 56	13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,130.78	611.83
			<i>For >10 To 20, Deduct</i>	-78.27	
			<i>For >20 To 40, Deduct</i>	-156.54	
			<i>For >40, Deduct</i>	-265.40	
26 56	13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,426.91	734.20
			<i>For >10 To 20, Deduct</i>	-85.67	
			<i>For >20 To 40, Deduct</i>	-171.35	
			<i>For >40, Deduct</i>	-293.73	
26 56	13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,580.28	754.59
			<i>For >10 To 20, Deduct</i>	-89.51	
			<i>For >20 To 40, Deduct</i>	-179.01	
			<i>For >40, Deduct</i>	-306.25	
26 56	13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,794.53	774.99
			<i>For >10 To 20, Deduct</i>	-94.86	
			<i>For >20 To 40, Deduct</i>	-189.73	
			<i>For >40, Deduct</i>	-323.34	
26 56	13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,931.06	815.77
			<i>For >10 To 20, Deduct</i>	-98.28	
			<i>For >20 To 40, Deduct</i>	-196.55	
			<i>For >40, Deduct</i>	-335.62	
26 56	13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,076.29	836.16
			<i>For >10 To 20, Deduct</i>	-101.91	
			<i>For >20 To 40, Deduct</i>	-203.81	
			<i>For >40, Deduct</i>	-347.53	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,250.08	856.56
			<i>For >10 To 20, Deduct</i>	-106.25	
			<i>For >20 To 40, Deduct</i>	-212.50	
			<i>For >40, Deduct</i>	-361.58	
26 56	13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,406.53	856.56
			<i>For >10 To 20, Deduct</i>	-110.16	
			<i>For >20 To 40, Deduct</i>	-220.33	
			<i>For >40, Deduct</i>	-373.32	
26 56	13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,772.91	876.95
			<i>For >10 To 20, Deduct</i>	-119.32	
			<i>For >20 To 40, Deduct</i>	-238.65	
			<i>For >40, Deduct</i>	-401.82	
26 56	13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,196.49	897.35
			<i>For >10 To 20, Deduct</i>	-129.91	
			<i>For >20 To 40, Deduct</i>	-259.82	
			<i>For >40, Deduct</i>	-434.60	
26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0092)</small>					
26 56	13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,285.73	652.62
			<i>For >10 To 20, Deduct</i>	-82.14	
			<i>For >20 To 40, Deduct</i>	-164.29	
			<i>For >40, Deduct</i>	-279.06	
26 56	13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,510.37	693.40
			<i>For >10 To 20, Deduct</i>	-87.76	
			<i>For >20 To 40, Deduct</i>	-175.52	
			<i>For >40, Deduct</i>	-297.95	
26 56	13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,012.50	815.77
			<i>For >10 To 20, Deduct</i>	-100.31	
			<i>For >20 To 40, Deduct</i>	-200.63	
			<i>For >40, Deduct</i>	-341.73	
26 56	13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,188.69	856.56
			<i>For >10 To 20, Deduct</i>	-104.72	
			<i>For >20 To 40, Deduct</i>	-209.43	
			<i>For >40, Deduct</i>	-356.98	
26 56	13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,386.91	897.35
			<i>For >10 To 20, Deduct</i>	-109.67	
			<i>For >20 To 40, Deduct</i>	-219.35	
			<i>For >40, Deduct</i>	-373.89	
26 56	13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,549.93	938.14
			<i>For >10 To 20, Deduct</i>	-113.75	
			<i>For >20 To 40, Deduct</i>	-227.50	
			<i>For >40, Deduct</i>	-388.15	
26 56	13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,719.31	938.14
			<i>For >10 To 20, Deduct</i>	-117.98	
			<i>For >20 To 40, Deduct</i>	-235.97	
			<i>For >40, Deduct</i>	-400.86	
26 56	13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,101.49	978.93
			<i>For >10 To 20, Deduct</i>	-127.54	
			<i>For >20 To 40, Deduct</i>	-255.07	
			<i>For >40, Deduct</i>	-431.56	
26 56	13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	11,375.81	1,019.71
			<i>For >10 To 20, Deduct</i>	-284.40	
			<i>For >20 To 40, Deduct</i>	-568.79	
			<i>For >40, Deduct</i>	-904.17	
26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0092)</small>					
26 56	13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,448.44	734.20
			<i>For >10 To 20, Deduct</i>	-86.21	
			<i>For >20 To 40, Deduct</i>	-172.42	
			<i>For >40, Deduct</i>	-295.34	
26 56	13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,556.73	734.20
			<i>For >10 To 20, Deduct</i>	-88.92	
			<i>For >20 To 40, Deduct</i>	-177.84	
			<i>For >40, Deduct</i>	-303.46	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,393.64	897.35
			<i>For >10 To 20, Deduct</i>	-109.84	
			<i>For >20 To 40, Deduct</i>	-219.68	
			<i>For >40, Deduct</i>	-374.39	
26 56	13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,746.86	958.53
			<i>For >10 To 20, Deduct</i>	-118.67	
			<i>For >20 To 40, Deduct</i>	-237.34	
			<i>For >40, Deduct</i>	-403.94	
26 56	13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,935.14	978.93
			<i>For >10 To 20, Deduct</i>	-123.38	
			<i>For >20 To 40, Deduct</i>	-246.76	
			<i>For >40, Deduct</i>	-419.08	
26 56	13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,264.39	1,040.11
			<i>For >10 To 20, Deduct</i>	-131.61	
			<i>For >20 To 40, Deduct</i>	-263.22	
			<i>For >40, Deduct</i>	-446.83	
26 56	13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,188.40	1,019.71
			<i>For >10 To 20, Deduct</i>	-129.71	
			<i>For >20 To 40, Deduct</i>	-259.42	
			<i>For >40, Deduct</i>	-440.12	
26 56	13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,840.88	1,080.90
			<i>For >10 To 20, Deduct</i>	-146.02	
			<i>For >20 To 40, Deduct</i>	-292.04	
			<i>For >40, Deduct</i>	-492.11	
26 56	13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,423.19	1,142.08
			<i>For >10 To 20, Deduct</i>	-160.58	
			<i>For >20 To 40, Deduct</i>	-321.16	
			<i>For >40, Deduct</i>	-538.84	
26 56	13 00-0138		Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0091)</small>		
26 56	13 00-0139		Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0138)</small>		
26 56	13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,569.62	652.62
			<i>For >10 To 20, Deduct</i>	-89.24	
			<i>For >20 To 40, Deduct</i>	-178.48	
			<i>For >40, Deduct</i>	-300.35	
26 56	13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,593.74	652.62
			<i>For >10 To 20, Deduct</i>	-89.84	
			<i>For >20 To 40, Deduct</i>	-179.69	
			<i>For >40, Deduct</i>	-302.16	
26 56	13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,655.35	652.62
			<i>For >10 To 20, Deduct</i>	-91.38	
			<i>For >20 To 40, Deduct</i>	-182.77	
			<i>For >40, Deduct</i>	-306.78	
26 56	13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	3,747.81	652.62
			<i>For >10 To 20, Deduct</i>	-93.70	
			<i>For >20 To 40, Deduct</i>	-187.39	
			<i>For >40, Deduct</i>	-313.72	
26 56	13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,018.66	734.20
			<i>For >10 To 20, Deduct</i>	-100.47	
			<i>For >20 To 40, Deduct</i>	-200.93	
			<i>For >40, Deduct</i>	-338.11	
26 56	13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,073.03	734.20
			<i>For >10 To 20, Deduct</i>	-101.83	
			<i>For >20 To 40, Deduct</i>	-203.65	
			<i>For >40, Deduct</i>	-342.19	
26 56	13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,131.02	734.20
			<i>For >10 To 20, Deduct</i>	-103.28	
			<i>For >20 To 40, Deduct</i>	-206.55	
			<i>For >40, Deduct</i>	-346.54	
26 56	13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,480.81	734.20
			<i>For >10 To 20, Deduct</i>	-112.02	
			<i>For >20 To 40, Deduct</i>	-224.04	
			<i>For >40, Deduct</i>	-372.77	
26 56	13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,348.99	774.99
			<i>For >10 To 20, Deduct</i>	-108.72	
			<i>For >20 To 40, Deduct</i>	-217.45	
			<i>For >40, Deduct</i>	-364.92	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,797.83	774.99
			<i>For >10 To 20, Deduct</i>	-119.95	
			<i>For >20 To 40, Deduct</i>	-239.89	
			<i>For >40, Deduct</i>	-398.59	
26 56	13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,841.55	774.99
			<i>For >10 To 20, Deduct</i>	-121.04	
			<i>For >20 To 40, Deduct</i>	-242.08	
			<i>For >40, Deduct</i>	-401.87	
26 56	13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,119.07	774.99
			<i>For >10 To 20, Deduct</i>	-127.98	
			<i>For >20 To 40, Deduct</i>	-255.95	
			<i>For >40, Deduct</i>	-422.68	
26 56	13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,372.19	774.99
			<i>For >10 To 20, Deduct</i>	-134.30	
			<i>For >20 To 40, Deduct</i>	-268.61	
			<i>For >40, Deduct</i>	-441.66	
26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0138)</small>					
26 56	13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,608.83	815.77
			<i>For >10 To 20, Deduct</i>	-115.22	
			<i>For >20 To 40, Deduct</i>	-230.44	
			<i>For >40, Deduct</i>	-386.45	
26 56	13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	4,752.03	856.56
			<i>For >10 To 20, Deduct</i>	-118.80	
			<i>For >20 To 40, Deduct</i>	-237.60	
			<i>For >40, Deduct</i>	-399.23	
26 56	13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	4,873.25	897.35
			<i>For >10 To 20, Deduct</i>	-121.83	
			<i>For >20 To 40, Deduct</i>	-243.66	
			<i>For >40, Deduct</i>	-410.36	
26 56	13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,978.87	897.35
			<i>For >10 To 20, Deduct</i>	-124.47	
			<i>For >20 To 40, Deduct</i>	-248.94	
			<i>For >40, Deduct</i>	-418.28	
26 56	13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,381.62	938.14
			<i>For >10 To 20, Deduct</i>	-134.54	
			<i>For >20 To 40, Deduct</i>	-269.08	
			<i>For >40, Deduct</i>	-450.53	
26 56	13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,096.88	978.93
			<i>For >10 To 20, Deduct</i>	-152.42	
			<i>For >20 To 40, Deduct</i>	-304.84	
			<i>For >40, Deduct</i>	-506.21	
26 56	13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,889.86	938.14
			<i>For >10 To 20, Deduct</i>	-147.25	
			<i>For >20 To 40, Deduct</i>	-294.49	
			<i>For >40, Deduct</i>	-488.65	
26 56	13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,023.06	978.93
			<i>For >10 To 20, Deduct</i>	-150.58	
			<i>For >20 To 40, Deduct</i>	-301.15	
			<i>For >40, Deduct</i>	-500.68	
26 56	13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,188.27	1,019.71
			<i>For >10 To 20, Deduct</i>	-179.71	
			<i>For >20 To 40, Deduct</i>	-359.41	
			<i>For >40, Deduct</i>	-590.11	
26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0091)</small>					
26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0163)</small>					
26 56	13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	2,891.30	489.46
			<i>For >10 To 20, Deduct</i>	-72.28	
			<i>For >20 To 40, Deduct</i>	-144.57	
			<i>For >40, Deduct</i>	-241.32	
26 56	13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	2,959.42	489.46
			<i>For >10 To 20, Deduct</i>	-73.99	
			<i>For >20 To 40, Deduct</i>	-147.97	
			<i>For >40, Deduct</i>	-246.43	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0167 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,027.70 -75.69 -151.39 -251.55	489.46
26 56 13 00-0168 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,496.17 -87.40 -174.81 -294.84	652.62
26 56 13 00-0169 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,548.10 -88.70 -177.41 -298.74	652.62
26 56 13 00-0170 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,604.83 -90.12 -180.24 -302.99	652.62
26 56 13 00-0171 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,943.95 -98.60 -197.20 -332.51	734.20
26 56 13 00-0172 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,014.44 -100.36 -200.72 -337.79	734.20
26 56 13 00-0173 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,025.02 -100.63 -201.25 -338.59	734.20
26 56 13 00-0174 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,276.36 -106.91 -213.82 -359.48	774.99
26 56 13 00-0175 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,307.28 -107.68 -215.36 -361.80	774.99
26 56 13 00-0176 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,379.76 -109.49 -218.99 -367.23	774.99
26 56 13 00-0177 Area Light Poles <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
26 56 13 00-0178 Steel Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179 Round Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0180 Round Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0179)</small>		
26 56 13 00-0181 EA 10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,562.53 29.74 -53.94 -97.96 -205.83	285.52
26 56 13 00-0182 EA 12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,699.03 31.39 -58.17 -105.88 -222.22	326.31
26 56 13 00-0183 EA 14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,898.71 34.94 -64.94 -118.23 -248.10	367.09
26 56 13 00-0184 EA 16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,103.87 38.64 -71.92 -130.96 -274.79	407.89
26 56 13 00-0185 EA 18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,240.38 40.29 -76.15 -138.88 -291.19	448.68

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI UOM		UNIT COST	UNIT COST
26 56 13 00-0186	EA 20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,363.16 41.53 -79.84 -145.84 -305.53	489.46
26 56 13 00-0187	EA 10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,633.94 31.89 -56.79 -102.95 -216.54	285.52
26 56 13 00-0188	EA 12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,773.18 33.62 -61.14 -111.07 -233.35	326.31
26 56 13 00-0189	EA 14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,047.02 39.38 -70.87 -128.61 -270.34	367.09
26 56 13 00-0190	EA 16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,200.00 41.53 -75.76 -137.68 -289.21	407.89
26 56 13 00-0191	EA 18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,344.75 43.42 -80.33 -146.19 -306.85	448.68
26 56 13 00-0192	EA 20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,462.03 44.49 -83.80 -152.76 -320.36	489.46
26 56 13 00-0193	EA 25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,889.96 47.54 -96.02 -176.19 -368.23	652.62
26 56 13 00-0194	EA 10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,633.94 31.89 -56.79 -102.95 -216.54	285.52
26 56 13 00-0195	EA 12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,781.42 33.86 -61.47 -111.65 -234.58	326.31
26 56 13 00-0196	EA 14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,090.96 40.70 -72.63 -131.68 -276.93	367.09
26 56 13 00-0197	EA 16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,208.24 41.77 -76.09 -138.26 -290.45	407.89
26 56 13 00-0198	EA 18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,344.75 43.42 -80.33 -146.19 -306.85	448.68
26 56 13 00-0199	EA 20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,462.03 44.49 -83.80 -152.76 -320.36	489.46
26 56 13 00-0200	EA 25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,966.86 49.85 -99.10 -181.58 -379.77	652.62
26 56 13 00-0201	EA 30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,272.83 54.13 -108.89 -199.73 -417.51	734.20
26 56 13 00-0202	EA 20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,637.80 49.77 -90.83 -165.07 -346.72	489.46



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,002.56 50.92 -100.52 -184.07 -385.12	652.62
26 56	13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,341.49 56.19 -111.63 -204.54 -427.80	734.20
26 56 13 00-0205 Round Tapered, Steel Area Light Poles (26 56 13 00-0178)					
26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0205)					
26 56	13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,258.51 68.39 -115.66 -208.52 -439.83	489.46
26 56	13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,343.65 70.94 -119.06 -214.48 -452.60	489.46
26 56	13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,856.72 76.54 -134.69 -243.87 -513.25	652.62
26 56	13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,032.49 81.82 -141.72 -256.17 -539.61	652.62
26 56	13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,294.52 84.78 -149.75 -271.25 -570.76	734.20
26 56	13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,588.39 93.60 -161.51 -291.82 -614.84	734.20
26 56	13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,730.39 95.41 -165.97 -300.13 -632.06	774.99
26 56	13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,911.66 100.85 -173.22 -312.82 -659.25	774.99
26 56	13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,345.61 113.87 -190.57 -343.19 -724.34	774.99
26 56	13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,394.22 112.88 -191.30 -344.96 -727.56	815.77
26 56	13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,471.12 115.19 -194.37 -350.35 -739.09	815.77
26 56	13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,440.94 159.60 -265.82 -478.45 -1,010.09	1,060.51
26 56	13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,750.77 159.10 -273.32 -493.61 -1,040.25	1,223.66
26 56	13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,224.47 117.58 -189.40 -339.61 -718.41	652.62

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0221	EA		30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,931.42	734.20
			<i>For Galvanized Finish, Add</i>	133.89	
			<i>For >10 To 20, Deduct</i>	-215.23	
			<i>For >20 To 40, Deduct</i>	-385.83	
			<i>For >40, Deduct</i>	-816.29	
26 56 13 00-0222	EA		39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,874.57	815.77
			<i>For Galvanized Finish, Add</i>	157.29	
			<i>For >10 To 20, Deduct</i>	-250.51	
			<i>For >20 To 40, Deduct</i>	-448.59	
			<i>For >40, Deduct</i>	-949.61	
26 56 13 00-0223	EA		45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	8,297.84	1,060.51
			<i>For Galvanized Finish, Add</i>	185.30	
			<i>For >10 To 20, Deduct</i>	-300.10	
			<i>For >20 To 40, Deduct</i>	-538.43	
			<i>For >40, Deduct</i>	-1,138.63	
26 56 13 00-0224	EA		50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	9,684.29	1,223.66
			<i>For Galvanized Finish, Add</i>	217.11	
			<i>For >10 To 20, Deduct</i>	-350.66	
			<i>For >20 To 40, Deduct</i>	-628.95	
			<i>For >40, Deduct</i>	-1,330.28	
26 56 13 00-0225	EA		50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	10,802.11	1,223.66
			<i>For Galvanized Finish, Add</i>	250.64	
			<i>For >10 To 20, Deduct</i>	-395.37	
			<i>For >20 To 40, Deduct</i>	-707.20	
			<i>For >40, Deduct</i>	-1,497.95	
26 56 13 00-0226	EA		50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	14,537.32	1,223.66
			<i>For Galvanized Finish, Add</i>	362.70	
			<i>For >10 To 20, Deduct</i>	-544.78	
			<i>For >20 To 40, Deduct</i>	-968.67	
			<i>For >40, Deduct</i>	-2,058.23	
26 56 13 00-0227	EA		50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	16,350.00	1,223.66
			<i>For Galvanized Finish, Add</i>	417.08	
			<i>For >10 To 20, Deduct</i>	-617.29	
			<i>For >20 To 40, Deduct</i>	-1,095.55	
			<i>For >40, Deduct</i>	-2,330.13	
26 56 13 00-0228			Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0229			Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0228)</small>		
26 56 13 00-0230	EA		10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,540.56	285.52
			<i>For Galvanized Finish, Add</i>	29.09	
			<i>For >10 To 20, Deduct</i>	-53.06	
			<i>For >20 To 40, Deduct</i>	-96.42	
			<i>For >40, Deduct</i>	-202.53	
26 56 13 00-0231	EA		12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,622.13	326.31
			<i>For Galvanized Finish, Add</i>	29.09	
			<i>For >10 To 20, Deduct</i>	-55.10	
			<i>For >20 To 40, Deduct</i>	-100.50	
			<i>For >40, Deduct</i>	-210.69	
26 56 13 00-0232	EA		14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,750.40	367.09
			<i>For Galvanized Finish, Add</i>	30.49	
			<i>For >10 To 20, Deduct</i>	-59.00	
			<i>For >20 To 40, Deduct</i>	-107.84	
			<i>For >40, Deduct</i>	-225.85	
26 56 13 00-0233	EA		15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,857.10	387.49
			<i>For Galvanized Finish, Add</i>	32.46	
			<i>For >10 To 20, Deduct</i>	-62.66	
			<i>For >20 To 40, Deduct</i>	-114.50	
			<i>For >40, Deduct</i>	-239.82	
26 56 13 00-0234	EA		16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,897.88	407.89
			<i>For Galvanized Finish, Add</i>	32.46	
			<i>For >10 To 20, Deduct</i>	-63.68	
			<i>For >20 To 40, Deduct</i>	-116.54	
			<i>For >40, Deduct</i>	-243.89	
26 56 13 00-0235	EA		18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,009.67	448.68
			<i>For Galvanized Finish, Add</i>	33.37	
			<i>For >10 To 20, Deduct</i>	-66.93	
			<i>For >20 To 40, Deduct</i>	-122.73	
			<i>For >40, Deduct</i>	-256.58	
26 56 13 00-0236	EA		20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,115.97	489.46
			<i>For Galvanized Finish, Add</i>	34.11	
			<i>For >10 To 20, Deduct</i>	-69.95	
			<i>For >20 To 40, Deduct</i>	-128.54	
			<i>For >40, Deduct</i>	-268.45	
26 56 13 00-0237	EA		25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,607.07	652.62
			<i>For Galvanized Finish, Add</i>	39.05	
			<i>For >10 To 20, Deduct</i>	-84.70	
			<i>For >20 To 40, Deduct</i>	-156.39	
			<i>For >40, Deduct</i>	-325.80	
26 56 13 00-0238	EA		20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,486.75	489.46
			<i>For Galvanized Finish, Add</i>	45.23	
			<i>For >10 To 20, Deduct</i>	-84.79	
			<i>For >20 To 40, Deduct</i>	-154.49	
			<i>For >40, Deduct</i>	-324.07	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,117.92 54.38 -105.14 -192.15 -402.43	652.62
26 56	13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,580.43 63.36 -121.19 -221.26 -463.65	734.20
26 56	13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,385.13 42.19 -80.72 -147.38 -308.82	489.46
26 56	13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,920.17 48.45 -97.23 -178.31 -372.76	652.62
26 56	13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,410.15 58.25 -114.38 -209.34 -438.10	734.20
26 56	13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,733.93 52.65 -94.67 -171.80 -361.14	489.46
26 56	13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,365.10 61.80 -115.03 -209.45 -439.50	652.62
26 56	13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,813.88 70.36 -130.53 -237.60 -498.66	734.20
26 56	13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,236.03 80.58 -146.19 -265.52 -557.91	774.99
26 56	13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,354.94 86.60 -152.17 -275.48 -579.82	734.20
26 56	13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,779.83 96.90 -167.94 -303.59 -639.48	774.99
26 56	13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,056.40 102.75 -177.78 -321.32 -676.88	815.77
26 56	13 00-0251		Hinged, Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56	13 00-0252		Hinged, Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0251)</small>		
26 56	13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,533.17 136.63 -206.64 -367.74 -781.03	489.46
26 56	13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,169.13 145.92 -227.19 -405.73 -860.11	652.62
26 56	13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	8,645.92 215.33 -323.81 -575.85 -1,223.47	734.20
26 56	13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	8,644.18 139.96 -211.08 -375.51 -797.68	489.46

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,814.73 165.28 -253.01 -450.93 -956.95	652.62
26 56	13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	9,607.01 244.16 -362.25 -643.12 -1,367.63	734.20
26 56	13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	11,029.45 284.38 -417.93 -741.06 -1,576.92	774.99
26 56	13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	12,971.86 340.21 -494.40 -875.40 -1,864.20	815.77
26 56	13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,357.89 131.37 -199.63 -355.47 -754.74	489.46
26 56	13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,888.69 137.50 -215.97 -386.10 -818.04	652.62
26 56	13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	8,152.22 200.51 -304.06 -541.29 -1,149.41	734.20
26 56	13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,559.46 137.42 -207.69 -369.58 -784.97	489.46
26 56	13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,551.82 157.40 -242.49 -432.52 -917.51	652.62
26 56	13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	9,241.85 233.20 -347.65 -617.56 -1,312.86	734.20
26 56	13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,869.11 146.71 -220.08 -391.26 -831.42	489.46
26 56	13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,109.78 174.14 -264.81 -471.58 -1,001.21	652.62
26 56	13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	9,899.13 252.92 -373.94 -663.57 -1,411.45	734.20
26 56	13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	11,385.84 295.08 -432.18 -766.01 -1,630.38	774.99
26 56	13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	13,161.74 345.91 -502.00 -888.69 -1,892.68	815.77
26 56	13 00-0272		Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56	13 00-0273		Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56	13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,184.07 96.15 -152.68 -273.31 -578.66	489.46



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,076.16 113.13 -183.47 -329.23 -696.16	652.62
26 56	13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,648.53 125.40 -203.92 -366.03 -773.86	734.20
26 56	13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,271.17 141.64 -227.60 -407.98 -863.18	774.99
26 56	13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,610.91 149.38 -239.96 -430.13 -910.06	815.77
26 56	13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,417.24 133.15 -202.01 -359.63 -763.64	489.46
26 56	13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,042.92 142.13 -222.14 -396.90 -841.18	652.62
26 56	13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,439.52 149.13 -235.55 -421.40 -892.51	734.20
26 56	13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,164.59 170.89 -264.56 -472.15 -1,001.27	734.20
26 56	13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,768.00 186.54 -287.47 -512.76 -1,087.70	774.99
26 56	13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	8,666.10 213.48 -323.39 -575.63 -1,222.42	774.99
26 56	13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,890.77 187.78 -291.16 -519.72 -1,102.04	815.77
26 56	13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	10,101.68 254.10 -379.59 -674.49 -1,433.68	815.77
26 56	13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	9,311.29 215.71 -340.64 -609.37 -1,290.64	1,060.51
26 56	13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	10,819.11 260.94 -400.95 -714.92 -1,516.82	1,060.51
26 56	13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	11,222.32 263.25 -412.18 -736.62 -1,560.98	1,223.66

26 56 13 00-0290	Factory Accessories For Steel Area Light Poles <small>(26 56 13 00-0178)</small>
26 56 13 00-0291	EA 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles 97.38
26 56 13 00-0292	EA Extra Handhole For Steel Area Light Poles 144.81
26 56 13 00-0293	EA Vibration Dampener For Steel Area Light Poles 147.31

26 56 13 00-0294	Aluminum Area Light Poles <small>(26 56 13 00-0177)</small>
Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.	



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0295	Round Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0296	Round Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297	EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	820.00	244.74
	<i>For Bronze Or Satin Anodized Finish, Add</i>	33.05	
	<i>For Black Anodized Finish, Add</i>	66.11	
	<i>For >10 To 20, Deduct</i>	-25.46	
	<i>For >20 To 40, Deduct</i>	-47.61	
	<i>For >40, Deduct</i>	-98.53	
26 56 13 00-0298	EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	918.55	285.52
	<i>For Bronze Or Satin Anodized Finish, Add</i>	34.75	
	<i>For Black Anodized Finish, Add</i>	69.50	
	<i>For >10 To 20, Deduct</i>	-28.18	
	<i>For >20 To 40, Deduct</i>	-52.88	
	<i>For >40, Deduct</i>	-109.23	
26 56 13 00-0299	EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,021.30	326.31
	<i>For Bronze Or Satin Anodized Finish, Add</i>	36.87	
	<i>For Black Anodized Finish, Add</i>	73.74	
	<i>For >10 To 20, Deduct</i>	-31.06	
	<i>For >20 To 40, Deduct</i>	-58.44	
	<i>For >40, Deduct</i>	-120.56	
26 56 13 00-0300	EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,124.92	367.09
	<i>For Bronze Or Satin Anodized Finish, Add</i>	39.07	
	<i>For Black Anodized Finish, Add</i>	78.14	
	<i>For >10 To 20, Deduct</i>	-33.98	
	<i>For >20 To 40, Deduct</i>	-64.06	
	<i>For >40, Deduct</i>	-132.03	
26 56 13 00-0301	EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,180.12	387.49
	<i>For Bronze Or Satin Anodized Finish, Add</i>	40.51	
	<i>For Black Anodized Finish, Add</i>	81.03	
	<i>For >10 To 20, Deduct</i>	-35.58	
	<i>For >20 To 40, Deduct</i>	-67.11	
	<i>For >40, Deduct</i>	-138.27	
26 56 13 00-0302	EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,234.46	407.89
	<i>For Bronze Or Satin Anodized Finish, Add</i>	41.87	
	<i>For Black Anodized Finish, Add</i>	83.74	
	<i>For >10 To 20, Deduct</i>	-37.14	
	<i>For >20 To 40, Deduct</i>	-70.10	
	<i>For >40, Deduct</i>	-144.38	
26 56 13 00-0303	EA 16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,285.31	407.89
	<i>For Bronze Or Satin Anodized Finish, Add</i>	46.95	
	<i>For Black Anodized Finish, Add</i>	93.91	
	<i>For >10 To 20, Deduct</i>	-39.18	
	<i>For >20 To 40, Deduct</i>	-73.66	
	<i>For >40, Deduct</i>	-152.01	
26 56 13 00-0304	EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,399.10	448.68
	<i>For Bronze Or Satin Anodized Finish, Add</i>	50.18	
	<i>For Black Anodized Finish, Add</i>	100.35	
	<i>For >10 To 20, Deduct</i>	-42.50	
	<i>For >20 To 40, Deduct</i>	-79.99	
	<i>For >40, Deduct</i>	-165.00	
26 56 13 00-0305	EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,507.80	489.46
	<i>For Bronze Or Satin Anodized Finish, Add</i>	52.89	
	<i>For Black Anodized Finish, Add</i>	105.77	
	<i>For >10 To 20, Deduct</i>	-45.63	
	<i>For >20 To 40, Deduct</i>	-85.97	
	<i>For >40, Deduct</i>	-177.22	
26 56 13 00-0306	EA 15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,367.43	387.49
	<i>For Bronze Or Satin Anodized Finish, Add</i>	59.24	
	<i>For Black Anodized Finish, Add</i>	118.49	
	<i>For >10 To 20, Deduct</i>	-43.07	
	<i>For >20 To 40, Deduct</i>	-80.22	
	<i>For >40, Deduct</i>	-166.37	
26 56 13 00-0307	EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,695.11	489.46
	<i>For Bronze Or Satin Anodized Finish, Add</i>	71.62	
	<i>For Black Anodized Finish, Add</i>	143.24	
	<i>For >10 To 20, Deduct</i>	-53.12	
	<i>For >20 To 40, Deduct</i>	-99.08	
	<i>For >40, Deduct</i>	-205.32	
26 56 13 00-0308	EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,790.04	489.46
	<i>For Bronze Or Satin Anodized Finish, Add</i>	81.11	
	<i>For Black Anodized Finish, Add</i>	162.22	
	<i>For >10 To 20, Deduct</i>	-56.92	
	<i>For >20 To 40, Deduct</i>	-105.72	
	<i>For >40, Deduct</i>	-219.56	
26 56 13 00-0309	EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,205.34	652.62
	<i>For Bronze Or Satin Anodized Finish, Add</i>	90.01	
	<i>For Black Anodized Finish, Add</i>	180.02	
	<i>For >10 To 20, Deduct</i>	-68.64	
	<i>For >20 To 40, Deduct</i>	-128.27	
	<i>For >40, Deduct</i>	-265.54	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,537.15 106.88 213.75 -79.46 -148.23 -307.15	734.20
26 56	13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,566.28 58.74 117.47 -47.97 -90.06 -186.00	489.46
26 56	13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,782.41 80.35 160.70 -56.61 -105.19 -218.42	489.46
26 56	13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,191.78 88.65 177.31 -68.09 -127.32 -263.51	652.62
26 56	13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,314.67 100.94 201.89 -73.01 -135.92 -281.94	652.62
26 56	13 00-0315	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,676.15 120.78 241.55 -85.02 -157.96 -328.00	734.20
26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0295)</small>					
26 56	13 00-0317	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	906.45 62.55 -28.92 -53.66 -111.49	244.74
26 56	13 00-0318	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,021.95 67.64 -32.31 -60.12 -124.74	285.52
26 56	13 00-0319	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,134.03 72.21 -35.57 -66.33 -137.47	326.31
26 56	13 00-0320	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,230.02 74.37 -38.19 -71.42 -147.79	367.09
26 56	13 00-0321	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,336.17 78.06 -41.21 -77.22 -159.64	407.89
26 56	13 00-0322	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,039.75 70.31 -33.02 -61.36 -127.41	285.52
26 56	13 00-0323	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,150.13 74.63 -36.22 -67.46 -139.89	326.31
26 56	13 00-0324	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,263.07 79.33 -39.51 -73.73 -152.75	367.09
26 56	13 00-0325	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,375.15 83.91 -42.77 -79.95 -165.48	407.89

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0326	EA 18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,491.48 89.12 -46.20 -86.46 -178.85	448.68
26 56 13 00-0327	EA 20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,602.73 93.57 -49.43 -92.61 -191.46	489.46
26 56 13 00-0328	EA 12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,183.19 79.59 -37.54 -69.77 -144.85	326.31
26 56 13 00-0329	EA 14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,302.06 85.18 -41.07 -76.46 -158.60	367.09
26 56 13 00-0330	EA 16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,420.07 90.65 -44.57 -83.09 -172.22	407.89
26 56 13 00-0331	EA 18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,539.79 96.37 -48.13 -89.84 -186.10	448.68
26 56 13 00-0332	EA 16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,467.54 97.77 -46.47 -86.41 -179.34	407.89
26 56 13 00-0333	EA 20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,713.76 110.22 -53.87 -100.38 -208.12	489.46
26 56 13 00-0334	EA 12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,214.55 84.29 -38.79 -71.97 -149.55	326.31
26 56 13 00-0335	EA 14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,342.74 91.28 -42.70 -79.31 -164.70	367.09
26 56 13 00-0336	EA 16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,462.45 97.00 -46.26 -86.06 -178.58	407.89
26 56 13 00-0337	EA 18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,587.26 103.49 -50.03 -93.16 -193.22	448.68
26 56 13 00-0338	EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,709.52 109.59 -53.70 -100.09 -207.48	489.46
26 56 13 00-0339	EA 16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,524.32 106.28 -48.74 -90.39 -187.86	407.89
26 56 13 00-0340	EA 18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,656.75 113.91 -52.81 -98.03 -203.65	448.68
26 56 13 00-0341	EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,735.79 113.53 -54.75 -101.93 -211.42	489.46

26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0295)
 Note: Includes rubberized undercoating on embedded portion.



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0343 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	719.79	203.94
For Bronze Or Satin Anodized Finish, Add	31.19	
For Black Anodized Finish, Add	62.38	
For >10 To 20, Deduct	-22.67	
For >20 To 40, Deduct	-42.23	
For >40, Deduct	-87.57	
26 56 13 00-0344 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	776.68	224.33
For Bronze Or Satin Anodized Finish, Add	32.80	
For Black Anodized Finish, Add	65.60	
For >10 To 20, Deduct	-24.34	
For >20 To 40, Deduct	-45.39	
For >40, Deduct	-94.07	
26 56 13 00-0345 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	855.60	244.74
For Bronze Or Satin Anodized Finish, Add	36.61	
For Black Anodized Finish, Add	73.23	
For >10 To 20, Deduct	-26.88	
For >20 To 40, Deduct	-50.10	
For >40, Deduct	-103.87	
26 56 13 00-0346 EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	875.10	244.74
For Bronze Or Satin Anodized Finish, Add	38.56	
For Black Anodized Finish, Add	77.13	
For >10 To 20, Deduct	-27.66	
For >20 To 40, Deduct	-51.47	
For >40, Deduct	-106.79	
26 56 13 00-0347 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	899.67	244.74
For Bronze Or Satin Anodized Finish, Add	41.02	
For Black Anodized Finish, Add	82.04	
For >10 To 20, Deduct	-28.64	
For >20 To 40, Deduct	-53.19	
For >40, Deduct	-110.48	
26 56 13 00-0348 EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,015.05	265.13
For Bronze Or Satin Anodized Finish, Add	48.48	
For Black Anodized Finish, Add	96.96	
For >10 To 20, Deduct	-32.65	
For >20 To 40, Deduct	-60.45	
For >40, Deduct	-125.75	
26 56 13 00-0349 EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,087.21	285.52
For Bronze Or Satin Anodized Finish, Add	51.62	
For Black Anodized Finish, Add	103.23	
For >10 To 20, Deduct	-34.92	
For >20 To 40, Deduct	-64.68	
For >40, Deduct	-134.53	
26 56 13 00-0350 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,218.58	285.52
For Bronze Or Satin Anodized Finish, Add	64.75	
For Black Anodized Finish, Add	129.51	
For >10 To 20, Deduct	-40.18	
For >20 To 40, Deduct	-73.88	
For >40, Deduct	-154.23	
26 56 13 00-0351 EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,468.81	326.31
For Bronze Or Satin Anodized Finish, Add	81.62	
For Black Anodized Finish, Add	163.24	
For >10 To 20, Deduct	-48.96	
For >20 To 40, Deduct	-89.76	
For >40, Deduct	-187.69	
26 56 13 00-0352 EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,663.96	367.09
For Bronze Or Satin Anodized Finish, Add	92.98	
For Black Anodized Finish, Add	185.95	
For >10 To 20, Deduct	-55.55	
For >20 To 40, Deduct	-101.79	
For >40, Deduct	-212.88	
26 56 13 00-0353 EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,819.06	367.09
For Bronze Or Satin Anodized Finish, Add	108.49	
For Black Anodized Finish, Add	216.97	
For >10 To 20, Deduct	-61.75	
For >20 To 40, Deduct	-112.65	
For >40, Deduct	-236.15	
26 56 13 00-0354 Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0356 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	729.32	244.74
For Bronze Or Satin Anodized Finish, Add	23.99	
For Black Anodized Finish, Add	47.97	
For >10 To 20, Deduct	-21.83	
For >20 To 40, Deduct	-41.26	
For >40, Deduct	-84.93	
26 56 13 00-0357 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	830.40	285.52
For Bronze Or Satin Anodized Finish, Add	25.94	
For Black Anodized Finish, Add	51.87	
For >10 To 20, Deduct	-24.65	
For >20 To 40, Deduct	-46.71	
For >40, Deduct	-96.01	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	931.46	326.31
			<i>For Bronze Or Satin Anodized Finish, Add</i>	27.88	
			<i>For Black Anodized Finish, Add</i>	55.77	
			<i>For >10 To 20, Deduct</i>	-27.47	
			<i>For >20 To 40, Deduct</i>	-52.15	
			<i>For >40, Deduct</i>	-107.09	
26 56	13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,040.17	367.09
			<i>For Bronze Or Satin Anodized Finish, Add</i>	30.60	
			<i>For Black Anodized Finish, Add</i>	61.19	
			<i>For >10 To 20, Deduct</i>	-30.59	
			<i>For >20 To 40, Deduct</i>	-58.13	
			<i>For >40, Deduct</i>	-119.32	
26 56	13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,148.01	407.89
			<i>For Bronze Or Satin Anodized Finish, Add</i>	33.22	
			<i>For Black Anodized Finish, Add</i>	66.45	
			<i>For >10 To 20, Deduct</i>	-33.68	
			<i>For >20 To 40, Deduct</i>	-64.05	
			<i>For >40, Deduct</i>	-131.41	
26 56	13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	852.44	285.52
			<i>For Bronze Or Satin Anodized Finish, Add</i>	28.14	
			<i>For Black Anodized Finish, Add</i>	56.28	
			<i>For >10 To 20, Deduct</i>	-25.53	
			<i>For >20 To 40, Deduct</i>	-48.25	
			<i>For >40, Deduct</i>	-99.31	
26 56	13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	966.21	326.31
			<i>For Bronze Or Satin Anodized Finish, Add</i>	31.36	
			<i>For Black Anodized Finish, Add</i>	62.72	
			<i>For >10 To 20, Deduct</i>	-28.86	
			<i>For >20 To 40, Deduct</i>	-54.58	
			<i>For >40, Deduct</i>	-112.30	
26 56	13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,077.46	367.09
			<i>For Bronze Or Satin Anodized Finish, Add</i>	34.33	
			<i>For Black Anodized Finish, Add</i>	68.65	
			<i>For >10 To 20, Deduct</i>	-32.09	
			<i>For >20 To 40, Deduct</i>	-60.74	
			<i>For >40, Deduct</i>	-124.91	
26 56	13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,294.00	448.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.67	
			<i>For Black Anodized Finish, Add</i>	79.33	
			<i>For >10 To 20, Deduct</i>	-38.30	
			<i>For >20 To 40, Deduct</i>	-72.63	
			<i>For >40, Deduct</i>	-149.23	
26 56	13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,396.77	489.46
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.78	
			<i>For Black Anodized Finish, Add</i>	83.57	
			<i>For >10 To 20, Deduct</i>	-41.19	
			<i>For >20 To 40, Deduct</i>	-78.20	
			<i>For >40, Deduct</i>	-160.57	
26 56	13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	997.57	326.31
			<i>For Bronze Or Satin Anodized Finish, Add</i>	34.50	
			<i>For Black Anodized Finish, Add</i>	68.99	
			<i>For >10 To 20, Deduct</i>	-30.11	
			<i>For >20 To 40, Deduct</i>	-56.78	
			<i>For >40, Deduct</i>	-117.00	
26 56	13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,113.90	367.09
			<i>For Bronze Or Satin Anodized Finish, Add</i>	37.97	
			<i>For Black Anodized Finish, Add</i>	75.94	
			<i>For >10 To 20, Deduct</i>	-33.54	
			<i>For >20 To 40, Deduct</i>	-63.29	
			<i>For >40, Deduct</i>	-130.38	
26 56	13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,236.15	407.89
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.04	
			<i>For Black Anodized Finish, Add</i>	84.08	
			<i>For >10 To 20, Deduct</i>	-37.21	
			<i>For >20 To 40, Deduct</i>	-70.22	
			<i>For >40, Deduct</i>	-144.63	
26 56	13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,343.16	448.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.58	
			<i>For Black Anodized Finish, Add</i>	89.16	
			<i>For >10 To 20, Deduct</i>	-40.27	
			<i>For >20 To 40, Deduct</i>	-76.07	
			<i>For >40, Deduct</i>	-156.61	
26 56	13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,462.03	489.46
			<i>For Bronze Or Satin Anodized Finish, Add</i>	48.31	
			<i>For Black Anodized Finish, Add</i>	96.62	
			<i>For >10 To 20, Deduct</i>	-43.80	
			<i>For >20 To 40, Deduct</i>	-82.76	
			<i>For >40, Deduct</i>	-170.36	
26 56	13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,319.21	407.89
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.34	
			<i>For Black Anodized Finish, Add</i>	100.69	
			<i>For >10 To 20, Deduct</i>	-40.53	
			<i>For >20 To 40, Deduct</i>	-76.03	
			<i>For >40, Deduct</i>	-157.09	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,449.11 55.18 110.35 -44.50 -83.49 -172.50	448.68
26 56	13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,544.25 56.53 113.06 -47.09 -88.52 -182.69	489.46
26 56	13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,782.83 64.08 128.15 -54.18 -101.96 -210.32	571.05
26 56	13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,026.51 72.13 144.25 -61.48 -115.75 -238.71	652.62
26 56	13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,532.17 63.48 126.96 -47.83 -89.30 -184.96	448.68
26 56	13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,645.10 66.62 133.23 -51.12 -95.58 -197.82	489.46
26 56	13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,862.50 72.04 144.08 -57.37 -107.53 -222.27	571.05
26 56	13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,087.53 78.23 156.46 -63.92 -120.02 -247.87	652.62
26 56	13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,237.76 85.09 170.19 -68.71 -128.91 -266.32	693.40
26 56	13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,389.68 92.13 184.26 -73.56 -137.91 -285.03	734.20
26 56	13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,941.32 79.92 159.85 -60.52 -113.05 -234.09	571.05
26 56	13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,140.08 83.48 166.97 -66.02 -123.70 -255.75	652.62
26 56	13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,294.55 90.77 181.55 -70.98 -132.88 -274.84	693.40
26 56	13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,477.82 100.94 201.89 -77.09 -144.08 -298.25	734.20

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,556.75	754.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	104.76	
			<i>For Black Anodized Finish, Add</i>	209.51	
			<i>For >10 To 20, Deduct</i>	-79.63	
			<i>For >20 To 40, Deduct</i>	-148.79	
			<i>For >40, Deduct</i>	-308.05	
26 56	13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,700.10	774.99
			<i>For Bronze Or Satin Anodized Finish, Add</i>	115.01	
			<i>For Black Anodized Finish, Add</i>	230.03	
			<i>For >10 To 20, Deduct</i>	-84.75	
			<i>For >20 To 40, Deduct</i>	-158.01	
			<i>For >40, Deduct</i>	-327.52	
26 56	13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,032.32	326.31
			<i>For Bronze Or Satin Anodized Finish, Add</i>	37.97	
			<i>For Black Anodized Finish, Add</i>	75.94	
			<i>For >10 To 20, Deduct</i>	-31.50	
			<i>For >20 To 40, Deduct</i>	-59.21	
			<i>For >40, Deduct</i>	-122.22	
26 56	13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,154.58	367.09
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.04	
			<i>For Black Anodized Finish, Add</i>	84.08	
			<i>For >10 To 20, Deduct</i>	-35.17	
			<i>For >20 To 40, Deduct</i>	-66.14	
			<i>For >40, Deduct</i>	-136.48	
26 56	13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,280.23	407.89
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.45	
			<i>For Black Anodized Finish, Add</i>	92.89	
			<i>For >10 To 20, Deduct</i>	-38.97	
			<i>For >20 To 40, Deduct</i>	-73.30	
			<i>For >40, Deduct</i>	-151.25	
26 56	13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,396.56	448.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.92	
			<i>For Black Anodized Finish, Add</i>	99.84	
			<i>For >10 To 20, Deduct</i>	-42.40	
			<i>For >20 To 40, Deduct</i>	-79.81	
			<i>For >40, Deduct</i>	-164.62	
26 56	13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,512.04	489.46
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.31	
			<i>For Black Anodized Finish, Add</i>	106.62	
			<i>For >10 To 20, Deduct</i>	-45.80	
			<i>For >20 To 40, Deduct</i>	-86.26	
			<i>For >40, Deduct</i>	-177.86	
26 56	13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,372.61	407.89
			<i>For Bronze Or Satin Anodized Finish, Add</i>	55.68	
			<i>For Black Anodized Finish, Add</i>	111.37	
			<i>For >10 To 20, Deduct</i>	-42.67	
			<i>For >20 To 40, Deduct</i>	-79.77	
			<i>For >40, Deduct</i>	-165.10	
26 56	13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,505.04	448.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.77	
			<i>For Black Anodized Finish, Add</i>	121.54	
			<i>For >10 To 20, Deduct</i>	-46.74	
			<i>For >20 To 40, Deduct</i>	-87.41	
			<i>For >40, Deduct</i>	-180.89	
26 56	13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,611.20	489.46
			<i>For Bronze Or Satin Anodized Finish, Add</i>	63.23	
			<i>For Black Anodized Finish, Add</i>	126.45	
			<i>For >10 To 20, Deduct</i>	-49.76	
			<i>For >20 To 40, Deduct</i>	-93.21	
			<i>For >40, Deduct</i>	-192.73	
26 56	13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,845.55	571.05
			<i>For Bronze Or Satin Anodized Finish, Add</i>	70.35	
			<i>For Black Anodized Finish, Add</i>	140.69	
			<i>For >10 To 20, Deduct</i>	-56.69	
			<i>For >20 To 40, Deduct</i>	-106.35	
			<i>For >40, Deduct</i>	-219.73	
26 56	13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,084.99	652.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	77.98	
			<i>For Black Anodized Finish, Add</i>	155.95	
			<i>For >10 To 20, Deduct</i>	-63.82	
			<i>For >20 To 40, Deduct</i>	-119.84	
			<i>For >40, Deduct</i>	-247.49	
26 56	13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,037.09	571.05
			<i>For Bronze Or Satin Anodized Finish, Add</i>	89.50	
			<i>For Black Anodized Finish, Add</i>	179.00	
			<i>For >10 To 20, Deduct</i>	-64.35	
			<i>For >20 To 40, Deduct</i>	-119.75	
			<i>For >40, Deduct</i>	-248.46	
26 56	13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,267.21	652.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	96.20	
			<i>For Black Anodized Finish, Add</i>	192.39	
			<i>For >10 To 20, Deduct</i>	-71.11	
			<i>For >20 To 40, Deduct</i>	-132.60	
			<i>For >40, Deduct</i>	-274.82	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0400 EA 28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,431.85 104.50 209.01 -76.47 -142.49 -295.44	693.40
26 56 13 00-0401 EA 30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,582.07 111.37 222.74 -81.26 -151.38 -313.89	734.20
26 56 13 00-0402 EA 33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,705.07 119.59 239.18 -85.57 -159.17 -330.30	754.59
26 56 13 00-0403 EA 35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,814.51 126.45 252.91 -89.33 -166.02 -344.68	774.99
26 56 13 00-0404 EA 37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,910.40 131.96 263.93 -92.55 -171.91 -357.02	795.38
26 56 13 00-0405 EA 39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,069.83 143.83 287.66 -98.32 -182.26 -378.90	815.77
26 56 13 00-0406 EA 28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,797.99 141.12 282.23 -91.12 -168.12 -350.36	693.40
26 56 13 00-0407 EA 30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,005.85 153.75 307.49 -98.21 -181.04 -377.46	734.20
26 56 13 00-0408 EA 33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,145.80 163.66 327.32 -103.19 -190.02 -396.41	754.59
26 56 13 00-0409 EA 35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,256.09 170.61 341.22 -106.99 -196.93 -410.92	774.99
26 56 13 00-0410 EA 37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,324.85 173.41 346.82 -109.13 -200.92 -419.19	795.38
26 56 13 00-0411 EA 39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,498.69 186.72 373.43 -115.47 -212.28 -443.23	815.77
26 56 13 00-0412 EA 28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,681.88 129.51 259.01 -86.47 -160.00 -332.94	693.40
26 56 13 00-0413 EA 30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,874.48 140.61 281.22 -92.95 -171.85 -357.75	734.20

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,953.41 144.42 288.85 -95.50 -176.56 -367.55	754.59
26 56	13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,129.80 157.98 315.97 -101.94 -188.09 -391.97	774.99
26 56	13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,224.84 163.41 326.82 -105.13 -193.92 -404.19	795.38
26 56	13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,399.53 176.80 353.60 -111.51 -205.34 -428.35	815.77
26 56	13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,212.44 182.56 365.12 -107.70 -197.13 -412.53	693.40
26 56	13 00-0419	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,397.41 192.90 385.80 -113.87 -208.45 -436.19	734.20
26 56	13 00-0420	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,539.06 202.99 405.98 -118.92 -217.55 -455.40	754.59
26 56	13 00-0421	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,749.36 219.94 439.88 -126.72 -231.46 -484.91	774.99
26 56	13 00-0422	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,808.80 221.80 443.61 -128.49 -234.80 -491.78	795.38
26 56	13 00-0423	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,018.24 238.67 477.34 -136.26 -248.65 -521.16	815.77
26 56	13 00-0424	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,226.44 277.91 555.82 -172.35 -316.90 -661.60	1,223.66
26 56	13 00-0425	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,331.53 288.42 576.84 -176.55 -324.26 -677.36	1,223.66
26 56 13 00-0426 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0354)					
26 56	13 00-0427	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	911.54 63.31 -29.12 -54.02 -112.26	244.74
26 56	13 00-0428	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,010.93 65.98 -31.87 -59.34 -123.09	285.52



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0429	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,111.14 68.78 -34.66 -64.73 -134.04	326.31
26 56	13 00-0430	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,213.07 71.83 -37.51 -70.23 -145.25	367.09
26 56	13 00-0431	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,314.13 74.75 -40.33 -75.67 -156.33	407.89
26 56	13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,021.10 67.51 -32.28 -60.06 -124.61	285.52
26 56	13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,123.01 70.56 -35.13 -65.56 -135.82	326.31
26 56	13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,226.63 73.86 -38.05 -71.18 -147.28	367.09
26 56	13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,329.39 77.04 -40.94 -76.74 -158.62	407.89
26 56	13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,443.17 81.87 -44.27 -83.07 -171.61	448.68
26 56	13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,549.33 85.56 -47.29 -88.87 -183.45	489.46
26 56	13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,156.06 75.52 -36.45 -67.87 -140.78	326.31
26 56	13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,263.92 79.46 -39.54 -73.79 -152.88	367.09
26 56	13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,381.93 84.92 -43.04 -80.42 -166.50	407.89
26 56	13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,491.48 89.12 -46.20 -86.46 -178.85	448.68
26 56	13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,612.05 94.97 -49.80 -93.26 -192.86	489.46
26 56	13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,430.24 92.17 -44.97 -83.80 -173.75	407.89
26 56	13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,556.74 98.91 -48.81 -91.02 -188.64	448.68
26 56	13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,664.60 102.85 -51.90 -96.94 -200.74	489.46

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,182.34 79.46 -37.50 -69.71 -144.72	326.31
26 56	13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,303.75 85.43 -41.14 -76.58 -158.85	367.09
26 56	13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,430.24 92.17 -44.97 -83.80 -173.75	407.89
26 56	13 00-0449	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,546.57 97.38 -48.40 -90.31 -187.12	448.68
26 56	13 00-0450	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,668.84 103.49 -52.07 -97.24 -201.38	489.46
26 56	13 00-0451	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,485.33 100.43 -47.18 -87.66 -182.01	407.89
26 56	13 00-0452	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,618.62 108.19 -51.28 -95.36 -197.93	448.68
26 56	13 00-0453	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,730.71 112.77 -54.54 -101.57 -210.66	489.46
26 56	13 00-0454		Round Tapered, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0354)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56	13 00-0455	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	658.76 25.09 50.17 -20.23 -37.96 -78.42	203.94
26 56	13 00-0456	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	682.50 27.46 54.92 -21.18 -39.62 -81.98	203.94
26 56	13 00-0457	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	742.78 29.41 58.82 -22.98 -43.02 -88.98	224.33
26 56	13 00-0458	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	797.12 30.77 61.53 -24.54 -46.01 -95.10	244.74
26 56	13 00-0459	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	827.63 33.82 67.63 -25.76 -48.14 -99.67	244.74
26 56	13 00-0460	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	765.66 31.70 63.40 -23.90 -44.62 -92.42	224.33
26 56	13 00-0461	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	830.18 34.07 68.14 -25.87 -48.32 -100.05	244.74



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0462 EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	847.13 35.77 71.53 -26.54 -49.51 -102.60	244.74
26 56 13 00-0463 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	915.04 38.48 76.96 -28.65 -53.45 -110.74	265.13
26 56 13 00-0464 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	979.57 40.85 81.70 -30.62 -57.15 -118.38	285.52
26 56 13 00-0465 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	896.28 40.68 81.36 -28.51 -52.95 -109.97	244.74
26 56 13 00-0466 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	969.28 43.90 87.81 -30.82 -57.24 -118.88	265.13
26 56 13 00-0467 EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,038.05 46.70 93.40 -32.96 -61.24 -127.16	285.52
26 56 13 00-0468 EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,038.78 50.85 101.71 -33.60 -62.11 -129.30	265.13
26 56 13 00-0469 EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,319.64 66.70 133.40 -43.00 -79.32 -165.32	326.31
26 56 13 00-0470 EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,415.42 76.28 152.56 -46.83 -86.03 -179.68	326.31
26 56 13 00-0471 EA 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,579.21 84.50 169.00 -52.16 -95.86 -200.17	367.09
26 56 13 00-0472 EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,683.46 94.93 189.85 -56.33 -103.16 -215.81	367.09
26 56 13 00-0473 Square Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0473)</small>		
26 56 13 00-0475 EA 8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	839.50 35.00 70.01 -26.24 -48.98 -101.45	244.74
26 56 13 00-0476 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	938.89 36.78 73.57 -28.99 -54.30 -112.28	285.52

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,045.04	326.31
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.24	
			<i>For Black Anodized Finish, Add</i>	78.48	
			<i>For >10 To 20, Deduct</i>	-32.01	
			<i>For >20 To 40, Deduct</i>	-60.10	
			<i>For >40, Deduct</i>	-124.13	
26 56	13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,150.35	367.09
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.62	
			<i>For Black Anodized Finish, Add</i>	83.23	
			<i>For >10 To 20, Deduct</i>	-35.00	
			<i>For >20 To 40, Deduct</i>	-65.84	
			<i>For >40, Deduct</i>	-135.84	
26 56	13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,206.39	387.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.14	
			<i>For Black Anodized Finish, Add</i>	86.28	
			<i>For >10 To 20, Deduct</i>	-36.63	
			<i>For >20 To 40, Deduct</i>	-68.95	
			<i>For >40, Deduct</i>	-142.21	
26 56	13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,262.43	407.89
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.67	
			<i>For Black Anodized Finish, Add</i>	89.33	
			<i>For >10 To 20, Deduct</i>	-38.26	
			<i>For >20 To 40, Deduct</i>	-72.05	
			<i>For >40, Deduct</i>	-148.58	
26 56	13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,372.83	448.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	47.55	
			<i>For Black Anodized Finish, Add</i>	95.10	
			<i>For >10 To 20, Deduct</i>	-41.45	
			<i>For >20 To 40, Deduct</i>	-78.15	
			<i>For >40, Deduct</i>	-161.06	
26 56	13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,490.85	489.46
			<i>For Bronze Or Satin Anodized Finish, Add</i>	51.19	
			<i>For Black Anodized Finish, Add</i>	102.38	
			<i>For >10 To 20, Deduct</i>	-44.95	
			<i>For >20 To 40, Deduct</i>	-84.78	
			<i>For >40, Deduct</i>	-174.68	
26 56	13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,320.91	407.89
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.51	
			<i>For Black Anodized Finish, Add</i>	101.03	
			<i>For >10 To 20, Deduct</i>	-40.60	
			<i>For >20 To 40, Deduct</i>	-76.15	
			<i>For >40, Deduct</i>	-157.35	
26 56	13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,433.00	448.68
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.57	
			<i>For Black Anodized Finish, Add</i>	107.13	
			<i>For >10 To 20, Deduct</i>	-43.86	
			<i>For >20 To 40, Deduct</i>	-82.36	
			<i>For >40, Deduct</i>	-170.08	
26 56	13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,556.11	489.46
			<i>For Bronze Or Satin Anodized Finish, Add</i>	57.72	
			<i>For Black Anodized Finish, Add</i>	115.44	
			<i>For >10 To 20, Deduct</i>	-47.56	
			<i>For >20 To 40, Deduct</i>	-89.35	
			<i>For >40, Deduct</i>	-184.47	
26 56	13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,460.66	387.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	68.57	
			<i>For Black Anodized Finish, Add</i>	137.13	
			<i>For >10 To 20, Deduct</i>	-46.80	
			<i>For >20 To 40, Deduct</i>	-86.75	
			<i>For >40, Deduct</i>	-180.35	
26 56	13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,799.36	489.46
			<i>For Bronze Or Satin Anodized Finish, Add</i>	82.04	
			<i>For Black Anodized Finish, Add</i>	164.09	
			<i>For >10 To 20, Deduct</i>	-57.29	
			<i>For >20 To 40, Deduct</i>	-106.38	
			<i>For >40, Deduct</i>	-220.96	
26 56	13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,231.61	652.62
			<i>For Bronze Or Satin Anodized Finish, Add</i>	92.64	
			<i>For Black Anodized Finish, Add</i>	185.27	
			<i>For >10 To 20, Deduct</i>	-69.69	
			<i>For >20 To 40, Deduct</i>	-130.11	
			<i>For >40, Deduct</i>	-269.48	
26 56	13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,608.66	489.46
			<i>For Bronze Or Satin Anodized Finish, Add</i>	62.97	
			<i>For Black Anodized Finish, Add</i>	125.95	
			<i>For >10 To 20, Deduct</i>	-49.66	
			<i>For >20 To 40, Deduct</i>	-93.03	
			<i>For >40, Deduct</i>	-192.35	
26 56	13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,901.91	489.46
			<i>For Bronze Or Satin Anodized Finish, Add</i>	92.30	
			<i>For Black Anodized Finish, Add</i>	184.60	
			<i>For >10 To 20, Deduct</i>	-61.39	
			<i>For >20 To 40, Deduct</i>	-113.56	
			<i>For >40, Deduct</i>	-236.34	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0491 EA 25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,324.84	652.62
For Bronze Or Satin Anodized Finish, Add	101.96	
For Black Anodized Finish, Add	203.92	
For >10 To 20, Deduct	-73.42	
For >20 To 40, Deduct	-136.63	
For >40, Deduct	-283.46	
26 56 13 00-0492 EA 20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,062.95	489.46
For Bronze Or Satin Anodized Finish, Add	108.40	
For Black Anodized Finish, Add	216.80	
For >10 To 20, Deduct	-67.83	
For >20 To 40, Deduct	-124.83	
For >40, Deduct	-260.50	
26 56 13 00-0493 EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,535.04	652.62
For Bronze Or Satin Anodized Finish, Add	122.98	
For Black Anodized Finish, Add	245.96	
For >10 To 20, Deduct	-81.82	
For >20 To 40, Deduct	-151.35	
For >40, Deduct	-314.99	
26 56 13 00-0494 EA 30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,916.85	734.20
For Bronze Or Satin Anodized Finish, Add	144.85	
For Black Anodized Finish, Add	289.69	
For >10 To 20, Deduct	-94.65	
For >20 To 40, Deduct	-174.81	
For >40, Deduct	-364.11	
26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0473)</small>		
Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0496 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	741.82	203.94
For Bronze Or Satin Anodized Finish, Add	33.39	
For Black Anodized Finish, Add	66.79	
For >10 To 20, Deduct	-23.55	
For >20 To 40, Deduct	-43.77	
For >40, Deduct	-90.88	
26 56 13 00-0497 EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	825.84	224.33
For Bronze Or Satin Anodized Finish, Add	37.72	
For Black Anodized Finish, Add	75.43	
For >10 To 20, Deduct	-26.30	
For >20 To 40, Deduct	-48.84	
For >40, Deduct	-101.44	
26 56 13 00-0498 EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	884.42	244.74
For Bronze Or Satin Anodized Finish, Add	39.50	
For Black Anodized Finish, Add	78.99	
For >10 To 20, Deduct	-28.03	
For >20 To 40, Deduct	-52.12	
For >40, Deduct	-108.19	
26 56 13 00-0499 EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	905.61	244.74
For Bronze Or Satin Anodized Finish, Add	41.62	
For Black Anodized Finish, Add	83.23	
For >10 To 20, Deduct	-28.88	
For >20 To 40, Deduct	-53.60	
For >40, Deduct	-111.37	
26 56 13 00-0500 EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	931.88	244.74
For Bronze Or Satin Anodized Finish, Add	44.24	
For Black Anodized Finish, Add	88.48	
For >10 To 20, Deduct	-29.93	
For >20 To 40, Deduct	-55.44	
For >40, Deduct	-115.31	
26 56 13 00-0501 EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,062.51	265.13
For Bronze Or Satin Anodized Finish, Add	53.23	
For Black Anodized Finish, Add	106.45	
For >10 To 20, Deduct	-34.55	
For >20 To 40, Deduct	-63.77	
For >40, Deduct	-132.86	
26 56 13 00-0502 EA 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,139.76	285.52
For Bronze Or Satin Anodized Finish, Add	56.87	
For Black Anodized Finish, Add	113.74	
For >10 To 20, Deduct	-37.02	
For >20 To 40, Deduct	-68.36	
For >40, Deduct	-142.41	
26 56 13 00-0503 EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,272.82	285.52
For Bronze Or Satin Anodized Finish, Add	70.18	
For Black Anodized Finish, Add	140.35	
For >10 To 20, Deduct	-42.35	
For >20 To 40, Deduct	-77.68	
For >40, Deduct	-162.37	
26 56 13 00-0504 EA 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,461.18	326.31
For Bronze Or Satin Anodized Finish, Add	80.86	
For Black Anodized Finish, Add	161.71	
For >10 To 20, Deduct	-48.66	
For >20 To 40, Deduct	-89.23	
For >40, Deduct	-186.55	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,758.67 110.61 221.21 -60.56 -110.05 -231.17	326.31
26 56	13 00-0506		Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0294)		
26 56	13 00-0507	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles.....	97.38	
26 56	13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles.....	31.59	
26 56	13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles.....	147.31	
26 56	13 00-0510		Fiberglass Area Light Poles (26 56 13 00-0177) Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56	13 00-0511		Round Tapered, Fiberglass Area Light Poles (26 56 13 00-0510)		
26 56	13 00-0512		Round Tapered, Fiberglass Area Light Poles, Anchor Base (26 56 13 00-0511)		
26 56	13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,497.46 -51.33 -93.40 -196.07	285.52
26 56	13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,634.18 -55.58 -101.34 -212.50	326.31
26 56	13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,772.47 -59.89 -109.39 -229.16	367.09
26 56	13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,909.19 -64.13 -117.33 -245.59	407.89
26 56	13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,074.27 -69.51 -127.25 -266.27	448.68
26 56	13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,214.15 -73.88 -135.41 -283.18	489.46
26 56	13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,434.01 -80.23 -147.54 -308.00	571.05
26 56	13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,652.32 -86.51 -159.56 -332.59	652.62
26 56	13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,779.94 -91.62 -168.49 -351.73	652.62
26 56	13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,973.38 -98.13 -180.40 -376.67	693.40
26 56	13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,166.81 -104.65 -192.31 -401.60	734.20
26 56	13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,642.41 -57.13 -103.55 -217.81	285.52
26 56	13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,750.76 -60.24 -109.50 -229.98	326.31
26 56	13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,860.70 -63.42 -115.57 -242.40	367.09
26 56	13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,973.78 -66.71 -121.85 -255.28	407.89
26 56	13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,094.75 -70.33 -128.69 -269.35	448.68



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,214.15 -73.88 -135.41 -283.18	489.46
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,415.11 -79.47 -146.22 -305.16	571.05
26 56 13 00-0531	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,652.32 -86.51 -159.56 -332.59	652.62
26 56 13 00-0532	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,705.89 -88.66 -163.31 -340.62	652.62
26 56 13 00-0533	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,842.61 -92.90 -171.25 -357.05	693.40
26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,979.32 -97.15 -179.18 -373.48	734.20
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,855.11 -65.64 -118.44 -249.71	285.52
26 56 13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,985.52 -69.63 -125.93 -265.20	326.31
26 56 13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,115.94 -73.62 -133.43 -280.68	367.09
26 56 13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,247.93 -77.68 -141.04 -296.40	407.89
26 56 13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,386.23 -81.99 -149.09 -313.07	448.68
26 56 13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,533.98 -86.68 -157.80 -331.15	489.46
26 56 13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,777.48 -93.97 -171.58 -359.52	571.05
26 56 13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,022.57 -101.32 -185.48 -388.12	652.62
26 56 13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,104.50 -104.60 -191.21 -400.41	652.62
26 56 13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,315.27 -111.81 -204.33 -427.95	693.40
26 56 13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,489.79 -117.57 -214.92 -450.05	734.20
26 56 13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,623.54 -122.30 -223.46 -468.07	754.59
26 56 13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,757.29 -127.04 -232.01 -486.10	774.99
26 56 13 00-0548		Round Tapered, Fiberglass Area Light Poles, Direct Burial <small>(26 56 13 00-0511)</small>		
26 56 13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	937.27 -31.37 -57.45 -120.20	203.94

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,007.99	224.33
			<i>For >10 To 20, Deduct</i>	-33.59	
			<i>For >20 To 40, Deduct</i>	-61.59	
			<i>For >40, Deduct</i>	-128.76	
26 56	13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,077.13	244.74
			<i>For >10 To 20, Deduct</i>	-35.74	
			<i>For >20 To 40, Deduct</i>	-65.61	
			<i>For >40, Deduct</i>	-137.10	
26 56	13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,103.92	244.74
			<i>For >10 To 20, Deduct</i>	-36.81	
			<i>For >20 To 40, Deduct</i>	-67.49	
			<i>For >40, Deduct</i>	-141.12	
26 56	13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,188.82	265.13
			<i>For >10 To 20, Deduct</i>	-39.60	
			<i>For >20 To 40, Deduct</i>	-72.61	
			<i>For >40, Deduct</i>	-151.81	
26 56	13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,261.13	285.52
			<i>For >10 To 20, Deduct</i>	-41.88	
			<i>For >20 To 40, Deduct</i>	-76.86	
			<i>For >40, Deduct</i>	-160.62	
26 56	13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,338.15	305.92
			<i>For >10 To 20, Deduct</i>	-44.35	
			<i>For >20 To 40, Deduct</i>	-81.43	
			<i>For >40, Deduct</i>	-170.13	
26 56	13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,423.05	326.31
			<i>For >10 To 20, Deduct</i>	-47.13	
			<i>For >20 To 40, Deduct</i>	-86.56	
			<i>For >40, Deduct</i>	-180.83	
26 56	13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,574.31	326.31
			<i>For >10 To 20, Deduct</i>	-53.18	
			<i>For >20 To 40, Deduct</i>	-97.15	
			<i>For >40, Deduct</i>	-203.52	
26 56	13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,766.34	346.70
			<i>For >10 To 20, Deduct</i>	-60.25	
			<i>For >20 To 40, Deduct</i>	-109.78	
			<i>For >40, Deduct</i>	-230.28	
26 56	13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,958.39	367.09
			<i>For >10 To 20, Deduct</i>	-67.32	
			<i>For >20 To 40, Deduct</i>	-122.40	
			<i>For >40, Deduct</i>	-257.05	
26 56	13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,082.22	203.94
			<i>For >10 To 20, Deduct</i>	-37.17	
			<i>For >20 To 40, Deduct</i>	-67.60	
			<i>For >40, Deduct</i>	-141.94	
26 56	13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,160.82	224.33
			<i>For >10 To 20, Deduct</i>	-39.70	
			<i>For >20 To 40, Deduct</i>	-72.28	
			<i>For >40, Deduct</i>	-151.69	
26 56	13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,239.41	244.74
			<i>For >10 To 20, Deduct</i>	-42.23	
			<i>For >20 To 40, Deduct</i>	-76.97	
			<i>For >40, Deduct</i>	-161.44	
26 56	13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,278.80	244.74
			<i>For >10 To 20, Deduct</i>	-43.81	
			<i>For >20 To 40, Deduct</i>	-79.73	
			<i>For >40, Deduct</i>	-167.35	
26 56	13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,357.40	265.13
			<i>For >10 To 20, Deduct</i>	-46.34	
			<i>For >20 To 40, Deduct</i>	-84.41	
			<i>For >40, Deduct</i>	-177.10	
26 56	13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,436.02	285.52
			<i>For >10 To 20, Deduct</i>	-48.88	
			<i>For >20 To 40, Deduct</i>	-89.10	
			<i>For >40, Deduct</i>	-186.85	
26 56	13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,514.61	305.92
			<i>For >10 To 20, Deduct</i>	-51.41	
			<i>For >20 To 40, Deduct</i>	-93.79	
			<i>For >40, Deduct</i>	-196.60	
26 56	13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,629.45	326.31
			<i>For >10 To 20, Deduct</i>	-55.39	
			<i>For >20 To 40, Deduct</i>	-101.01	
			<i>For >40, Deduct</i>	-211.79	
26 56	13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,775.97	326.31
			<i>For >10 To 20, Deduct</i>	-61.25	
			<i>For >20 To 40, Deduct</i>	-111.27	
			<i>For >40, Deduct</i>	-233.76	
26 56	13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,964.85	346.70
			<i>For >10 To 20, Deduct</i>	-68.19	
			<i>For >20 To 40, Deduct</i>	-123.67	
			<i>For >40, Deduct</i>	-260.06	
26 56	13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	2,152.18	367.09
			<i>For >10 To 20, Deduct</i>	-75.07	
			<i>For >20 To 40, Deduct</i>	-135.97	
			<i>For >40, Deduct</i>	-286.12	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,209.83 -42.27 -76.53 -161.08	203.94
26 56	13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,278.98 -44.43 -80.56 -169.41	224.33
26 56	13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,346.55 -46.52 -84.47 -177.51	244.74
26 56	13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,373.33 -47.59 -86.34 -181.53	244.74
26 56	13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,440.91 -49.68 -90.26 -189.62	265.13
26 56	13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,510.07 -51.84 -94.28 -197.96	285.52
26 56	13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,632.77 -56.13 -102.06 -214.32	305.92
26 56	13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,774.40 -61.19 -111.16 -233.53	326.31
26 56	13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,865.78 -64.84 -117.55 -247.24	326.31
26 56	13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,999.51 -69.58 -126.10 -265.26	346.70
26 56	13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,133.27 -74.32 -134.64 -283.28	367.09
26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)					
	26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles.....	55.86	
	26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	55.86	
	26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles.....	105.99	
	26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles.....	140.37	
26 56 13 00-0587 Concrete Area Light Poles (26 56 13 00-0177)					
26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)					
	26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,862.98	693.40
	26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,018.36	734.20
	26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,131.24	754.59
	26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,899.47	774.99
	26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,333.45	815.77
	26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	5,361.73	1,060.51
	26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	6,422.03	1,305.24
	26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base..... Note: Polished brown with acrylic coating finish.	6,246.85	693.40
	26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base..... Note: Polished brown with acrylic coating finish.	7,212.08	734.20
	26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'.....	749.05	244.74
	26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	3,744.79	489.30
	26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles.....	291.07	99.85
	26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	595.77	199.70
26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)					
Note: Round or square.					
	26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,091.06	326.31
	26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,491.36	407.89
	26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,853.81	489.46
	26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,367.83	734.20
	26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	6,192.59	774.99
	26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	7,084.51	815.77
	26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	8,208.35	1,060.51

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0610 Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)		
26 56 13 00-0611 EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	18,539.73	1,835.48
26 56 13 00-0612 EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	22,009.03	2,212.84
26 56 13 00-0613 EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	26,152.09	2,989.28
26 56 13 00-0614 Treated Wood Area Light Poles (26 56 13 00-0177) See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615 Cast Iron Decorative Light Posts (26 56 13 00-0177)		
26 56 13 00-0616 Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0615) Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617 EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,733.20	203.94
26 56 13 00-0618 EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,830.39	234.94
26 56 13 00-0619 EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,983.56	244.74
26 56 13 00-0620 EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,435.15	285.52
26 56 13 00-0621 EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,841.09	309.99
26 56 13 00-0622 EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	3,266.52	334.46
26 56 13 00-0623 Landscape Light Poles (26 56 13 00-0001) Note: Excludes lighting fixtures.		
26 56 13 00-0624 Aluminum Landscape Light Poles (26 56 13 00-0623) Note: Includes painted finish.		
26 56 13 00-0625 Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0624)		
26 56 13 00-0626 Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0625)		
26 56 13 00-0627 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	564.88	244.74
26 56 13 00-0628 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	891.32	326.31
26 56 13 00-0629 Round Straight, Aluminum Landscape Light Poles, Direct Burial (26 56 13 00-0625)		
26 56 13 00-0630 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	529.39	244.74
26 56 13 00-0631 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	855.83	326.31
26 56 13 00-0632 Steel Landscape Light Poles (26 56 13 00-0623) Note: Includes painted finish.		
26 56 13 00-0633 Round Straight, Steel Landscape Light Poles (26 56 13 00-0632)		
26 56 13 00-0634 Round Straight, Steel Landscape Light Poles, Anchor Base (26 56 13 00-0633)		
26 56 13 00-0635 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	655.70	244.74
26 56 13 00-0636 Round Straight, Steel Landscape Light Poles, Direct Burial (26 56 13 00-0633)		
26 56 13 00-0637 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	618.46	244.74
26 56 13 00-0638 Light Pole Brackets And Arms (26 56 13 00-0001)		
26 56 13 00-0639 Light Pole Brackets (26 56 13 00-0638)		
26 56 13 00-0640 Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0639)		
26 56 13 00-0641 Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)		
26 56 13 00-0642 Steel, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641) Note: Includes powdercoat finish.		
26 56 13 00-0643 EA Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	764.57	48.95
For Galvanized Finish, Add	66.67	
26 56 13 00-0644 EA Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	965.71	48.95
For Galvanized Finish, Add	86.78	
26 56 13 00-0645 EA Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,027.11	48.95
For Galvanized Finish, Add	92.92	
26 56 13 00-0646 EA Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,406.11	48.95
For Galvanized Finish, Add	130.82	
26 56 13 00-0647 EA Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,465.13	48.95
For Galvanized Finish, Add	136.72	
26 56 13 00-0648 Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641) Note: Includes satin brushed or painted finish.		
26 56 13 00-0649 EA Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	236.04	48.95
For Bronze Or Satin Anodized Finish, Add	13.82	
For Black Anodized Finish, Add	27.63	
26 56 13 00-0650 EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	280.11	48.95
For Bronze Or Satin Anodized Finish, Add	18.22	
For Black Anodized Finish, Add	36.44	
26 56 13 00-0651 EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	291.98	48.95
For Bronze Or Satin Anodized Finish, Add	19.41	
For Black Anodized Finish, Add	38.82	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0652 EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	333.51	48.95
For Bronze Or Satin Anodized Finish, Add	23.56	
For Black Anodized Finish, Add	47.12	
26 56 13 00-0653 EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	341.98	48.95
For Bronze Or Satin Anodized Finish, Add	24.41	
For Black Anodized Finish, Add	48.82	
26 56 13 00-0654 Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)		
26 56 13 00-0655 Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0654)		
Note: Includes powdercoat finish.		
26 56 13 00-0656 EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	822.00	48.95
For Galvanized Finish, Add	72.41	
26 56 13 00-0657 EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,014.67	48.95
For Galvanized Finish, Add	91.68	
26 56 13 00-0658 EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,240.96	48.95
For Galvanized Finish, Add	114.31	
26 56 13 00-0659 EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,468.30	48.95
For Galvanized Finish, Add	137.04	
26 56 13 00-0660 Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0639)		
26 56 13 00-0661 Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0660)		
Note: Includes powdercoat finish.		
26 56 13 00-0662 EA One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	779.81	81.57
26 56 13 00-0663 EA Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,174.15	81.57
26 56 13 00-0664 EA Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,640.75	81.57
26 56 13 00-0665 EA Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,794.25	81.57
26 56 13 00-0666 Light Pole Arms (26 56 13 00-0638)		
26 56 13 00-0667 Wood Pole Streetlight Arms (26 56 13 00-0666)		
26 56 13 00-0668 Steel, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0669 EA 1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	454.38	73.42
26 56 13 00-0670 EA 1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	481.01	81.57
26 56 13 00-0671 EA 1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	558.06	101.98
26 56 13 00-0672 EA 2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	669.98	81.57
26 56 13 00-0673 EA 2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	746.49	101.98
26 56 13 00-0674 EA 2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	906.13	122.37
26 56 13 00-0675 Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0676 EA 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	258.05	81.57
26 56 13 00-0677 EA 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	306.73	81.57
26 56 13 00-0678 EA 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	405.35	101.98
26 56 13 00-0679 EA 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	524.14	122.37
26 56 13 00-0680 Area Light Arms (26 56 13 00-0666)		
26 56 13 00-0681 Steel Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0682 EA Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	866.25	81.57
26 56 13 00-0683 EA Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,357.71	89.74
26 56 13 00-0684 EA Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,508.61	97.89
26 56 13 00-0685 EA Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,791.33	106.05
26 56 13 00-0686 EA Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	1,033.38	101.98
26 56 13 00-0687 EA Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,475.40	110.13
26 56 13 00-0688 Aluminum Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0689 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	301.30	81.57
26 56 13 00-0690 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	372.60	101.98
26 56 13 00-0691 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	445.61	122.37
26 56 13 00-0692 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	299.61	81.57
26 56 13 00-0693 EA Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	407.46	89.74
26 56 13 00-0694 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	369.21	101.98
26 56 13 00-0695 EA Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	497.41	110.13
26 56 13 00-0696 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	447.30	122.37
26 56 13 00-0697 EA Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	601.76	130.52
26 56 13 00-0698 Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)		
26 56 13 00-0699 EA Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	2,692.32	
26 56 13 00-0700 High Mast Lighting (26 56 13 00-0001)		

26	26 Electrical
	26 50 Lighting
	26 56 Exterior Lighting



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

26 56 13 00-0701	High Mast Lighting Assemblies <small>(26 56 13 00-0700)</small>		
	<small>Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 21 00-0001 for high mast fixtures.</small>		
26 56 13 00-0702	EA 60' High Mast Lighting Assembly	55,606.09	2,456.34
26 56 13 00-0703	EA 70' High Mast Lighting Assembly	58,732.68	2,572.64
26 56 13 00-0704	EA 80' High Mast Lighting Assembly	61,905.01	2,740.66
26 56 13 00-0705	EA 90' High Mast Lighting Assembly	65,121.21	2,960.40
26 56 13 00-0706	EA 100' High Mast Lighting Assembly	68,363.74	3,231.73
26 56 13 00-0707	EA 110' High Mast Lighting Assembly	72,537.17	3,555.15
26 56 13 00-0708	EA 120' High Mast Lighting Assembly	75,919.91	3,878.30
26 56 13 00-0709	EA 130' High Mast Lighting Assembly	79,049.32	4,201.45
26 56 13 00-0710	EA 140' High Mast Lighting Assembly	82,432.06	4,524.76
26 56 13 00-0711	EA 150' High Mast Lighting Assembly	86,531.66	4,847.91

26 56 13 00-0712	High Mast Light Poles <small>(26 56 13 00-0700)</small>		
26 56 13 00-0713	EA 60' High Mast Light Poles	21,363.66	1,475.23
26 56 13 00-0714	EA 70' High Mast Light Poles	24,455.30	1,545.11
26 56 13 00-0715	EA 80' High Mast Light Poles	27,577.17	1,646.04
26 56 13 00-0716	EA 90' High Mast Light Poles	30,727.37	1,778.03
26 56 13 00-0717	EA 100' High Mast Light Poles	33,907.78	1,941.09
26 56 13 00-0718	EA 110' High Mast Light Poles	37,118.41	2,135.20
26 56 13 00-0719	EA 120' High Mast Light Poles	39,559.62	2,329.31
26 56 13 00-0720	EA 130' High Mast Light Poles	39,222.21	4,316.99
26 56 13 00-0721	EA 140' High Mast Light Poles	44,186.85	2,717.53
26 56 13 00-0722	EA 150' High Mast Light Poles	46,883.28	2,911.64

26 56 13 00-0723	High Mast Lighting Accessories <small>(26 56 13 00-0700)</small>		
	<small>See CSI section 26 55 13 00-0119 for lighting fixtures, 26 56 21 00-0001 for light fixtures.</small>		
26 56 13 00-0724	EA Bottom Latching System For High Mast Lighting	987.87	
26 56 13 00-0725	EA Top Latching System For High Mast Lighting	2,774.28	
26 56 13 00-0726	EA Centering Springs For High Mast Lighting	2,100.88	
26 56 13 00-0727	EA Electric Power Cord For High Mast Lighting	888.90	
26 56 13 00-0728	EA Aircraft Warning Lights For High Mast Lighting	1,666.19	
26 56 13 00-0729	EA Internal Motorized Hoist For High Mast Lighting	17,751.60	
26 56 13 00-0730	EA Portable Hoist Motor With Step Down Transformer For High Mast Lighting	17,870.25	

26 56 13 00-0731	Concrete Bases <small>(26 56 13 00-0001)</small>		
26 56 13 00-0732	Concrete Bases, Cast In Place <small>(26 56 13 00-0731)</small>		
	<small>Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.</small>		
26 56 13 00-0733	EA Cast In Place Concrete Base For Poles Minimum Charge.....	353.31	
	<small>Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.</small>		
26 56 13 00-0734	VLF 1-1/2' Diameter Concrete Base For Poles.....	53.53	
26 56 13 00-0735	VLF 2' Diameter Concrete Base For Poles.....	81.72	
26 56 13 00-0736	VLF 2-1/2' Diameter Concrete Base For Poles.....	116.78	
26 56 13 00-0737	VLF 3' Diameter Concrete Base For Poles.....	159.40	
26 56 13 00-0738	VLF 3-1/2' Diameter Concrete Base For Poles.....	212.83	
26 56 13 00-0739	VLF 4' Diameter Concrete Base For Poles.....	270.92	
26 56 13 00-0740	VLF 5' Diameter Concrete Base For Poles.....	402.57	
26 56 13 00-0741	VLF 6' Diameter Concrete Base For Poles.....	561.84	

26 56 18	Incandescent Exterior Lighting <small>(26 56)</small>		
26 56 18 00-0001	Exterior Globe <small>(26 56 18)</small>		
26 56 18 00-0002	Incandescent, Exterior Globe <small>(26 56 18 00-0001)</small>		
26 56 18 00-0003	EA 100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	68.16	27.03
26 56 18 00-0004	EA 150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	99.18	27.03
26 56 18 00-0005	EA 100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	77.69	27.03
26 56 18 00-0006	EA 150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	102.85	27.03

26 56 18 00-0007	Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 18)</small>		
	<small>Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.</small>		
26 56 18 00-0008	EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	285.61	108.11
26 56 18 00-0009	EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	299.18	114.87
26 56 18 00-0010	EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	326.10	121.62
26 56 18 00-0011	EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	327.97	135.14
26 56 18 00-0012	EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	371.11	155.41

26 56 19 LED Exterior Lighting (26 56)



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0001 LED, Wall Packs <small>(26 56 19)</small>		
26 56 19 00-0002 Full Cutoff, LED Wall Packs <small>(26 56 19 00-0001)</small>		
26 56 19 00-0003 Full Cutoff, LED Wall Packs (Lithonia) <small>(26 56 19 00-0002)</small>		
26 56 19 00-0004 EA 30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	998.15	143.30
For >50 To 100, Deduct	-49.91	
For >100 To 250, Deduct	-74.86	
For >250 To 500, Deduct	-117.60	
For >500 To 1000, Deduct	-160.35	
For >1000, Deduct	-203.09	
26 56 19 00-0005 EA 30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	1,075.38	143.30
For >50 To 100, Deduct	-53.77	
For >100 To 250, Deduct	-80.65	
For >250 To 500, Deduct	-127.26	
For >500 To 1000, Deduct	-173.86	
For >1000, Deduct	-220.47	
26 56 19 00-0006 Full Cutoff, LED Wall Packs (CREE® BetaLED®) <small>(26 56 19 00-0002)</small>		
26 56 19 00-0007 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) <small>(26 56 19 00-0006)</small>		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0008 EA 20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	886.62	139.20
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Bird Spikes, Add	45.65	
For Fuse, Add	50.37	
For 0 To 10 Volt Dimming, Add	50.37	
For 480 Volt, Add	75.56	
For Multi-Level, Add	109.13	
For >50 To 100, Deduct	-44.33	
For >100 To 250, Deduct	-66.50	
For >250 To 500, Deduct	-103.87	
For >500 To 1000, Deduct	-141.24	
For >1000, Deduct	-178.61	
26 56 19 00-0009 EA 40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,123.37	147.39
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Bird Spikes, Add	46.47	
For Fuse, Add	50.37	
For 0 To 10 Volt Dimming, Add	50.37	
For 480 Volt, Add	75.56	
For Multi-Level, Add	109.13	
For >50 To 100, Deduct	-56.17	
For >100 To 250, Deduct	-84.25	
For >250 To 500, Deduct	-133.05	
For >500 To 1000, Deduct	-181.85	
For >1000, Deduct	-230.65	
26 56 19 00-0010 EA 60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,253.58	155.58
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Bird Spikes, Add	47.29	
For Fuse, Add	50.37	
For 0 To 10 Volt Dimming, Add	50.37	
For 480 Volt, Add	75.56	
For Multi-Level, Add	109.13	
For >50 To 100, Deduct	-62.68	
For >100 To 250, Deduct	-94.02	
For >250 To 500, Deduct	-148.92	
For >500 To 1000, Deduct	-203.82	
For >1000, Deduct	-258.72	
26 56 19 00-0011 EA 80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,596.86	163.77
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.78	
For Bird Spikes, Add	48.11	
For Fuse, Add	50.37	
For 0 To 10 Volt Dimming, Add	50.37	
For 480 Volt, Add	75.56	
For Multi-Level, Add	109.13	
For >50 To 100, Deduct	-79.84	
For >100 To 250, Deduct	-119.76	
For >250 To 500, Deduct	-191.42	
For >500 To 1000, Deduct	-263.07	
For >1000, Deduct	-334.73	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0012	EA	100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,833.61	171.96
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Bird Spikes, Add</i>	48.93	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For >50 To 100, Deduct</i>	-91.68	
			<i>For >100 To 250, Deduct</i>	-137.52	
			<i>For >250 To 500, Deduct</i>	-220.60	
			<i>For >500 To 1000, Deduct</i>	-303.69	
			<i>For >1000, Deduct</i>	-386.77	
26 56	19 00-0013	EA	120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	2,070.36	180.14
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Bird Spikes, Add</i>	49.74	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For >50 To 100, Deduct</i>	-103.52	
			<i>For >100 To 250, Deduct</i>	-155.28	
			<i>For >250 To 500, Deduct</i>	-249.79	
			<i>For >500 To 1000, Deduct</i>	-344.30	
			<i>For >1000, Deduct</i>	-438.81	
26 56	19 00-0014		Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) ^(26 56 19 00-0006)		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56	19 00-0015	EA	25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	559.38	139.20
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For Multi-Level, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-27.97	
			<i>For >100 To 250, Deduct</i>	-41.95	
			<i>For >250 To 500, Deduct</i>	-62.96	
			<i>For >500 To 1000, Deduct</i>	-83.97	
			<i>For >1000, Deduct</i>	-104.98	
26 56	19 00-0016	EA	42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	641.31	147.39
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For Multi-Level, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-32.07	
			<i>For >100 To 250, Deduct</i>	-48.10	
			<i>For >250 To 500, Deduct</i>	-72.79	
			<i>For >500 To 1000, Deduct</i>	-97.49	
			<i>For >1000, Deduct</i>	-122.19	
26 56	19 00-0017		Open Face LED Wall Pack ^(26 56 19 00-0001)		
			Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56	19 00-0018	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS).....	813.32	147.91
			<i>For >50 To 100, Deduct</i>	-40.67	
			<i>For >100 To 250, Deduct</i>	-61.00	
			<i>For >250 To 500, Deduct</i>	-90.57	
			<i>For >500 To 1000, Deduct</i>	-120.15	
			<i>For >1000, Deduct</i>	-149.72	
26 56	19 00-0019	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS).....	868.00	147.91
			<i>For >50 To 100, Deduct</i>	-43.40	
			<i>For >100 To 250, Deduct</i>	-65.10	
			<i>For >250 To 500, Deduct</i>	-97.41	
			<i>For >500 To 1000, Deduct</i>	-129.71	
			<i>For >1000, Deduct</i>	-162.02	
26 56	19 00-0020	EA	7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS).....	896.64	147.91
			<i>For >50 To 100, Deduct</i>	-44.83	
			<i>For >100 To 250, Deduct</i>	-67.25	
			<i>For >250 To 500, Deduct</i>	-100.99	
			<i>For >500 To 1000, Deduct</i>	-134.73	
			<i>For >1000, Deduct</i>	-168.47	
26 56	19 00-0021	EA	11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS).....	919.87	147.91
			<i>For >50 To 100, Deduct</i>	-45.99	
			<i>For >100 To 250, Deduct</i>	-68.99	
			<i>For >250 To 500, Deduct</i>	-103.89	
			<i>For >500 To 1000, Deduct</i>	-138.79	
			<i>For >1000, Deduct</i>	-173.69	
26 56	19 00-0022	EA	16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS).....	1,094.07	147.91
			<i>For >50 To 100, Deduct</i>	-54.70	
			<i>For >100 To 250, Deduct</i>	-82.06	
			<i>For >250 To 500, Deduct</i>	-125.67	
			<i>For >500 To 1000, Deduct</i>	-169.28	
			<i>For >1000, Deduct</i>	-212.89	
26 56	19 00-0023		Wall Pack Accessories ^(26 56 19 00-0001)		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0024 EA Photocell For Wall Pack	149.12	36.98
26 56 19 00-0025 EA Wire Guard For Mini And Small Wall Pack	164.83	36.98
26 56 19 00-0026 EA Wire Guard For Medium And Large Wall Pack	230.54	36.98
26 56 19 00-0027 EA Clear Polycarbonate Vandal Guard For Wall Packs	325.36	36.98
26 56 19 00-0028 EA Full Cutoff Visor For Wall Pack	160.54	36.98
26 56 19 00-0029 LED, Roadway Lighting (26 56 19)		
26 56 19 00-0030 LED Roadway Lighting (Philips Lumec) (26 56 19 00-0029)		
26 56 19 00-0031 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) (26 56 19 00-0030)		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0032 EA 49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,628.86	196.93
For >50 To 100, Deduct	-81.44	
For >100 To 250, Deduct	-122.16	
For >250 To 500, Deduct	-193.76	
For >500 To 1000, Deduct	-265.36	
For >1000, Deduct	-336.95	
26 56 19 00-0033 EA 98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	2,511.70	202.25
For >50 To 100, Deduct	-125.59	
For >100 To 250, Deduct	-188.38	
For >250 To 500, Deduct	-303.85	
For >500 To 1000, Deduct	-419.32	
For >1000, Deduct	-534.80	
26 56 19 00-0034 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) (26 56 19 00-0030)		
Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0035 EA 48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	1,200.15	196.93
For >50 To 100, Deduct	-60.01	
For >100 To 250, Deduct	-90.01	
For >250 To 500, Deduct	-140.17	
For >500 To 1000, Deduct	-190.33	
For >1000, Deduct	-240.49	
26 56 19 00-0036 EA 48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,200.15	196.93
For >50 To 100, Deduct	-60.01	
For >100 To 250, Deduct	-90.01	
For >250 To 500, Deduct	-140.17	
For >500 To 1000, Deduct	-190.33	
For >1000, Deduct	-240.49	
26 56 19 00-0037 EA 48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,200.15	196.93
For >50 To 100, Deduct	-60.01	
For >100 To 250, Deduct	-90.01	
For >250 To 500, Deduct	-140.17	
For >500 To 1000, Deduct	-190.33	
For >1000, Deduct	-240.49	
26 56 19 00-0038 LED Roadway Lighting (Lithonia) (26 56 19 00-0029)		
26 56 19 00-0039 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) (26 56 19 00-0038)		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0040 EA 30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,336.56	186.29
For >50 To 100, Deduct	-116.83	
For >100 To 250, Deduct	-175.24	
For >250 To 500, Deduct	-282.76	
For >500 To 1000, Deduct	-390.27	
For >1000, Deduct	-497.78	
26 56 19 00-0041 EA 60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	3,828.78	191.61
For >50 To 100, Deduct	-191.44	
For >100 To 250, Deduct	-287.16	
For >250 To 500, Deduct	-469.02	
For >500 To 1000, Deduct	-650.88	
For >1000, Deduct	-832.73	
26 56 19 00-0042 LED Roadway Lighting (CREE® BetaLED®) (26 56 19 00-0029)		
26 56 19 00-0043 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) (26 56 19 00-0042)		
Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0044 EA 20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	848.80	180.96
For >50 To 100, Deduct	-42.44	
For >100 To 250, Deduct	-63.66	
For >250 To 500, Deduct	-97.05	
For >500 To 1000, Deduct	-130.44	
For >1000, Deduct	-163.84	
26 56 19 00-0045 EA 30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	942.01	186.29
For >50 To 100, Deduct	-47.10	
For >100 To 250, Deduct	-70.65	
For >250 To 500, Deduct	-108.44	
For >500 To 1000, Deduct	-146.22	
For >1000, Deduct	-184.01	
26 56 19 00-0046 EA 40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,053.72	191.61
For >50 To 100, Deduct	-52.69	
For >100 To 250, Deduct	-79.03	
For >250 To 500, Deduct	-122.13	
For >500 To 1000, Deduct	-165.24	
For >1000, Deduct	-208.35	
26 56 19 00-0047 EA 50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,148.36	196.93
For >50 To 100, Deduct	-57.42	
For >100 To 250, Deduct	-86.13	
For >250 To 500, Deduct	-133.70	
For >500 To 1000, Deduct	-181.27	
For >1000, Deduct	-228.84	
26 56 19 00-0048 EA 60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,242.99	202.25
For >50 To 100, Deduct	-62.15	
For >100 To 250, Deduct	-93.22	
For >250 To 500, Deduct	-145.26	
For >500 To 1000, Deduct	-197.30	
For >1000, Deduct	-249.34	
26 56 19 00-0049 EA 70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,462.91	207.57
For >50 To 100, Deduct	-73.15	
For >100 To 250, Deduct	-109.72	
For >250 To 500, Deduct	-172.49	
For >500 To 1000, Deduct	-235.25	
For >1000, Deduct	-298.02	
26 56 19 00-0050 EA 80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,557.54	212.90
For >50 To 100, Deduct	-77.88	
For >100 To 250, Deduct	-116.82	
For >250 To 500, Deduct	-184.05	
For >500 To 1000, Deduct	-251.28	
For >1000, Deduct	-318.51	
26 56 19 00-0051 EA 90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,650.76	218.22
For >50 To 100, Deduct	-82.54	
For >100 To 250, Deduct	-123.81	
For >250 To 500, Deduct	-195.43	
For >500 To 1000, Deduct	-267.06	
For >1000, Deduct	-338.69	
26 56 19 00-0052 EA 100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,829.39	223.55
For >50 To 100, Deduct	-91.47	
For >100 To 250, Deduct	-137.20	
For >250 To 500, Deduct	-217.50	
For >500 To 1000, Deduct	-297.79	
For >1000, Deduct	-378.08	
26 56 19 00-0053 EA 110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,924.03	228.86
For >50 To 100, Deduct	-96.20	
For >100 To 250, Deduct	-144.30	
For >250 To 500, Deduct	-229.06	
For >500 To 1000, Deduct	-313.82	
For >1000, Deduct	-398.58	
26 56 19 00-0054 EA 120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,018.67	234.18
For >50 To 100, Deduct	-100.93	
For >100 To 250, Deduct	-151.40	
For >250 To 500, Deduct	-240.62	
For >500 To 1000, Deduct	-329.85	
For >1000, Deduct	-419.07	

26 56 19 00-0055 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) (26 56 19 00-0042)

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0056	EA		40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,573.33	191.61
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-78.67	
			<i>For >100 To 250, Deduct</i>	-118.00	
			<i>For >250 To 500, Deduct</i>	-187.09	
			<i>For >500 To 1000, Deduct</i>	-256.17	
			<i>For >1000, Deduct</i>	-325.26	
26 56 19 00-0057	EA		60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,803.89	202.25
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-90.19	
			<i>For >100 To 250, Deduct</i>	-135.29	
			<i>For >250 To 500, Deduct</i>	-215.37	
			<i>For >500 To 1000, Deduct</i>	-295.46	
			<i>For >1000, Deduct</i>	-375.54	
26 56 19 00-0058	EA		80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,034.45	212.90
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-101.72	
			<i>For >100 To 250, Deduct</i>	-152.58	
			<i>For >250 To 500, Deduct</i>	-243.66	
			<i>For >500 To 1000, Deduct</i>	-334.74	
			<i>For >1000, Deduct</i>	-425.82	
26 56 19 00-0059	EA		100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,265.00	223.55
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-113.25	
			<i>For >100 To 250, Deduct</i>	-169.88	
			<i>For >250 To 500, Deduct</i>	-271.95	
			<i>For >500 To 1000, Deduct</i>	-374.02	
			<i>For >1000, Deduct</i>	-476.09	
26 56 19 00-0060	EA		120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,939.73	234.18
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-146.99	
			<i>For >100 To 250, Deduct</i>	-220.48	
			<i>For >250 To 500, Deduct</i>	-355.76	
			<i>For >500 To 1000, Deduct</i>	-491.03	
			<i>For >1000, Deduct</i>	-626.31	
26 56 19 00-0061	EA		140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,170.28	244.83
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-158.51	
			<i>For >100 To 250, Deduct</i>	-237.77	
			<i>For >250 To 500, Deduct</i>	-384.04	
			<i>For >500 To 1000, Deduct</i>	-530.32	
			<i>For >1000, Deduct</i>	-676.59	
26 56 19 00-0062	EA		160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,400.84	255.48
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-170.04	
			<i>For >100 To 250, Deduct</i>	-255.06	
			<i>For >250 To 500, Deduct</i>	-412.33	
			<i>For >500 To 1000, Deduct</i>	-569.60	
			<i>For >1000, Deduct</i>	-726.87	
26 56 19 00-0063			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) <small>(26 56 19 00-0042)</small>		
			Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0064	EA		4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	734.04	191.61
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Backlight Control Shield, Add</i>	35.03	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Bird Spikes, Add</i>	50.89	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Fuse, Add</i>	50.37	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For >50 To 100, Deduct</i>	-36.70	
			<i>For >100 To 250, Deduct</i>	-55.05	
			<i>For >250 To 500, Deduct</i>	-82.17	
			<i>For >500 To 1000, Deduct</i>	-109.30	
			<i>For >1000, Deduct</i>	-136.42	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0065	EA		5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	734.04	191.61
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Backlight Control Shield, Add</i>	35.03	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Bird Spikes, Add</i>	50.89	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Fuse, Add</i>	50.37	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For >50 To 100, Deduct</i>	-36.70	
			<i>For >100 To 250, Deduct</i>	-55.05	
			<i>For >250 To 500, Deduct</i>	-82.17	
			<i>For >500 To 1000, Deduct</i>	-109.30	
			<i>For >1000, Deduct</i>	-136.42	
26 56 19 00-0066	EA		8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	797.50	191.61
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Backlight Control Shield, Add</i>	35.03	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Bird Spikes, Add</i>	50.89	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For >50 To 100, Deduct</i>	-39.88	
			<i>For >100 To 250, Deduct</i>	-59.81	
			<i>For >250 To 500, Deduct</i>	-90.11	
			<i>For >500 To 1000, Deduct</i>	-120.40	
			<i>For >1000, Deduct</i>	-150.70	
26 56 19 00-0067	EA		8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	797.50	191.61
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Backlight Control Shield, Add</i>	35.03	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Bird Spikes, Add</i>	50.89	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For >50 To 100, Deduct</i>	-39.88	
			<i>For >100 To 250, Deduct</i>	-59.81	
			<i>For >250 To 500, Deduct</i>	-90.11	
			<i>For >500 To 1000, Deduct</i>	-120.40	
			<i>For >1000, Deduct</i>	-150.70	
26 56 19 00-0068	EA		9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	910.32	191.61
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	47.36	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Fuse, Add</i>	50.37	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For Bird Spikes, Add</i>	79.11	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For >50 To 100, Deduct</i>	-45.52	
			<i>For >100 To 250, Deduct</i>	-68.27	
			<i>For >250 To 500, Deduct</i>	-104.21	
			<i>For >500 To 1000, Deduct</i>	-140.15	
			<i>For >1000, Deduct</i>	-176.08	
26 56 19 00-0069	EA		10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	910.32	191.61
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	47.36	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Fuse, Add</i>	50.37	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For Bird Spikes, Add</i>	79.11	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For >50 To 100, Deduct</i>	-45.52	
			<i>For >100 To 250, Deduct</i>	-68.27	
			<i>For >250 To 500, Deduct</i>	-104.21	
			<i>For >500 To 1000, Deduct</i>	-140.15	
			<i>For >1000, Deduct</i>	-176.08	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0070	EA	13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,016.11	191.61
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	47.36	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For Bird Spikes, Add</i>	79.11	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For >50 To 100, Deduct</i>	-50.81	
			<i>For >100 To 250, Deduct</i>	-76.21	
			<i>For >250 To 500, Deduct</i>	-117.43	
			<i>For >500 To 1000, Deduct</i>	-158.66	
			<i>For >1000, Deduct</i>	-199.88	
26 56	19 00-0071	EA	14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,016.11	191.61
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	47.36	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For Bird Spikes, Add</i>	79.11	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For >50 To 100, Deduct</i>	-50.81	
			<i>For >100 To 250, Deduct</i>	-76.21	
			<i>For >250 To 500, Deduct</i>	-117.43	
			<i>For >500 To 1000, Deduct</i>	-158.66	
			<i>For >1000, Deduct</i>	-199.88	
26 56	19 00-0072	EA	2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	621.21	191.61
			<i>For Utility Label, Add</i>	8.39	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	25.19	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-31.06	
			<i>For >100 To 250, Deduct</i>	-46.59	
			<i>For >250 To 500, Deduct</i>	-68.07	
			<i>For >500 To 1000, Deduct</i>	-89.55	
			<i>For >1000, Deduct</i>	-111.03	
26 56	19 00-0073	EA	2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	621.21	191.61
			<i>For Utility Label, Add</i>	8.39	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	25.19	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-31.06	
			<i>For >100 To 250, Deduct</i>	-46.59	
			<i>For >250 To 500, Deduct</i>	-68.07	
			<i>For >500 To 1000, Deduct</i>	-89.55	
			<i>For >1000, Deduct</i>	-111.03	
26 56	19 00-0074	EA	3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	647.66	191.61
			<i>For Utility Label, Add</i>	8.39	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	25.19	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-32.38	
			<i>For >100 To 250, Deduct</i>	-48.57	
			<i>For >250 To 500, Deduct</i>	-71.38	
			<i>For >500 To 1000, Deduct</i>	-94.18	
			<i>For >1000, Deduct</i>	-116.98	
26 56	19 00-0075	EA	4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	647.66	191.61
			<i>For Utility Label, Add</i>	8.39	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	25.19	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-32.38	
			<i>For >100 To 250, Deduct</i>	-48.57	
			<i>For >250 To 500, Deduct</i>	-71.38	
			<i>For >500 To 1000, Deduct</i>	-94.18	
			<i>For >1000, Deduct</i>	-116.98	
26 56	19 00-0076	EA	4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	656.47	191.61
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-32.82	
			<i>For >100 To 250, Deduct</i>	-49.24	
			<i>For >250 To 500, Deduct</i>	-72.48	
			<i>For >500 To 1000, Deduct</i>	-95.72	
			<i>For >1000, Deduct</i>	-118.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0077	EA		4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	656.47	191.61
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Field Adjustable Output And Utility Label, Add</i>	33.58	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-32.82	
			<i>For >100 To 250, Deduct</i>	-49.24	
			<i>For >250 To 500, Deduct</i>	-72.48	
			<i>For >500 To 1000, Deduct</i>	-95.72	
			<i>For >1000, Deduct</i>	-118.97	
26 56 19 00-0078			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)		
			<small>(26 56 19 00-0042)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0079	EA		3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N).....	638.84	191.61
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	61.14	
			<i>For Bird Spikes, Add</i>	79.60	
			<i>For >50 To 100, Deduct</i>	-31.94	
			<i>For >100 To 250, Deduct</i>	-47.91	
			<i>For >250 To 500, Deduct</i>	-70.27	
			<i>For >500 To 1000, Deduct</i>	-92.64	
			<i>For >1000, Deduct</i>	-115.00	
26 56 19 00-0080	EA		3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N).....	638.84	191.61
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	61.14	
			<i>For Bird Spikes, Add</i>	79.60	
			<i>For >50 To 100, Deduct</i>	-31.94	
			<i>For >100 To 250, Deduct</i>	-47.91	
			<i>For >250 To 500, Deduct</i>	-70.27	
			<i>For >500 To 1000, Deduct</i>	-92.64	
			<i>For >1000, Deduct</i>	-115.00	
26 56 19 00-0081	EA		5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N).....	656.47	191.61
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	61.14	
			<i>For Bird Spikes, Add</i>	79.60	
			<i>For >50 To 100, Deduct</i>	-32.82	
			<i>For >100 To 250, Deduct</i>	-49.24	
			<i>For >250 To 500, Deduct</i>	-72.48	
			<i>For >500 To 1000, Deduct</i>	-95.72	
			<i>For >1000, Deduct</i>	-118.97	
26 56 19 00-0082	EA		5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N).....	656.47	191.61
			<i>For Field Adjustable Output, Add</i>	25.19	
			<i>For Backlight Control Shield, Add</i>	61.14	
			<i>For Bird Spikes, Add</i>	79.60	
			<i>For >50 To 100, Deduct</i>	-32.82	
			<i>For >100 To 250, Deduct</i>	-49.24	
			<i>For >250 To 500, Deduct</i>	-72.48	
			<i>For >500 To 1000, Deduct</i>	-95.72	
			<i>For >1000, Deduct</i>	-118.97	
26 56 19 00-0083			LED Roadway Lighting (Cooper Lighting) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0084			Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) <small>(26 56 19 00-0083)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0085	EA		1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,058.58	191.61
			<i>For >50 To 100, Deduct</i>	-52.93	
			<i>For >100 To 250, Deduct</i>	-79.39	
			<i>For >250 To 500, Deduct</i>	-122.74	
			<i>For >500 To 1000, Deduct</i>	-166.09	
			<i>For >1000, Deduct</i>	-209.44	
26 56 19 00-0086	EA		2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,420.94	212.90
			<i>For >50 To 100, Deduct</i>	-71.05	
			<i>For >100 To 250, Deduct</i>	-106.57	
			<i>For >250 To 500, Deduct</i>	-166.97	
			<i>For >500 To 1000, Deduct</i>	-227.38	
			<i>For >1000, Deduct</i>	-287.78	
26 56 19 00-0087	EA		3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,529.05	244.83
			<i>For >50 To 100, Deduct</i>	-76.45	
			<i>For >100 To 250, Deduct</i>	-114.68	
			<i>For >250 To 500, Deduct</i>	-178.89	
			<i>For >500 To 1000, Deduct</i>	-243.10	
			<i>For >1000, Deduct</i>	-307.31	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0088	EA		4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,245.96	266.12
			<i>For >50 To 100, Deduct</i>	-112.30	
			<i>For >100 To 250, Deduct</i>	-168.45	
			<i>For >250 To 500, Deduct</i>	-267.44	
			<i>For >500 To 1000, Deduct</i>	-366.43	
			<i>For >1000, Deduct</i>	-465.42	
26 56 19 00-0089	EA		6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,932.05	302.96
			<i>For >50 To 100, Deduct</i>	-146.60	
			<i>For >100 To 250, Deduct</i>	-219.90	
			<i>For >250 To 500, Deduct</i>	-351.36	
			<i>For >500 To 1000, Deduct</i>	-482.81	
			<i>For >1000, Deduct</i>	-614.27	
26 56 19 00-0090			LED Roadway Lighting (PlanLED) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0091			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) <small>(26 56 19 00-0090)</small>		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0092	EA		8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,259.23	186.29
			<i>For >50 To 100, Deduct</i>	-62.96	
			<i>For >100 To 250, Deduct</i>	-94.44	
			<i>For >250 To 500, Deduct</i>	-148.09	
			<i>For >500 To 1000, Deduct</i>	-201.74	
			<i>For >1000, Deduct</i>	-255.38	
26 56 19 00-0093	EA		11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,365.46	188.33
			<i>For >50 To 100, Deduct</i>	-68.27	
			<i>For >100 To 250, Deduct</i>	-102.41	
			<i>For >250 To 500, Deduct</i>	-161.27	
			<i>For >500 To 1000, Deduct</i>	-220.12	
			<i>For >1000, Deduct</i>	-278.98	
26 56 19 00-0094	EA		15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,449.65	191.61
			<i>For >50 To 100, Deduct</i>	-72.48	
			<i>For >100 To 250, Deduct</i>	-108.72	
			<i>For >250 To 500, Deduct</i>	-171.63	
			<i>For >500 To 1000, Deduct</i>	-234.53	
			<i>For >1000, Deduct</i>	-297.43	
26 56 19 00-0095			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) <small>(26 56 19 00-0090)</small>		
			Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0096	EA		7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	847.75	181.78
			<i>For >50 To 100, Deduct</i>	-42.39	
			<i>For >100 To 250, Deduct</i>	-63.58	
			<i>For >250 To 500, Deduct</i>	-96.88	
			<i>For >500 To 1000, Deduct</i>	-130.18	
			<i>For >1000, Deduct</i>	-163.48	
26 56 19 00-0097	EA		10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	905.37	185.06
			<i>For >50 To 100, Deduct</i>	-45.27	
			<i>For >100 To 250, Deduct</i>	-67.90	
			<i>For >250 To 500, Deduct</i>	-103.92	
			<i>For >500 To 1000, Deduct</i>	-139.93	
			<i>For >1000, Deduct</i>	-175.95	
26 56 19 00-0098	EA		12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	995.68	188.33
			<i>For >50 To 100, Deduct</i>	-49.78	
			<i>For >100 To 250, Deduct</i>	-74.68	
			<i>For >250 To 500, Deduct</i>	-115.04	
			<i>For >500 To 1000, Deduct</i>	-155.41	
			<i>For >1000, Deduct</i>	-195.78	
26 56 19 00-0099			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) <small>(26 56 19 00-0090)</small>		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0100	EA		13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	1,054.93	188.33
			<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
			<i>For 480 Volt, Add</i>	88.26	
			<i>For >50 To 100, Deduct</i>	-52.75	
			<i>For >100 To 250, Deduct</i>	-79.12	
			<i>For >250 To 500, Deduct</i>	-122.45	
			<i>For >500 To 1000, Deduct</i>	-165.78	
			<i>For >1000, Deduct</i>	-209.11	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0101	EA		16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	1,164.45	189.97
			<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
			<i>For 480 Volt, Add</i>	26.64	
			<i>For >50 To 100, Deduct</i>	-58.22	
			<i>For >100 To 250, Deduct</i>	-87.33	
			<i>For >250 To 500, Deduct</i>	-136.06	
			<i>For >500 To 1000, Deduct</i>	-184.78	
			<i>For >1000, Deduct</i>	-233.51	
26 56 19 00-0102	EA		19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	1,249.44	191.61
			<i>For 0 To 10 Volt Dimming, Add</i>	88.26	
			<i>For 480 Volt, Add</i>	110.30	
			<i>For >50 To 100, Deduct</i>	-62.47	
			<i>For >100 To 250, Deduct</i>	-93.71	
			<i>For >250 To 500, Deduct</i>	-146.60	
			<i>For >500 To 1000, Deduct</i>	-199.49	
			<i>For >1000, Deduct</i>	-252.38	
26 56 19 00-0103			LED Roadway Lighting (General Electric) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0104			Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) <small>(26 56 19 00-0103)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0105	EA		2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY).....	660.31	180.96
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-33.02	
			<i>For >100 To 250, Deduct</i>	-49.52	
			<i>For >250 To 500, Deduct</i>	-73.49	
			<i>For >500 To 1000, Deduct</i>	-97.46	
			<i>For >1000, Deduct</i>	-121.43	
26 56 19 00-0106	EA		3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY).....	665.22	183.42
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-33.26	
			<i>For >100 To 250, Deduct</i>	-49.89	
			<i>For >250 To 500, Deduct</i>	-73.98	
			<i>For >500 To 1000, Deduct</i>	-98.07	
			<i>For >1000, Deduct</i>	-122.16	
26 56 19 00-0107	EA		4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY).....	691.59	186.29
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-34.58	
			<i>For >100 To 250, Deduct</i>	-51.87	
			<i>For >250 To 500, Deduct</i>	-77.13	
			<i>For >500 To 1000, Deduct</i>	-102.40	
			<i>For >1000, Deduct</i>	-127.67	
26 56 19 00-0108	EA		5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY).....	718.20	188.33
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-35.91	
			<i>For >100 To 250, Deduct</i>	-53.87	
			<i>For >250 To 500, Deduct</i>	-80.36	
			<i>For >500 To 1000, Deduct</i>	-106.85	
			<i>For >1000, Deduct</i>	-133.35	
26 56 19 00-0109	EA		7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY).....	788.32	192.42
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-39.42	
			<i>For >100 To 250, Deduct</i>	-59.12	
			<i>For >250 To 500, Deduct</i>	-88.92	
			<i>For >500 To 1000, Deduct</i>	-118.71	
			<i>For >1000, Deduct</i>	-148.51	
26 56 19 00-0110	EA		8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY).....	825.38	194.06
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-41.27	
			<i>For >100 To 250, Deduct</i>	-61.90	
			<i>For >250 To 500, Deduct</i>	-93.47	
			<i>For >500 To 1000, Deduct</i>	-125.04	
			<i>For >1000, Deduct</i>	-156.60	
26 56 19 00-0111	EA		9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY).....	894.91	196.93
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-44.75	
			<i>For >100 To 250, Deduct</i>	-67.12	
			<i>For >250 To 500, Deduct</i>	-102.02	
			<i>For >500 To 1000, Deduct</i>	-136.92	
			<i>For >1000, Deduct</i>	-171.82	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0112	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	1,042.54	202.25
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-52.13	
			<i>For >100 To 250, Deduct</i>	-78.19	
			<i>For >250 To 500, Deduct</i>	-120.21	
			<i>For >500 To 1000, Deduct</i>	-162.22	
			<i>For >1000, Deduct</i>	-204.23	
26 56	19 00-0113	EA	19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	1,213.96	212.90
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-60.70	
			<i>For >100 To 250, Deduct</i>	-91.05	
			<i>For >250 To 500, Deduct</i>	-141.10	
			<i>For >500 To 1000, Deduct</i>	-191.15	
			<i>For >1000, Deduct</i>	-241.21	
26 56	19 00-0114		LED Roadway Lighting (Acuity AEL Autobahn) <small>(26 56 19 00-0029)</small>		
26 56	19 00-0115		Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) <small>(26 56 19 00-0114)</small>		
			Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56	19 00-0116	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	1,222.47	186.29
			<i>For >50 To 100, Deduct</i>	-61.12	
			<i>For >100 To 250, Deduct</i>	-91.69	
			<i>For >250 To 500, Deduct</i>	-143.49	
			<i>For >500 To 1000, Deduct</i>	-195.30	
			<i>For >1000, Deduct</i>	-247.11	
26 56	19 00-0117	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	1,505.66	191.61
			<i>For >50 To 100, Deduct</i>	-75.28	
			<i>For >100 To 250, Deduct</i>	-112.92	
			<i>For >250 To 500, Deduct</i>	-178.63	
			<i>For >500 To 1000, Deduct</i>	-244.33	
			<i>For >1000, Deduct</i>	-310.03	
26 56	19 00-0118	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	2,077.67	196.93
			<i>For >50 To 100, Deduct</i>	-103.88	
			<i>For >100 To 250, Deduct</i>	-155.83	
			<i>For >250 To 500, Deduct</i>	-249.86	
			<i>For >500 To 1000, Deduct</i>	-343.90	
			<i>For >1000, Deduct</i>	-437.94	
26 56	19 00-0119	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	2,654.44	204.71
			<i>For >50 To 100, Deduct</i>	-132.72	
			<i>For >100 To 250, Deduct</i>	-199.08	
			<i>For >250 To 500, Deduct</i>	-321.57	
			<i>For >500 To 1000, Deduct</i>	-444.06	
			<i>For >1000, Deduct</i>	-566.54	
26 56	19 00-0120	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	3,217.55	210.44
			<i>For >50 To 100, Deduct</i>	-160.88	
			<i>For >100 To 250, Deduct</i>	-241.32	
			<i>For >250 To 500, Deduct</i>	-391.67	
			<i>For >500 To 1000, Deduct</i>	-542.03	
			<i>For >1000, Deduct</i>	-692.38	
26 56	19 00-0121		LED Roadway Lighting (Leotek) <small>(26 56 19 00-0029)</small>		
26 56	19 00-0122		Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) <small>(26 56 19 00-0121)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56	19 00-0123	EA	Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	676.02	186.29
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-33.80	
			<i>For >100 To 250, Deduct</i>	-50.70	
			<i>For >250 To 500, Deduct</i>	-75.19	
			<i>For >500 To 1000, Deduct</i>	-99.68	
			<i>For >1000, Deduct</i>	-124.16	
26 56	19 00-0124	EA	Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	689.96	188.33
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-34.50	
			<i>For >100 To 250, Deduct</i>	-51.75	
			<i>For >250 To 500, Deduct</i>	-76.83	
			<i>For >500 To 1000, Deduct</i>	-101.91	
			<i>For >1000, Deduct</i>	-126.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0125	EA	Up To 9,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL).....	731.83	189.56
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
			For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
			For >50 To 100, Deduct	-36.59	
			For >100 To 250, Deduct	-54.89	
			For >250 To 500, Deduct	-82.00	
			For >500 To 1000, Deduct	-109.11	
			For >1000, Deduct	-136.23	
26 56	19 00-0126	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL).....	841.15	196.93
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
			For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
			For >50 To 100, Deduct	-42.06	
			For >100 To 250, Deduct	-63.09	
			For >250 To 500, Deduct	-95.30	
			For >500 To 1000, Deduct	-127.51	
			For >1000, Deduct	-159.72	
26 56	19 00-0127	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL).....	973.95	202.25
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
			For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
			For >50 To 100, Deduct	-48.70	
			For >100 To 250, Deduct	-73.05	
			For >250 To 500, Deduct	-111.63	
			For >500 To 1000, Deduct	-150.22	
			For >1000, Deduct	-188.80	
26 56	19 00-0128	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL).....	980.50	205.53
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
			For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
			For >50 To 100, Deduct	-49.03	
			For >100 To 250, Deduct	-73.54	
			For >250 To 500, Deduct	-112.29	
			For >500 To 1000, Deduct	-151.04	
			For >1000, Deduct	-189.78	
26 56	19 00-0129	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL).....	1,186.08	208.80
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
			For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
			For >50 To 100, Deduct	-59.30	
			For >100 To 250, Deduct	-88.96	
			For >250 To 500, Deduct	-137.82	
			For >500 To 1000, Deduct	-186.68	
			For >1000, Deduct	-235.55	
26 56	19 00-0130	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL).....	1,241.55	212.90
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
			For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
			For >50 To 100, Deduct	-62.08	
			For >100 To 250, Deduct	-93.12	
			For >250 To 500, Deduct	-144.55	
			For >500 To 1000, Deduct	-195.98	
			For >1000, Deduct	-247.41	
26 56	19 00-0131	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL).....	1,378.15	216.17
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
			For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
			For >50 To 100, Deduct	-68.91	
			For >100 To 250, Deduct	-103.36	
			For >250 To 500, Deduct	-161.46	
			For >500 To 1000, Deduct	-219.56	
			For >1000, Deduct	-277.66	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0132 EA Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL).....	1,473.37	219.45
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-73.67	
For >100 To 250, Deduct	-110.50	
For >250 To 500, Deduct	-173.20	
For >500 To 1000, Deduct	-235.90	
For >1000, Deduct	-298.59	
26 56 19 00-0133 EA Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL).....	772.72	188.33
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-38.64	
For >100 To 250, Deduct	-57.95	
For >250 To 500, Deduct	-87.17	
For >500 To 1000, Deduct	-116.39	
For >1000, Deduct	-145.61	
26 56 19 00-0134 EA Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL).....	843.63	193.24
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-42.18	
For >100 To 250, Deduct	-63.27	
For >250 To 500, Deduct	-95.79	
For >500 To 1000, Deduct	-128.31	
For >1000, Deduct	-160.83	
26 56 19 00-0135 EA Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL).....	906.17	196.93
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-45.31	
For >100 To 250, Deduct	-67.96	
For >250 To 500, Deduct	-103.42	
For >500 To 1000, Deduct	-138.89	
For >1000, Deduct	-174.35	
26 56 19 00-0136 EA Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL).....	960.50	201.43
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-48.03	
For >100 To 250, Deduct	-72.04	
For >250 To 500, Deduct	-109.99	
For >500 To 1000, Deduct	-147.94	
For >1000, Deduct	-185.90	
26 56 19 00-0137 EA Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL).....	1,015.00	203.07
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-50.75	
For >100 To 250, Deduct	-76.13	
For >250 To 500, Deduct	-116.72	
For >500 To 1000, Deduct	-157.32	
For >1000, Deduct	-197.91	
26 56 19 00-0138 EA Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL).....	1,197.23	210.44
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.38	
For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
For >50 To 100, Deduct	-59.86	
For >100 To 250, Deduct	-89.79	
For >250 To 500, Deduct	-139.13	
For >500 To 1000, Deduct	-188.47	
For >1000, Deduct	-237.81	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0139	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL).....	1,345.32	214.54
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
			For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
			For >50 To 100, Deduct	-67.27	
			For >100 To 250, Deduct	-100.90	
			For >250 To 500, Deduct	-157.44	
			For >500 To 1000, Deduct	-213.98	
			For >1000, Deduct	-270.52	
26 56	19 00-0140	EA	Up To 22,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL).....	1,425.78	215.35
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
			For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
			For >50 To 100, Deduct	-71.29	
			For >100 To 250, Deduct	-106.93	
			For >250 To 500, Deduct	-167.45	
			For >500 To 1000, Deduct	-227.98	
			For >1000, Deduct	-288.50	
26 56	19 00-0141	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....	1,503.59	217.81
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
			For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
			For >50 To 100, Deduct	-75.18	
			For >100 To 250, Deduct	-112.77	
			For >250 To 500, Deduct	-177.06	
			For >500 To 1000, Deduct	-241.35	
			For >1000, Deduct	-305.64	
26 56	19 00-0142	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP).....	830.75	205.53
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
			For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
			For >50 To 100, Deduct	-41.54	
			For >100 To 250, Deduct	-62.31	
			For >250 To 500, Deduct	-93.57	
			For >500 To 1000, Deduct	-124.83	
			For >1000, Deduct	-156.09	
26 56	19 00-0143	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP).....	893.96	207.57
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
			For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
			For >50 To 100, Deduct	-44.70	
			For >100 To 250, Deduct	-67.05	
			For >250 To 500, Deduct	-101.37	
			For >500 To 1000, Deduct	-135.69	
			For >1000, Deduct	-170.00	
26 56	19 00-0144	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL).....	649.74	187.92
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
			For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
			For >50 To 100, Deduct	-32.49	
			For >100 To 250, Deduct	-48.73	
			For >250 To 500, Deduct	-71.82	
			For >500 To 1000, Deduct	-94.91	
			For >1000, Deduct	-118.00	
26 56	19 00-0145	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL).....	660.89	189.56
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.38	
			For ANSI 7-wire Photocontrol Receptacle, Add	28.15	
			For Ripley Long-Life Twist Lock Photocontrol, Add	50.37	
			For >50 To 100, Deduct	-33.04	
			For >100 To 250, Deduct	-49.57	
			For >250 To 500, Deduct	-73.13	
			For >500 To 1000, Deduct	-96.70	
			For >1000, Deduct	-120.27	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0146	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL).....	713.58	193.24
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-35.68	
			<i>For >100 To 250, Deduct</i>	-53.52	
			<i>For >250 To 500, Deduct</i>	-79.54	
			<i>For >500 To 1000, Deduct</i>	-105.55	
			<i>For >1000, Deduct</i>	-131.57	
26 56	19 00-0147	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL).....	1,065.88	208.80
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-53.29	
			<i>For >100 To 250, Deduct</i>	-79.94	
			<i>For >250 To 500, Deduct</i>	-122.79	
			<i>For >500 To 1000, Deduct</i>	-165.65	
			<i>For >1000, Deduct</i>	-208.50	
26 56	19 00-0148	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL).....	1,370.61	215.35
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-68.53	
			<i>For >100 To 250, Deduct</i>	-102.80	
			<i>For >250 To 500, Deduct</i>	-160.56	
			<i>For >500 To 1000, Deduct</i>	-218.32	
			<i>For >1000, Deduct</i>	-276.08	
26 56	19 00-0149	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL).....	1,230.36	216.17
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-61.52	
			<i>For >100 To 250, Deduct</i>	-92.28	
			<i>For >250 To 500, Deduct</i>	-142.99	
			<i>For >500 To 1000, Deduct</i>	-193.70	
			<i>For >1000, Deduct</i>	-244.41	
26 56	19 00-0150	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY).....	626.90	188.33
			<i>For Twist Lock Shorting Cap, Add</i>	9.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	28.15	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-31.35	
			<i>For >100 To 250, Deduct</i>	-47.02	
			<i>For >250 To 500, Deduct</i>	-68.95	
			<i>For >500 To 1000, Deduct</i>	-90.87	
			<i>For >1000, Deduct</i>	-112.80	
26 56	19 00-0151		LED, Area Fixtures <small>(26 56 19)</small>		
26 56	19 00-0152		Pole Mount, LED Area Fixtures <small>(26 56 19 00-0151)</small>		
26 56	19 00-0153		Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) <small>(26 56 19 00-0152)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56	19 00-0154	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,537.71	139.20
			<i>For >50 To 100, Deduct</i>	-126.89	
			<i>For >100 To 250, Deduct</i>	-190.33	
			<i>For >250 To 500, Deduct</i>	-310.25	
			<i>For >500 To 1000, Deduct</i>	-430.18	
			<i>For >1000, Deduct</i>	-550.10	
26 56	19 00-0155	EA	40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,734.83	147.39
			<i>For >50 To 100, Deduct</i>	-136.74	
			<i>For >100 To 250, Deduct</i>	-205.11	
			<i>For >250 To 500, Deduct</i>	-334.48	
			<i>For >500 To 1000, Deduct</i>	-463.86	
			<i>For >1000, Deduct</i>	-593.23	
26 56	19 00-0156	EA	80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,948.32	163.77
			<i>For >50 To 100, Deduct</i>	-147.42	
			<i>For >100 To 250, Deduct</i>	-221.12	
			<i>For >250 To 500, Deduct</i>	-360.35	
			<i>For >500 To 1000, Deduct</i>	-499.58	
			<i>For >1000, Deduct</i>	-638.81	
26 56	19 00-0157	EA	100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,964.70	171.96
			<i>For >50 To 100, Deduct</i>	-148.24	
			<i>For >100 To 250, Deduct</i>	-222.35	
			<i>For >250 To 500, Deduct</i>	-361.99	
			<i>For >500 To 1000, Deduct</i>	-501.63	
			<i>For >1000, Deduct</i>	-641.26	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



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

26 56 19 00-0158			Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) <small>(26 56 19 00-0152)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0159	EA		40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,166.02	147.39
			<i>For Backlight Shielding, Add</i>	19.93	
			<i>For Type II Medium Optic, Add</i>	38.67	
			<i>For 480 Volt, Add</i>	103.70	
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-58.30	
			<i>For >100 To 250, Deduct</i>	-87.45	
			<i>For >250 To 500, Deduct</i>	-138.38	
			<i>For >500 To 1000, Deduct</i>	-189.31	
			<i>For >1000, Deduct</i>	-240.25	
26 56 19 00-0160	EA		60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,391.66	155.58
			<i>For Backlight Shielding, Add</i>	19.93	
			<i>For Type II Medium Optic, Add</i>	39.49	
			<i>For 480 Volt, Add</i>	103.70	
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-69.58	
			<i>For >100 To 250, Deduct</i>	-104.37	
			<i>For >250 To 500, Deduct</i>	-166.18	
			<i>For >500 To 1000, Deduct</i>	-227.98	
			<i>For >1000, Deduct</i>	-289.79	
26 56 19 00-0161	EA		80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,701.29	163.77
			<i>For Backlight Shielding, Add</i>	19.93	
			<i>For Type II Medium Optic, Add</i>	40.31	
			<i>For 480 Volt, Add</i>	103.70	
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-85.06	
			<i>For >100 To 250, Deduct</i>	-127.60	
			<i>For >250 To 500, Deduct</i>	-204.47	
			<i>For >500 To 1000, Deduct</i>	-281.35	
			<i>For >1000, Deduct</i>	-358.23	
26 56 19 00-0162	EA		100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,926.94	171.96
			<i>For Backlight Shielding, Add</i>	19.93	
			<i>For Type II Medium Optic, Add</i>	41.13	
			<i>For 480 Volt, Add</i>	103.70	
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-96.35	
			<i>For >100 To 250, Deduct</i>	-144.52	
			<i>For >250 To 500, Deduct</i>	-232.27	
			<i>For >500 To 1000, Deduct</i>	-320.02	
			<i>For >1000, Deduct</i>	-407.77	
26 56 19 00-0163	EA		120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,152.59	180.14
			<i>For Backlight Shielding, Add</i>	19.93	
			<i>For Type II Medium Optic, Add</i>	41.94	
			<i>For 480 Volt, Add</i>	103.70	
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-107.63	
			<i>For >100 To 250, Deduct</i>	-161.44	
			<i>For >250 To 500, Deduct</i>	-260.07	
			<i>For >500 To 1000, Deduct</i>	-358.69	
			<i>For >1000, Deduct</i>	-457.31	
26 56 19 00-0164	EA		140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,445.14	188.33
			<i>For Backlight Shielding, Add</i>	19.93	
			<i>For Type II Medium Optic, Add</i>	42.76	
			<i>For 480 Volt, Add</i>	103.70	
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-122.26	
			<i>For >100 To 250, Deduct</i>	-183.39	
			<i>For >250 To 500, Deduct</i>	-296.23	
			<i>For >500 To 1000, Deduct</i>	-409.07	
			<i>For >1000, Deduct</i>	-521.91	
26 56 19 00-0165	EA		160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,670.78	196.52
			<i>For Backlight Shielding, Add</i>	19.93	
			<i>For Type II Medium Optic, Add</i>	43.58	
			<i>For 480 Volt, Add</i>	103.70	
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-133.54	
			<i>For >100 To 250, Deduct</i>	-200.31	
			<i>For >250 To 500, Deduct</i>	-324.02	
			<i>For >500 To 1000, Deduct</i>	-447.73	
			<i>For >1000, Deduct</i>	-571.45	

26 56 19 00-0166			Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) <small>(26 56 19 00-0152)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
------------------	--	--	---	--	--



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0167	EA		120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	1,998.07	180.14
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For Bird Spikes, Add</i>	44.46	
			<i>For 5,000K Color Temperature, Add</i>	41.98	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For 480 Volt, Add</i>	75.56	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For 1,000mA Driver, Add</i>	141.05	
			<i>For >50 To 100, Deduct</i>	-99.90	
			<i>For >100 To 250, Deduct</i>	-149.86	
			<i>For >250 To 500, Deduct</i>	-240.75	
			<i>For >500 To 1000, Deduct</i>	-331.65	
			<i>For >1000, Deduct</i>	-422.54	
26 56 19 00-0168	EA		240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	3,314.04	221.08
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.78	
			<i>For 5,000K Color Temperature, Add</i>	41.98	
			<i>For Fuse, Add</i>	50.37	
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For Bird Spikes, Add</i>	64.43	
			<i>For Multi-Level, Add</i>	109.13	
			<i>For 1,000mA Driver, Add</i>	141.04	
			<i>For 480 Volt, Add</i>	151.10	
			<i>For >50 To 100, Deduct</i>	-165.70	
			<i>For >100 To 250, Deduct</i>	-248.55	
			<i>For >250 To 500, Deduct</i>	-403.20	
			<i>For >500 To 1000, Deduct</i>	-557.85	
			<i>For >1000, Deduct</i>	-712.50	
26 56 19 00-0169			Wall Mount, LED Area Fixtures (26 56 19 00-0151)		
26 56 19 00-0170			Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) (26 56 19 00-0169) Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0171	EA		20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	1,147.79	139.20
			<i>For >50 To 100, Deduct</i>	-57.39	
			<i>For >100 To 250, Deduct</i>	-86.08	
			<i>For >250 To 500, Deduct</i>	-136.51	
			<i>For >500 To 1000, Deduct</i>	-186.94	
			<i>For >1000, Deduct</i>	-237.37	
26 56 19 00-0172	EA		30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	1,180.54	155.58
			<i>For >50 To 100, Deduct</i>	-59.03	
			<i>For >100 To 250, Deduct</i>	-88.54	
			<i>For >250 To 500, Deduct</i>	-139.79	
			<i>For >500 To 1000, Deduct</i>	-191.04	
			<i>For >1000, Deduct</i>	-242.28	
26 56 19 00-0173			Surface Mount, LED Parking Structure Fixtures (26 56 19 00-0151)		
26 56 19 00-0174			Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) (26 56 19 00-0173) Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0175	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,040.74	147.39
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-52.04	
			<i>For >100 To 250, Deduct</i>	-78.06	
			<i>For >250 To 500, Deduct</i>	-122.72	
			<i>For >500 To 1000, Deduct</i>	-167.39	
			<i>For >1000, Deduct</i>	-212.06	
26 56 19 00-0176	EA		60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,266.39	155.58
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-63.32	
			<i>For >100 To 250, Deduct</i>	-94.98	
			<i>For >250 To 500, Deduct</i>	-150.52	
			<i>For >500 To 1000, Deduct</i>	-206.06	
			<i>For >1000, Deduct</i>	-261.60	
26 56 19 00-0177	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,492.03	163.77
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-74.60	
			<i>For >100 To 250, Deduct</i>	-111.90	
			<i>For >250 To 500, Deduct</i>	-178.32	
			<i>For >500 To 1000, Deduct</i>	-244.73	
			<i>For >1000, Deduct</i>	-311.14	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0178 EA 100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,717.67	171.96
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-85.88	
For >100 To 250, Deduct	-128.83	
For >250 To 500, Deduct	-206.11	
For >500 To 1000, Deduct	-283.40	
For >1000, Deduct	-360.68	
26 56 19 00-0179 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) <small>(26 56 19 00-0173)</small>		
Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0180 EA 40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,006.58	147.39
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-50.33	
For >100 To 250, Deduct	-75.49	
For >250 To 500, Deduct	-118.45	
For >500 To 1000, Deduct	-161.41	
For >1000, Deduct	-204.37	
26 56 19 00-0181 EA 60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,106.95	155.58
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-55.35	
For >100 To 250, Deduct	-83.02	
For >250 To 500, Deduct	-130.59	
For >500 To 1000, Deduct	-178.16	
For >1000, Deduct	-225.73	
26 56 19 00-0182 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) <small>(26 56 19 00-0173)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0183 EA 3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	1,024.13	147.39
For >50 To 100, Deduct	-51.21	
For >100 To 250, Deduct	-76.81	
For >250 To 500, Deduct	-120.65	
For >500 To 1000, Deduct	-164.48	
For >1000, Deduct	-208.32	
26 56 19 00-0184 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <small>(26 56 19 00-0173)</small>		
Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 19 00-0185 EA 70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,983.85	155.58
For >50 To 100, Deduct	-99.19	
For >100 To 250, Deduct	-148.79	
For >250 To 500, Deduct	-240.20	
For >500 To 1000, Deduct	-331.62	
For >1000, Deduct	-423.03	
26 56 19 00-0186 EA 110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	2,016.60	171.96
For >50 To 100, Deduct	-100.83	
For >100 To 250, Deduct	-151.25	
For >250 To 500, Deduct	-243.48	
For >500 To 1000, Deduct	-335.71	
For >1000, Deduct	-427.94	
26 56 19 00-0187 Surface Mount, LED Canopy Fixtures <small>(26 56 19 00-0151)</small>		
26 56 19 00-0188 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) <small>(26 56 19 00-0187)</small>		
Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0189 EA 40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,191.64	147.39
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-59.58	
For >100 To 250, Deduct	-89.37	
For >250 To 500, Deduct	-141.59	
For >500 To 1000, Deduct	-193.80	
For >1000, Deduct	-246.01	
26 56 19 00-0190 EA 60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,417.29	155.58
For Multi-Level Drive Currents, Add	199.30	
For >50 To 100, Deduct	-70.86	
For >100 To 250, Deduct	-106.30	
For >250 To 500, Deduct	-169.38	
For >500 To 1000, Deduct	-232.47	
For >1000, Deduct	-295.55	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0191	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,642.93	163.77
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-82.15	
			<i>For >100 To 250, Deduct</i>	-123.22	
			<i>For >250 To 500, Deduct</i>	-197.18	
			<i>For >500 To 1000, Deduct</i>	-271.14	
			<i>For >1000, Deduct</i>	-345.09	
26 56 19 00-0192	EA		100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,868.57	171.96
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-93.43	
			<i>For >100 To 250, Deduct</i>	-140.14	
			<i>For >250 To 500, Deduct</i>	-224.97	
			<i>For >500 To 1000, Deduct</i>	-309.80	
			<i>For >1000, Deduct</i>	-394.64	
26 56 19 00-0193	EA		120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,094.22	180.14
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-104.71	
			<i>For >100 To 250, Deduct</i>	-157.07	
			<i>For >250 To 500, Deduct</i>	-252.77	
			<i>For >500 To 1000, Deduct</i>	-348.47	
			<i>For >1000, Deduct</i>	-444.18	
26 56 19 00-0194	EA		140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,403.85	188.33
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-120.19	
			<i>For >100 To 250, Deduct</i>	-180.29	
			<i>For >250 To 500, Deduct</i>	-291.06	
			<i>For >500 To 1000, Deduct</i>	-401.84	
			<i>For >1000, Deduct</i>	-512.62	
26 56 19 00-0195	EA		160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,629.50	196.52
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-131.48	
			<i>For >100 To 250, Deduct</i>	-197.21	
			<i>For >250 To 500, Deduct</i>	-318.86	
			<i>For >500 To 1000, Deduct</i>	-440.51	
			<i>For >1000, Deduct</i>	-562.16	
26 56 19 00-0196	EA		200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,080.79	212.90
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-154.04	
			<i>For >100 To 250, Deduct</i>	-231.06	
			<i>For >250 To 500, Deduct</i>	-374.45	
			<i>For >500 To 1000, Deduct</i>	-517.85	
			<i>For >1000, Deduct</i>	-661.24	
26 56 19 00-0197	EA		240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,515.70	221.08
			<i>For Multi-Level Drive Currents, Add</i>	199.30	
			<i>For >50 To 100, Deduct</i>	-175.79	
			<i>For >100 To 250, Deduct</i>	-263.68	
			<i>For >250 To 500, Deduct</i>	-428.41	
			<i>For >500 To 1000, Deduct</i>	-593.14	
			<i>For >1000, Deduct</i>	-757.87	
26 56 19 00-0198			Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) <small>(26 56 19 00-0197)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0199	EA		8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250).....	864.22	163.77
			<i>For >50 To 100, Deduct</i>	-43.21	
			<i>For >100 To 250, Deduct</i>	-64.82	
			<i>For >250 To 500, Deduct</i>	-99.84	
			<i>For >500 To 1000, Deduct</i>	-134.86	
			<i>For >1000, Deduct</i>	-169.88	
26 56 19 00-0200			Recessed Mount, LED Soffit Fixtures <small>(26 56 19 00-0151)</small>		
26 56 19 00-0201			Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) <small>(26 56 19 00-0200)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0202	EA		40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	1,023.66	147.39
			<i>For >50 To 100, Deduct</i>	-51.18	
			<i>For >100 To 250, Deduct</i>	-76.77	
			<i>For >250 To 500, Deduct</i>	-120.59	
			<i>For >500 To 1000, Deduct</i>	-164.40	
			<i>For >1000, Deduct</i>	-208.22	
26 56 19 00-0203	EA		60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	1,124.03	155.58
			<i>For >50 To 100, Deduct</i>	-56.20	
			<i>For >100 To 250, Deduct</i>	-84.30	
			<i>For >250 To 500, Deduct</i>	-132.72	
			<i>For >500 To 1000, Deduct</i>	-181.15	
			<i>For >1000, Deduct</i>	-229.57	
26 56 19 00-0204			Surface Mount, LED Area Fixtures <small>(26 56 19 00-0151)</small>		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0205			Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) <small>(26 56 19 00-0204)</small> Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0206	EA		50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	690.35	147.39
			<i>For >50 To 100, Deduct</i>	-34.52	
			<i>For >100 To 250, Deduct</i>	-51.78	
			<i>For >250 To 500, Deduct</i>	-78.92	
			<i>For >500 To 1000, Deduct</i>	-106.07	
			<i>For >1000, Deduct</i>	-133.22	
26 56 19 00-0207	EA		50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,458.48	147.39
			<i>For >50 To 100, Deduct</i>	-72.92	
			<i>For >100 To 250, Deduct</i>	-109.39	
			<i>For >250 To 500, Deduct</i>	-174.94	
			<i>For >500 To 1000, Deduct</i>	-240.50	
			<i>For >1000, Deduct</i>	-306.05	
26 56 19 00-0208	EA		68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,227.98	163.77
			<i>For >50 To 100, Deduct</i>	-61.40	
			<i>For >100 To 250, Deduct</i>	-92.10	
			<i>For >250 To 500, Deduct</i>	-145.31	
			<i>For >500 To 1000, Deduct</i>	-198.52	
			<i>For >1000, Deduct</i>	-251.73	
26 56 19 00-0209	EA		68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,505.85	163.77
			<i>For >50 To 100, Deduct</i>	-75.29	
			<i>For >100 To 250, Deduct</i>	-112.94	
			<i>For >250 To 500, Deduct</i>	-180.04	
			<i>For >500 To 1000, Deduct</i>	-247.15	
			<i>For >1000, Deduct</i>	-314.25	
26 56 19 00-0210			Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) <small>(26 56 19 00-0204)</small> Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0211	EA		13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	222.17	53.25
			<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
			<i>For >50 To 100, Deduct</i>	-11.11	
			<i>For >100 To 250, Deduct</i>	-16.66	
			<i>For >250 To 500, Deduct</i>	-25.55	
			<i>For >500 To 1000, Deduct</i>	-34.44	
			<i>For >1000, Deduct</i>	-43.33	
26 56 19 00-0212	EA		20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	250.47	53.25
			<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
			<i>For >50 To 100, Deduct</i>	-12.52	
			<i>For >100 To 250, Deduct</i>	-18.79	
			<i>For >250 To 500, Deduct</i>	-29.09	
			<i>For >500 To 1000, Deduct</i>	-39.40	
			<i>For >1000, Deduct</i>	-49.70	
26 56 19 00-0213	EA		30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	304.38	53.25
			<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
			<i>For >50 To 100, Deduct</i>	-15.22	
			<i>For >100 To 250, Deduct</i>	-22.83	
			<i>For >250 To 500, Deduct</i>	-35.83	
			<i>For >500 To 1000, Deduct</i>	-48.83	
			<i>For >1000, Deduct</i>	-61.83	
26 56 19 00-0214			Surface Mount, LED Facade Fixtures <small>(26 56 19 00-0151)</small>		
26 56 19 00-0215			Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) <small>(26 56 19 00-0214)</small>		
26 56 19 00-0216	EA		12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	750.39	62.17
			<i>For >50 To 100, Deduct</i>	-37.52	
			<i>For >100 To 250, Deduct</i>	-56.28	
			<i>For >250 To 500, Deduct</i>	-91.43	
			<i>For >500 To 1000, Deduct</i>	-126.59	
			<i>For >1000, Deduct</i>	-161.74	
26 56 19 00-0217	EA		24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,209.85	56.76
			<i>For >50 To 100, Deduct</i>	-60.49	
			<i>For >100 To 250, Deduct</i>	-90.74	
			<i>For >250 To 500, Deduct</i>	-149.20	
			<i>For >500 To 1000, Deduct</i>	-207.67	
			<i>For >1000, Deduct</i>	-266.13	
26 56 19 00-0218	EA		36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,538.75	47.30
			<i>For >50 To 100, Deduct</i>	-76.94	
			<i>For >100 To 250, Deduct</i>	-115.41	
			<i>For >250 To 500, Deduct</i>	-190.65	
			<i>For >500 To 1000, Deduct</i>	-265.90	
			<i>For >1000, Deduct</i>	-341.15	
26 56 19 00-0219	EA		48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,867.63	37.84
			<i>For >50 To 100, Deduct</i>	-93.38	
			<i>For >100 To 250, Deduct</i>	-140.07	
			<i>For >250 To 500, Deduct</i>	-232.10	
			<i>For >500 To 1000, Deduct</i>	-324.13	
			<i>For >1000, Deduct</i>	-416.16	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0220 Post Top, LED Area Fixtures <small>(26 56 19 00-0151)</small>		
26 56 19 00-0221 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) <small>(26 56 19 00-0220)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0222 EA 1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	2,133.35	225.18
For >50 To 100, Deduct	-106.67	
For >100 To 250, Deduct	-160.00	
For >250 To 500, Deduct	-255.41	
For >500 To 1000, Deduct	-350.82	
For >1000, Deduct	-446.23	
26 56 19 00-0223 EA 3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	2,348.09	225.18
For >50 To 100, Deduct	-117.40	
For >100 To 250, Deduct	-176.11	
For >250 To 500, Deduct	-282.25	
For >500 To 1000, Deduct	-388.40	
For >1000, Deduct	-494.54	
26 56 19 00-0224 EA 77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	2,517.84	225.18
For >50 To 100, Deduct	-125.89	
For >100 To 250, Deduct	-188.84	
For >250 To 500, Deduct	-303.47	
For >500 To 1000, Deduct	-418.10	
For >1000, Deduct	-532.74	
26 56 19 00-0225 Post Top, LED Area Fixtures (General Electric EPAS) <small>(26 56 19 00-0220)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0226 EA 3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3).....	2,501.58	225.18
For >50 To 100, Deduct	-125.08	
For >100 To 250, Deduct	-187.62	
For >250 To 500, Deduct	-301.44	
For >500 To 1000, Deduct	-415.26	
For >1000, Deduct	-529.08	
26 56 19 00-0227 EA 6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3).....	2,556.75	225.18
For >50 To 100, Deduct	-127.84	
For >100 To 250, Deduct	-191.76	
For >250 To 500, Deduct	-308.33	
For >500 To 1000, Deduct	-424.91	
For >1000, Deduct	-541.49	
26 56 19 00-0228 Post Top, LED Area Fixtures (General Electric EPTC) <small>(26 56 19 00-0220)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0229 EA 3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3).....	1,754.60	225.18
For >50 To 100, Deduct	-87.73	
For >100 To 250, Deduct	-131.60	
For >250 To 500, Deduct	-208.07	
For >500 To 1000, Deduct	-284.54	
For >1000, Deduct	-361.01	
26 56 19 00-0230 EA 6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3).....	1,837.17	225.18
For >50 To 100, Deduct	-91.86	
For >100 To 250, Deduct	-137.79	
For >250 To 500, Deduct	-218.39	
For >500 To 1000, Deduct	-298.99	
For >1000, Deduct	-379.59	
26 56 19 00-0231 Post Top, LED Area Fixtures (General Electric EPST) <small>(26 56 19 00-0220)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0232 EA 3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3).....	1,379.28	225.18
For >50 To 100, Deduct	-68.96	
For >100 To 250, Deduct	-103.45	
For >250 To 500, Deduct	-161.15	
For >500 To 1000, Deduct	-218.86	
For >1000, Deduct	-276.56	
26 56 19 00-0233 EA 6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3).....	1,461.85	225.18
For >50 To 100, Deduct	-73.09	
For >100 To 250, Deduct	-109.64	
For >250 To 500, Deduct	-171.47	
For >500 To 1000, Deduct	-233.31	
For >1000, Deduct	-295.14	
26 56 19 00-0234 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 19 00-0220)</small> Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0235	EA		13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	2,619.91	225.18
			<i>For >50 To 100, Deduct</i>	-131.00	
			<i>For >100 To 250, Deduct</i>	-196.49	
			<i>For >250 To 500, Deduct</i>	-316.23	
			<i>For >500 To 1000, Deduct</i>	-435.97	
			<i>For >1000, Deduct</i>	-555.70	
26 56 19 00-0236			LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) <small>(26 56 19 00-0220)</small>		
			Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 56 19 00-0237	EA		LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53).....	765.73	122.82
			<i>For 0 To 10 Volt Dimming, Add</i>	50.37	
			<i>For >50 To 100, Deduct</i>	-38.29	
			<i>For >100 To 250, Deduct</i>	-57.43	
			<i>For >250 To 500, Deduct</i>	-89.58	
			<i>For >500 To 1000, Deduct</i>	-121.72	
			<i>For >1000, Deduct</i>	-153.87	
26 56 19 00-0238			LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <small>(26 56 19 00-0220)</small>		
			Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 56 19 00-0239	EA		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	464.45	26.20
			<i>For Backlight Control Shield, Add</i>	35.21	
			<i>For >50 To 100, Deduct</i>	-23.22	
			<i>For >100 To 250, Deduct</i>	-34.83	
			<i>For >250 To 500, Deduct</i>	-55.44	
			<i>For >500 To 1000, Deduct</i>	-76.04	
			<i>For >1000, Deduct</i>	-96.64	
26 56 19 00-0240			Surface Mount, LED Strip Fixtures (Sylvania) <small>(26 56 19 00-0151)</small>		
26 56 19 00-0241	EA		4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D).....	520.58	49.46
			<i>For >50 To 100, Deduct</i>	-26.03	
			<i>For >100 To 250, Deduct</i>	-39.04	
			<i>For >250 To 500, Deduct</i>	-63.21	
			<i>For >500 To 1000, Deduct</i>	-87.39	
			<i>For >1000, Deduct</i>	-111.56	
26 56 21			HID Exterior Lighting <small>(26 56)</small>		
26 56 21 00-0001			High Mast Fixtures <small>(26 56 21)</small>		
26 56 21 00-0002			Metal Halide, High Mast Fixtures <small>(26 56 21 00-0001)</small>		
26 56 21 00-0003	EA		400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,887.83	202.80
26 56 21 00-0004	EA		400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,013.58	202.80
26 56 21 00-0005	EA		750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,005.22	231.68
26 56 21 00-0006	EA		750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,080.67	231.68
26 56 21 00-0007	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,120.18	289.60
26 56 21 00-0008	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,195.62	289.60
26 56 21 00-0009			High Pressure Sodium, High Mast Fixtures <small>(26 56 21 00-0001)</small>		
26 56 21 00-0010	EA		400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,947.96	202.80
26 56 21 00-0011	EA		400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	2,023.41	202.80
26 56 21 00-0012	EA		600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,350.05	214.38
26 56 21 00-0013	EA		750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,410.94	231.68
26 56 21 00-0014	EA		1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,563.61	289.60
26 56 21 00-0015			HID, Pole Mounted <small>(26 56 21)</small>		
26 56 21 00-0016			Metal Halide, Pole Mounted <small>(26 56 21 00-0015)</small>		
26 56 21 00-0017	EA		175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	719.35	330.68
26 56 21 00-0018	EA		250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	803.00	358.95
26 56 21 00-0019	EA		400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	922.53	386.13
26 56 21 00-0020	EA		1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,196.53	452.55
26 56 21 00-0021			High Pressure Sodium, Pole Mounted <small>(26 56 21 00-0015)</small>		
26 56 21 00-0022	EA		100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	871.15	386.13
26 56 21 00-0023	EA		150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	894.58	386.13
26 56 21 00-0024	EA		175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	935.06	386.13
26 56 21 00-0025	EA		250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,036.72	386.13
26 56 21 00-0026	EA		400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,197.83	386.13
26 56 21 00-0027	EA		1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,164.83	386.13



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0028 Low Pressure Sodium, Pole Mounted <small>(26 56 21 00-0015)</small>		
26 56 21 00-0029 EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	732.85	210.06
26 56 21 00-0030 EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	845.39	308.90
26 56 21 00-0031 EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	966.66	308.90
26 56 21 00-0032 Metal Halide, Area Fixtures <small>(26 56 21)</small>		
26 56 21 00-0033 Metal Halide, Pole Mount, Area Fixtures <small>(26 56 21 00-0032)</small>		
Note: Includes pulse start ballast.		
26 56 21 00-0034 EA 150 Watt, Metal Halide Area Fixture, Pole Mount	1,185.81	203.94
26 56 21 00-0035 EA 175 Watt, Metal Halide Area Fixture, Pole Mount	1,301.46	224.33
26 56 21 00-0036 EA 250 Watt, Metal Halide Area Fixture, Pole Mount	1,438.25	244.74
26 56 21 00-0037 EA 400 Watt, Metal Halide Area Fixture, Pole Mount	1,529.34	285.52
26 56 21 00-0038 High Pressure Sodium, Area Fixtures <small>(26 56 21)</small>		
26 56 21 00-0039 Pole Mount, High Pressure Sodium Area Fixtures <small>(26 56 21 00-0038)</small>		
26 56 21 00-0040 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount	983.20	163.15
26 56 21 00-0041 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,078.18	203.94
26 56 21 00-0042 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,176.72	244.74
26 56 21 00-0043 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,249.08	285.52
26 56 21 00-0044 Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21)</small>		
26 56 21 00-0045 Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21 00-0044)</small>		
26 56 21 00-0046 EA 175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	685.34	308.90
26 56 21 00-0047 EA 250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	771.00	347.52
26 56 21 00-0048 EA 400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	905.29	386.13
26 56 21 00-0049 EA 1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,180.50	452.55
26 56 21 00-0050 High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21 00-0044)</small>		
26 56 21 00-0051 EA 70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	642.23	264.12
26 56 21 00-0052 EA 100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	693.86	281.10
26 56 21 00-0053 EA 150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	744.69	296.55
26 56 21 00-0054 EA 175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	770.65	308.90
26 56 21 00-0055 EA 250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	850.76	347.52
26 56 21 00-0056 EA 400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	917.21	386.13
26 56 21 00-0057 EA 1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,279.13	452.55
26 56 21 00-0058 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21)</small>		
26 56 21 00-0059 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21 00-0058)</small>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060 EA 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	756.60	208.51
26 56 21 00-0061 EA 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	791.22	231.68
26 56 21 00-0062 EA 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	853.03	264.12
26 56 21 00-0063 EA 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	880.10	281.10
26 56 21 00-0064 EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	908.10	296.55
26 56 21 00-0065 EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	950.52	308.90
26 56 21 00-0066 EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,039.38	347.52
26 56 21 00-0067 EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,241.64	386.13
26 56 21 00-0068 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21 00-0058)</small>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	834.79	231.68
26 56 21 00-0070 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	889.69	264.12
26 56 21 00-0071 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	923.58	281.10
26 56 21 00-0072 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	964.43	296.55
26 56 21 00-0073 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	987.00	308.90
26 56 21 00-0074 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,077.53	347.52
26 56 21 00-0075 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,344.17	386.13
26 56 21 00-0076 Wall Packs <small>(26 56 21)</small>		
26 56 21 00-0077 Non Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 21 00-0076)</small>		
Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0078 EA 13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	398.51	73.95
26 56 21 00-0079 EA 50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	424.47	73.95
26 56 21 00-0080 EA 35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	424.47	73.95
26 56 21 00-0081 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	550.30	73.95
26 56 21 00-0082 Semi Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 21 00-0076)</small>		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0083 EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	753.42	73.95
26 56 21 00-0084 EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	762.75	73.95
26 56 21 00-0085 EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	770.83	73.95
26 56 21 00-0086 EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	756.10	73.95
26 56 21 00-0087 EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	695.54	73.95
26 56 21 00-0088 EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	662.28	73.95
26 56 21 00-0089 Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 21 00-0076)</small>		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0090 EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	791.73	73.95
26 56 21 00-0091 EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	800.24	73.95
26 56 21 00-0092 EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	785.53	73.95
26 56 21 00-0093 EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	797.37	73.95
26 56 21 00-0094 EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	797.37	73.95
26 56 21 00-0095 Non Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 21 00-0076)</small>		
Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096 EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	767.84	98.50
26 56 21 00-0097 EA 100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	767.84	98.50
26 56 21 00-0098 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	722.27	98.50
26 56 21 00-0099 EA 70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	739.74	98.50
26 56 21 00-0100 EA 100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	739.74	98.50
26 56 21 00-0101 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	689.20	98.50
26 56 21 00-0102 Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 21 00-0076)</small>		
Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103 EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	794.85	98.50
26 56 21 00-0104 EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	794.85	98.50
26 56 21 00-0105 EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	794.85	98.50
26 56 21 00-0106 EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	768.04	98.50
26 56 21 00-0107 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	768.04	98.50
26 56 21 00-0108 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	768.04	98.50
26 56 21 00-0109 Full Cutoff, Tempered Glass Lens, Small Wall Packs <small>(26 56 21 00-0076)</small>		
Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0110 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack.....	1,012.99	98.50
26 56 21 00-0111 Cutoff, Borosilicate Glass Lens, Medium Wall Packs <small>(26 56 21 00-0076)</small>		
Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0112 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	967.19	122.02
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0113 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	1,028.98	122.02
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0114 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	1,102.64	122.02
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0115 EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	1,122.91	122.02
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0116 Cutoff, Tempered Glass Lens, Medium Wall Packs <small>(26 56 21 00-0076)</small>		
Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0117 EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack.....	1,046.66	122.02
26 56 21 00-0118 EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack.....	1,116.08	122.02
26 56 21 00-0119 Non Cutoff, Polycarbonate Lens, Large Wall Packs <small>(26 56 21 00-0076)</small>		
Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0120 EA 100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	982.88	147.91
26 56 21 00-0121 EA 175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	909.35	147.91
26 56 21 00-0122 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	965.86	147.91
26 56 21 00-0123 EA 100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	971.49	147.91
26 56 21 00-0124 EA 150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	977.39	147.91
26 56 21 00-0125 Non Cutoff, Borosilicate Glass Lens, Large Wall Packs <small>(26 56 21 00-0076)</small>		
Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0126 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	982.90	147.91
26 56 21 00-0127 EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	1,007.43	147.91



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0128 EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,080.96	147.91
26 56 21 00-0129 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,031.95	147.91
26 56 21 00-0130 EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,056.48	147.91
26 56 21 00-0131 EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,105.45	147.91
26 56 21 00-0132 Semi Cutoff, Induction Wall Packs (26 56 21 00-0076)		
26 56 21 00-0133 Semi Cutoff, Induction Wall Packs (Everlast®) (26 56 21 00-0132)		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0134 EA 70 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	1,217.68	139.20
26 56 21 00-0135 EA 80 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	1,244.51	147.39
26 56 21 00-0136 EA 100 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	1,271.36	155.58
26 56 21 00-0137 EA 120 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	1,413.31	163.77
26 56 21 00-0138 Non Cutoff, Polycarbonate Lens, Small Wall Packs (26 56 21 00-0076)		
26 56 21 00-0139 EA 15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPK1N/015UNV740/NC/BZ/P)	410.13	73.95
26 56 21 00-0140 Induction, Roadway Lighting (26 56 21)		
26 56 21 00-0141 Induction Roadway Lighting (US Lighting Tech) (26 56 21 00-0140)		
Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 21 00-0142 EA 40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	737.50	245.65
26 56 21 00-0143 EA 70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	802.15	253.84
26 56 21 00-0144 EA 100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	834.90	270.22
26 56 21 00-0145 EA 150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	867.65	286.59
26 56 21 00-0146 EA 200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	995.06	294.78
26 56 21 00-0147 EA 250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	1,015.30	302.96
26 56 21 00-0148 EA 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	696.95	245.65
26 56 21 00-0149 EA 70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	767.39	253.84
26 56 21 00-0150 EA 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	800.14	270.22
26 56 21 00-0151 EA 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	832.89	286.59
26 56 21 00-0152 Induction, Area Fixtures (26 56 21)		
26 56 21 00-0153 Post Top, Induction Area Fixtures (26 56 21 00-0152)		
26 56 21 00-0154 Post Top, Induction Area Fixtures (US Lighting Tech) (26 56 21 00-0153)		
Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0155 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	798.90	225.18
26 56 21 00-0156 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	854.89	225.18
26 56 21 00-0157 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	854.89	225.18
26 56 21 00-0158 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	854.89	225.18
26 56 21 00-0159 Surface Mount, Induction Parking Structure Fixtures (26 56 21 00-0152)		
26 56 21 00-0160 Surface Mount, Induction Parking Structure Fixtures (Everlast®) (26 56 21 00-0159)		
26 56 21 00-0161 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	725.76	204.71
26 56 21 00-0162 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	766.79	208.80
26 56 21 00-0163 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	778.83	212.90
26 56 21 00-0164 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	790.88	216.99
26 56 21 00-0165 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	802.93	221.08
26 56 21 00-0166 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	818.84	225.18
26 56 21 00-0167 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	834.82	212.90
26 56 21 00-0168 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	846.88	216.99
26 56 21 00-0169 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	858.93	221.08
26 56 21 00-0170 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	891.26	225.18
26 56 21 00-0171 Pole Mount, Induction Area Fixtures (26 56 21 00-0152)		
26 56 21 00-0172 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) (26 56 21 00-0171)		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0173 EA 70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	1,270.00	139.20
26 56 21 00-0174 EA 80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	1,307.30	147.39
26 56 21 00-0175 EA 100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	1,344.61	155.58

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



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

END OF SECTION 26



Utilities	33	CS	
Operation and Maintenance of Utilities			33 01
Operation and Maintenance of Water Utilities			33 01 10

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

33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities ⁽³³⁾

33 01 10 Operation and Maintenance of Water Utilities ^(33 01)

33 01 10 54 Cleaning of Water Utility Piping ^(33 01 10)

See CSI section 33 01 30 41-0012 for cleaning of water lines.

33 01 10 58 Disinfection of Water Utility Piping Systems ^(33 01 10)

33 01 10 58-0001 Water Main Disinfection/Sterilization ^(33 01 10 58)

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method.....	996.05
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	498.03
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.37
		<i>For >250 To 500, Deduct</i>	-0.02
		<i>For >500 To 1,000, Deduct</i>	-0.04
		<i>For >1,000 To 2,000, Deduct</i>	-0.06
		<i>For >2,000 To 5,000, Deduct</i>	-0.07
		<i>For >5,000, Deduct</i>	-0.09
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.57
		<i>For >250 To 500, Deduct</i>	-0.03
		<i>For >500 To 1,000, Deduct</i>	-0.06
		<i>For >1,000 To 2,000, Deduct</i>	-0.09
		<i>For >2,000 To 5,000, Deduct</i>	-0.11
		<i>For >5,000, Deduct</i>	-0.14
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.75
		<i>For >250 To 500, Deduct</i>	-0.04
		<i>For >500 To 1,000, Deduct</i>	-0.08
		<i>For >1,000 To 2,000, Deduct</i>	-0.11
		<i>For >2,000 To 5,000, Deduct</i>	-0.15
		<i>For >5,000, Deduct</i>	-0.19
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.87
		<i>For >250 To 500, Deduct</i>	-0.04
		<i>For >500 To 1,000, Deduct</i>	-0.09
		<i>For >1,000 To 2,000, Deduct</i>	-0.13
		<i>For >2,000 To 5,000, Deduct</i>	-0.17
		<i>For >5,000, Deduct</i>	-0.22
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	1.15
		<i>For >250 To 500, Deduct</i>	-0.06
		<i>For >500 To 1,000, Deduct</i>	-0.12
		<i>For >1,000 To 2,000, Deduct</i>	-0.17
		<i>For >2,000 To 5,000, Deduct</i>	-0.23
		<i>For >5,000, Deduct</i>	-0.29
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.30
		<i>For >250 To 500, Deduct</i>	-0.07
		<i>For >500 To 1,000, Deduct</i>	-0.13
		<i>For >1,000 To 2,000, Deduct</i>	-0.20
		<i>For >2,000 To 5,000, Deduct</i>	-0.26
		<i>For >5,000, Deduct</i>	-0.33
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.49
		<i>For >250 To 500, Deduct</i>	-0.07
		<i>For >500 To 1,000, Deduct</i>	-0.15
		<i>For >1,000 To 2,000, Deduct</i>	-0.22
		<i>For >2,000 To 5,000, Deduct</i>	-0.30
		<i>For >5,000, Deduct</i>	-0.37
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.76
		<i>For >250 To 500, Deduct</i>	-0.09
		<i>For >500 To 1,000, Deduct</i>	-0.18
		<i>For >1,000 To 2,000, Deduct</i>	-0.26
		<i>For >2,000 To 5,000, Deduct</i>	-0.35
		<i>For >5,000, Deduct</i>	-0.44
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	2.26
		<i>For >250 To 500, Deduct</i>	-0.11
		<i>For >500 To 1,000, Deduct</i>	-0.23
		<i>For >1,000 To 2,000, Deduct</i>	-0.34
		<i>For >2,000 To 5,000, Deduct</i>	-0.45
		<i>For >5,000, Deduct</i>	-0.57
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	3.32
		<i>For >250 To 500, Deduct</i>	-0.17
		<i>For >500 To 1,000, Deduct</i>	-0.33
		<i>For >1,000 To 2,000, Deduct</i>	-0.50
		<i>For >2,000 To 5,000, Deduct</i>	-0.66
		<i>For >5,000, Deduct</i>	-0.83
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization.....	4.60
		<i>For >250 To 500, Deduct</i>	-0.23
		<i>For >500 To 1,000, Deduct</i>	-0.46
		<i>For >1,000 To 2,000, Deduct</i>	-0.69
		<i>For >2,000 To 5,000, Deduct</i>	-0.92
		<i>For >5,000, Deduct</i>	-1.15

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 01 10 71 Relining Water Utilities Pipelines** (33 01 10)

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 01 10 71-0001	Relining Underground Water Pipelines	<small>(33 01 10 71)</small>	
	Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.		
33 01 10 71-0002	Relining Underground Water Pipelines Set-Up And Reinsertion	<small>(33 01 10 71-0001)</small>	
33 01 10 71-0003	EA Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines		5,579.34
33 01 10 71-0004	EA Move And Reset Up At Different Access/Location		2,231.74
33 01 10 71-0005	Lining Pipe With Cement	<small>(33 01 10 71-0001)</small>	
33 01 10 71-0006	LF Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement		74.17
	For 3/16" Thickness, Add		1.64
	For 1/4" Thickness, Add		3.28
33 01 10 71-0007	LF >500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement		66.17
	For 3/16" Thickness, Add		1.64
	For 1/4" Thickness, Add		3.28
33 01 10 71-0008	LF >1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement		55.44
	For 3/16" Thickness, Add		1.64
	For 1/4" Thickness, Add		3.28
33 01 10 71-0009	LF >5,000', 4" Pipe, 1/8" Pipe Lining With Cement		41.97
	For 3/16" Thickness, Add		1.64
	For 1/4" Thickness, Add		3.28
33 01 10 71-0010	LF Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement		77.63
	For 3/16" Thickness, Add		2.45
	For 1/4" Thickness, Add		4.90
33 01 10 71-0011	LF >500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement		69.32
	For 3/16" Thickness, Add		2.45
	For 1/4" Thickness, Add		4.90
33 01 10 71-0012	LF >1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement		58.22
	For 3/16" Thickness, Add		2.45
	For 1/4" Thickness, Add		4.90
33 01 10 71-0013	LF >5,000', 6" Pipe, 1/8" Pipe Lining With Cement		44.57
	For 3/16" Thickness, Add		2.45
	For 1/4" Thickness, Add		4.90
33 01 10 71-0014	LF Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement		80.97
	For 3/16" Thickness, Add		3.26
	For 1/4" Thickness, Add		6.52
33 01 10 71-0015	LF >500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement		72.47
	For 3/16" Thickness, Add		3.26
	For 1/4" Thickness, Add		6.52
33 01 10 71-0016	LF >1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement		61.01
	For 3/16" Thickness, Add		3.26
	For 1/4" Thickness, Add		6.52
33 01 10 71-0017	LF >5,000', 8" Pipe, 1/8" Pipe Lining With Cement		47.18
	For 3/16" Thickness, Add		3.26
	For 1/4" Thickness, Add		6.52
33 01 10 71-0018	LF Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement		83.67
	For 3/16" Thickness, Add		4.09
	For 1/4" Thickness, Add		8.18
33 01 10 71-0019	LF >500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement		75.03
	For 3/16" Thickness, Add		4.09
	For 1/4" Thickness, Add		8.18
33 01 10 71-0020	LF >1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement		63.40
	For 3/16" Thickness, Add		4.09
	For 1/4" Thickness, Add		8.18
33 01 10 71-0021	LF >5,000', 10" Pipe, 1/8" Pipe Lining With Cement		49.81
	For 3/16" Thickness, Add		4.09
	For 1/4" Thickness, Add		8.18
33 01 10 71-0022	LF Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement		90.74
	For 3/16" Thickness, Add		4.90
	For 1/4" Thickness, Add		9.80
33 01 10 71-0023	LF >500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement		81.56
	For 3/16" Thickness, Add		4.90
	For 1/4" Thickness, Add		9.80
33 01 10 71-0024	LF >1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement		69.19
	For 3/16" Thickness, Add		4.90
	For 1/4" Thickness, Add		9.80
33 01 10 71-0025	LF >5,000', 12" Pipe, 1/8" Pipe Lining With Cement		54.49
	For 3/16" Thickness, Add		4.90
	For 1/4" Thickness, Add		9.80
33 01 10 71-0026	LF Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement		99.73
	For 1/4" Thickness, Add		5.45
	For 5/16" Thickness, Add		10.90
33 01 10 71-0027	LF >500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement		90.22
	For 1/4" Thickness, Add		5.45
	For 5/16" Thickness, Add		10.90
33 01 10 71-0028	LF >1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement		77.33
	For 1/4" Thickness, Add		5.45
	For 5/16" Thickness, Add		10.90
33 01 10 71-0029	LF >5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement		63.25
	For 1/4" Thickness, Add		5.45
	For 5/16" Thickness, Add		10.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030 LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	105.44	
<i>For 1/4" Thickness, Add</i>	6.53	
<i>For 5/16" Thickness, Add</i>	13.07	
33 01 10 71-0031 LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	95.62	
<i>For 1/4" Thickness, Add</i>	6.53	
<i>For 5/16" Thickness, Add</i>	13.07	
33 01 10 71-0032 LF >1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	82.29	
<i>For 1/4" Thickness, Add</i>	6.53	
<i>For 5/16" Thickness, Add</i>	13.07	
33 01 10 71-0033 LF >5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	68.94	
<i>For 1/4" Thickness, Add</i>	6.53	
<i>For 5/16" Thickness, Add</i>	13.07	
33 01 10 71-0034 LF Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	112.25	
<i>For 1/4" Thickness, Add</i>	7.62	
<i>For 5/16" Thickness, Add</i>	15.25	
33 01 10 71-0035 LF >500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	102.10	
<i>For 1/4" Thickness, Add</i>	7.62	
<i>For 5/16" Thickness, Add</i>	15.25	
33 01 10 71-0036 LF >1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	88.13	
<i>For 1/4" Thickness, Add</i>	7.62	
<i>For 5/16" Thickness, Add</i>	15.25	
33 01 10 71-0037 LF >5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	75.64	
<i>For 1/4" Thickness, Add</i>	7.62	
<i>For 5/16" Thickness, Add</i>	15.25	
33 01 10 71-0038 LF Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement.....	119.20	
<i>For 1/4" Thickness, Add</i>	8.72	
<i>For 5/16" Thickness, Add</i>	17.43	
33 01 10 71-0039 LF >500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement.....	108.64	
<i>For 1/4" Thickness, Add</i>	8.72	
<i>For 5/16" Thickness, Add</i>	17.43	
33 01 10 71-0040 LF >1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement.....	94.23	
<i>For 1/4" Thickness, Add</i>	8.72	
<i>For 5/16" Thickness, Add</i>	17.43	
33 01 10 71-0041 LF >5,000', 24" Pipe, 3/16" Pipe Lining With Cement.....	82.59	
<i>For 1/4" Thickness, Add</i>	8.72	
<i>For 5/16" Thickness, Add</i>	17.43	
33 01 10 71-0042 LF Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement.....	129.28	
<i>For 1/4" Thickness, Add</i>	10.89	
<i>For 5/16" Thickness, Add</i>	21.78	
33 01 10 71-0043 LF >500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement.....	118.09	
<i>For 1/4" Thickness, Add</i>	10.89	
<i>For 5/16" Thickness, Add</i>	21.78	
33 01 10 71-0044 LF >1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement.....	102.83	
<i>For 1/4" Thickness, Add</i>	10.89	
<i>For 5/16" Thickness, Add</i>	21.78	
33 01 10 71-0045 LF >5,000', 30" Pipe, 3/16" Pipe Lining With Cement.....	91.08	
<i>For 1/4" Thickness, Add</i>	10.89	
<i>For 5/16" Thickness, Add</i>	21.78	
33 01 10 71-0046 LF Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement.....	139.25	
<i>For 1/4" Thickness, Add</i>	13.07	
<i>For 5/16" Thickness, Add</i>	26.15	
33 01 10 71-0047 LF 500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement.....	127.58	
<i>For 1/4" Thickness, Add</i>	13.07	
<i>For 5/16" Thickness, Add</i>	26.15	
33 01 10 71-0048 LF >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement.....	111.46	
<i>For 1/4" Thickness, Add</i>	13.07	
<i>For 5/16" Thickness, Add</i>	26.15	
33 01 10 71-0049 LF >5,000', 36" Pipe, 3/16" Pipe Lining With Cement.....	99.58	
<i>For 1/4" Thickness, Add</i>	13.07	
<i>For 5/16" Thickness, Add</i>	26.15	
33 01 10 71-0050 LF Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement.....	177.96	
<i>For 3/8" Thickness, Add</i>	34.31	
<i>For 7/16" Thickness, Add</i>	51.47	
33 01 10 71-0051 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement.....	165.24	
<i>For 3/8" Thickness, Add</i>	34.31	
<i>For 7/16" Thickness, Add</i>	51.47	
33 01 10 71-0052 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement.....	147.72	
<i>For 3/8" Thickness, Add</i>	34.31	
<i>For 7/16" Thickness, Add</i>	51.47	
33 01 10 71-0053 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement.....	135.47	
<i>For 3/8" Thickness, Add</i>	34.31	
<i>For 7/16" Thickness, Add</i>	51.47	
33 01 10 71-0054 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement.....	196.93	
<i>For 3/8" Thickness, Add</i>	39.21	
<i>For 7/16" Thickness, Add</i>	58.81	
33 01 10 71-0055 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement.....	183.33	
<i>For 3/8" Thickness, Add</i>	39.21	
<i>For 7/16" Thickness, Add</i>	58.81	
33 01 10 71-0056 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement.....	164.49	
<i>For 3/8" Thickness, Add</i>	39.21	
<i>For 7/16" Thickness, Add</i>	58.81	
33 01 10 71-0057 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement.....	151.99	
<i>For 3/8" Thickness, Add</i>	39.21	
<i>For 7/16" Thickness, Add</i>	58.81	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0058 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement.....	208.94	
For 3/8" Thickness, Add	44.11	
For 7/16" Thickness, Add	66.16	
33 01 10 71-0059 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	195.03	
For 3/8" Thickness, Add	44.11	
For 7/16" Thickness, Add	66.16	
33 01 10 71-0060 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	175.75	
For 3/8" Thickness, Add	44.11	
For 7/16" Thickness, Add	66.16	
33 01 10 71-0061 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement	163.76	
For 3/8" Thickness, Add	44.11	
For 7/16" Thickness, Add	66.16	
33 01 10 71-0062 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement.....	220.97	
For 3/8" Thickness, Add	49.02	
For 7/16" Thickness, Add	73.53	
33 01 10 71-0063 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	206.82	
For 3/8" Thickness, Add	49.02	
For 7/16" Thickness, Add	73.53	
33 01 10 71-0064 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	187.17	
For 3/8" Thickness, Add	49.02	
For 7/16" Thickness, Add	73.53	
33 01 10 71-0065 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement	175.54	
For 3/8" Thickness, Add	49.02	
For 7/16" Thickness, Add	73.53	
33 01 10 71-0066 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement.....	233.34	
For 3/8" Thickness, Add	53.92	
For 7/16" Thickness, Add	80.88	
33 01 10 71-0067 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	218.90	
For 3/8" Thickness, Add	53.92	
For 7/16" Thickness, Add	80.88	
33 01 10 71-0068 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	198.94	
For 3/8" Thickness, Add	53.92	
For 7/16" Thickness, Add	80.88	
33 01 10 71-0069 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement	188.16	
For 3/8" Thickness, Add	53.92	
For 7/16" Thickness, Add	80.88	
33 01 10 71-0070 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement.....	246.20	
For 3/8" Thickness, Add	58.82	
For 7/16" Thickness, Add	88.23	
33 01 10 71-0071 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	231.52	
For 3/8" Thickness, Add	58.82	
For 7/16" Thickness, Add	88.23	
33 01 10 71-0072 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	211.06	
For 3/8" Thickness, Add	58.82	
For 7/16" Thickness, Add	88.23	
33 01 10 71-0073 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement	200.90	
For 3/8" Thickness, Add	58.82	
For 7/16" Thickness, Add	88.23	

33 01 30 Operation and Maintenance of Sewer Utilities (33 01)**33 01 30 11 Television Inspection Of Pipelines** (33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts (33 01 30 11)**33 01 30 11-0002 Video Camera Set-up** (33 01 30 11-0001)

33 01 30 11-0003 EA Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	948.51	
Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.		
33 01 30 11-0004 EA Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert.....	1,897.01	
Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).		
33 01 30 11-0005 EA Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	2,845.53	
33 01 30 11-0006 EA Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	474.26	
33 01 30 11-0007 EA Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	948.51	

33 01 30 11-0008 Video Camera Planning And Analysis Inspection (33 01 30 11-0001)

Note: For pipe interior and culverts.

33 01 30 11-0009 LF 4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase	2.41	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.24	
For >1,000 To 5,000, Deduct	-0.60	
For >5,000, Deduct	-0.84	
33 01 30 11-0010 LF >6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase	3.20	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.32	
For >1,000 To 5,000, Deduct	-0.80	
For >5,000, Deduct	-1.12	
33 01 30 11-0011 LF >12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase	4.01	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.40	
For >1,000 To 5,000, Deduct	-1.00	
For >5,000, Deduct	-1.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0012 LF >21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase.....	5.35	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-0.54	
<i>For >1,000 To 5,000, Deduct</i>	-1.34	
<i>For >5,000, Deduct</i>	-1.87	
33 01 30 11-0013 LF >30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase.....	7.52	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-0.75	
<i>For >1,000 To 5,000, Deduct</i>	-1.88	
<i>For >5,000, Deduct</i>	-2.63	
33 01 30 11-0014 LF >42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase.....	10.02	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-1.00	
<i>For >1,000 To 5,000, Deduct</i>	-2.51	
<i>For >5,000, Deduct</i>	-3.51	
33 01 30 11-0015 LF >60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....	14.14	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-1.41	
<i>For >1,000 To 5,000, Deduct</i>	-3.54	
<i>For >5,000, Deduct</i>	-4.95	
33 01 30 11-0016 LF >72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....	20.04	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-2.00	
<i>For >1,000 To 5,000, Deduct</i>	-5.01	
<i>For >5,000, Deduct</i>	-7.01	
33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts <small>(33 01 30 11-0001)</small>		
33 01 30 11-0018 LF 4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	3.56	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-0.36	
<i>For >1,000 To 5,000, Deduct</i>	-0.89	
<i>For >5,000, Deduct</i>	-1.25	
33 01 30 11-0019 LF >6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	4.74	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-0.47	
<i>For >1,000 To 5,000, Deduct</i>	-1.19	
<i>For >5,000, Deduct</i>	-1.66	
33 01 30 11-0020 LF >12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	5.93	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-0.59	
<i>For >1,000 To 5,000, Deduct</i>	-1.48	
<i>For >5,000, Deduct</i>	-2.08	
33 01 30 11-0021 LF >21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	7.90	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-0.79	
<i>For >1,000 To 5,000, Deduct</i>	-1.98	
<i>For >5,000, Deduct</i>	-2.77	
33 01 30 11-0022 LF >30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	11.12	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-1.11	
<i>For >1,000 To 5,000, Deduct</i>	-2.78	
<i>For >5,000, Deduct</i>	-3.89	
33 01 30 11-0023 LF >42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	14.82	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-1.48	
<i>For >1,000 To 5,000, Deduct</i>	-3.71	
<i>For >5,000, Deduct</i>	-5.19	
33 01 30 11-0024 LF >60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	20.92	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-2.09	
<i>For >1,000 To 5,000, Deduct</i>	-5.23	
<i>For >5,000, Deduct</i>	-7.32	
33 01 30 11-0025 LF >72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	29.65	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-2.97	
<i>For >1,000 To 5,000, Deduct</i>	-7.41	
<i>For >5,000, Deduct</i>	-10.38	
33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts <small>(33 01 30 11-0001)</small>		
33 01 30 11-0027 LF 4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.54	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-0.25	
<i>For >1,000 To 5,000, Deduct</i>	-0.64	
<i>For >5,000, Deduct</i>	-0.89	
33 01 30 11-0028 LF >6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.38	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-0.34	
<i>For >1,000 To 5,000, Deduct</i>	-0.85	
<i>For >5,000, Deduct</i>	-1.18	
33 01 30 11-0029 LF >12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	4.23	
Note: CCTV inspection of pipe interior.		
<i>For >500 To 1,000, Deduct</i>	-0.42	
<i>For >1,000 To 5,000, Deduct</i>	-1.06	
<i>For >5,000, Deduct</i>	-1.48	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0030 LF >21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	5.65	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.57	
For >1,000 To 5,000, Deduct	-1.41	
For >5,000, Deduct	-1.98	
33 01 30 11-0031 LF >30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	7.94	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.79	
For >1,000 To 5,000, Deduct	-1.99	
For >5,000, Deduct	-2.78	
33 01 30 11-0032 LF >42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	10.58	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.06	
For >1,000 To 5,000, Deduct	-2.65	
For >5,000, Deduct	-3.70	
33 01 30 11-0033 LF >60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	14.94	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.49	
For >1,000 To 5,000, Deduct	-3.74	
For >5,000, Deduct	-5.23	
33 01 30 11-0034 LF >72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	21.17	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-2.12	
For >1,000 To 5,000, Deduct	-5.29	
For >5,000, Deduct	-7.41	
33 01 30 23 Pipe Bursting (33 01 30)		
33 01 30 23-0001 Pipe Bursting (33 01 30 23)		
Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control.		
33 01 30 23-0002 Manhole Chipping (33 01 30 23-0001)		
Note: For use at manholes to open holes for pipe bursting head.		
33 01 30 23-0003 EA 6" To 15" Diameter, Manhole Chipping.....	408.38	
33 01 30 23-0004 EA >15" To 24" Diameter, Manhole Chipping.....	479.44	
33 01 30 23-0005 EA >24" To 36" Diameter, Manhole Chipping.....	599.26	
33 01 30 23-0006 Pipe Bursting (33 01 30 23-0001)		
Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 23-0051 for PE piping.		
33 01 30 23-0007 Pipe Bursting Equipment Set-up (33 01 30 23-0006)		
33 01 30 23-0008 EA Initial Set-up And Final Equipment Removal For Up To 12" Underground Pipelines For Pipe Bursting Equipment.....	7,868.37	
33 01 30 23-0009 EA Initial Set-up And Final Equipment Removal For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment.....	11,802.55	
33 01 30 23-0010 EA Initial Set-up And Final Equipment Removal For > 24" To 36" Underground Pipelines For Pipe Bursting Equipment.....	19,670.91	
33 01 30 23-0011 EA Move And Reset Up At Different Access/Location For Up To 12" Underground Pipelines For Pipe Bursting Equipment.....	2,950.63	
33 01 30 23-0012 EA Move And Reset Up At Different Access/Location For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment.....	4,425.96	
33 01 30 23-0013 EA Move And Reset Up At Different Access/Location For > 2" To 36" Underground Pipelines For Pipe Bursting Equipment.....	7,376.59	
33 01 30 23-0014 EA Set Up/Move Pipe Bursting Equipment For Laterals.....	1,967.09	
33 01 30 23-0015 Pneumatic Head Pipe Bursting (33 01 30 23-0006)		
33 01 30 23-0016 LF 4" Diameter, Pneumatic Head Pipe Bursting.....	27.21	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.24	
For >150 To 200, Add	1.34	
For >100 To 150, Add	2.68	
For >75 To 100, Add	4.03	
For >50 To 75, Add	5.37	
For >25 To 50, Add	7.16	
For Up To 25, Add	9.84	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.24	
For Bursting Ductile Iron Pipe, Add	7.30	
33 01 30 23-0017 LF 6" Diameter, Pneumatic Head Pipe Bursting.....	31.50	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.77	
For >150 To 200, Add	1.66	
For >100 To 150, Add	3.33	
For >75 To 100, Add	4.99	
For >50 To 75, Add	6.65	
For >25 To 50, Add	8.87	
For Up To 25, Add	12.20	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.77	
For Bursting Ductile Iron Pipe, Add	8.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0018 LF 8" Diameter, Pneumatic Head Pipe Bursting	35.52	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.28	
For >150 To 200, Add	1.97	
For >100 To 150, Add	3.93	
For >75 To 100, Add	5.90	
For >50 To 75, Add	7.86	
For >25 To 50, Add	10.48	
For Up To 25, Add	14.41	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.28	
For Bursting Ductile Iron Pipe, Add	10.04	
33 01 30 23-0019 LF 10" Diameter, Pneumatic Head Pipe Bursting	40.73	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.93	
For >150 To 200, Add	2.36	
For >100 To 150, Add	4.71	
For >75 To 100, Add	7.07	
For >50 To 75, Add	9.42	
For >25 To 50, Add	12.56	
For Up To 25, Add	17.28	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.93	
For Bursting Ductile Iron Pipe, Add	11.76	
33 01 30 23-0020 LF 12" Diameter, Pneumatic Head Pipe Bursting	46.72	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.68	
For >150 To 200, Add	2.81	
For >100 To 150, Add	5.61	
For >75 To 100, Add	8.42	
For >50 To 75, Add	11.22	
For >25 To 50, Add	14.96	
For Up To 25, Add	20.57	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.68	
For Bursting Ductile Iron Pipe, Add	13.74	
33 01 30 23-0021 LF 15" Diameter, Pneumatic Head Pipe Bursting	51.50	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.83	
For >150 To 200, Add	2.90	
For >100 To 150, Add	5.79	
For >75 To 100, Add	8.69	
For >50 To 75, Add	11.58	
For >25 To 50, Add	15.44	
For Up To 25, Add	21.24	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.83	
For Bursting Ductile Iron Pipe, Add	14.67	
33 01 30 23-0022 LF 18" Diameter, Pneumatic Head Pipe Bursting	57.51	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.58	
For >150 To 200, Add	3.35	
For >100 To 150, Add	6.69	
For >75 To 100, Add	10.04	
For >50 To 75, Add	13.39	
For >25 To 50, Add	17.85	
For Up To 25, Add	24.54	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.58	
For Bursting Ductile Iron Pipe, Add	16.66	
33 01 30 23-0023 LF 21"/22" Diameter, Pneumatic Head Pipe Bursting	72.42	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.64	
For >150 To 200, Add	3.98	
For >100 To 150, Add	7.96	
For >75 To 100, Add	11.94	
For >50 To 75, Add	15.92	
For >25 To 50, Add	21.23	
For Up To 25, Add	29.19	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.64	
For Bursting Ductile Iron Pipe, Add	20.42	
33 01 30 23-0024 LF 24" Diameter, Pneumatic Head Pipe Bursting	89.49	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	8.77	
For >150 To 200, Add	5.26	
For >100 To 150, Add	10.52	
For >75 To 100, Add	15.78	
For >50 To 75, Add	21.05	
For >25 To 50, Add	28.06	
For Up To 25, Add	38.58	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	8.77	
For Bursting Ductile Iron Pipe, Add	26.05	
33 01 30 23-0025 LF 30" Diameter, Pneumatic Head Pipe Bursting	98.54	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	9.10	
For >150 To 200, Add	5.46	
For >100 To 150, Add	10.92	
For >75 To 100, Add	16.37	
For >50 To 75, Add	21.83	
For >25 To 50, Add	29.11	
For Up To 25, Add	40.02	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	9.10	
For Bursting Ductile Iron Pipe, Add	27.88	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0026 LF 36" Diameter, Pneumatic Head Pipe Bursting	127.75	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	12.75	
For >150 To 200, Add	7.65	
For >100 To 150, Add	15.30	
For >75 To 100, Add	22.95	
For >50 To 75, Add	30.59	
For >25 To 50, Add	40.79	
For Up To 25, Add	56.09	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	12.75	
For Bursting Ductile Iron Pipe, Add	37.52	
33 01 30 23-0027 Static Head Pipe Bursting (33 01 30 23-0006)		
33 01 30 23-0028 LF 4" Diameter, Static Head Pipe Bursting	35.90	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.32	
For >150 To 200, Add	1.99	
For >100 To 150, Add	3.99	
For >75 To 100, Add	5.98	
For >50 To 75, Add	7.97	
For >25 To 50, Add	10.63	
For Up To 25, Add	14.62	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.32	
For Bursting Ductile Iron Pipe, Add	10.17	
33 01 30 23-0029 LF 6" Diameter, Static Head Pipe Bursting	40.23	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.86	
For >150 To 200, Add	2.32	
For >100 To 150, Add	4.64	
For >75 To 100, Add	6.95	
For >50 To 75, Add	9.27	
For >25 To 50, Add	12.36	
For Up To 25, Add	17.00	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.86	
For Bursting Ductile Iron Pipe, Add	11.60	
33 01 30 23-0030 LF 8" Diameter, Static Head Pipe Bursting	45.23	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.49	
For >150 To 200, Add	2.69	
For >100 To 150, Add	5.39	
For >75 To 100, Add	8.08	
For >50 To 75, Add	10.77	
For >25 To 50, Add	14.36	
For Up To 25, Add	19.75	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.49	
For Bursting Ductile Iron Pipe, Add	13.25	
33 01 30 23-0031 LF 10" Diameter, Static Head Pipe Bursting	51.72	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.30	
For >150 To 200, Add	3.18	
For >100 To 150, Add	6.36	
For >75 To 100, Add	9.54	
For >50 To 75, Add	12.72	
For >25 To 50, Add	16.96	
For Up To 25, Add	23.32	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.30	
For Bursting Ductile Iron Pipe, Add	15.39	
33 01 30 23-0032 LF 12" Diameter, Static Head Pipe Bursting	59.22	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.24	
For >150 To 200, Add	3.74	
For >100 To 150, Add	7.49	
For >75 To 100, Add	11.23	
For >50 To 75, Add	14.97	
For >25 To 50, Add	19.96	
For Up To 25, Add	27.45	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.24	
For Bursting Ductile Iron Pipe, Add	17.87	
33 01 30 23-0033 LF 15" Diameter, Static Head Pipe Bursting	67.77	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.86	
For >150 To 200, Add	4.12	
For >100 To 150, Add	8.23	
For >75 To 100, Add	12.35	
For >50 To 75, Add	16.46	
For >25 To 50, Add	21.95	
For Up To 25, Add	30.18	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.86	
For Bursting Ductile Iron Pipe, Add	20.04	
33 01 30 23-0034 LF 18" Diameter, Static Head Pipe Bursting	74.99	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	7.76	
For >150 To 200, Add	4.66	
For >100 To 150, Add	9.32	
For >75 To 100, Add	13.97	
For >50 To 75, Add	18.63	
For >25 To 50, Add	24.84	
For Up To 25, Add	34.16	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.76	
For Bursting Ductile Iron Pipe, Add	22.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0035 LF 21"/22" Diameter, Static Head Pipe Bursting	93.70	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	9.30	
For >150 To 200, Add	5.58	
For >100 To 150, Add	11.15	
For >75 To 100, Add	16.73	
For >50 To 75, Add	22.31	
For >25 To 50, Add	29.74	
For Up To 25, Add	40.90	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	9.30	
For Bursting Ductile Iron Pipe, Add	27.44	
33 01 30 23-0036 LF 24" Diameter, Static Head Pipe Bursting	121.42	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	12.76	
For >150 To 200, Add	7.66	
For >100 To 150, Add	15.31	
For >75 To 100, Add	22.97	
For >50 To 75, Add	30.62	
For >25 To 50, Add	40.83	
For Up To 25, Add	56.14	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	12.76	
For Bursting Ductile Iron Pipe, Add	36.59	
33 01 30 23-0037 LF 30" Diameter, Static Head Pipe Bursting	147.75	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	15.25	
For >150 To 200, Add	9.15	
For >100 To 150, Add	18.30	
For >75 To 100, Add	27.45	
For >50 To 75, Add	36.59	
For >25 To 50, Add	48.79	
For Up To 25, Add	67.09	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	15.25	
For Bursting Ductile Iron Pipe, Add	44.12	
33 01 30 23-0038 LF 36" Diameter, Static Head Pipe Bursting	178.69	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	19.12	
For >150 To 200, Add	11.47	
For >100 To 150, Add	22.94	
For >75 To 100, Add	34.41	
For >50 To 75, Add	45.88	
For >25 To 50, Add	61.17	
For Up To 25, Add	84.11	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	19.12	
For Bursting Ductile Iron Pipe, Add	54.33	
33 01 30 23-0039 Hydraulic Head Pipe Bursting <small>(33 01 30 23-0006)</small>		
33 01 30 23-0040 LF 4" Diameter, Hydraulic Head Pipe Bursting	31.18	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.73	
For >150 To 200, Add	1.64	
For >100 To 150, Add	3.28	
For >75 To 100, Add	4.92	
For >50 To 75, Add	6.56	
For >25 To 50, Add	8.74	
For Up To 25, Add	12.02	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.73	
For Bursting Ductile Iron Pipe, Add	8.61	
33 01 30 23-0041 LF 6" Diameter, Hydraulic Head Pipe Bursting	35.01	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.21	
For >150 To 200, Add	1.93	
For >100 To 150, Add	3.85	
For >75 To 100, Add	5.78	
For >50 To 75, Add	7.71	
For >25 To 50, Add	10.28	
For Up To 25, Add	14.13	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.21	
For Bursting Ductile Iron Pipe, Add	9.88	
33 01 30 23-0042 LF 8" Diameter, Hydraulic Head Pipe Bursting	39.41	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.76	
For >150 To 200, Add	2.26	
For >100 To 150, Add	4.51	
For >75 To 100, Add	6.77	
For >50 To 75, Add	9.03	
For >25 To 50, Add	12.04	
For Up To 25, Add	16.55	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.76	
For Bursting Ductile Iron Pipe, Add	11.33	
33 01 30 23-0043 LF 10" Diameter, Hydraulic Head Pipe Bursting	45.12	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.48	
For >150 To 200, Add	2.69	
For >100 To 150, Add	5.37	
For >75 To 100, Add	8.06	
For >50 To 75, Add	10.74	
For >25 To 50, Add	14.32	
For Up To 25, Add	19.69	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.48	
For Bursting Ductile Iron Pipe, Add	13.21	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0044 LF 12" Diameter, Hydraulic Head Pipe Bursting	51.72	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.30	
For >150 To 200, Add	3.18	
For >100 To 150, Add	6.36	
For >75 To 100, Add	9.54	
For >50 To 75, Add	12.72	
For >25 To 50, Add	16.96	
For Up To 25, Add	23.32	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.30	
For Bursting Ductile Iron Pipe, Add	15.39	
33 01 30 23-0045 LF 15" Diameter, Hydraulic Head Pipe Bursting	59.00	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.76	
For >150 To 200, Add	3.46	
For >100 To 150, Add	6.92	
For >75 To 100, Add	10.37	
For >50 To 75, Add	13.83	
For >25 To 50, Add	18.44	
For Up To 25, Add	25.36	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.76	
For Bursting Ductile Iron Pipe, Add	17.15	
33 01 30 23-0046 LF 18" Diameter, Hydraulic Head Pipe Bursting	66.09	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.65	
For >150 To 200, Add	3.99	
For >100 To 150, Add	7.98	
For >75 To 100, Add	11.97	
For >50 To 75, Add	15.96	
For >25 To 50, Add	21.28	
For Up To 25, Add	29.26	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.65	
For Bursting Ductile Iron Pipe, Add	19.49	
33 01 30 23-0047 LF 21"/22" Diameter, Hydraulic Head Pipe Bursting	83.05	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	7.96	
For >150 To 200, Add	4.78	
For >100 To 150, Add	9.56	
For >75 To 100, Add	14.33	
For >50 To 75, Add	19.11	
For >25 To 50, Add	25.48	
For Up To 25, Add	35.04	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.96	
For Bursting Ductile Iron Pipe, Add	23.93	
33 01 30 23-0048 LF 24" Diameter, Hydraulic Head Pipe Bursting	108.54	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	11.15	
For >150 To 200, Add	6.69	
For >100 To 150, Add	13.38	
For >75 To 100, Add	20.07	
For >50 To 75, Add	26.76	
For >25 To 50, Add	35.68	
For Up To 25, Add	49.06	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	11.15	
For Bursting Ductile Iron Pipe, Add	32.34	
33 01 30 23-0049 LF 30" Diameter, Hydraulic Head Pipe Bursting	133.31	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	13.44	
For >150 To 200, Add	8.07	
For >100 To 150, Add	16.13	
For >75 To 100, Add	24.20	
For >50 To 75, Add	32.26	
For >25 To 50, Add	43.02	
For Up To 25, Add	59.15	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	13.44	
For Bursting Ductile Iron Pipe, Add	39.35	
33 01 30 23-0050 LF 36" Diameter, Hydraulic Head Pipe Bursting	162.73	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	17.12	
For >150 To 200, Add	10.27	
For >100 To 150, Add	20.54	
For >75 To 100, Add	30.82	
For >50 To 75, Add	41.09	
For >25 To 50, Add	54.78	
For Up To 25, Add	75.33	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	17.12	
For Bursting Ductile Iron Pipe, Add	49.06	
33 01 30 23-0051 Pipe Lining <small>(33 01 30 23-0001)</small>		
33 01 30 23-0052 Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining <small>(33 01 30 23-0051)</small>		
Note: Per each joint.		
33 01 30 23-0053 EA 4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	128.96	
33 01 30 23-0054 EA >15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	147.96	
33 01 30 23-0055 EA >24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	176.48	
33 01 30 23-0056 High Density Polyethylene (HDPE) Pipe Lining, DR 17 <small>(33 01 30 23-0051)</small>		
Note: Material to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0052 for pipe joint fusion.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0057 LF 4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	5.09	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.63	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	1.70	
<i>For White Interior Pipe, Add</i>	1.15	
<i>For Gray Interior Pipe, Add</i>	0.87	
33 01 30 23-0058 LF 5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	6.94	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.95	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.59	
<i>For White Interior Pipe, Add</i>	1.75	
<i>For Gray Interior Pipe, Add</i>	1.32	
33 01 30 23-0059 LF 6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	9.23	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.36	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	3.69	
<i>For White Interior Pipe, Add</i>	2.49	
<i>For Gray Interior Pipe, Add</i>	1.89	
33 01 30 23-0060 LF 7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	10.45	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.57	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	4.26	
<i>For White Interior Pipe, Add</i>	2.87	
<i>For Gray Interior Pipe, Add</i>	2.18	
33 01 30 23-0061 LF 8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	14.51	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-2.29	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	6.22	
<i>For White Interior Pipe, Add</i>	4.20	
<i>For Gray Interior Pipe, Add</i>	3.18	
33 01 30 23-0062 LF 10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	21.63	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.56	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	9.68	
<i>For White Interior Pipe, Add</i>	6.53	
<i>For Gray Interior Pipe, Add</i>	4.95	
33 01 30 23-0063 LF 12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	29.73	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-5.01	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	13.61	
<i>For White Interior Pipe, Add</i>	9.19	
<i>For Gray Interior Pipe, Add</i>	6.96	
33 01 30 23-0064 LF 13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	32.58	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-5.52	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	14.98	
<i>For White Interior Pipe, Add</i>	10.11	
<i>For Gray Interior Pipe, Add</i>	7.66	
33 01 30 23-0065 LF 14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	35.58	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-6.04	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	16.42	
<i>For White Interior Pipe, Add</i>	11.08	
<i>For Gray Interior Pipe, Add</i>	8.40	
33 01 30 23-0066 LF 16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	45.97	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-7.89	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	21.44	
<i>For White Interior Pipe, Add</i>	14.47	
<i>For Gray Interior Pipe, Add</i>	10.96	
33 01 30 23-0067 LF 18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	57.79	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-10.00	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	27.15	
<i>For White Interior Pipe, Add</i>	18.32	
<i>For Gray Interior Pipe, Add</i>	13.88	
33 01 30 23-0068 LF 20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	70.96	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-12.34	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	33.52	
<i>For White Interior Pipe, Add</i>	22.62	
<i>For Gray Interior Pipe, Add</i>	17.14	
33 01 30 23-0069 LF 22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	85.54	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-14.93	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	40.55	
<i>For White Interior Pipe, Add</i>	27.37	
<i>For Gray Interior Pipe, Add</i>	20.73	
33 01 30 23-0070 LF 24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	101.54	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-17.77	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	48.27	
<i>For White Interior Pipe, Add</i>	32.58	
<i>For Gray Interior Pipe, Add</i>	24.68	
33 01 30 23-0071 LF 26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	118.87	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-20.84	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	56.62	
<i>For White Interior Pipe, Add</i>	38.21	
<i>For Gray Interior Pipe, Add</i>	28.95	
33 01 30 23-0072 LF 28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	137.71	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-24.18	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	65.68	
<i>For White Interior Pipe, Add</i>	44.33	
<i>For Gray Interior Pipe, Add</i>	33.58	
33 01 30 23-0073 LF 30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	157.97	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-27.76	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	75.40	
<i>For White Interior Pipe, Add</i>	50.89	
<i>For Gray Interior Pipe, Add</i>	38.55	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0074 LF 32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	179.65	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-31.57	
For DR 11 Polyethylene Pipe, 160 PSI, Add	85.77	
For White Interior Pipe, Add	57.88	
For Gray Interior Pipe, Add	43.85	
33 01 30 23-0075 LF 34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	221.28	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-38.96	
For DR 11 Polyethylene Pipe, 160 PSI, Add	105.83	
For White Interior Pipe, Add	71.42	
For Gray Interior Pipe, Add	54.11	
33 01 30 23-0076 LF 36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	227.68	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-39.96	
For DR 11 Polyethylene Pipe, 160 PSI, Add	108.57	
For White Interior Pipe, Add	73.27	
For Gray Interior Pipe, Add	55.51	
33 01 30 23-0077 Re-Connection Of Non-Renewed Laterals (33 01 30 23-0001)		
Note: Excludes earthwork excavation and backfill		
33 01 30 23-0078 Re-Connection Of Laterals; Insert-A-Tee (33 01 30 23-0077)		
Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0039 for hauling.		
33 01 30 23-0079 EA Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee.....	1,299.42	
For No Excavation, Deduct	-840.21	
33 01 30 23-0080 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee.....	1,458.48	
For No Excavation, Deduct	-945.25	
33 01 30 23-0081 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee.....	1,539.50	
For No Excavation, Deduct	-997.76	
33 01 30 23-0082 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee.....	1,620.52	
For No Excavation, Deduct	-1,050.27	
33 01 30 23-0083 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee.....	1,758.61	
For No Excavation, Deduct	-1,102.78	
33 01 30 23-0084 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee.....	1,641.54	
For No Excavation, Deduct	-1,050.27	
33 01 30 23-0085 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee.....	1,725.58	
For No Excavation, Deduct	-1,102.78	
33 01 30 23-0086 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee.....	1,851.65	
For No Excavation, Deduct	-1,155.29	
33 01 30 23-0087 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee.....	2,181.97	
For No Excavation, Deduct	-1,207.81	
33 01 30 23-0088 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee.....	2,299.04	
For No Excavation, Deduct	-1,260.32	
33 01 30 23-0089 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee.....	2,812.57	
For No Excavation, Deduct	-1,312.84	
33 01 30 23-0090 Re-Connection Of Laterals; Saddle Style (33 01 30 23-0077)		
Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0039 for hauling.		
33 01 30 23-0091 EA Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	2,798.96	
For No Excavation, Deduct	-937.74	
For Strap-On Saddle Type Instead Of Fusion Weld	-236.57	
33 01 30 23-0092 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,084.76	
For No Excavation, Deduct	-975.25	
For Strap-On Saddle Type Instead Of Fusion Weld	-219.96	
33 01 30 23-0093 EA Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	4,268.89	
For No Excavation, Deduct	-1,012.76	
For Strap-On Saddle Type Instead Of Fusion Weld	-68.60	
33 01 30 23-0094 EA Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	4,493.94	
For No Excavation, Deduct	-1,125.29	
For Strap-On Saddle Type Instead Of Fusion Weld	-113.61	
33 01 30 23-0095 EA Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	7,882.22	
For No Excavation, Deduct	-1,200.31	
For Strap-On Saddle Type Instead Of Fusion Weld	342.12	
33 01 30 23-0096 EA Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	8,544.30	
For No Excavation, Deduct	-1,331.59	
For Strap-On Saddle Type Instead Of Fusion Weld	349.53	
33 01 30 23-0097 EA Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	11,466.12	
For No Excavation, Deduct	-1,462.88	
For Strap-On Saddle Type Instead Of Fusion Weld	695.91	
33 01 30 23-0098 EA Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	10,941.19	
For No Excavation, Deduct	-1,650.42	
For Strap-On Saddle Type Instead Of Fusion Weld	485.88	
33 01 30 23-0099 EA Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	13,286.48	
For No Excavation, Deduct	-1,950.50	
For Strap-On Saddle Type Instead Of Fusion Weld	627.62	
33 01 30 41 Cleaning of Sewers (33 01 30)		
33 01 30 41-0001 Pipe Line Cleaning And Flushing (33 01 30 41)		
Note: Includes flushing. Owner provided water.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0002 Pipe Line Cleaning <small>(33 01 30 41-0001)</small> Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003 Hydro Jet Set-up And Reinsertion <small>(33 01 30 41-0002)</small> Note: Includes mobilization delivery, set-up, clean-up after use and return.		
33 01 30 41-0004 EA Initial Set Up And Final Equipment Removal For Up To 8" Jet Cleaning	1,328.45	
33 01 30 41-0005 EA Initial Set Up And Final Equipment Removal For >8" To 12" Jet Cleaning	1,992.67	
33 01 30 41-0006 EA Initial Set Up And Final Equipment Removal For >12" To 30" Jet Cleaning	2,656.90	
33 01 30 41-0007 EA Initial Set Up And Final Equipment Removal For >30" Jet Cleaning	3,542.53	
33 01 30 41-0008 EA Move And Reset Up At Different Access/Location For Up To 8" Jet Cleaning	332.11	
33 01 30 41-0009 EA Move And Reset Up At Different Access/Location For >8" To 12" Jet Cleaning	498.17	
33 01 30 41-0010 EA Move And Reset Up At Different Access/Location For >12" To 30" Jet Cleaning	664.22	
33 01 30 41-0011 EA Move And Reset Up At Different Access/Location For >30" Jet Cleaning	830.28	
33 01 30 41-0012 Hydro Jet Cleaning Of Sewer And Water Pipelines <small>(33 01 30 41-0002)</small>		
33 01 30 41-0013 LF Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.57	
<i>For >250 To 500, Deduct</i>	-0.18	
<i>For >500 To 1,000, Deduct</i>	-0.36	
<i>For >1,000 To 2,000, Deduct</i>	-0.54	
<i>For >2,000 To 5,000, Deduct</i>	-0.71	
<i>For >5,000, Deduct</i>	-0.89	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	2.68	
33 01 30 41-0014 LF 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.10	
<i>For >250 To 500, Deduct</i>	-0.21	
<i>For >500 To 1,000, Deduct</i>	-0.41	
<i>For >1,000 To 2,000, Deduct</i>	-0.62	
<i>For >2,000 To 5,000, Deduct</i>	-0.82	
<i>For >5,000, Deduct</i>	-1.03	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	3.08	
33 01 30 41-0015 LF 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.82	
<i>For >250 To 500, Deduct</i>	-0.24	
<i>For >500 To 1,000, Deduct</i>	-0.48	
<i>For >1,000 To 2,000, Deduct</i>	-0.72	
<i>For >2,000 To 5,000, Deduct</i>	-0.96	
<i>For >5,000, Deduct</i>	-1.21	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	3.62	
33 01 30 41-0016 LF 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.95	
<i>For >250 To 500, Deduct</i>	-0.30	
<i>For >500 To 1,000, Deduct</i>	-0.60	
<i>For >1,000 To 2,000, Deduct</i>	-0.89	
<i>For >2,000 To 5,000, Deduct</i>	-1.19	
<i>For >5,000, Deduct</i>	-1.49	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	4.46	
33 01 30 41-0017 LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.76	
<i>For >250 To 500, Deduct</i>	-0.34	
<i>For >500 To 1,000, Deduct</i>	-0.68	
<i>For >1,000 To 2,000, Deduct</i>	-1.01	
<i>For >2,000 To 5,000, Deduct</i>	-1.35	
<i>For >5,000, Deduct</i>	-1.69	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	5.07	
33 01 30 41-0018 LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.80	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500 To 1,000, Deduct</i>	-0.78	
<i>For >1,000 To 2,000, Deduct</i>	-1.17	
<i>For >2,000 To 5,000, Deduct</i>	-1.56	
<i>For >5,000, Deduct</i>	-1.95	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	5.85	
33 01 30 41-0019 LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	9.38	
<i>For >250 To 500, Deduct</i>	-0.47	
<i>For >500 To 1,000, Deduct</i>	-0.94	
<i>For >1,000 To 2,000, Deduct</i>	-1.41	
<i>For >2,000 To 5,000, Deduct</i>	-1.88	
<i>For >5,000, Deduct</i>	-2.35	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	7.04	
33 01 30 41-0020 LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	10.65	
<i>For >250 To 500, Deduct</i>	-0.53	
<i>For >500 To 1,000, Deduct</i>	-1.07	
<i>For >1,000 To 2,000, Deduct</i>	-1.60	
<i>For >2,000 To 5,000, Deduct</i>	-2.13	
<i>For >5,000, Deduct</i>	-2.66	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	7.99	
33 01 30 41-0021 LF >30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	12.58	
<i>For >250 To 500, Deduct</i>	-0.63	
<i>For >500 To 1,000, Deduct</i>	-1.26	
<i>For >1,000 To 2,000, Deduct</i>	-1.89	
<i>For >2,000 To 5,000, Deduct</i>	-2.52	
<i>For >5,000, Deduct</i>	-3.15	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	9.44	
33 01 30 41-0022 LF >42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	15.82	
<i>For >250 To 500, Deduct</i>	-0.79	
<i>For >500 To 1,000, Deduct</i>	-1.58	
<i>For >1,000 To 2,000, Deduct</i>	-2.37	
<i>For >2,000 To 5,000, Deduct</i>	-3.16	
<i>For >5,000, Deduct</i>	-3.96	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	11.87	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0023 LF >60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	18.45	
For >250 To 500, Deduct	-0.92	
For >500 To 1,000, Deduct	-1.85	
For >1,000 To 2,000, Deduct	-2.77	
For >2,000 To 5,000, Deduct	-3.69	
For >5,000, Deduct	-4.61	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	13.84	
33 01 30 41-0024 Flushing Of Storm Water Pipelines <small>(33 01 30 41-0002)</small>		
Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.		
33 01 30 41-0025 LF 12" To 16" Diameter Pipe Line Flushing	1.39	
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.14	
For >1,000 To 2,000, Deduct	-0.21	
For >2,000 To 5,000, Deduct	-0.28	
For >5,000, Deduct	-0.35	
33 01 30 41-0026 LF >16" To 24" Diameter Pipe Line Flushing	1.60	
For >250 To 500, Deduct	-0.08	
For >500 To 1,000, Deduct	-0.16	
For >1,000 To 2,000, Deduct	-0.24	
For >2,000 To 5,000, Deduct	-0.32	
For >5,000, Deduct	-0.40	
33 01 30 41-0027 LF >24" To 30" Diameter Pipe Line Flushing	1.88	
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.19	
For >1,000 To 2,000, Deduct	-0.28	
For >2,000 To 5,000, Deduct	-0.38	
For >5,000, Deduct	-0.47	
33 01 30 41-0028 LF >30" To 42" Diameter Pipe Line Flushing	2.16	
For >250 To 500, Deduct	-0.11	
For >500 To 1,000, Deduct	-0.22	
For >1,000 To 2,000, Deduct	-0.32	
For >2,000 To 5,000, Deduct	-0.43	
For >5,000, Deduct	-0.54	
33 01 30 41-0029 LF >42" To 60" Diameter Pipe Line Flushing	2.87	
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.29	
For >1,000 To 2,000, Deduct	-0.43	
For >2,000 To 5,000, Deduct	-0.57	
For >5,000, Deduct	-0.72	
33 01 30 41-0030 Hydro Jet Cleaning Of Culverts <small>(33 01 30 41-0002)</small>		
33 01 30 41-0031 LF Jet Cleaning Of Culvert, 0-250 LF.....	16.52	
For >250 To 500, Deduct	-0.83	
For >500 To 1,000, Deduct	-1.65	
For >1,000 To 2,000, Deduct	-2.48	
For >2,000 To 5,000, Deduct	-3.30	
For >5,000, Deduct	-4.13	
33 01 30 41-0032 Pipe Line Cleaning, Mechanical Method <small>(33 01 30 41-0001)</small>		
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0033 EA Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	1,195.27	
33 01 30 41-0034 EA Move And Reset Up At Different Access/Location.....	398.43	
33 01 30 41-0035 LF Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	6.93	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.66	
For >1,000 To 2,000, Deduct	-1.00	
For >2,000 To 5,000, Deduct	-1.33	
For >5,000, Deduct	-1.66	
33 01 30 41-0036 LF 6" Diameter Pipe Line Cleaning, Mechanical Method	9.12	
For >250 To 500, Deduct	-0.43	
For >500 To 1,000, Deduct	-0.85	
For >1,000 To 2,000, Deduct	-1.28	
For >2,000 To 5,000, Deduct	-1.71	
For >5,000, Deduct	-2.14	
33 01 30 41-0037 LF 8" Diameter Pipe Line Cleaning, Mechanical Method	10.68	
For >250 To 500, Deduct	-0.50	
For >500 To 1,000, Deduct	-1.00	
For >1,000 To 2,000, Deduct	-1.49	
For >2,000 To 5,000, Deduct	-1.99	
For >5,000, Deduct	-2.49	
33 01 30 41-0038 LF 10" Diameter Pipe Line Cleaning, Mechanical Method	12.36	
For >250 To 500, Deduct	-0.57	
For >500 To 1,000, Deduct	-1.15	
For >1,000 To 2,000, Deduct	-1.72	
For >2,000 To 5,000, Deduct	-2.30	
For >5,000, Deduct	-2.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0039 LF 12" Diameter Pipe Line Cleaning, Mechanical Method	13.46	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500 To 1,000, Deduct</i>	-1.25	
<i>For >1,000 To 2,000, Deduct</i>	-1.87	
<i>For >2,000 To 5,000, Deduct</i>	-2.49	
<i>For >5,000, Deduct</i>	-3.11	
33 01 30 41-0040 LF >12" To 16" Diameter Pipe Line Cleaning, Mechanical Method.....	15.53	
<i>For >250 To 500, Deduct</i>	-0.71	
<i>For >500 To 1,000, Deduct</i>	-1.42	
<i>For >1,000 To 2,000, Deduct</i>	-2.13	
<i>For >2,000 To 5,000, Deduct</i>	-2.85	
<i>For >5,000, Deduct</i>	-3.56	
33 01 30 41-0041 LF >16" To 24" Diameter Pipe Line Cleaning, Mechanical Method.....	19.60	
<i>For >250 To 500, Deduct</i>	-0.88	
<i>For >500 To 1,000, Deduct</i>	-1.76	
<i>For >1,000 To 2,000, Deduct</i>	-2.64	
<i>For >2,000 To 5,000, Deduct</i>	-3.51	
<i>For >5,000, Deduct</i>	-4.39	
33 01 30 41-0042 LF >24" To 30" Diameter Pipe Line Cleaning, Mechanical Method.....	22.49	
<i>For >250 To 500, Deduct</i>	-0.98	
<i>For >500 To 1,000, Deduct</i>	-1.96	
<i>For >1,000 To 2,000, Deduct</i>	-2.94	
<i>For >2,000 To 5,000, Deduct</i>	-3.92	
<i>For >5,000, Deduct</i>	-4.90	
33 01 30 41-0043 LF >30" To 42" Diameter Pipe Line Cleaning, Mechanical Method.....	26.17	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500 To 1,000, Deduct</i>	-2.26	
<i>For >1,000 To 2,000, Deduct</i>	-3.38	
<i>For >2,000 To 5,000, Deduct</i>	-4.51	
<i>For >5,000, Deduct</i>	-5.64	
33 01 30 41-0044 LF >42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	34.22	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500 To 1,000, Deduct</i>	-2.99	
<i>For >1,000 To 2,000, Deduct</i>	-4.48	
<i>For >2,000 To 5,000, Deduct</i>	-5.98	
<i>For >5,000, Deduct</i>	-7.47	
33 01 30 41-0045 LF >60" Diameter Pipe Line Cleaning, Mechanical Method.....	38.99	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500 To 1,000, Deduct</i>	-3.32	
<i>For >1,000 To 2,000, Deduct</i>	-4.98	
<i>For >2,000 To 5,000, Deduct</i>	-6.64	
<i>For >5,000, Deduct</i>	-8.30	
33 01 30 41-0046 Pipe Line Auguring/Rod Out Pipe (33 01 30 41-0001)		
33 01 30 41-0047 EA Initial Set Up And Final Equipment Removal For Auguring.....	1,195.27	
33 01 30 41-0048 EA Move And Reset Up At Different Location	398.43	
33 01 30 41-0049 LF Up To 4" Diameter Pipe Line Auguring/Rod Out.....	3.99	
<i>For >250 To 500, Deduct</i>	-0.20	
<i>For >500 To 1,000, Deduct</i>	-0.40	
<i>For >1,000 To 2,000, Deduct</i>	-0.60	
<i>For >2,000 To 5,000, Deduct</i>	-0.80	
<i>For >5,000, Deduct</i>	-1.00	
33 01 30 41-0050 LF 6" Diameter Pipe Line Auguring/Rod Out.....	5.16	
<i>For >250 To 500, Deduct</i>	-0.26	
<i>For >500 To 1,000, Deduct</i>	-0.52	
<i>For >1,000 To 2,000, Deduct</i>	-0.77	
<i>For >2,000 To 5,000, Deduct</i>	-1.03	
<i>For >5,000, Deduct</i>	-1.29	
33 01 30 41-0051 LF 8" Diameter Pipe Line Auguring/Rod Out.....	5.97	
<i>For >250 To 500, Deduct</i>	-0.30	
<i>For >500 To 1,000, Deduct</i>	-0.60	
<i>For >1,000 To 2,000, Deduct</i>	-0.90	
<i>For >2,000 To 5,000, Deduct</i>	-1.19	
<i>For >5,000, Deduct</i>	-1.49	
33 01 30 41-0052 LF 10" Diameter Pipe Line Auguring/Rod Out.....	6.95	
<i>For >250 To 500, Deduct</i>	-0.35	
<i>For >500 To 1,000, Deduct</i>	-0.70	
<i>For >1,000 To 2,000, Deduct</i>	-1.04	
<i>For >2,000 To 5,000, Deduct</i>	-1.39	
<i>For >5,000, Deduct</i>	-1.74	
33 01 30 41-0053 LF 12" Diameter Pipe Line Auguring/Rod Out.....	7.47	
<i>For >250 To 500, Deduct</i>	-0.37	
<i>For >500 To 1,000, Deduct</i>	-0.75	
<i>For >1,000 To 2,000, Deduct</i>	-1.12	
<i>For >2,000 To 5,000, Deduct</i>	-1.49	
<i>For >5,000, Deduct</i>	-1.87	
33 01 30 41-0054 LF >12" To 16" Diameter Pipe Line Auguring/Rod Out.....	8.54	
<i>For >250 To 500, Deduct</i>	-0.43	
<i>For >500 To 1,000, Deduct</i>	-0.85	
<i>For >1,000 To 2,000, Deduct</i>	-1.28	
<i>For >2,000 To 5,000, Deduct</i>	-1.71	
<i>For >5,000, Deduct</i>	-2.14	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0055 LF >16" To 24" Diameter Pipe Line Auguring/Rod Out	10.49	
For>250 To 500, Deduct	-0.52	
For>500 To 1,000, Deduct	-1.05	
For>1,000 To 2,000, Deduct	-1.57	
For>2,000 To 5,000, Deduct	-2.10	
For>5,000, Deduct	-2.62	
33 01 30 41-0056 LF >24" To 30" Diameter Pipe Line Auguring/Rod Out	11.72	
For>250 To 500, Deduct	-0.59	
For>500 To 1,000, Deduct	-1.17	
For>1,000 To 2,000, Deduct	-1.76	
For>2,000 To 5,000, Deduct	-2.34	
For>5,000, Deduct	-2.93	
33 01 30 41-0057 LF >30" To 42" Diameter Pipe Line Auguring/Rod Out	13.58	
For>250 To 500, Deduct	-0.68	
For>500 To 1,000, Deduct	-1.36	
For>1,000 To 2,000, Deduct	-2.04	
For>2,000 To 5,000, Deduct	-2.72	
For>5,000, Deduct	-3.40	
33 01 30 41-0058 LF >42 To 60" Diameter Pipe Line Auguring/Rod Out	18.67	
For>250 To 500, Deduct	-0.93	
For>500 To 1,000, Deduct	-1.87	
For>1,000 To 2,000, Deduct	-2.80	
For>2,000 To 5,000, Deduct	-3.73	
For>5,000, Deduct	-4.67	
33 01 30 41-0059 LF >60" Diameter Pipe Line Auguring/Rod Out.....	19.92	
For>250 To 500, Deduct	-1.00	
For>500 To 1,000, Deduct	-1.99	
For>1,000 To 2,000, Deduct	-2.99	
For>2,000 To 5,000, Deduct	-3.98	
For>5,000, Deduct	-4.98	

33 01 30 42 Cleaning of Manholes (33 01 30)**33 01 30 42-0001 Structure Cleaning And Flushing (33 01 30 42)**

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations (33 01 30 42-0001)

33 01 30 42-0003 EA Rod Out Waste Water Drain	61.22	
33 01 30 42-0004 EA Rod Out Sewer Catch Basin	122.45	
33 01 30 42-0005 EA Up To 6" Diameter Pipe, Rod Out Blockage	24.49	
33 01 30 42-0006 EA 8" Diameter Pipe, Rod Out Blockage	26.94	
33 01 30 42-0007 EA 10" Diameter Pipe, Rod Out Blockage.....	30.61	
33 01 30 42-0008 EA 12" Diameter Pipe, Rod Out Blockage.....	35.51	
33 01 30 42-0009 EA >12" To 16" Diameter Pipe, Rod Out Blockage	41.63	
33 01 30 42-0010 EA >16" To 24" Diameter Pipe, Rod Out Blockage	48.98	
33 01 30 42-0011 EA >24" To 30" Diameter Pipe, Rod Out Blockage	57.55	
33 01 30 42-0012 EA >30" To 42" Diameter Pipe, Rod Out Blockage	66.12	
33 01 30 42-0013 EA >42" To 60" Diameter Pipe, Rod Out Blockage	77.14	
33 01 30 42-0014 EA >60" Diameter Pipe, Rod Out Blockage.....	91.83	
33 01 30 42-0015 EA Clean Out Debris From Entrance To Inlet Structure	306.11	
33 01 30 42-0016 EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand.....	861.33	
For>10 To 100, Deduct	-129.20	
For>100 To 250, Deduct	-193.80	
For>250, Deduct	-258.40	
33 01 30 42-0017 EA 5' To 6' Diameter, Clean Out Blocked Manhole By Hand.....	1,033.59	
For>10 To 100, Deduct	-155.04	
For>100 To 250, Deduct	-232.56	
For>250, Deduct	-310.08	
33 01 30 42-0018 EA Clean Out Blocked Catch Basin By Hand	516.80	
For>10 To 100, Deduct	-77.52	
For>100 To 250, Deduct	-116.28	
For>250, Deduct	-155.04	

33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum (33 01 30 42-0001)

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020 EA Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes	297.49	
33 01 30 42-0021 EA Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes	276.20	
33 01 30 42-0022 EA Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes	254.92	
33 01 30 42-0023 EA Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes	233.63	
33 01 30 42-0024 EA Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes	212.35	
33 01 30 42-0025 EA Jet/Vacuum Clean >250 Catch Basins Or Manholes	191.06	

33 01 30 43 Removal of Protruding Service Connection (33 01 30)**33 01 30 43-0001 Trim Protruding Service Taps (33 01 30 43)**

33 01 30 43-0002 EA Trim Protruding Service Tap, 4", Robotic.....	758.85	
33 01 30 43-0003 EA Trim Protruding Service Tap, 6", Robotic.....	834.73	
33 01 30 43-0004 EA Trim Protruding Service Tap, 8", Robotic.....	910.62	



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

33 01 30 51 Maintenance of Utilities (33 01 30)

33 01 30 51-0001

Pipe Repair (33 01 30 51)

Note: Excludes excavation and backfill where required

33 01 30 51-0002

Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001)

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		138.29	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		20.64	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		194.09	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		31.10	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		223.28	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		36.63	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		253.84	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		42.14	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		148.96	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		22.41	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		206.11	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		33.19	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		235.47	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		38.59	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		271.36	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		45.15	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		159.59	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		24.52	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		214.15	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		34.70	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		246.79	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		40.68	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		286.52	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		48.30	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		179.46	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		27.88	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		236.05	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		37.53	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		286.02	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		45.68	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		344.47	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		55.11	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		447.68	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		74.02	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		555.78	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		92.93	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		677.18	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		113.99	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		210.78	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		32.90	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		278.71	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		44.63	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		330.42	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		52.62	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		387.82	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		61.15	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		531.59	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		88.61	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		645.94	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		108.06	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		771.42	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		129.12	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		279.52	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		39.36	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		361.93	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		52.08	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		436.61	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		63.02	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		521.63	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		75.10	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		686.75	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		104.04	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		821.40	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		124.41	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		974.04	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		146.43	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		324.80	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		47.90	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		433.74	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		66.26	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		511.62	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		77.47	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		626.64	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		95.82	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		817.10	
		<i>For Stainless Steel Nuts And Bolts, Add</i>		129.97	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0041 EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	933.73	
<i>For Stainless Steel Nuts And Bolts, Add</i>	145.27	
33 01 30 51-0042 EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,195.03	
<i>For Stainless Steel Nuts And Bolts, Add</i>	191.65	
33 01 30 51-0043 EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	370.41	
<i>For Stainless Steel Nuts And Bolts, Add</i>	54.03	
33 01 30 51-0044 EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	481.80	
<i>For Stainless Steel Nuts And Bolts, Add</i>	71.86	
33 01 30 51-0045 EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	581.31	
<i>For Stainless Steel Nuts And Bolts, Add</i>	86.96	
33 01 30 51-0046 EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	713.68	
<i>For Stainless Steel Nuts And Bolts, Add</i>	108.06	
33 01 30 51-0047 EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	913.20	
<i>For Stainless Steel Nuts And Bolts, Add</i>	142.72	
33 01 30 51-0048 EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,075.56	
<i>For Stainless Steel Nuts And Bolts, Add</i>	166.67	
33 01 30 51-0049 EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,360.96	
<i>For Stainless Steel Nuts And Bolts, Add</i>	216.11	
33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands (33 01 30 51-0001)		
Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0051 EA 14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	795.71	
<i>For Stainless Steel Nuts And Bolts, Add</i>	207.89	
33 01 30 51-0052 EA 14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,122.92	
<i>For Stainless Steel Nuts And Bolts, Add</i>	300.12	
33 01 30 51-0053 EA 14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,509.35	
<i>For Stainless Steel Nuts And Bolts, Add</i>	407.00	
33 01 30 51-0054 EA 14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,210.00	
<i>For Stainless Steel Nuts And Bolts, Add</i>	613.43	
33 01 30 51-0055 EA 15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	835.29	
<i>For Stainless Steel Nuts And Bolts, Add</i>	218.12	
33 01 30 51-0056 EA 15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,175.62	
<i>For Stainless Steel Nuts And Bolts, Add</i>	314.03	
33 01 30 51-0057 EA 15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,576.59	
<i>For Stainless Steel Nuts And Bolts, Add</i>	424.56	
33 01 30 51-0058 EA 15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,317.06	
<i>For Stainless Steel Nuts And Bolts, Add</i>	642.70	
33 01 30 51-0059 EA 15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	857.72	
<i>For Stainless Steel Nuts And Bolts, Add</i>	222.53	
33 01 30 51-0060 EA 15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,205.06	
<i>For Stainless Steel Nuts And Bolts, Add</i>	319.90	
33 01 30 51-0061 EA 15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,619.50	
<i>For Stainless Steel Nuts And Bolts, Add</i>	434.08	
33 01 30 51-0062 EA 15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,378.27	
<i>For Stainless Steel Nuts And Bolts, Add</i>	656.60	
33 01 30 51-0063 EA 16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	881.47	
<i>For Stainless Steel Nuts And Bolts, Add</i>	226.92	
33 01 30 51-0064 EA 16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,238.67	
<i>For Stainless Steel Nuts And Bolts, Add</i>	326.48	
33 01 30 51-0065 EA 16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,662.14	
<i>For Stainless Steel Nuts And Bolts, Add</i>	442.13	
33 01 30 51-0066 EA 16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,440.08	
<i>For Stainless Steel Nuts And Bolts, Add</i>	669.79	
33 01 30 51-0067 EA 17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	903.11	
<i>For Stainless Steel Nuts And Bolts, Add</i>	230.58	
33 01 30 51-0068 EA 17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,267.94	
<i>For Stainless Steel Nuts And Bolts, Add</i>	331.60	
33 01 30 51-0069 EA 17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,704.77	
<i>For Stainless Steel Nuts And Bolts, Add</i>	450.18	
33 01 30 51-0070 EA 17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,496.79	
<i>For Stainless Steel Nuts And Bolts, Add</i>	680.76	
33 01 30 51-0071 EA 17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	923.36	
<i>For Stainless Steel Nuts And Bolts, Add</i>	234.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0072 EA 17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,297.36	
<i>For Stainless Steel Nuts And Bolts, Add</i>	337.45	
33 01 30 51-0073 EA 17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,742.59	
<i>For Stainless Steel Nuts And Bolts, Add</i>	457.50	
33 01 30 51-0074 EA 17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,534.56	
<i>For Stainless Steel Nuts And Bolts, Add</i>	686.25	
33 01 30 51-0075 EA 18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	946.25	
<i>For Stainless Steel Nuts And Bolts, Add</i>	238.81	
33 01 30 51-0076 EA 18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,331.76	
<i>For Stainless Steel Nuts And Bolts, Add</i>	344.77	
33 01 30 51-0077 EA 18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,782.49	
<i>For Stainless Steel Nuts And Bolts, Add</i>	465.55	
33 01 30 51-0078 EA 18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,611.98	
<i>For Stainless Steel Nuts And Bolts, Add</i>	705.65	
33 01 30 51-0079 Repair Couplings and Fittings (33 01 30 51-0001)		
33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0079)		
Note: Includes gaskets. Dresser style 88.		
33 01 30 51-0081 Copper Compression Repair Couplings (33 01 30 51-0080)		
33 01 30 51-0082 EA 1/2" Copper Compression Repair Coupling	106.21	
33 01 30 51-0083 EA 3/4" Copper Compression Repair Coupling	123.48	
33 01 30 51-0084 EA 1" Copper Compression Repair Coupling	145.19	
33 01 30 51-0085 EA 1-1/4" Copper Compression Repair Coupling	163.26	
33 01 30 51-0086 EA 1-1/2" Copper Compression Repair Coupling	253.20	
33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0080)		
33 01 30 51-0088 EA 1/2" Copper Compression Repair 90 Degree Elbow	128.02	
33 01 30 51-0089 EA 1" Copper Compression Repair 90 Degree Elbow	148.31	
33 01 30 51-0090 EA 1-1/2" Copper Compression Repair 90 Degree Elbow	302.77	
33 01 30 51-0091 EA 1" IPS x 1" CTS 90 Degree Plain End Street Elbow	119.11	
33 01 30 51-0092 EA 3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	107.14	
33 01 30 51-0093 EA 1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	125.42	
33 01 30 51-0094 EA 1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	155.38	
33 01 30 51-0095 Copper Compression Repair Fitting, Tees (33 01 30 51-0080)		
33 01 30 51-0096 EA 1/2" Copper Compression Repair Tee	235.48	
33 01 30 51-0097 EA 3/4" Copper Compression Repair Tee	181.34	
33 01 30 51-0098 EA 1" Copper Compression Repair Tee	215.50	
33 01 30 51-0099 EA 1" F x 1" M x 1" CTS Street Tee	176.85	
33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0080)		
33 01 30 51-0101 EA 3/4" M x 1/2" CTS Male Adapter	110.88	
33 01 30 51-0102 EA 3/4" M x 3/4" CTS Male Adapter	88.71	
33 01 30 51-0103 EA 1" M x 1" CTS Male Adapter	100.88	
33 01 30 51-0104 EA 1-1/4" M x 1" CTS Male Adapter	122.46	
33 01 30 51-0105 EA 1-1/4" M x 1-1/4" CTS Male Adapter	146.98	
33 01 30 51-0106 EA 1-1/2" M x 1" CTS Male Adapter	160.22	
33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0080)		
33 01 30 51-0108 EA 3/4" M x 3/4" CTS Female Adapter	130.13	
33 01 30 51-0109 EA 1" M x 1" CTS Female Adapter	137.59	
33 01 30 51-0110 Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079)		
Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0111 Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0110)		
Note: Includes gaskets.		
33 01 30 51-0112 EA 1/2" Coupling, Cast Body (Compression), 5" Middle Ring	79.11	
33 01 30 51-0113 EA 3/4" Coupling, Cast Body (Compression), 5" Middle Ring	80.35	
33 01 30 51-0114 EA 1" Coupling, Cast Body (Compression), 5" Middle Ring	90.56	
33 01 30 51-0115 EA 1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	100.85	
33 01 30 51-0116 EA 1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	124.67	
33 01 30 51-0117 EA 2" Coupling, Cast Body (Compression), 5" Middle Ring	151.64	
33 01 30 51-0118 EA 1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	81.27	
33 01 30 51-0119 EA 3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	82.74	
33 01 30 51-0120 EA 1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	90.92	
33 01 30 51-0121 EA 1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	101.96	
33 01 30 51-0122 EA 1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	128.31	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	153.24	
33 01 30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	154.66	
33 01 30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	180.94	
33 01 30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	188.41	
33 01 30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	212.04	
33 01 30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	258.00	

33 01 30 51-0129 Reducing Couplings For Steel Pipe (Compression) (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression)	87.58	
33 01 30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression)	92.91	
33 01 30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression)	104.80	
33 01 30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression)	108.79	
33 01 30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression)	208.05	
33 01 30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression)	130.87	
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression)	131.43	
33 01 30 51-0137	EA	2" x 3/4" Reducing Coupling (Compression)	248.50	
33 01 30 51-0138	EA	2" x 1" Reducing Coupling (Compression)	226.33	
33 01 30 51-0139	EA	2" x 1-1/4" Reducing Coupling (Compression)	173.57	
33 01 30 51-0140	EA	2" x 1-1/2" Reducing Coupling (Compression)	172.99	

33 01 30 51-0141 Steel Compression Repair Fittings, Elbows (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0142	EA	1" 45 Degree Elbow (Compression)	143.80	
33 01 30 51-0143	EA	1-1/4" 45 Degree Elbow (Compression)	150.03	
33 01 30 51-0144	EA	1-1/2" 45 Degree Elbow (Compression)	193.71	
33 01 30 51-0145	EA	2" 45 Degree Elbow (Compression)	244.36	
33 01 30 51-0146	EA	3/4" 90 Degree Elbow (Compression)	96.78	
33 01 30 51-0147	EA	1" 90 Degree Elbow (Compression)	100.61	
33 01 30 51-0148	EA	1-1/4" 90 Degree Elbow (Compression)	117.77	
33 01 30 51-0149	EA	1-1/2" 90 Degree Elbow (Compression)	167.55	
33 01 30 51-0150	EA	2" 90 Degree Elbow (Compression)	183.87	
33 01 30 51-0151	EA	3/4" Plain End 90 Degree Street Elbow (Compression)	97.09	
33 01 30 51-0152	EA	1" Plain End 90 Degree Street Elbow (Compression)	86.23	
33 01 30 51-0153	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression)	97.42	
33 01 30 51-0154	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression)	123.19	
33 01 30 51-0155	EA	2" Plain End 90 Degree Street Elbow (Compression)	158.78	
33 01 30 51-0156	EA	3/4" Threaded End 90 Degree Street Elbow (Compression)	100.21	
33 01 30 51-0157	EA	1" Threaded End 90 Degree Street Elbow (Compression)	92.08	
33 01 30 51-0158	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression)	119.16	
33 01 30 51-0159	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression)	143.93	
33 01 30 51-0160	EA	2" Threaded End 90 Degree Street Elbow (Compression)	203.14	

33 01 30 51-0161 Steel Compression Repair Fittings, Tees (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0162	EA	3/4" Street Tee (Compression)	107.46	
33 01 30 51-0163	EA	1" Street Tee (Compression)	126.45	
33 01 30 51-0164	EA	1-1/4" Street Tee (Compression)	128.36	
33 01 30 51-0165	EA	1-1/2" Street Tee (Compression)	148.69	
33 01 30 51-0166	EA	2" Street Tee (Compression)	223.01	
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression)	127.23	
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression)	132.90	
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression)	166.44	
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression)	192.04	
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression)	193.17	
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression)	164.03	
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression)	217.48	
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression)	245.92	
33 01 30 51-0175	EA	3/4" Welding Street Tee (Compression)	192.78	
33 01 30 51-0176	EA	1" Welding Street Tee (Compression)	193.98	
33 01 30 51-0177	EA	1-1/4" Welding Street Tee (Compression)	208.39	
33 01 30 51-0178	EA	1-1/2" Welding Street Tee (Compression)	251.06	
33 01 30 51-0179	EA	2" Welding Street Tee (Compression)	337.20	
33 01 30 51-0180	EA	3/4" Regular Tee (Compression)	143.14	
33 01 30 51-0181	EA	1" Regular Tee (Compression)	248.13	
33 01 30 51-0182	EA	1-1/4" Regular Tee (Compression)	262.43	
33 01 30 51-0183	EA	1-1/2" Regular Tee (Compression)	282.76	
33 01 30 51-0184	EA	2" Regular Tee (Compression)	314.16	
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Reducing Tee (Compression)	309.61	

33 01 30 51-0186 Steel Compression Repair Fittings, Male Adapters (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0187	EA	3/4" Male Adapter (Compression)	96.52	
33 01 30 51-0188	EA	1" Male Adapter (Compression)	107.70	
33 01 30 51-0189	EA	1-1/4" Male Adapter (Compression)	139.94	
33 01 30 51-0190	EA	1-1/2" Male Adapter (Compression)	158.46	
33 01 30 51-0191	EA	2" Male Adapter (Compression)	179.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0192 EA 1" x 1-1/4" Male Adapter (Compression).....	139.21	
33 01 30 51-0193 Steel Compression Repair Fittings, Line Caps (33 01 30 51-0110)		
Note: Includes armored gaskets.		
33 01 30 51-0194 EA 3/4" Line Caps (Compression).....	51.76	
33 01 30 51-0195 EA 1" Line Caps (Compression).....	60.26	
33 01 30 51-0196 EA 1-1/4" Line Caps (Compression).....	68.90	
33 01 30 51-0197 EA 1-1/2" Line Caps (Compression).....	81.22	
33 01 30 51-0198 EA 2" Line Caps (Compression).....	100.21	
33 01 30 51-0199 Couplings For Steel Pipe (33 01 30 51-0079)		
Note: Includes Buna S gasket, Dresser style 38		
33 01 30 51-0200 EA 1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket.....	78.38	
33 01 30 51-0201 EA 3/4" Coupling, 5" Middle Ring With Buna S Gasket.....	97.37	
33 01 30 51-0202 EA 1" Coupling, 5" Middle Ring With Buna S Gasket.....	112.44	
33 01 30 51-0203 EA 1-1/2" Coupling, 5" Middle Ring With Buna S Gasket.....	134.90	
33 01 30 51-0204 EA 2" Coupling, 4" Middle Ring With Buna S Gasket.....	166.74	
33 01 30 51-0205 EA 2" Coupling, 5" Middle Ring With Buna S Gasket.....	216.73	
33 01 30 51-0206 EA 2" Coupling, 7" Middle Ring With Buna S Gasket.....	204.29	
33 01 30 51-0207 EA 3" Coupling, 4" Middle Ring With Buna S Gasket.....	268.74	
33 01 30 51-0208 EA 3" Coupling, 5" Middle Ring With Buna S Gasket.....	276.27	
33 01 30 51-0209 EA 3" Coupling, 7" Middle Ring With Buna S Gasket.....	283.80	
33 01 30 51-0210 EA 4" Coupling, 4" Middle Ring With Buna S Gasket.....	313.14	
33 01 30 51-0211 EA 4" Coupling, 5" Middle Ring With Buna S Gasket.....	325.92	
33 01 30 51-0212 EA 4" Coupling, 7" Middle Ring With Buna S Gasket.....	341.94	
33 01 30 51-0213 EA 5" Coupling, 4" Middle Ring With Buna S Gasket.....	403.40	
33 01 30 51-0214 EA 5" Coupling, 5" Middle Ring With Buna S Gasket.....	408.44	
33 01 30 51-0215 EA 5" Coupling, 7" Middle Ring With Buna S Gasket.....	426.81	
33 01 30 51-0216 EA 6" Coupling, 4" Middle Ring With Buna S Gasket.....	432.40	
33 01 30 51-0217 EA 6" Coupling, 5" Middle Ring With Buna S Gasket.....	446.05	
33 01 30 51-0218 EA 6" Coupling, 7" Middle Ring With Buna S Gasket.....	463.48	
33 01 30 51-0219 EA 8" Coupling, 4" Middle Ring With Buna S Gasket.....	504.65	
33 01 30 51-0220 EA 8" Coupling, 5" Middle Ring With Buna S Gasket.....	524.82	
33 01 30 51-0221 EA 8" Coupling, 7" Middle Ring With Buna S Gasket.....	541.39	
33 01 30 51-0222 EA 10" Coupling, 5" Middle Ring With Buna S Gasket.....	617.65	
33 01 30 51-0223 EA 10" Coupling, 7" Middle Ring With Buna S Gasket.....	712.88	
33 01 30 51-0224 EA 12" Coupling, 5" Middle Ring With Buna S Gasket.....	701.88	
33 01 30 51-0225 EA 12" Coupling, 7" Middle Ring With Buna S Gasket.....	903.76	
33 01 30 51-0226 EA 14" Coupling, 7" Middle Ring With Buna S Gasket.....	1,042.39	
33 01 30 51-0227 EA 16" Coupling, 7" Middle Ring With Buna S Gasket.....	1,240.61	
33 01 30 51-0228 EA 18" Coupling, 7" Middle Ring With Buna S Gasket.....	1,364.07	
33 01 30 51-0229 EA 20" Coupling, 7" Middle Ring With Buna S Gasket.....	1,472.48	
33 01 30 51-0230 EA 22" Coupling, 7" Middle Ring With Buna S Gasket.....	1,833.08	
33 01 30 51-0231 EA 24" Coupling, 7" Middle Ring With Buna S Gasket.....	1,930.20	
33 01 30 51-0232 Couplings For Steel Pipe (33 01 30 51-0079)		
Note: Includes Buna S gasket, protected, Dresser style 38.		
33 01 30 51-0233 EA 1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected.....	80.54	
33 01 30 51-0234 EA 3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	97.07	
33 01 30 51-0235 EA 1" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	112.31	
33 01 30 51-0236 EA 1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	133.90	
33 01 30 51-0237 EA 2" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	195.46	
33 01 30 51-0238 EA 2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	191.51	
33 01 30 51-0239 EA 2" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	193.48	
33 01 30 51-0240 EA 3" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	283.80	
33 01 30 51-0241 EA 3" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	291.32	
33 01 30 51-0242 EA 3" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	298.85	
33 01 30 51-0243 EA 4" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	333.66	
33 01 30 51-0244 EA 4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	320.39	
33 01 30 51-0245 EA 4" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	327.37	
33 01 30 51-0246 EA 5" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	429.82	
33 01 30 51-0247 EA 5" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	433.51	
33 01 30 51-0248 EA 5" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	604.29	
33 01 30 51-0249 EA 6" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	440.48	
33 01 30 51-0250 EA 6" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	460.07	
33 01 30 51-0251 EA 6" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	467.63	
33 01 30 51-0252 EA 8" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	548.44	
33 01 30 51-0253 EA 8" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	555.88	
33 01 30 51-0254 EA 8" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	567.87	
33 01 30 51-0255 EA 10" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	635.71	
33 01 30 51-0256 EA 10" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	731.70	
33 01 30 51-0257 EA 12" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	720.70	
33 01 30 51-0258 EA 12" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	922.17	
33 01 30 51-0259 EA 14" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,061.21	
33 01 30 51-0260 EA 16" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,268.84	
33 01 30 51-0261 EA 18" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,401.71	
33 01 30 51-0262 EA 20" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,510.12	
33 01 30 51-0263 EA 22" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,870.72	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 51-0264 EA 24" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....1,967.84

33 01 30 51-0265**Couplings For Steel Pipe** (33 01 30 51-0079)

Note: Includes Buna N gasket, protected, Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected.....	93.92
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	110.69
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	128.29
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	154.66
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	195.46
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	229.07
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	240.25
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	283.80
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	291.32
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	298.85
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	333.66
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	360.50
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	370.70
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	429.82
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	433.51
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	476.61
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	440.48
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	460.07
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	467.63
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	548.44
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	555.88
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	567.87
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	635.71
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	731.70
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	720.70
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	922.17
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,061.21
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,240.61
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,401.71
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,510.12
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,870.72
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,967.84

33 01 30 51-0298**Couplings For Steel Pipe** (33 01 30 51-0079)

Note: Includes high temperature carded glass gasket, protected, Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	157.91
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	171.46
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	180.99
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	275.07
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	295.66
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	306.15
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	356.35
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	353.98
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	398.14
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	408.34
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	550.39
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	563.92
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	587.79
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	596.77
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	613.02
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	747.73
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	802.66
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	823.16
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	822.97
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	1,041.31
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,082.68
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,250.26
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,560.23
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,529.70
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,703.98
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,846.26
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	2,005.48

33 01 30 51-0326**Grind Offset Joint** (33 01 30 51-0001)

33 01 30 51-0327	EA	6" To 10", Grind Drop Offset Joint.....	455.30
33 01 30 51-0328	EA	>10" To 15", Grind Drop Offset Joint.....	607.08
33 01 30 51-0329	EA	>15" To 24", Grind Drop Offset Joint.....	758.85
33 01 30 51-0330	EA	>24" To 30", Grind Drop Offset Joint.....	910.62

33 01 30 51-0331**Pipe Plugging** (33 01 30 51-0001)**33 01 30 51-0332****Gravity Bladder Type, Temporary Pipe Plugging** (33 01 30 51-0331)

Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0333 EA 3/4" Bladder Type, Temporary Pipe Plug.....	76.90	
33 01 30 51-0334 EA 1" Bladder Type, Temporary Pipe Plug.....	82.27	
33 01 30 51-0335 EA 1-1/4" Bladder Type, Temporary Pipe Plug.....	88.73	
33 01 30 51-0336 EA 1-1/2" Bladder Type, Temporary Pipe Plug.....	94.76	
33 01 30 51-0337 EA 2" Bladder Type, Temporary Pipe Plug.....	100.57	
33 01 30 51-0338 EA 2-1/2" Bladder Type, Temporary Pipe Plug.....	107.02	
33 01 30 51-0339 EA 3" Bladder Type, Temporary Pipe Plug.....	115.10	
33 01 30 51-0340 EA 4" Bladder Type, Temporary Pipe Plug.....	126.59	
33 01 30 51-0341 EA 5" Bladder Type, Temporary Pipe Plug.....	137.20	
33 01 30 51-0342 EA 6" Bladder Type, Temporary Pipe Plug.....	153.09	
33 01 30 51-0343 EA 8" Bladder Type, Temporary Pipe Plug.....	169.93	
33 01 30 51-0344 EA 10" Bladder Type, Temporary Pipe Plug.....	196.99	
33 01 30 51-0345 EA 12" Bladder Type, Temporary Pipe Plug.....	229.84	
33 01 30 51-0346 EA 14" Bladder Type, Temporary Pipe Plug.....	273.67	
33 01 30 51-0347 EA 16" Bladder Type, Temporary Pipe Plug.....	329.73	
33 01 30 51-0348 EA 18" Bladder Type, Temporary Pipe Plug.....	397.09	
33 01 30 51-0349 EA 20" Bladder Type, Temporary Pipe Plug.....	472.69	
33 01 30 51-0350 EA 24" Bladder Type, Temporary Pipe Plug.....	545.55	
33 01 30 51-0351	Hydra Stop, Hot Tapping Of Pressure Pipe <small>(33 01 30 51-0331)</small>	
	Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.	
33 01 30 51-0352 EA 2" Hydra Stop, Line Stopper	2,669.72	
33 01 30 51-0353 EA 2-1/2" Hydra Stop, Line Stopper	3,350.04	
33 01 30 51-0354 EA 3" Hydra Stop, Line Stopper	4,107.68	
33 01 30 51-0355 EA 4" Hydra Stop, Line Stopper	4,952.81	
33 01 30 51-0356 EA 5" Hydra Stop, Line Stopper	5,578.82	
33 01 30 51-0357 EA 6" Hydra Stop, Line Stopper	6,573.11	
33 01 30 51-0358 EA 8" Hydra Stop, Line Stopper	7,199.13	
33 01 30 51-0359 EA 10" Hydra Stop, Line Stopper	8,193.39	
33 01 30 51-0360 EA 12" Hydra Stop, Line Stopper	9,187.69	
33 01 30 51-0361 EA 14" Hydra Stop, Line Stopper	10,246.38	
33 01 30 51-0362 EA 16" Hydra Stop, Line Stopper	11,691.79	
33 01 30 51-0363 EA 18" Hydra Stop, Line Stopper	13,330.48	
33 01 30 51-0364 EA 20" Hydra Stop, Line Stopper	15,871.26	
33 01 30 51-0365	Aluminum Expansion Plugs <small>(33 01 30 51-0331)</small>	
	Note: For use with PVC, clay Or cast iron drainage pipe.	
33 01 30 51-0366 EA 3" Pipe Aluminum Expansion Plug.....	79.46	
33 01 30 51-0367 EA 4" Pipe Aluminum Expansion Plug.....	113.02	
33 01 30 51-0368 EA 5" Pipe Aluminum Expansion Plug.....	127.23	
33 01 30 51-0369 EA 6" Pipe Aluminum Expansion Plug.....	191.45	
33 01 30 51-0370 EA 8" Pipe Aluminum Expansion Plug.....	196.93	
33 01 30 51-0371 EA 10" Pipe Aluminum Expansion Plug.....	245.48	
33 01 30 51-0372 EA 12" Pipe Aluminum Expansion Plug.....	330.43	
33 01 30 51-0373 EA 14" Pipe Aluminum Expansion Plug.....	530.56	
33 01 30 51-0374 EA 15" Pipe Aluminum Expansion Plug.....	574.34	
33 01 30 51-0375	Pipe Repair Clamp, Stainless Steel, 3" Long <small>(33 01 30 51-0001)</small>	
33 01 30 51-0376 EA 1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	189.73	
33 01 30 51-0377 EA 3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	189.91	
33 01 30 51-0378 EA 1" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	190.35	
33 01 30 51-0379 EA 1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	190.79	
33 01 30 51-0380 EA 1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	191.01	
33 01 30 51-0381 EA 2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	191.67	
33 01 30 51-0382 EA 2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	192.33	
33 01 30 51-0383 EA 3" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	193.21	
33 01 30 51-0384 EA 4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	349.09	
33 01 30 51-0385 EA 6" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	351.95	
33 01 30 51-0386 EA 8" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	353.94	
33 01 30 51-0387 EA 10" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	374.89	
33 01 30 51-0388 EA 12" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	377.54	
33 01 30 51-0389 EA 14" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	379.31	
33 01 30 51-0390 EA 16" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	381.95	
33 01 30 51-0391 EA 18" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	384.60	
33 01 30 51-0392 EA 20" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	388.13	
33 01 30 51-0393 EA 24" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	394.30	
33 01 30 51-0394	Polyseal Pipe Coupler <small>(33 01 30 51-0001)</small>	
33 01 30 51-0395 EA 18" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	396.49	
33 01 30 51-0396 EA 24" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	448.08	
33 01 30 63	Sewer and Pipe Joint Sealing <small>(33 01 30)</small>	
33 01 30 63-0001	Joint Air Test <small>(33 01 30 63)</small>	
33 01 30 63-0002 EA 4" To 8", Joint Air Test	112.15	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 63-0003 EA 10" To 15", Joint Air Test	130.84	
33 01 30 63-0004 EA >15" To 21", Joint Air Test	149.53	
33 01 30 63-0005 EA >21" To 24", Joint Air Test	186.91	
33 01 30 63-0006 EA >24" To 27", Joint Air Test	224.29	
33 01 30 63-0007 EA >27" To 36", Joint Air Test	261.67	
33 01 30 63-0008 Joint Seal And Joint Air Retest (33 01 30 63)		
Note: Includes grout.		
33 01 30 63-0009 EA 4" Joint Seal And Joint Air Retest	333.81	
Note: Includes up to 1 gallon of grout.		
33 01 30 63-0010 EA 6" Joint Seal And Joint Air Retest	371.18	
Note: Includes 1 gallon of grout.		
33 01 30 63-0011 EA 8" Joint Seal And Joint Air Retest	443.30	
Note: Includes 2 gallons of grout.		
33 01 30 63-0012 EA 10" Joint Seal And Joint Air Retest	498.06	
Note: Includes 2.5 gallons of grout.		
33 01 30 63-0013 EA 12" Joint Seal And Joint Air Retest	552.81	
Note: Includes 3 gallons of grout.		
33 01 30 63-0014 EA 15" Joint Seal And Joint Air Retest	653.64	
Note: Includes 3.75 gallons of grout.		
33 01 30 63-0015 EA 18" Joint Seal And Joint Air Retest	754.46	
Note: Includes 4.5 gallons of grout.		
33 01 30 63-0016 EA 21" Joint Seal And Joint Air Retest	855.28	
Note: Includes 5.25 gallons of grout.		
33 01 30 63-0017 EA 24" Joint Seal And Joint Air Retest	993.49	
Note: Includes 6 gallons of grout.		
33 01 30 63-0018 EA 27" Joint Seal And Joint Air Retest	1,131.69	
Note: Includes 6.75 gallons of grout.		
33 01 30 63-0019 EA 30" Joint Seal And Joint Air Retest	1,307.27	
Note: Includes 7.5 gallons of grout.		
33 01 30 63-0020 EA 36" Joint Seal And Joint Air Retest	1,508.92	
Note: Includes 9 gallons of grout.		
33 01 30 63-0021 GAL Extra Grout Per Joint	184.28	
Note: For extra grout per joint required over listed amount.		
33 01 30 71 Relining Sewer Utilities Pipelines (33 01 30)		
33 01 30 71-0001 Relining Underground Pipelines (33 01 30 71)		
Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 71-0002 Lining Pipe With Rib Loc (33 01 30 71-0001)		
33 01 30 71-0003 LF Lining 6" Pipe With Rib Loc	48.09	
For >500 To 1,000, Deduct	-1.22	
For >1,000 To 2,000, Deduct	-2.37	
For >2,000 To 5,000, Deduct	-3.66	
For >5,000, Deduct	-5.45	
33 01 30 71-0004 LF Lining 8" Pipe With Rib Loc	53.52	
For >500 To 1,000, Deduct	-1.35	
For >1,000 To 2,000, Deduct	-2.63	
For >2,000 To 5,000, Deduct	-4.05	
For >5,000, Deduct	-6.05	
33 01 30 71-0005 LF Lining 10" Pipe With Rib Loc	74.33	
For >500 To 1,000, Deduct	-1.79	
For >1,000 To 2,000, Deduct	-3.51	
For >2,000 To 5,000, Deduct	-5.37	
For >5,000, Deduct	-8.19	
33 01 30 71-0006 LF Lining 12" Pipe With Rib Loc	94.74	
For >500 To 1,000, Deduct	-2.23	
For >1,000 To 2,000, Deduct	-4.38	
For >2,000 To 5,000, Deduct	-6.69	
For >5,000, Deduct	-10.31	
33 01 30 71-0007 LF Lining 15" Pipe With Rib Loc	126.29	
For >500 To 1,000, Deduct	-2.91	
For >1,000 To 2,000, Deduct	-5.72	
For >2,000 To 5,000, Deduct	-8.72	
For >5,000, Deduct	-13.58	
33 01 30 71-0008 LF Lining 18" Pipe With Rib Loc	163.06	
For >500 To 1,000, Deduct	-3.69	
For >1,000 To 2,000, Deduct	-7.27	
For >2,000 To 5,000, Deduct	-11.07	
For >5,000, Deduct	-17.38	
33 01 30 71-0009 LF Lining 21" Pipe With Rib Loc	204.98	
For >500 To 1,000, Deduct	-4.56	
For >1,000 To 2,000, Deduct	-9.01	
For >2,000 To 5,000, Deduct	-13.69	
For >5,000, Deduct	-21.66	
33 01 30 71-0010 LF Lining 24" Pipe With Rib Loc	253.83	
For >500 To 1,000, Deduct	-5.58	
For >1,000 To 2,000, Deduct	-11.04	
For >2,000 To 5,000, Deduct	-16.75	
For >5,000, Deduct	-26.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0011 LF Lining 27" Pipe With Rib Loc.....	304.20	
<i>For >500 To 1,000, Deduct</i>	-6.64	
<i>For >1,000 To 2,000, Deduct</i>	-13.14	
<i>For >2,000 To 5,000, Deduct</i>	-19.93	
<i>For >5,000, Deduct</i>	-31.82	
33 01 30 71-0012 LF Lining 30" Pipe With Rib Loc.....	361.01	
<i>For >500 To 1,000, Deduct</i>	-7.84	
<i>For >1,000 To 2,000, Deduct</i>	-15.53	
<i>For >2,000 To 5,000, Deduct</i>	-23.52	
<i>For >5,000, Deduct</i>	-37.65	
33 01 30 71-0013 LF Lining 36" Pipe With Rib Loc.....	460.59	
<i>For >500 To 1,000, Deduct</i>	-9.91	
<i>For >1,000 To 2,000, Deduct</i>	-19.64	
<i>For >2,000 To 5,000, Deduct</i>	-29.73	
<i>For >5,000, Deduct</i>	-47.80	
33 01 30 71-0014 LF Lining 42" Pipe With Rib Loc.....	573.78	
<i>For >500 To 1,000, Deduct</i>	-12.27	
<i>For >1,000 To 2,000, Deduct</i>	-24.35	
<i>For >2,000 To 5,000, Deduct</i>	-36.82	
<i>For >5,000, Deduct</i>	-59.37	
33 01 30 71-0015 LF Lining 48" Pipe With Rib Loc.....	702.46	
<i>For >500 To 1,000, Deduct</i>	-14.98	
<i>For >1,000 To 2,000, Deduct</i>	-29.73	
<i>For >2,000 To 5,000, Deduct</i>	-44.94	
<i>For >5,000, Deduct</i>	-72.57	
33 01 30 71-0016 LF Lining 54" Pipe With Rib Loc.....	830.65	
<i>For >500 To 1,000, Deduct</i>	-17.73	
<i>For >1,000 To 2,000, Deduct</i>	-35.18	
<i>For >2,000 To 5,000, Deduct</i>	-53.19	
<i>For >5,000, Deduct</i>	-85.85	
33 01 30 71-0017 LF Lining 60" Pipe With Rib Loc.....	980.10	
<i>For >500 To 1,000, Deduct</i>	-21.12	
<i>For >1,000 To 2,000, Deduct</i>	-41.87	
<i>For >2,000 To 5,000, Deduct</i>	-63.37	
<i>For >5,000, Deduct</i>	-101.81	
33 01 30 71-0018 LF Lining 66" Pipe With Rib Loc.....	1,163.70	
<i>For >500 To 1,000, Deduct</i>	-25.67	
<i>For >1,000 To 2,000, Deduct</i>	-50.73	
<i>For >2,000 To 5,000, Deduct</i>	-77.00	
<i>For >5,000, Deduct</i>	-122.35	
33 01 30 71-0019 LF Lining 72" Pipe With Rib Loc.....	1,405.23	
<i>For >500 To 1,000, Deduct</i>	-32.29	
<i>For >1,000 To 2,000, Deduct</i>	-63.53	
<i>For >2,000 To 5,000, Deduct</i>	-96.87	
<i>For >5,000, Deduct</i>	-150.98	
33 01 30 71-0020 Lining Pipe, Spray Applied With Structural Polyurethane <small>(33 01 30 71-0001)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0021 Mobilization And Setup For Spray Applied Structural Polyurethane Lining <small>(33 01 30 71-0020)</small>		
33 01 30 71-0022 EA Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining.....	1,802.93	
33 01 30 71-0023 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane <small>(33 01 30 71-0020)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0024 LF 36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	57.27	
<i>For Up To 75, Add</i>	12.43	
<i>For >75 To 150, Add</i>	5.73	
<i>For >500 To 1,000, Deduct</i>	-1.53	
<i>For >1,000 To 2,000, Deduct</i>	-2.97	
<i>For >2,000 To 5,000, Deduct</i>	-4.60	
<i>For >5,000, Deduct</i>	-6.70	
33 01 30 71-0025 LF 42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	66.82	
<i>For Up To 75, Add</i>	14.50	
<i>For >75 To 150, Add</i>	6.68	
<i>For >500 To 1,000, Deduct</i>	-1.79	
<i>For >1,000 To 2,000, Deduct</i>	-3.47	
<i>For >2,000 To 5,000, Deduct</i>	-5.37	
<i>For >5,000, Deduct</i>	-7.82	
33 01 30 71-0026 LF 48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	76.37	
<i>For Up To 75, Add</i>	16.57	
<i>For >75 To 150, Add</i>	7.64	
<i>For >500 To 1,000, Deduct</i>	-2.05	
<i>For >1,000 To 2,000, Deduct</i>	-3.96	
<i>For >2,000 To 5,000, Deduct</i>	-6.14	
<i>For >5,000, Deduct</i>	-8.93	
33 01 30 71-0027 LF 54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	85.90	
<i>For Up To 75, Add</i>	18.64	
<i>For >75 To 150, Add</i>	8.59	
<i>For >500 To 1,000, Deduct</i>	-2.30	
<i>For >1,000 To 2,000, Deduct</i>	-4.46	
<i>For >2,000 To 5,000, Deduct</i>	-6.90	
<i>For >5,000, Deduct</i>	-10.05	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0028 LF 60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	95.46	
For Up To 75, Add	20.71	
For >75 To 150, Add	9.55	
For >500 To 1,000, Deduct	-2.56	
For >1,000 To 2,000, Deduct	-4.95	
For >2,000 To 5,000, Deduct	-7.67	
For >5,000, Deduct	-11.17	
33 01 30 71-0029 LF 66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	104.99	
For Up To 75, Add	22.78	
For >75 To 150, Add	10.50	
For >500 To 1,000, Deduct	-2.81	
For >1,000 To 2,000, Deduct	-5.45	
For >2,000 To 5,000, Deduct	-8.44	
For >5,000, Deduct	-12.28	
33 01 30 71-0030 LF 72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	114.54	
For Up To 75, Add	24.85	
For >75 To 150, Add	11.45	
For >500 To 1,000, Deduct	-3.07	
For >1,000 To 2,000, Deduct	-5.94	
For >2,000 To 5,000, Deduct	-9.21	
For >5,000, Deduct	-13.40	
33 01 30 71-0031 LF 78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	124.08	
For Up To 75, Add	26.92	
For >75 To 150, Add	12.41	
For >500 To 1,000, Deduct	-3.32	
For >1,000 To 2,000, Deduct	-6.44	
For >2,000 To 5,000, Deduct	-9.97	
For >5,000, Deduct	-14.51	
33 01 30 71-0032 LF 84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	133.63	
For Up To 75, Add	29.00	
For >75 To 150, Add	13.36	
For >500 To 1,000, Deduct	-3.58	
For >1,000 To 2,000, Deduct	-6.93	
For >2,000 To 5,000, Deduct	-10.74	
For >5,000, Deduct	-15.63	
33 01 30 71-0033 LF 90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	143.16	
For Up To 75, Add	31.06	
For >75 To 150, Add	14.32	
For >500 To 1,000, Deduct	-3.84	
For >1,000 To 2,000, Deduct	-7.43	
For >2,000 To 5,000, Deduct	-11.51	
For >5,000, Deduct	-16.75	
33 01 30 71-0034 LF 96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	152.72	
For Up To 75, Add	33.14	
For >75 To 150, Add	15.27	
For >500 To 1,000, Deduct	-4.09	
For >1,000 To 2,000, Deduct	-7.92	
For >2,000 To 5,000, Deduct	-12.27	
For >5,000, Deduct	-17.87	
33 01 30 71-0035 LF 102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	162.27	
For Up To 75, Add	35.21	
For >75 To 150, Add	16.23	
For >500 To 1,000, Deduct	-4.35	
For >1,000 To 2,000, Deduct	-8.42	
For >2,000 To 5,000, Deduct	-13.04	
For >5,000, Deduct	-18.98	
33 01 30 71-0036 LF 108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	171.81	
For Up To 75, Add	37.28	
For >75 To 150, Add	17.18	
For >500 To 1,000, Deduct	-4.60	
For >1,000 To 2,000, Deduct	-8.91	
For >2,000 To 5,000, Deduct	-13.81	
For >5,000, Deduct	-20.10	
33 01 30 71-0037 LF 114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	181.36	
For Up To 75, Add	39.35	
For >75 To 150, Add	18.14	
For >500 To 1,000, Deduct	-4.86	
For >1,000 To 2,000, Deduct	-9.41	
For >2,000 To 5,000, Deduct	-14.58	
For >5,000, Deduct	-21.22	
33 01 30 71-0038 LF 120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	190.90	
For Up To 75, Add	41.42	
For >75 To 150, Add	19.09	
For >500 To 1,000, Deduct	-5.11	
For >1,000 To 2,000, Deduct	-9.91	
For >2,000 To 5,000, Deduct	-15.34	
For >5,000, Deduct	-22.33	
33 01 30 71-0039 SF Structure Lining, Spray Applied With 100 mil Structural Polyurethane.....	6.07	

33 01 30 71-0040 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane (33 01 30 71-0020)
Note: Two part structural polyurethane.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0041 LF 36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	77.25	
<i>For Up To 75, Add</i>	16.47	
<i>For >75 To 150, Add</i>	7.73	
<i>For >500 To 1,000, Deduct</i>	-1.95	
<i>For >1,000 To 2,000, Deduct</i>	-3.81	
<i>For >2,000 To 5,000, Deduct</i>	-5.86	
<i>For >5,000, Deduct</i>	-8.75	
33 01 30 71-0042 LF 42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	90.11	
<i>For Up To 75, Add</i>	19.22	
<i>For >75 To 150, Add</i>	9.01	
<i>For >500 To 1,000, Deduct</i>	-2.28	
<i>For >1,000 To 2,000, Deduct</i>	-4.44	
<i>For >2,000 To 5,000, Deduct</i>	-6.84	
<i>For >5,000, Deduct</i>	-10.21	
33 01 30 71-0043 LF 48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	102.99	
<i>For Up To 75, Add</i>	21.96	
<i>For >75 To 150, Add</i>	10.30	
<i>For >500 To 1,000, Deduct</i>	-2.61	
<i>For >1,000 To 2,000, Deduct</i>	-5.08	
<i>For >2,000 To 5,000, Deduct</i>	-7.82	
<i>For >5,000, Deduct</i>	-11.66	
33 01 30 71-0044 LF 54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	115.85	
<i>For Up To 75, Add</i>	24.71	
<i>For >75 To 150, Add</i>	11.59	
<i>For >500 To 1,000, Deduct</i>	-2.93	
<i>For >1,000 To 2,000, Deduct</i>	-5.71	
<i>For >2,000 To 5,000, Deduct</i>	-8.79	
<i>For >5,000, Deduct</i>	-13.12	
33 01 30 71-0045 LF 60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	128.73	
<i>For Up To 75, Add</i>	27.45	
<i>For >75 To 150, Add</i>	12.87	
<i>For >500 To 1,000, Deduct</i>	-3.26	
<i>For >1,000 To 2,000, Deduct</i>	-6.34	
<i>For >2,000 To 5,000, Deduct</i>	-9.77	
<i>For >5,000, Deduct</i>	-14.58	
33 01 30 71-0046 LF 66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	141.59	
<i>For Up To 75, Add</i>	30.19	
<i>For >75 To 150, Add</i>	14.16	
<i>For >500 To 1,000, Deduct</i>	-3.58	
<i>For >1,000 To 2,000, Deduct</i>	-6.98	
<i>For >2,000 To 5,000, Deduct</i>	-10.75	
<i>For >5,000, Deduct</i>	-16.04	
33 01 30 71-0047 LF 72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	154.48	
<i>For Up To 75, Add</i>	32.94	
<i>For >75 To 150, Add</i>	15.45	
<i>For >500 To 1,000, Deduct</i>	-3.91	
<i>For >1,000 To 2,000, Deduct</i>	-7.61	
<i>For >2,000 To 5,000, Deduct</i>	-11.73	
<i>For >5,000, Deduct</i>	-17.50	
33 01 30 71-0048 LF 78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	167.35	
<i>For Up To 75, Add</i>	35.69	
<i>For >75 To 150, Add</i>	16.74	
<i>For >500 To 1,000, Deduct</i>	-4.23	
<i>For >1,000 To 2,000, Deduct</i>	-8.25	
<i>For >2,000 To 5,000, Deduct</i>	-12.70	
<i>For >5,000, Deduct</i>	-18.95	
33 01 30 71-0049 LF 84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	180.23	
<i>For Up To 75, Add</i>	38.43	
<i>For >75 To 150, Add</i>	18.02	
<i>For >500 To 1,000, Deduct</i>	-4.56	
<i>For >1,000 To 2,000, Deduct</i>	-8.88	
<i>For >2,000 To 5,000, Deduct</i>	-13.68	
<i>For >5,000, Deduct</i>	-20.41	
33 01 30 71-0050 LF 90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	193.10	
<i>For Up To 75, Add</i>	41.18	
<i>For >75 To 150, Add</i>	19.31	
<i>For >500 To 1,000, Deduct</i>	-4.89	
<i>For >1,000 To 2,000, Deduct</i>	-9.52	
<i>For >2,000 To 5,000, Deduct</i>	-14.66	
<i>For >5,000, Deduct</i>	-21.87	
33 01 30 71-0051 LF 96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	205.97	
<i>For Up To 75, Add</i>	43.92	
<i>For >75 To 150, Add</i>	20.60	
<i>For >500 To 1,000, Deduct</i>	-5.21	
<i>For >1,000 To 2,000, Deduct</i>	-10.15	
<i>For >2,000 To 5,000, Deduct</i>	-15.63	
<i>For >5,000, Deduct</i>	-23.33	
33 01 30 71-0052 LF 102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	218.84	
<i>For Up To 75, Add</i>	46.67	
<i>For >75 To 150, Add</i>	21.88	
<i>For >500 To 1,000, Deduct</i>	-5.54	
<i>For >1,000 To 2,000, Deduct</i>	-10.78	
<i>For >2,000 To 5,000, Deduct</i>	-16.61	
<i>For >5,000, Deduct</i>	-24.78	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0053 LF 108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	231.72	
For Up To 75, Add	49.42	
For >75 To 150, Add	23.17	
For >500 To 1,000, Deduct	-5.86	
For >1,000 To 2,000, Deduct	-11.42	
For >2,000 To 5,000, Deduct	-17.59	
For >5,000, Deduct	-26.24	
33 01 30 71-0054 LF 114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	244.60	
For Up To 75, Add	52.16	
For >75 To 150, Add	24.46	
For >500 To 1,000, Deduct	-6.19	
For >1,000 To 2,000, Deduct	-12.05	
For >2,000 To 5,000, Deduct	-18.57	
For >5,000, Deduct	-27.70	
33 01 30 71-0055 LF 120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	257.47	
For Up To 75, Add	54.91	
For >75 To 150, Add	25.75	
For >500 To 1,000, Deduct	-6.51	
For >1,000 To 2,000, Deduct	-12.69	
For >2,000 To 5,000, Deduct	-19.54	
For >5,000, Deduct	-29.16	
33 01 30 71-0056 SF Structure Lining, Spray Applied With 150 mil Structural Polyurethane.....	8.19	
33 01 30 71-0057 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane (33 01 30 71-0020)		
Note: Two part structural polyurethane.		
33 01 30 71-0058 LF 36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	97.19	
For Up To 75, Add	20.52	
For >75 To 150, Add	9.72	
For >500 To 1,000, Deduct	-2.37	
For >1,000 To 2,000, Deduct	-4.64	
For >2,000 To 5,000, Deduct	-7.12	
For >5,000, Deduct	-10.80	
33 01 30 71-0059 LF 42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	113.39	
For Up To 75, Add	23.94	
For >75 To 150, Add	11.34	
For >500 To 1,000, Deduct	-2.77	
For >1,000 To 2,000, Deduct	-5.42	
For >2,000 To 5,000, Deduct	-8.31	
For >5,000, Deduct	-12.60	
33 01 30 71-0060 LF 48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	129.59	
For Up To 75, Add	27.35	
For >75 To 150, Add	12.96	
For >500 To 1,000, Deduct	-3.17	
For >1,000 To 2,000, Deduct	-6.19	
For >2,000 To 5,000, Deduct	-9.50	
For >5,000, Deduct	-14.40	
33 01 30 71-0061 LF 54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	145.78	
For Up To 75, Add	30.77	
For >75 To 150, Add	14.58	
For >500 To 1,000, Deduct	-3.56	
For >1,000 To 2,000, Deduct	-6.96	
For >2,000 To 5,000, Deduct	-10.69	
For >5,000, Deduct	-16.19	
33 01 30 71-0062 LF 60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	161.98	
For Up To 75, Add	34.19	
For >75 To 150, Add	16.20	
For >500 To 1,000, Deduct	-3.96	
For >1,000 To 2,000, Deduct	-7.74	
For >2,000 To 5,000, Deduct	-11.87	
For >5,000, Deduct	-17.99	
33 01 30 71-0063 LF 66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	178.18	
For Up To 75, Add	37.61	
For >75 To 150, Add	17.82	
For >500 To 1,000, Deduct	-4.35	
For >1,000 To 2,000, Deduct	-8.51	
For >2,000 To 5,000, Deduct	-13.06	
For >5,000, Deduct	-19.79	
33 01 30 71-0064 LF 72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	194.39	
For Up To 75, Add	41.03	
For >75 To 150, Add	19.44	
For >500 To 1,000, Deduct	-4.75	
For >1,000 To 2,000, Deduct	-9.28	
For >2,000 To 5,000, Deduct	-14.25	
For >5,000, Deduct	-21.59	
33 01 30 71-0065 LF 78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	210.58	
For Up To 75, Add	44.45	
For >75 To 150, Add	21.06	
For >500 To 1,000, Deduct	-5.15	
For >1,000 To 2,000, Deduct	-10.06	
For >2,000 To 5,000, Deduct	-15.44	
For >5,000, Deduct	-23.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0066 LF 84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	226.79	
<i>For Up To 75, Add</i>	47.87	
<i>For >75 To 150, Add</i>	22.68	
<i>For >500 To 1,000, Deduct</i>	-5.54	
<i>For >1,000 To 2,000, Deduct</i>	-10.83	
<i>For >2,000 To 5,000, Deduct</i>	-16.62	
<i>For >5,000, Deduct</i>	-25.19	
33 01 30 71-0067 LF 90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	242.98	
<i>For Up To 75, Add</i>	51.29	
<i>For >75 To 150, Add</i>	24.30	
<i>For >500 To 1,000, Deduct</i>	-5.94	
<i>For >1,000 To 2,000, Deduct</i>	-11.60	
<i>For >2,000 To 5,000, Deduct</i>	-17.81	
<i>For >5,000, Deduct</i>	-26.99	
33 01 30 71-0068 LF 96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	259.19	
<i>For Up To 75, Add</i>	54.71	
<i>For >75 To 150, Add</i>	25.92	
<i>For >500 To 1,000, Deduct</i>	-6.33	
<i>For >1,000 To 2,000, Deduct</i>	-12.38	
<i>For >2,000 To 5,000, Deduct</i>	-19.00	
<i>For >5,000, Deduct</i>	-28.79	
33 01 30 71-0069 LF 102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	275.37	
<i>For Up To 75, Add</i>	58.13	
<i>For >75 To 150, Add</i>	27.54	
<i>For >500 To 1,000, Deduct</i>	-6.73	
<i>For >1,000 To 2,000, Deduct</i>	-13.15	
<i>For >2,000 To 5,000, Deduct</i>	-20.19	
<i>For >5,000, Deduct</i>	-30.59	
33 01 30 71-0070 LF 108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	291.57	
<i>For Up To 75, Add</i>	61.55	
<i>For >75 To 150, Add</i>	29.16	
<i>For >500 To 1,000, Deduct</i>	-7.12	
<i>For >1,000 To 2,000, Deduct</i>	-13.93	
<i>For >2,000 To 5,000, Deduct</i>	-21.37	
<i>For >5,000, Deduct</i>	-32.39	
33 01 30 71-0071 LF 114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	307.78	
<i>For Up To 75, Add</i>	64.97	
<i>For >75 To 150, Add</i>	30.78	
<i>For >500 To 1,000, Deduct</i>	-7.52	
<i>For >1,000 To 2,000, Deduct</i>	-14.70	
<i>For >2,000 To 5,000, Deduct</i>	-22.56	
<i>For >5,000, Deduct</i>	-34.19	
33 01 30 71-0072 LF 120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	323.97	
<i>For Up To 75, Add</i>	68.39	
<i>For >75 To 150, Add</i>	32.40	
<i>For >500 To 1,000, Deduct</i>	-7.92	
<i>For >1,000 To 2,000, Deduct</i>	-15.47	
<i>For >2,000 To 5,000, Deduct</i>	-23.75	
<i>For >5,000, Deduct</i>	-35.99	
33 01 30 71-0073 SF Structure Lining, Spray Applied With 200 mil Structural Polyurethane.....	10.32	
33 01 30 71-0074 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane <small>(33 01 30 71-0020)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0075 LF 36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	117.23	
<i>For Up To 75, Add</i>	24.58	
<i>For >75 To 150, Add</i>	11.72	
<i>For >500 To 1,000, Deduct</i>	-2.80	
<i>For >1,000 To 2,000, Deduct</i>	-5.48	
<i>For >2,000 To 5,000, Deduct</i>	-8.39	
<i>For >5,000, Deduct</i>	-12.86	
33 01 30 71-0076 LF 42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	136.77	
<i>For Up To 75, Add</i>	28.68	
<i>For >75 To 150, Add</i>	13.68	
<i>For >500 To 1,000, Deduct</i>	-3.26	
<i>For >1,000 To 2,000, Deduct</i>	-6.40	
<i>For >2,000 To 5,000, Deduct</i>	-9.79	
<i>For >5,000, Deduct</i>	-15.00	
33 01 30 71-0077 LF 48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	156.31	
<i>For Up To 75, Add</i>	32.77	
<i>For >75 To 150, Add</i>	15.63	
<i>For >500 To 1,000, Deduct</i>	-3.73	
<i>For >1,000 To 2,000, Deduct</i>	-7.31	
<i>For >2,000 To 5,000, Deduct</i>	-11.19	
<i>For >5,000, Deduct</i>	-17.14	
33 01 30 71-0078 LF 54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	175.85	
<i>For Up To 75, Add</i>	36.87	
<i>For >75 To 150, Add</i>	17.59	
<i>For >500 To 1,000, Deduct</i>	-4.20	
<i>For >1,000 To 2,000, Deduct</i>	-8.22	
<i>For >2,000 To 5,000, Deduct</i>	-12.59	
<i>For >5,000, Deduct</i>	-19.29	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0079 LF 60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	195.40	
For Up To 75, Add	40.97	
For >75 To 150, Add	19.54	
For >500 To 1,000, Deduct	-4.66	
For >1,000 To 2,000, Deduct	-9.14	
For >2,000 To 5,000, Deduct	-13.99	
For >5,000, Deduct	-21.43	
33 01 30 71-0080 LF 66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	214.93	
For Up To 75, Add	45.07	
For >75 To 150, Add	21.49	
For >500 To 1,000, Deduct	-5.13	
For >1,000 To 2,000, Deduct	-10.05	
For >2,000 To 5,000, Deduct	-15.39	
For >5,000, Deduct	-23.57	
33 01 30 71-0081 LF 72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	234.48	
For Up To 75, Add	49.16	
For >75 To 150, Add	23.45	
For >500 To 1,000, Deduct	-5.60	
For >1,000 To 2,000, Deduct	-10.97	
For >2,000 To 5,000, Deduct	-16.79	
For >5,000, Deduct	-25.72	
33 01 30 71-0082 LF 78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	254.02	
For Up To 75, Add	53.26	
For >75 To 150, Add	25.40	
For >500 To 1,000, Deduct	-6.06	
For >1,000 To 2,000, Deduct	-11.88	
For >2,000 To 5,000, Deduct	-18.19	
For >5,000, Deduct	-27.86	
33 01 30 71-0083 LF 84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	273.56	
For Up To 75, Add	57.36	
For >75 To 150, Add	27.36	
For >500 To 1,000, Deduct	-6.53	
For >1,000 To 2,000, Deduct	-12.79	
For >2,000 To 5,000, Deduct	-19.59	
For >5,000, Deduct	-30.00	
33 01 30 71-0084 LF 90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	293.11	
For Up To 75, Add	61.46	
For >75 To 150, Add	29.31	
For >500 To 1,000, Deduct	-7.00	
For >1,000 To 2,000, Deduct	-13.71	
For >2,000 To 5,000, Deduct	-20.99	
For >5,000, Deduct	-32.15	
33 01 30 71-0085 LF 96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	312.63	
For Up To 75, Add	65.55	
For >75 To 150, Add	31.26	
For >500 To 1,000, Deduct	-7.46	
For >1,000 To 2,000, Deduct	-14.62	
For >2,000 To 5,000, Deduct	-22.39	
For >5,000, Deduct	-34.29	
33 01 30 71-0086 LF 102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	332.16	
For Up To 75, Add	69.65	
For >75 To 150, Add	33.22	
For >500 To 1,000, Deduct	-7.93	
For >1,000 To 2,000, Deduct	-15.54	
For >2,000 To 5,000, Deduct	-23.79	
For >5,000, Deduct	-36.43	
33 01 30 71-0087 LF 108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	351.71	
For Up To 75, Add	73.74	
For >75 To 150, Add	35.17	
For >500 To 1,000, Deduct	-8.40	
For >1,000 To 2,000, Deduct	-16.45	
For >2,000 To 5,000, Deduct	-25.19	
For >5,000, Deduct	-38.57	
33 01 30 71-0088 LF 114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	371.25	
For Up To 75, Add	77.84	
For >75 To 150, Add	37.13	
For >500 To 1,000, Deduct	-8.86	
For >1,000 To 2,000, Deduct	-17.36	
For >2,000 To 5,000, Deduct	-26.58	
For >5,000, Deduct	-40.72	
33 01 30 71-0089 LF 120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	390.79	
For Up To 75, Add	81.94	
For >75 To 150, Add	39.08	
For >500 To 1,000, Deduct	-9.33	
For >1,000 To 2,000, Deduct	-18.28	
For >2,000 To 5,000, Deduct	-27.98	
For >5,000, Deduct	-42.86	
33 01 30 71-0090 SF Structure Lining, Spray Applied With 250 mil Structural Polyurethane.....	12.44	

33 01 30 71-0091 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane (33 01 30 71-0020)

Note: Two part structural polyurethane.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0092 LF 36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	137.42	
<i>For Up To 75, Add</i>	28.68	
<i>For >75 To 150, Add</i>	13.74	
<i>For >500 To 1,000, Deduct</i>	-3.23	
<i>For >1,000 To 2,000, Deduct</i>	-6.33	
<i>For >2,000 To 5,000, Deduct</i>	-9.68	
<i>For >5,000, Deduct</i>	-14.94	
33 01 30 71-0093 LF 42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	160.31	
<i>For Up To 75, Add</i>	33.45	
<i>For >75 To 150, Add</i>	16.03	
<i>For >500 To 1,000, Deduct</i>	-3.76	
<i>For >1,000 To 2,000, Deduct</i>	-7.39	
<i>For >2,000 To 5,000, Deduct</i>	-11.29	
<i>For >5,000, Deduct</i>	-17.42	
33 01 30 71-0094 LF 48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	183.22	
<i>For Up To 75, Add</i>	38.24	
<i>For >75 To 150, Add</i>	18.32	
<i>For >500 To 1,000, Deduct</i>	-4.30	
<i>For >1,000 To 2,000, Deduct</i>	-8.44	
<i>For >2,000 To 5,000, Deduct</i>	-12.90	
<i>For >5,000, Deduct</i>	-19.91	
33 01 30 71-0095 LF 54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	206.12	
<i>For Up To 75, Add</i>	43.02	
<i>For >75 To 150, Add</i>	20.61	
<i>For >500 To 1,000, Deduct</i>	-4.84	
<i>For >1,000 To 2,000, Deduct</i>	-9.50	
<i>For >2,000 To 5,000, Deduct</i>	-14.52	
<i>For >5,000, Deduct</i>	-22.40	
33 01 30 71-0096 LF 60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	229.03	
<i>For Up To 75, Add</i>	47.80	
<i>For >75 To 150, Add</i>	22.90	
<i>For >500 To 1,000, Deduct</i>	-5.38	
<i>For >1,000 To 2,000, Deduct</i>	-10.55	
<i>For >2,000 To 5,000, Deduct</i>	-16.13	
<i>For >5,000, Deduct</i>	-24.89	
33 01 30 71-0097 LF 66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	251.92	
<i>For Up To 75, Add</i>	52.57	
<i>For >75 To 150, Add</i>	25.19	
<i>For >500 To 1,000, Deduct</i>	-5.91	
<i>For >1,000 To 2,000, Deduct</i>	-11.61	
<i>For >2,000 To 5,000, Deduct</i>	-17.74	
<i>For >5,000, Deduct</i>	-27.38	
33 01 30 71-0098 LF 72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	274.82	
<i>For Up To 75, Add</i>	57.35	
<i>For >75 To 150, Add</i>	27.48	
<i>For >500 To 1,000, Deduct</i>	-6.45	
<i>For >1,000 To 2,000, Deduct</i>	-12.66	
<i>For >2,000 To 5,000, Deduct</i>	-19.35	
<i>For >5,000, Deduct</i>	-29.87	
33 01 30 71-0099 LF 78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	297.73	
<i>For Up To 75, Add</i>	62.13	
<i>For >75 To 150, Add</i>	29.77	
<i>For >500 To 1,000, Deduct</i>	-6.99	
<i>For >1,000 To 2,000, Deduct</i>	-13.72	
<i>For >2,000 To 5,000, Deduct</i>	-20.97	
<i>For >5,000, Deduct</i>	-32.36	
33 01 30 71-0100 LF 84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	320.63	
<i>For Up To 75, Add</i>	66.91	
<i>For >75 To 150, Add</i>	32.06	
<i>For >500 To 1,000, Deduct</i>	-7.53	
<i>For >1,000 To 2,000, Deduct</i>	-14.78	
<i>For >2,000 To 5,000, Deduct</i>	-22.58	
<i>For >5,000, Deduct</i>	-34.85	
33 01 30 71-0101 LF 90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	343.53	
<i>For Up To 75, Add</i>	71.69	
<i>For >75 To 150, Add</i>	34.35	
<i>For >500 To 1,000, Deduct</i>	-8.06	
<i>For >1,000 To 2,000, Deduct</i>	-15.83	
<i>For >2,000 To 5,000, Deduct</i>	-24.19	
<i>For >5,000, Deduct</i>	-37.34	
33 01 30 71-0102 LF 96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	366.43	
<i>For Up To 75, Add</i>	76.47	
<i>For >75 To 150, Add</i>	36.64	
<i>For >500 To 1,000, Deduct</i>	-8.60	
<i>For >1,000 To 2,000, Deduct</i>	-16.89	
<i>For >2,000 To 5,000, Deduct</i>	-25.81	
<i>For >5,000, Deduct</i>	-39.83	
33 01 30 71-0103 LF 102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	389.35	
<i>For Up To 75, Add</i>	81.25	
<i>For >75 To 150, Add</i>	38.94	
<i>For >500 To 1,000, Deduct</i>	-9.14	
<i>For >1,000 To 2,000, Deduct</i>	-17.94	
<i>For >2,000 To 5,000, Deduct</i>	-27.42	
<i>For >5,000, Deduct</i>	-42.32	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0104 LF 108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	412.24	
For Up To 75, Add	86.03	
For >75 To 150, Add	41.22	
For >500 To 1,000, Deduct	-9.68	
For >1,000 To 2,000, Deduct	-19.00	
For >2,000 To 5,000, Deduct	-29.03	
For >5,000, Deduct	-44.81	
33 01 30 71-0105 LF 114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	435.14	
For Up To 75, Add	90.81	
For >75 To 150, Add	43.51	
For >500 To 1,000, Deduct	-10.22	
For >1,000 To 2,000, Deduct	-20.05	
For >2,000 To 5,000, Deduct	-30.65	
For >5,000, Deduct	-47.29	
33 01 30 71-0106 LF 120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	458.04	
For Up To 75, Add	95.59	
For >75 To 150, Add	45.80	
For >500 To 1,000, Deduct	-10.75	
For >1,000 To 2,000, Deduct	-21.11	
For >2,000 To 5,000, Deduct	-32.26	
For >5,000, Deduct	-49.78	
33 01 30 71-0107 SF Structure Lining, Spray Applied With 300 mil Structural Polyurethane.....	14.59	
33 01 30 71-0108 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane (33 01 30 71-0020)		
Note: Two part structural polyurethane.		
33 01 30 71-0109 LF 36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	177.82	
For Up To 75, Add	36.89	
For >75 To 150, Add	17.78	
For >500 To 1,000, Deduct	-4.09	
For >1,000 To 2,000, Deduct	-8.04	
For >2,000 To 5,000, Deduct	-12.26	
For >5,000, Deduct	-19.11	
33 01 30 71-0110 LF 42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	207.46	
For Up To 75, Add	43.04	
For >75 To 150, Add	20.75	
For >500 To 1,000, Deduct	-4.77	
For >1,000 To 2,000, Deduct	-9.38	
For >2,000 To 5,000, Deduct	-14.31	
For >5,000, Deduct	-22.29	
33 01 30 71-0111 LF 48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	237.10	
For Up To 75, Add	49.19	
For >75 To 150, Add	23.71	
For >500 To 1,000, Deduct	-5.45	
For >1,000 To 2,000, Deduct	-10.72	
For >2,000 To 5,000, Deduct	-16.35	
For >5,000, Deduct	-25.48	
33 01 30 71-0112 LF 54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	266.73	
For Up To 75, Add	55.34	
For >75 To 150, Add	26.67	
For >500 To 1,000, Deduct	-6.13	
For >1,000 To 2,000, Deduct	-12.06	
For >2,000 To 5,000, Deduct	-18.39	
For >5,000, Deduct	-28.66	
33 01 30 71-0113 LF 60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	296.36	
For Up To 75, Add	61.48	
For >75 To 150, Add	29.64	
For >500 To 1,000, Deduct	-6.81	
For >1,000 To 2,000, Deduct	-13.40	
For >2,000 To 5,000, Deduct	-20.43	
For >5,000, Deduct	-31.85	
33 01 30 71-0114 LF 66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	326.01	
For Up To 75, Add	67.63	
For >75 To 150, Add	32.60	
For >500 To 1,000, Deduct	-7.49	
For >1,000 To 2,000, Deduct	-14.74	
For >2,000 To 5,000, Deduct	-22.48	
For >5,000, Deduct	-35.03	
33 01 30 71-0115 LF 72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	355.63	
For Up To 75, Add	73.78	
For >75 To 150, Add	35.56	
For >500 To 1,000, Deduct	-8.17	
For >1,000 To 2,000, Deduct	-16.08	
For >2,000 To 5,000, Deduct	-24.52	
For >5,000, Deduct	-38.22	
33 01 30 71-0116 LF 78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	385.27	
For Up To 75, Add	79.93	
For >75 To 150, Add	38.53	
For >500 To 1,000, Deduct	-8.86	
For >1,000 To 2,000, Deduct	-17.42	
For >2,000 To 5,000, Deduct	-26.57	
For >5,000, Deduct	-41.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0117 LF 84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	414.90	
<i>For Up To 75, Add</i>	86.08	
<i>For >75 To 150, Add</i>	41.49	
<i>For >500 To 1,000, Deduct</i>	-9.54	
<i>For >1,000 To 2,000, Deduct</i>	-18.76	
<i>For >2,000 To 5,000, Deduct</i>	-28.61	
<i>For >5,000, Deduct</i>	-44.59	
33 01 30 71-0118 LF 90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	444.55	
<i>For Up To 75, Add</i>	92.23	
<i>For >75 To 150, Add</i>	44.46	
<i>For >500 To 1,000, Deduct</i>	-10.22	
<i>For >1,000 To 2,000, Deduct</i>	-20.10	
<i>For >2,000 To 5,000, Deduct</i>	-30.65	
<i>For >5,000, Deduct</i>	-47.77	
33 01 30 71-0119 LF 96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	474.17	
<i>For Up To 75, Add</i>	98.37	
<i>For >75 To 150, Add</i>	47.42	
<i>For >500 To 1,000, Deduct</i>	-10.90	
<i>For >1,000 To 2,000, Deduct</i>	-21.44	
<i>For >2,000 To 5,000, Deduct</i>	-32.69	
<i>For >5,000, Deduct</i>	-50.95	
33 01 30 71-0120 LF 102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	503.82	
<i>For Up To 75, Add</i>	104.52	
<i>For >75 To 150, Add</i>	50.38	
<i>For >500 To 1,000, Deduct</i>	-11.58	
<i>For >1,000 To 2,000, Deduct</i>	-22.78	
<i>For >2,000 To 5,000, Deduct</i>	-34.74	
<i>For >5,000, Deduct</i>	-54.14	
33 01 30 71-0121 LF 108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	533.45	
<i>For Up To 75, Add</i>	110.67	
<i>For >75 To 150, Add</i>	53.35	
<i>For >500 To 1,000, Deduct</i>	-12.26	
<i>For >1,000 To 2,000, Deduct</i>	-24.12	
<i>For >2,000 To 5,000, Deduct</i>	-36.78	
<i>For >5,000, Deduct</i>	-57.32	
33 01 30 71-0122 LF 114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	563.09	
<i>For Up To 75, Add</i>	116.82	
<i>For >75 To 150, Add</i>	56.31	
<i>For >500 To 1,000, Deduct</i>	-12.94	
<i>For >1,000 To 2,000, Deduct</i>	-25.46	
<i>For >2,000 To 5,000, Deduct</i>	-38.83	
<i>For >5,000, Deduct</i>	-60.51	
33 01 30 71-0123 LF 120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	592.72	
<i>For Up To 75, Add</i>	122.97	
<i>For >75 To 150, Add</i>	59.27	
<i>For >500 To 1,000, Deduct</i>	-13.62	
<i>For >1,000 To 2,000, Deduct</i>	-26.80	
<i>For >2,000 To 5,000, Deduct</i>	-40.87	
<i>For >5,000, Deduct</i>	-63.69	
33 01 30 71-0124 SF Structure Lining, Spray Applied With 400 mil Structural Polyurethane.....	18.86	
33 01 30 71-0125 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane <small>(33 01 30 71-0020)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0126 LF 36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	218.58	
<i>For Up To 75, Add</i>	45.19	
<i>For >75 To 150, Add</i>	21.86	
<i>For >500 To 1,000, Deduct</i>	-4.96	
<i>For >1,000 To 2,000, Deduct</i>	-9.77	
<i>For >2,000 To 5,000, Deduct</i>	-14.88	
<i>For >5,000, Deduct</i>	-23.33	
33 01 30 71-0127 LF 42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	255.02	
<i>For Up To 75, Add</i>	52.72	
<i>For >75 To 150, Add</i>	25.50	
<i>For >500 To 1,000, Deduct</i>	-5.79	
<i>For >1,000 To 2,000, Deduct</i>	-11.40	
<i>For >2,000 To 5,000, Deduct</i>	-17.36	
<i>For >5,000, Deduct</i>	-27.22	
33 01 30 71-0128 LF 48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	291.44	
<i>For Up To 75, Add</i>	60.25	
<i>For >75 To 150, Add</i>	29.14	
<i>For >500 To 1,000, Deduct</i>	-6.61	
<i>For >1,000 To 2,000, Deduct</i>	-13.03	
<i>For >2,000 To 5,000, Deduct</i>	-19.84	
<i>For >5,000, Deduct</i>	-31.11	
33 01 30 71-0129 LF 54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	327.88	
<i>For Up To 75, Add</i>	67.79	
<i>For >75 To 150, Add</i>	32.79	
<i>For >500 To 1,000, Deduct</i>	-7.44	
<i>For >1,000 To 2,000, Deduct</i>	-14.66	
<i>For >2,000 To 5,000, Deduct</i>	-22.33	
<i>For >5,000, Deduct</i>	-35.00	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0130 LF 60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	364.31	
For Up To 75, Add	75.32	
For >75 To 150, Add	36.43	
For >500 To 1,000, Deduct	-8.27	
For >1,000 To 2,000, Deduct	-16.29	
For >2,000 To 5,000, Deduct	-24.81	
For >5,000, Deduct	-38.89	
33 01 30 71-0131 LF 66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	400.74	
For Up To 75, Add	82.85	
For >75 To 150, Add	40.07	
For >500 To 1,000, Deduct	-9.10	
For >1,000 To 2,000, Deduct	-17.92	
For >2,000 To 5,000, Deduct	-27.29	
For >5,000, Deduct	-42.78	
33 01 30 71-0132 LF 72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	437.18	
For Up To 75, Add	90.38	
For >75 To 150, Add	43.72	
For >500 To 1,000, Deduct	-9.92	
For >1,000 To 2,000, Deduct	-19.55	
For >2,000 To 5,000, Deduct	-29.77	
For >5,000, Deduct	-46.67	
33 01 30 71-0133 LF 78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	473.60	
For Up To 75, Add	97.91	
For >75 To 150, Add	47.36	
For >500 To 1,000, Deduct	-10.75	
For >1,000 To 2,000, Deduct	-21.18	
For >2,000 To 5,000, Deduct	-32.25	
For >5,000, Deduct	-50.55	
33 01 30 71-0134 LF 84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	510.03	
For Up To 75, Add	105.45	
For >75 To 150, Add	51.00	
For >500 To 1,000, Deduct	-11.58	
For >1,000 To 2,000, Deduct	-22.81	
For >2,000 To 5,000, Deduct	-34.73	
For >5,000, Deduct	-54.44	
33 01 30 71-0135 LF 90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	546.47	
For Up To 75, Add	112.98	
For >75 To 150, Add	54.65	
For >500 To 1,000, Deduct	-12.40	
For >1,000 To 2,000, Deduct	-24.44	
For >2,000 To 5,000, Deduct	-37.21	
For >5,000, Deduct	-58.33	
33 01 30 71-0136 LF 96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	582.90	
For Up To 75, Add	120.51	
For >75 To 150, Add	58.29	
For >500 To 1,000, Deduct	-13.23	
For >1,000 To 2,000, Deduct	-26.07	
For >2,000 To 5,000, Deduct	-39.69	
For >5,000, Deduct	-62.22	
33 01 30 71-0137 LF 102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	619.33	
For Up To 75, Add	128.04	
For >75 To 150, Add	61.93	
For >500 To 1,000, Deduct	-14.06	
For >1,000 To 2,000, Deduct	-27.70	
For >2,000 To 5,000, Deduct	-42.17	
For >5,000, Deduct	-66.11	
33 01 30 71-0138 LF 108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	655.75	
For Up To 75, Add	135.57	
For >75 To 150, Add	65.58	
For >500 To 1,000, Deduct	-14.88	
For >1,000 To 2,000, Deduct	-29.33	
For >2,000 To 5,000, Deduct	-44.65	
For >5,000, Deduct	-70.00	
33 01 30 71-0139 LF 114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	692.18	
For Up To 75, Add	143.10	
For >75 To 150, Add	69.22	
For >500 To 1,000, Deduct	-15.71	
For >1,000 To 2,000, Deduct	-30.95	
For >2,000 To 5,000, Deduct	-47.13	
For >5,000, Deduct	-73.89	
33 01 30 71-0140 LF 120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	728.62	
For Up To 75, Add	150.64	
For >75 To 150, Add	72.86	
For >500 To 1,000, Deduct	-16.54	
For >1,000 To 2,000, Deduct	-32.58	
For >2,000 To 5,000, Deduct	-49.61	
For >5,000, Deduct	-77.78	
33 01 30 71-0141 SF Structure Lining, Spray Applied With 500 mil Structural Polyurethane.....	23.19	

33 01 30 72 Cured-in-Place Pipe Lining (33 01 30)**33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines (33 01 30 72)**

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion (33 01 30 72-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0003 EA Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,673.80	
33 01 30 72-0004 EA Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,789.67	
33 01 30 72-0005 EA Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	4,184.50	
33 01 30 72-0006 EA Initial Set Up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	5,579.34	
33 01 30 72-0007 EA Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	836.90	
33 01 30 72-0008 EA Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,394.83	
33 01 30 72-0009 EA Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,743.54	
33 01 30 72-0010 EA Move And Reset Up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,231.74	
33 01 30 72-0011 EA Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)..... Note: Need to mix wet material in bag prior to installation.	1,394.83	
33 01 30 72-0012 EA Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)..... Note: Need to mix wet material in bag prior to installation.	3,347.60	
33 01 30 72-0013 EA Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)..... Note: Need to mix wet material in bag prior to installation.	5,579.34	
33 01 30 72-0014 EA Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP)..... Note: Need to mix wet material in bag prior to installation.	8,369.00	
 33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP) <small>(33 01 30 72-0001)</small> Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.		
33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0017 LF 4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	23.46	
For Vinylster Resin, Add	6.17	
For Epoxy Resin, Add	0.73	
For Up To >10, Add	48.33	
For >10 To 25, Add	38.81	
For >25 To 50, Add	23.72	
For >50 To 100, Add	11.86	
For >500 To 1,000, Deduct	-1.54	
For >1,000 To 2,000, Deduct	-2.49	
For >2,000 To 5,000, Deduct	-4.72	
For >5,000, Deduct	-7.62	
33 01 30 72-0018 LF 4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	28.30	
For Vinylster Resin, Add	9.56	
For Epoxy Resin, Add	1.13	
For Up To >10, Add	50.75	
For >10 To 25, Add	40.02	
For >25 To 50, Add	24.69	
For >50 To 100, Add	12.35	
For >500 To 1,000, Deduct	-1.78	
For >1,000 To 2,000, Deduct	-2.85	
For >2,000 To 5,000, Deduct	-5.30	
For >5,000, Deduct	-8.59	
33 01 30 72-0019 LF 4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	33.14	
For Vinylster Resin, Add	12.95	
For Epoxy Resin, Add	1.53	
For Up To >10, Add	53.17	
For >10 To 25, Add	41.23	
For >25 To 50, Add	25.66	
For >50 To 100, Add	12.83	
For >500 To 1,000, Deduct	-2.02	
For >1,000 To 2,000, Deduct	-3.22	
For >2,000 To 5,000, Deduct	-5.88	
For >5,000, Deduct	-9.56	
33 01 30 72-0020 LF 4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	44.22	
For Vinylster Resin, Add	19.73	
For Epoxy Resin, Add	2.32	
For Up To >10, Add	62.21	
For >10 To 25, Add	47.15	
For >25 To 50, Add	29.70	
For >50 To 100, Add	14.85	
For >500 To 1,000, Deduct	-2.61	
For >1,000 To 2,000, Deduct	-4.12	
For >2,000 To 5,000, Deduct	-7.39	
For >5,000, Deduct	-12.05	
33 01 30 72-0021 LF 4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	55.28	
For Vinylster Resin, Add	26.50	
For Epoxy Resin, Add	3.12	
For Up To >10, Add	71.22	
For >10 To 25, Add	53.04	
For >25 To 50, Add	33.72	
For >50 To 100, Add	16.86	
For >500 To 1,000, Deduct	-3.20	
For >1,000 To 2,000, Deduct	-5.02	
For >2,000 To 5,000, Deduct	-8.90	
For >5,000, Deduct	-14.54	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0023 LF 6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	32.47	
For Vinlyester Resin, Add	12.48	
For Epoxy Resin, Add	1.47	
For Up To >10, Add	52.84	
For >10 To 25, Add	41.06	
For >25 To 50, Add	25.53	
For >50 To 100, Add	12.76	
For >500 To 1,000, Deduct	-1.99	
For >1,000 To 2,000, Deduct	-3.17	
For >2,000 To 5,000, Deduct	-5.80	
For >5,000, Deduct	-9.42	
33 01 30 72-0024 LF 6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	38.92	
For Vinlyester Resin, Add	17.00	
For Epoxy Resin, Add	2.00	
For Up To >10, Add	56.06	
For >10 To 25, Add	42.67	
For >25 To 50, Add	26.82	
For >50 To 100, Add	13.41	
For >500 To 1,000, Deduct	-2.31	
For >1,000 To 2,000, Deduct	-3.65	
For >2,000 To 5,000, Deduct	-6.57	
For >5,000, Deduct	-10.71	
33 01 30 72-0025 LF 6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	53.23	
For Vinlyester Resin, Add	26.03	
For Epoxy Resin, Add	3.07	
For Up To >10, Add	66.72	
For >10 To 25, Add	49.40	
For >25 To 50, Add	31.50	
For >50 To 100, Add	15.75	
For >500 To 1,000, Deduct	-3.06	
For >1,000 To 2,000, Deduct	-4.79	
For >2,000 To 5,000, Deduct	-8.47	
For >5,000, Deduct	-13.85	
33 01 30 72-0026 LF 6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	67.52	
For Vinlyester Resin, Add	35.06	
For Epoxy Resin, Add	4.13	
For Up To >10, Add	77.34	
For >10 To 25, Add	56.10	
For >25 To 50, Add	36.16	
For >50 To 100, Add	18.08	
For >500 To 1,000, Deduct	-3.81	
For >1,000 To 2,000, Deduct	-5.94	
For >2,000 To 5,000, Deduct	-10.37	
For >5,000, Deduct	-16.99	
33 01 30 72-0027 LF 6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	81.96	
For Vinlyester Resin, Add	44.09	
For Epoxy Resin, Add	5.20	
For Up To >10, Add	88.41	
For >10 To 25, Add	63.17	
For >25 To 50, Add	41.05	
For >50 To 100, Add	20.53	
For >500 To 1,000, Deduct	-4.57	
For >1,000 To 2,000, Deduct	-7.10	
For >2,000 To 5,000, Deduct	-12.30	
For >5,000, Deduct	-20.19	
33 01 30 72-0028 LF 6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	96.82	
For Vinlyester Resin, Add	53.13	
For Epoxy Resin, Add	6.26	
For Up To >10, Add	100.71	
For >10 To 25, Add	71.28	
For >25 To 50, Add	46.56	
For >50 To 100, Add	23.28	
For >500 To 1,000, Deduct	-5.36	
For >1,000 To 2,000, Deduct	-8.31	
For >2,000 To 5,000, Deduct	-14.34	
For >5,000, Deduct	-23.55	
33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0030 LF 7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	44.52	
For Vinlyester Resin, Add	20.92	
For Epoxy Resin, Add	2.47	
For Up To >10, Add	58.86	
For >10 To 25, Add	44.07	
For >25 To 50, Add	27.94	
For >50 To 100, Add	13.97	
For >500 To 1,000, Deduct	-2.59	
For >1,000 To 2,000, Deduct	-4.07	
For >2,000 To 5,000, Deduct	-7.25	
For >5,000, Deduct	-11.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0031 LF 7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	62.04	
<i>For Vinlyester Resin, Add</i>	32.20	
<i>For Epoxy Resin, Add</i>	3.80	
<i>For Up To >10, Add</i>	71.12	
<i>For >10 To 25, Add</i>	51.60	
<i>For >25 To 50, Add</i>	33.26	
<i>For >50 To 100, Add</i>	16.63	
<i>For >500 To 1,000, Deduct</i>	-3.50	
<i>For >1,000 To 2,000, Deduct</i>	-5.46	
<i>For >2,000 To 5,000, Deduct</i>	-9.53	
<i>For >5,000, Deduct</i>	-15.62	
33 01 30 72-0032 LF 7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	79.57	
<i>For Vinlyester Resin, Add</i>	43.50	
<i>For Epoxy Resin, Add</i>	5.13	
<i>For Up To >10, Add</i>	83.36	
<i>For >10 To 25, Add</i>	59.11	
<i>For >25 To 50, Add</i>	38.57	
<i>For >50 To 100, Add</i>	19.29	
<i>For >500 To 1,000, Deduct</i>	-4.41	
<i>For >1,000 To 2,000, Deduct</i>	-6.84	
<i>For >2,000 To 5,000, Deduct</i>	-11.81	
<i>For >5,000, Deduct</i>	-19.40	
33 01 30 72-0033 LF 7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	97.23	
<i>For Vinlyester Resin, Add</i>	54.78	
<i>For Epoxy Resin, Add</i>	6.46	
<i>For Up To >10, Add</i>	96.04	
<i>For >10 To 25, Add</i>	66.99	
<i>For >25 To 50, Add</i>	44.11	
<i>For >50 To 100, Add</i>	22.05	
<i>For >500 To 1,000, Deduct</i>	-5.34	
<i>For >1,000 To 2,000, Deduct</i>	-8.24	
<i>For >2,000 To 5,000, Deduct</i>	-14.13	
<i>For >5,000, Deduct</i>	-23.24	
33 01 30 72-0034 LF 7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	115.31	
<i>For Vinlyester Resin, Add</i>	66.07	
<i>For Epoxy Resin, Add</i>	7.79	
<i>For Up To >10, Add</i>	109.96	
<i>For >10 To 25, Add</i>	75.90	
<i>For >25 To 50, Add</i>	50.26	
<i>For >50 To 100, Add</i>	25.13	
<i>For >500 To 1,000, Deduct</i>	-6.29	
<i>For >1,000 To 2,000, Deduct</i>	-9.69	
<i>For >2,000 To 5,000, Deduct</i>	-16.56	
<i>For >5,000, Deduct</i>	-27.25	
33 01 30 72-0035 LF 7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	142.31	
<i>For Vinlyester Resin, Add</i>	83.01	
<i>For Epoxy Resin, Add</i>	9.78	
<i>For Up To >10, Add</i>	130.46	
<i>For >10 To 25, Add</i>	88.95	
<i>For >25 To 50, Add</i>	59.30	
<i>For >50 To 100, Add</i>	29.65	
<i>For >500 To 1,000, Deduct</i>	-7.71	
<i>For >1,000 To 2,000, Deduct</i>	-11.86	
<i>For >2,000 To 5,000, Deduct</i>	-20.16	
<i>For >5,000, Deduct</i>	-33.21	
33 01 30 72-0036 LF 7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	169.56	
<i>For Vinlyester Resin, Add</i>	99.95	
<i>For Epoxy Resin, Add</i>	11.78	
<i>For Up To >10, Add</i>	151.73	
<i>For >10 To 25, Add</i>	102.65	
<i>For >25 To 50, Add</i>	68.73	
<i>For >50 To 100, Add</i>	34.36	
<i>For >500 To 1,000, Deduct</i>	-9.15	
<i>For >1,000 To 2,000, Deduct</i>	-14.06	
<i>For >2,000 To 5,000, Deduct</i>	-23.83	
<i>For >5,000, Deduct</i>	-39.27	
33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0038 LF 9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	70.67	
<i>For Vinlyester Resin, Add</i>	38.24	
<i>For Epoxy Resin, Add</i>	4.51	
<i>For Up To >10, Add</i>	75.44	
<i>For >10 To 25, Add</i>	53.76	
<i>For >25 To 50, Add</i>	34.99	
<i>For >50 To 100, Add</i>	17.49	
<i>For >500 To 1,000, Deduct</i>	-3.93	
<i>For >1,000 To 2,000, Deduct</i>	-6.10	
<i>For >2,000 To 5,000, Deduct</i>	-10.57	
<i>For >5,000, Deduct</i>	-17.34	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0039 LF 9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	91.42	
For Vinlyester Resin, Add	51.79	
For Epoxy Resin, Add	6.10	
For Up To >10, Add	89.29	
For >10 To 25, Add	62.07	
For >25 To 50, Add	40.94	
For >50 To 100, Add	20.47	
For >500 To 1,000, Deduct	-5.01	
For >1,000 To 2,000, Deduct	-7.73	
For >2,000 To 5,000, Deduct	-13.24	
For >5,000, Deduct	-21.77	
33 01 30 72-0040 LF 9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	112.32	
For Vinlyester Resin, Add	65.35	
For Epoxy Resin, Add	7.70	
For Up To >10, Add	103.59	
For >10 To 25, Add	70.76	
For >25 To 50, Add	47.13	
For >50 To 100, Add	23.56	
For >500 To 1,000, Deduct	-6.09	
For >1,000 To 2,000, Deduct	-9.37	
For >2,000 To 5,000, Deduct	-15.94	
For >5,000, Deduct	-26.26	
33 01 30 72-0041 LF 9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	133.62	
For Vinlyester Resin, Add	78.89	
For Epoxy Resin, Add	9.30	
For Up To >10, Add	119.11	
For >10 To 25, Add	80.48	
For >25 To 50, Add	53.92	
For >50 To 100, Add	26.96	
For >500 To 1,000, Deduct	-7.20	
For >1,000 To 2,000, Deduct	-11.07	
For >2,000 To 5,000, Deduct	-18.75	
For >5,000, Deduct	-30.91	
33 01 30 72-0042 LF 9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	165.45	
For Vinlyester Resin, Add	99.21	
For Epoxy Resin, Add	11.69	
For Up To >10, Add	142.03	
For >10 To 25, Add	94.73	
For >25 To 50, Add	63.93	
For >50 To 100, Add	31.96	
For >500 To 1,000, Deduct	-8.87	
For >1,000 To 2,000, Deduct	-13.59	
For >2,000 To 5,000, Deduct	-22.94	
For >5,000, Deduct	-37.83	
33 01 30 72-0043 LF 9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	197.54	
For Vinlyester Resin, Add	119.53	
For Epoxy Resin, Add	14.09	
For Up To >10, Add	165.72	
For >10 To 25, Add	109.64	
For >25 To 50, Add	74.32	
For >50 To 100, Add	37.16	
For >500 To 1,000, Deduct	-10.55	
For >1,000 To 2,000, Deduct	-16.15	
For >2,000 To 5,000, Deduct	-27.19	
For >5,000, Deduct	-44.86	
33 01 30 72-0044 LF 9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	228.80	
For Vinlyester Resin, Add	139.85	
For Epoxy Resin, Add	16.48	
For Up To >10, Add	186.93	
For >10 To 25, Add	122.47	
For >25 To 50, Add	83.47	
For >50 To 100, Add	41.74	
For >500 To 1,000, Deduct	-12.17	
For >1,000 To 2,000, Deduct	-18.61	
For >2,000 To 5,000, Deduct	-31.23	
For >5,000, Deduct	-51.56	
33 01 30 72-0045 LF 9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	260.49	
For Vinlyester Resin, Add	160.18	
For Epoxy Resin, Add	18.88	
For Up To >10, Add	209.40	
For >10 To 25, Add	136.36	
For >25 To 50, Add	93.26	
For >50 To 100, Add	46.63	
For >500 To 1,000, Deduct	-13.82	
For >1,000 To 2,000, Deduct	-21.12	
For >2,000 To 5,000, Deduct	-35.37	
For >5,000, Deduct	-58.43	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0047 LF 10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	188.41	
For Vinlyester Resin, Add	115.28	
For Epoxy Resin, Add	13.59	
For Up To >10, Add	153.51	
For >10 To 25, Add	100.47	
For >25 To 50, Add	68.52	
For >50 To 100, Add	34.26	
For >500 To 1,000, Deduct	-10.01	
For >1,000 To 2,000, Deduct	-15.32	
For >2,000 To 5,000, Deduct	-25.69	
For >5,000, Deduct	-42.43	
33 01 30 72-0048 LF 10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	225.33	
For Vinlyester Resin, Add	138.99	
For Epoxy Resin, Add	16.38	
For Up To >10, Add	179.62	
For >10 To 25, Add	116.59	
For >25 To 50, Add	79.88	
For >50 To 100, Add	39.94	
For >500 To 1,000, Deduct	-11.94	
For >1,000 To 2,000, Deduct	-18.24	
For >2,000 To 5,000, Deduct	-30.52	
For >5,000, Deduct	-50.42	
33 01 30 72-0049 LF 10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	261.44	
For Vinlyester Resin, Add	162.70	
For Epoxy Resin, Add	19.18	
For Up To >10, Add	203.25	
For >10 To 25, Add	130.63	
For >25 To 50, Add	90.00	
For >50 To 100, Add	45.00	
For >500 To 1,000, Deduct	-13.80	
For >1,000 To 2,000, Deduct	-21.06	
For >2,000 To 5,000, Deduct	-35.14	
For >5,000, Deduct	-58.09	
33 01 30 72-0050 LF 10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	297.96	
For Vinlyester Resin, Add	186.41	
For Epoxy Resin, Add	21.97	
For Up To >10, Add	228.13	
For >10 To 25, Add	145.73	
For >25 To 50, Add	100.75	
For >50 To 100, Add	50.38	
For >500 To 1,000, Deduct	-15.69	
For >1,000 To 2,000, Deduct	-23.93	
For >2,000 To 5,000, Deduct	-39.87	
For >5,000, Deduct	-65.92	
33 01 30 72-0051 LF 10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	335.04	
For Vinlyester Resin, Add	210.12	
For Epoxy Resin, Add	24.76	
For Up To >10, Add	254.70	
For >10 To 25, Add	162.22	
For >25 To 50, Add	112.34	
For >50 To 100, Add	56.17	
For >500 To 1,000, Deduct	-17.62	
For >1,000 To 2,000, Deduct	-26.87	
For >2,000 To 5,000, Deduct	-44.74	
For >5,000, Deduct	-73.98	
33 01 30 72-0052 LF 10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	372.82	
For Vinlyester Resin, Add	233.83	
For Epoxy Resin, Add	27.56	
For Up To >10, Add	283.36	
For >10 To 25, Add	180.46	
For >25 To 50, Add	124.98	
For >50 To 100, Add	62.49	
For >500 To 1,000, Deduct	-19.61	
For >1,000 To 2,000, Deduct	-29.90	
For >2,000 To 5,000, Deduct	-49.78	
For >5,000, Deduct	-82.32	
33 01 30 72-0053 LF 10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	445.44	
For Vinlyester Resin, Add	281.25	
For Epoxy Resin, Add	33.15	
For Up To >10, Add	331.87	
For >10 To 25, Add	209.60	
For >25 To 50, Add	145.85	
For >50 To 100, Add	72.92	
For >500 To 1,000, Deduct	-23.36	
For >1,000 To 2,000, Deduct	-35.59	
For >2,000 To 5,000, Deduct	-59.13	
For >5,000, Deduct	-97.82	

33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0055 LF 12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	211.17	
For Vinlyester Resin, Add	131.22	
For Epoxy Resin, Add	15.46	
For Up To >10, Add	164.89	
For >10 To 25, Add	106.16	
For >25 To 50, Add	73.07	
For >50 To 100, Add	36.54	
For >500 To 1,000, Deduct	-11.15	
For >1,000 To 2,000, Deduct	-17.02	
For >2,000 To 5,000, Deduct	-28.42	
For >5,000, Deduct	-46.98	
33 01 30 72-0056 LF 12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	252.94	
For Vinlyester Resin, Add	158.31	
For Epoxy Resin, Add	18.66	
For Up To >10, Add	193.42	
For >10 To 25, Add	123.49	
For >25 To 50, Add	85.40	
For >50 To 100, Add	42.70	
For >500 To 1,000, Deduct	-13.32	
For >1,000 To 2,000, Deduct	-20.31	
For >2,000 To 5,000, Deduct	-33.83	
For >5,000, Deduct	-55.94	
33 01 30 72-0057 LF 12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	293.88	
For Vinlyester Resin, Add	185.41	
For Epoxy Resin, Add	21.85	
For Up To >10, Add	219.47	
For >10 To 25, Add	138.74	
For >25 To 50, Add	96.49	
For >50 To 100, Add	48.24	
For >500 To 1,000, Deduct	-15.42	
For >1,000 To 2,000, Deduct	-23.49	
For >2,000 To 5,000, Deduct	-39.04	
For >5,000, Deduct	-64.58	
33 01 30 72-0058 LF 12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	335.24	
For Vinlyester Resin, Add	212.51	
For Epoxy Resin, Add	25.05	
For Up To >10, Add	246.77	
For >10 To 25, Add	155.05	
For >25 To 50, Add	108.21	
For >50 To 100, Add	54.10	
For >500 To 1,000, Deduct	-17.55	
For >1,000 To 2,000, Deduct	-26.73	
For >2,000 To 5,000, Deduct	-44.34	
For >5,000, Deduct	-73.38	
33 01 30 72-0059 LF 12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	377.16	
For Vinlyester Resin, Add	239.60	
For Epoxy Resin, Add	28.24	
For Up To >10, Add	275.76	
For >10 To 25, Add	172.75	
For >25 To 50, Add	120.76	
For >50 To 100, Add	60.38	
For >500 To 1,000, Deduct	-19.73	
For >1,000 To 2,000, Deduct	-30.03	
For >2,000 To 5,000, Deduct	-49.79	
For >5,000, Deduct	-82.41	
33 01 30 72-0060 LF 12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	419.78	
For Vinlyester Resin, Add	266.70	
For Epoxy Resin, Add	31.43	
For Up To >10, Add	306.84	
For >10 To 25, Add	192.20	
For >25 To 50, Add	134.37	
For >50 To 100, Add	67.19	
For >500 To 1,000, Deduct	-21.96	
For >1,000 To 2,000, Deduct	-33.42	
For >2,000 To 5,000, Deduct	-55.42	
For >5,000, Deduct	-91.71	
33 01 30 72-0061 LF 12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	502.08	
For Vinlyester Resin, Add	320.89	
For Epoxy Resin, Add	37.82	
For Up To >10, Add	360.19	
For >10 To 25, Add	223.76	
For >25 To 50, Add	157.17	
For >50 To 100, Add	78.59	
For >500 To 1,000, Deduct	-26.20	
For >1,000 To 2,000, Deduct	-39.84	
For >2,000 To 5,000, Deduct	-65.93	
For >5,000, Deduct	-109.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0062 LF 12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	585.64	
For Vinylster Resin, Add	375.09	
For Epoxy Resin, Add	44.21	
For Up To >10, Add	417.32	
For >10 To 25, Add	258.46	
For >25 To 50, Add	181.87	
For >50 To 100, Add	90.93	
For >500 To 1,000, Deduct	-30.53	
For >1,000 To 2,000, Deduct	-46.41	
For >2,000 To 5,000, Deduct	-76.75	
For >5,000, Deduct	-127.09	
33 01 30 72-0063 LF 12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	671.41	
For Vinylster Resin, Add	429.28	
For Epoxy Resin, Add	50.59	
For Up To >10, Add	481.11	
For >10 To 25, Add	298.71	
For >25 To 50, Add	209.89	
For >50 To 100, Add	104.95	
For >500 To 1,000, Deduct	-35.02	
For >1,000 To 2,000, Deduct	-53.26	
For >2,000 To 5,000, Deduct	-88.13	
For >5,000, Deduct	-145.91	
33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0065 LF 13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	233.74	
For Vinylster Resin, Add	147.01	
For Epoxy Resin, Add	17.33	
For Up To >10, Add	176.17	
For >10 To 25, Add	111.81	
For >25 To 50, Add	77.58	
For >50 To 100, Add	38.79	
For >500 To 1,000, Deduct	-12.28	
For >1,000 To 2,000, Deduct	-18.72	
For >2,000 To 5,000, Deduct	-31.13	
For >5,000, Deduct	-51.49	
33 01 30 72-0066 LF 13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	280.36	
For Vinylster Resin, Add	177.51	
For Epoxy Resin, Add	20.92	
For Up To >10, Add	207.13	
For >10 To 25, Add	130.35	
For >25 To 50, Add	90.89	
For >50 To 100, Add	45.44	
For >500 To 1,000, Deduct	-14.69	
For >1,000 To 2,000, Deduct	-22.37	
For >2,000 To 5,000, Deduct	-37.12	
For >5,000, Deduct	-61.43	
33 01 30 72-0067 LF 13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	326.14	
For Vinylster Resin, Add	207.99	
For Epoxy Resin, Add	24.51	
For Up To >10, Add	235.60	
For >10 To 25, Add	146.81	
For >25 To 50, Add	102.94	
For >50 To 100, Add	51.47	
For >500 To 1,000, Deduct	-17.03	
For >1,000 To 2,000, Deduct	-25.91	
For >2,000 To 5,000, Deduct	-42.91	
For >5,000, Deduct	-71.03	
33 01 30 72-0068 LF 13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	372.33	
For Vinylster Resin, Add	238.47	
For Epoxy Resin, Add	28.11	
For Up To >10, Add	265.32	
For >10 To 25, Add	164.32	
For >25 To 50, Add	115.62	
For >50 To 100, Add	57.81	
For >500 To 1,000, Deduct	-19.41	
For >1,000 To 2,000, Deduct	-29.51	
For >2,000 To 5,000, Deduct	-48.80	
For >5,000, Deduct	-80.80	
33 01 30 72-0069 LF 13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	419.09	
For Vinylster Resin, Add	268.95	
For Epoxy Resin, Add	31.70	
For Up To >10, Add	296.72	
For >10 To 25, Add	183.23	
For >25 To 50, Add	129.15	
For >50 To 100, Add	64.57	
For >500 To 1,000, Deduct	-21.83	
For >1,000 To 2,000, Deduct	-33.18	
For >2,000 To 5,000, Deduct	-54.82	
For >5,000, Deduct	-90.79	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0070 LF 13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	466.55	
For Vinlyester Resin, Add	299.44	
For Epoxy Resin, Add	35.29	
For Up To >10, Add	330.23	
For >10 To 25, Add	203.89	
For >25 To 50, Add	143.72	
For >50 To 100, Add	71.86	
For >500 To 1,000, Deduct	-24.30	
For >1,000 To 2,000, Deduct	-36.93	
For >2,000 To 5,000, Deduct	-61.03	
For >5,000, Deduct	-101.07	
33 01 30 72-0071 LF 13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	658.52	
For Vinlyester Resin, Add	360.40	
For Epoxy Resin, Add	42.48	
For Up To >10, Add	388.41	
For >10 To 25, Add	237.87	
For >25 To 50, Add	168.46	
For >50 To 100, Add	84.23	
For >500 To 1,000, Deduct	-29.02	
For >1,000 To 2,000, Deduct	-44.07	
For >2,000 To 5,000, Deduct	-72.70	
For >5,000, Deduct	-120.44	
33 01 30 72-0072 LF 13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	651.76	
For Vinlyester Resin, Add	421.37	
For Epoxy Resin, Add	49.66	
For Up To >10, Add	450.38	
For >10 To 25, Add	274.99	
For >25 To 50, Add	195.09	
For >50 To 100, Add	97.55	
For >500 To 1,000, Deduct	-33.83	
For >1,000 To 2,000, Deduct	-51.37	
For >2,000 To 5,000, Deduct	-84.69	
For >5,000, Deduct	-140.31	
33 01 30 72-0073 LF 13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	747.22	
For Vinlyester Resin, Add	482.34	
For Epoxy Resin, Add	56.85	
For Up To >10, Add	519.01	
For >10 To 25, Add	317.67	
For >25 To 50, Add	225.05	
For >50 To 100, Add	112.53	
For >500 To 1,000, Deduct	-38.82	
For >1,000 To 2,000, Deduct	-58.95	
For >2,000 To 5,000, Deduct	-97.23	
For >5,000, Deduct	-161.08	
33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>.....	256.13	
33 01 30 72-0075 LF 15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	256.13	
For Vinlyester Resin, Add	162.69	
For Epoxy Resin, Add	19.17	
For Up To >10, Add	187.37	
For >10 To 25, Add	117.40	
For >25 To 50, Add	82.06	
For >50 To 100, Add	41.03	
For >500 To 1,000, Deduct	-13.40	
For >1,000 To 2,000, Deduct	-20.40	
For >2,000 To 5,000, Deduct	-33.82	
For >5,000, Deduct	-55.97	
33 01 30 72-0076 LF 15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	307.58	
For Vinlyester Resin, Add	196.56	
For Epoxy Resin, Add	23.17	
For Up To >10, Add	220.74	
For >10 To 25, Add	137.15	
For >25 To 50, Add	96.33	
For >50 To 100, Add	48.17	
For >500 To 1,000, Deduct	-16.05	
For >1,000 To 2,000, Deduct	-24.41	
For >2,000 To 5,000, Deduct	-40.39	
For >5,000, Deduct	-66.87	
33 01 30 72-0077 LF 15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	358.19	
For Vinlyester Resin, Add	230.43	
For Epoxy Resin, Add	27.16	
For Up To >10, Add	251.62	
For >10 To 25, Add	154.82	
For >25 To 50, Add	109.35	
For >50 To 100, Add	54.68	
For >500 To 1,000, Deduct	-18.63	
For >1,000 To 2,000, Deduct	-28.31	
For >2,000 To 5,000, Deduct	-46.75	
For >5,000, Deduct	-77.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0078 LF 15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	409.23	
For Vinylster Resin, Add	264.30	
For Epoxy Resin, Add	31.15	
For Up To >10, Add	283.77	
For >10 To 25, Add	173.54	
For >25 To 50, Add	123.00	
For >50 To 100, Add	61.50	
For >500 To 1,000, Deduct	-21.25	
For >1,000 To 2,000, Deduct	-32.28	
For >2,000 To 5,000, Deduct	-53.22	
For >5,000, Deduct	-88.18	
33 01 30 72-0079 LF 15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	460.83	
For Vinylster Resin, Add	298.17	
For Epoxy Resin, Add	35.14	
For Up To >10, Add	317.59	
For >10 To 25, Add	193.67	
For >25 To 50, Add	137.50	
For >50 To 100, Add	68.75	
For >500 To 1,000, Deduct	-23.91	
For >1,000 To 2,000, Deduct	-36.31	
For >2,000 To 5,000, Deduct	-59.83	
For >5,000, Deduct	-99.14	
33 01 30 72-0080 LF 15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	513.13	
For Vinylster Resin, Add	332.05	
For Epoxy Resin, Add	39.13	
For Up To >10, Add	353.52	
For >10 To 25, Add	215.54	
For >25 To 50, Add	153.04	
For >50 To 100, Add	76.52	
For >500 To 1,000, Deduct	-26.63	
For >1,000 To 2,000, Deduct	-40.42	
For >2,000 To 5,000, Deduct	-66.62	
For >5,000, Deduct	-110.38	
33 01 30 72-0081 LF 15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	614.78	
For Vinylster Resin, Add	399.78	
For Epoxy Resin, Add	47.12	
For Up To >10, Add	416.54	
For >10 To 25, Add	251.93	
For >25 To 50, Add	179.71	
For >50 To 100, Add	89.86	
For >500 To 1,000, Deduct	-31.83	
For >1,000 To 2,000, Deduct	-48.29	
For >2,000 To 5,000, Deduct	-79.45	
For >5,000, Deduct	-131.69	
33 01 30 72-0082 LF 15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	717.69	
For Vinylster Resin, Add	467.52	
For Epoxy Resin, Add	55.10	
For Up To >10, Add	483.35	
For >10 To 25, Add	291.47	
For >25 To 50, Add	208.28	
For >50 To 100, Add	104.14	
For >500 To 1,000, Deduct	-37.13	
For >1,000 To 2,000, Deduct	-56.32	
For >2,000 To 5,000, Deduct	-92.60	
For >5,000, Deduct	-153.50	
33 01 30 72-0083 LF 15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	822.83	
For Vinylster Resin, Add	535.27	
For Epoxy Resin, Add	63.09	
For Up To >10, Add	556.82	
For >10 To 25, Add	336.57	
For >25 To 50, Add	240.17	
For >50 To 100, Add	120.09	
For >500 To 1,000, Deduct	-42.60	
For >1,000 To 2,000, Deduct	-64.62	
For >2,000 To 5,000, Deduct	-106.30	
For >5,000, Deduct	-176.20	
33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)	334.61	
33 01 30 72-0085 LF 16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	334.61	
For Vinylster Resin, Add	215.48	
For Epoxy Resin, Add	25.40	
For Up To >10, Add	234.26	
For >10 To 25, Add	143.91	
For >25 To 50, Add	101.74	
For >50 To 100, Add	50.87	
For >500 To 1,000, Deduct	-17.40	
For >1,000 To 2,000, Deduct	-26.43	
For >2,000 To 5,000, Deduct	-43.63	
For >5,000, Deduct	-72.28	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0086 LF 16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	390.06	
For Vinlyester Resin, Add	252.74	
For Epoxy Resin, Add	29.79	
For Up To >10, Add	267.56	
For >10 To 25, Add	162.79	
For >25 To 50, Add	115.73	
For >50 To 100, Add	57.86	
For >500 To 1,000, Deduct	-20.23	
For >1,000 To 2,000, Deduct	-30.71	
For >2,000 To 5,000, Deduct	-50.58	
For >5,000, Deduct	-83.81	
33 01 30 72-0087 LF 16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	445.94	
For Vinlyester Resin, Add	290.00	
For Epoxy Resin, Add	34.18	
For Up To >10, Add	302.12	
For >10 To 25, Add	182.72	
For >25 To 50, Add	130.35	
For >50 To 100, Add	65.17	
For >500 To 1,000, Deduct	-23.09	
For >1,000 To 2,000, Deduct	-35.03	
For >2,000 To 5,000, Deduct	-57.63	
For >5,000, Deduct	-95.52	
33 01 30 72-0088 LF 16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	502.38	
For Vinlyester Resin, Add	327.26	
For Epoxy Resin, Add	38.57	
For Up To >10, Add	338.37	
For >10 To 25, Add	204.05	
For >25 To 50, Add	145.81	
For >50 To 100, Add	72.90	
For >500 To 1,000, Deduct	-25.99	
For >1,000 To 2,000, Deduct	-39.42	
For >2,000 To 5,000, Deduct	-64.82	
For >5,000, Deduct	-107.45	
33 01 30 72-0089 LF 16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	559.51	
For Vinlyester Resin, Add	364.51	
For Epoxy Resin, Add	42.96	
For Up To >10, Add	376.71	
For >10 To 25, Add	227.13	
For >25 To 50, Add	162.32	
For >50 To 100, Add	81.16	
For >500 To 1,000, Deduct	-28.95	
For >1,000 To 2,000, Deduct	-43.90	
For >2,000 To 5,000, Deduct	-72.18	
For >5,000, Deduct	-119.66	
33 01 30 72-0090 LF 16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	670.85	
For Vinlyester Resin, Add	439.03	
For Epoxy Resin, Add	51.74	
For Up To >10, Add	444.58	
For >10 To 25, Add	265.95	
For >25 To 50, Add	190.93	
For >50 To 100, Add	95.46	
For >500 To 1,000, Deduct	-34.63	
For >1,000 To 2,000, Deduct	-52.50	
For >2,000 To 5,000, Deduct	-86.18	
For >5,000, Deduct	-142.90	
33 01 30 72-0091 LF 16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	783.43	
For Vinlyester Resin, Add	513.54	
For Epoxy Resin, Add	60.52	
For Up To >10, Add	516.22	
For >10 To 25, Add	307.91	
For >25 To 50, Add	221.43	
For >50 To 100, Add	110.71	
For >500 To 1,000, Deduct	-40.42	
For >1,000 To 2,000, Deduct	-61.25	
For >2,000 To 5,000, Deduct	-100.49	
For >5,000, Deduct	-166.65	
33 01 30 72-0092 LF 16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	898.25	
For Vinlyester Resin, Add	588.06	
For Epoxy Resin, Add	69.31	
For Up To >10, Add	594.53	
For >10 To 25, Add	355.42	
For >25 To 50, Add	255.26	
For >50 To 100, Add	127.63	
For >500 To 1,000, Deduct	-46.37	
For >1,000 To 2,000, Deduct	-70.28	
For >2,000 To 5,000, Deduct	-115.35	
For >5,000, Deduct	-191.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0093 LF 16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,012.09	
For Vinylster Resin, Add	662.58	
For Epoxy Resin, Add	78.09	
For Up To >10, Add	669.92	
For >10 To 25, Add	400.51	
For >25 To 50, Add	287.63	
For >50 To 100, Add	143.82	
For >500 To 1,000, Deduct	-52.24	
For >1,000 To 2,000, Deduct	-79.18	
For >2,000 To 5,000, Deduct	-129.97	
For >5,000, Deduct	-215.53	
33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0095 LF 18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	362.14	
For Vinylster Resin, Add	234.27	
For Epoxy Resin, Add	27.61	
For Up To >10, Add	249.75	
For >10 To 25, Add	152.34	
For >25 To 50, Add	108.14	
For >50 To 100, Add	54.07	
For >500 To 1,000, Deduct	-18.79	
For >1,000 To 2,000, Deduct	-28.53	
For >2,000 To 5,000, Deduct	-47.03	
For >5,000, Deduct	-77.92	
33 01 30 72-0096 LF 18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	422.58	
For Vinylster Resin, Add	274.91	
For Epoxy Resin, Add	32.40	
For Up To >10, Add	285.92	
For >10 To 25, Add	172.81	
For >25 To 50, Add	123.32	
For >50 To 100, Add	61.66	
For >500 To 1,000, Deduct	-21.88	
For >1,000 To 2,000, Deduct	-33.19	
For >2,000 To 5,000, Deduct	-54.59	
For >5,000, Deduct	-90.49	
33 01 30 72-0097 LF 18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	483.30	
For Vinylster Resin, Add	315.56	
For Epoxy Resin, Add	37.19	
For Up To >10, Add	322.90	
For >10 To 25, Add	193.95	
For >25 To 50, Add	138.91	
For >50 To 100, Add	69.46	
For >500 To 1,000, Deduct	-24.98	
For >1,000 To 2,000, Deduct	-37.87	
For >2,000 To 5,000, Deduct	-62.22	
For >5,000, Deduct	-103.16	
33 01 30 72-0098 LF 18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	544.72	
For Vinylster Resin, Add	356.21	
For Epoxy Resin, Add	41.98	
For Up To >10, Add	361.99	
For >10 To 25, Add	216.84	
For >25 To 50, Add	155.55	
For >50 To 100, Add	77.77	
For >500 To 1,000, Deduct	-28.13	
For >1,000 To 2,000, Deduct	-42.65	
For >2,000 To 5,000, Deduct	-70.03	
For >5,000, Deduct	-116.11	
33 01 30 72-0099 LF 18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	606.67	
For Vinylster Resin, Add	396.84	
For Epoxy Resin, Add	46.77	
For Up To >10, Add	402.71	
For >10 To 25, Add	241.11	
For >25 To 50, Add	173.01	
For >50 To 100, Add	86.50	
For >500 To 1,000, Deduct	-31.33	
For >1,000 To 2,000, Deduct	-47.49	
For >2,000 To 5,000, Deduct	-77.97	
For >5,000, Deduct	-129.28	
33 01 30 72-0100 LF 18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	728.81	
For Vinylster Resin, Add	478.14	
For Epoxy Resin, Add	56.35	
For Up To >10, Add	478.78	
For >10 To 25, Add	285.14	
For >25 To 50, Add	205.24	
For >50 To 100, Add	102.62	
For >500 To 1,000, Deduct	-37.58	
For >1,000 To 2,000, Deduct	-56.95	
For >2,000 To 5,000, Deduct	-93.40	
For >5,000, Deduct	-154.91	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0101 LF 18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	851.49	
For Vinlyester Resin, Add	559.43	
For Epoxy Resin, Add	65.93	
For Up To >10, Add	556.50	
For >10 To 25, Add	330.55	
For >25 To 50, Add	238.29	
For >50 To 100, Add	119.14	
For >500 To 1,000, Deduct	-43.88	
For >1,000 To 2,000, Deduct	-66.48	
For >2,000 To 5,000, Deduct	-108.98	
For >5,000, Deduct	-180.76	
33 01 30 72-0102 LF 18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	976.41	
For Vinlyester Resin, Add	640.72	
For Epoxy Resin, Add	75.51	
For Up To >10, Add	640.96	
For >10 To 25, Add	381.58	
For >25 To 50, Add	274.71	
For >50 To 100, Add	137.36	
For >500 To 1,000, Deduct	-50.35	
For >1,000 To 2,000, Deduct	-76.29	
For >2,000 To 5,000, Deduct	-125.11	
For >5,000, Deduct	-207.50	
33 01 30 72-0103 LF 18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,100.35	
For Vinlyester Resin, Add	722.02	
For Epoxy Resin, Add	85.09	
For Up To >10, Add	722.43	
For >10 To 25, Add	430.11	
For >25 To 50, Add	309.64	
For >50 To 100, Add	154.82	
For >500 To 1,000, Deduct	-56.74	
For >1,000 To 2,000, Deduct	-85.97	
For >2,000 To 5,000, Deduct	-141.00	
For >5,000, Deduct	-233.85	
33 01 30 72-0104 LF 18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,224.14	
For Vinlyester Resin, Add	803.30	
For Epoxy Resin, Add	94.67	
For Up To >10, Add	803.50	
For >10 To 25, Add	478.32	
For >25 To 50, Add	344.37	
For >50 To 100, Add	172.18	
For >500 To 1,000, Deduct	-63.12	
For >1,000 To 2,000, Deduct	-95.64	
For >2,000 To 5,000, Deduct	-156.85	
For >5,000, Deduct	-260.14	
33 01 30 72-0105 LF 18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,348.51	
For Vinlyester Resin, Add	884.59	
For Epoxy Resin, Add	104.26	
For Up To >10, Add	886.28	
For >10 To 25, Add	527.95	
For >25 To 50, Add	379.96	
For >50 To 100, Add	189.98	
For >500 To 1,000, Deduct	-69.55	
For >1,000 To 2,000, Deduct	-105.38	
For >2,000 To 5,000, Deduct	-172.85	
For >5,000, Deduct	-286.66	
33 01 30 72-0106 LF 18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,472.45	
For Vinlyester Resin, Add	965.88	
For Epoxy Resin, Add	113.84	
For Up To >10, Add	967.78	
For >10 To 25, Add	576.51	
For >25 To 50, Add	414.90	
For >50 To 100, Add	207.45	
For >500 To 1,000, Deduct	-75.94	
For >1,000 To 2,000, Deduct	-115.06	
For >2,000 To 5,000, Deduct	-188.73	
For >5,000, Deduct	-313.01	
33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>	389.92	
33 01 30 72-0108 LF 19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	389.92	
For Vinlyester Resin, Add	252.92	
For Epoxy Resin, Add	29.81	
For Up To >10, Add	266.46	
For >10 To 25, Add	161.83	
For >25 To 50, Add	115.16	
For >50 To 100, Add	57.58	
For >500 To 1,000, Deduct	-20.21	
For >1,000 To 2,000, Deduct	-30.67	
For >2,000 To 5,000, Deduct	-50.51	
For >5,000, Deduct	-83.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0109 LF 19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	455.19	
<i>For Vinlyester Resin, Add</i>	296.96	
<i>For Epoxy Resin, Add</i>	35.00	
<i>For Up To >10, Add</i>	305.00	
<i>For >10 To 25, Add</i>	183.46	
<i>For >25 To 50, Add</i>	131.29	
<i>For >50 To 100, Add</i>	65.64	
<i>For >500 To 1,000, Deduct</i>	-23.53	
<i>For >1,000 To 2,000, Deduct</i>	-35.69	
<i>For >2,000 To 5,000, Deduct</i>	-58.65	
<i>For >5,000, Deduct</i>	-97.23	
33 01 30 72-0110 LF 19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	520.88	
<i>For Vinlyester Resin, Add</i>	340.98	
<i>For Epoxy Resin, Add</i>	40.19	
<i>For Up To >10, Add</i>	344.84	
<i>For >10 To 25, Add</i>	206.18	
<i>For >25 To 50, Add</i>	148.06	
<i>For >50 To 100, Add</i>	74.03	
<i>For >500 To 1,000, Deduct</i>	-26.89	
<i>For >1,000 To 2,000, Deduct</i>	-40.75	
<i>For >2,000 To 5,000, Deduct</i>	-66.89	
<i>For >5,000, Deduct</i>	-110.93	
33 01 30 72-0111 LF 19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	586.85	
<i>For Vinlyester Resin, Add</i>	385.02	
<i>For Epoxy Resin, Add</i>	45.38	
<i>For Up To >10, Add</i>	385.48	
<i>For >10 To 25, Add</i>	229.56	
<i>For >25 To 50, Add</i>	165.24	
<i>For >50 To 100, Add</i>	82.62	
<i>For >500 To 1,000, Deduct</i>	-30.26	
<i>For >1,000 To 2,000, Deduct</i>	-45.85	
<i>For >2,000 To 5,000, Deduct</i>	-75.21	
<i>For >5,000, Deduct</i>	-124.73	
33 01 30 72-0112 LF 19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	653.94	
<i>For Vinlyester Resin, Add</i>	429.06	
<i>For Epoxy Resin, Add</i>	50.57	
<i>For Up To >10, Add</i>	429.47	
<i>For >10 To 25, Add</i>	255.74	
<i>For >25 To 50, Add</i>	184.09	
<i>For >50 To 100, Add</i>	92.04	
<i>For >500 To 1,000, Deduct</i>	-33.72	
<i>For >1,000 To 2,000, Deduct</i>	-51.10	
<i>For >2,000 To 5,000, Deduct</i>	-83.80	
<i>For >5,000, Deduct</i>	-138.99	
33 01 30 72-0113 LF 19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	787.00	
<i>For Vinlyester Resin, Add</i>	517.12	
<i>For Epoxy Resin, Add</i>	60.95	
<i>For Up To >10, Add</i>	514.15	
<i>For >10 To 25, Add</i>	305.34	
<i>For >25 To 50, Add</i>	220.14	
<i>For >50 To 100, Add</i>	110.07	
<i>For >500 To 1,000, Deduct</i>	-40.56	
<i>For >1,000 To 2,000, Deduct</i>	-61.44	
<i>For >2,000 To 5,000, Deduct</i>	-100.71	
<i>For >5,000, Deduct</i>	-167.05	
33 01 30 72-0114 LF 19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	920.48	
<i>For Vinlyester Resin, Add</i>	605.18	
<i>For Epoxy Resin, Add</i>	71.32	
<i>For Up To >10, Add</i>	600.09	
<i>For >10 To 25, Add</i>	355.99	
<i>For >25 To 50, Add</i>	256.82	
<i>For >50 To 100, Add</i>	128.41	
<i>For >500 To 1,000, Deduct</i>	-47.42	
<i>For >1,000 To 2,000, Deduct</i>	-71.83	
<i>For >2,000 To 5,000, Deduct</i>	-117.73	
<i>For >5,000, Deduct</i>	-195.28	
33 01 30 72-0115 LF 19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,054.93	
<i>For Vinlyester Resin, Add</i>	693.25	
<i>For Epoxy Resin, Add</i>	81.70	
<i>For Up To >10, Add</i>	688.92	
<i>For >10 To 25, Add</i>	409.04	
<i>For >25 To 50, Add</i>	294.94	
<i>For >50 To 100, Add</i>	147.47	
<i>For >500 To 1,000, Deduct</i>	-54.36	
<i>For >1,000 To 2,000, Deduct</i>	-82.35	
<i>For >2,000 To 5,000, Deduct</i>	-134.99	
<i>For >5,000, Deduct</i>	-223.90	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0116 LF 19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,188.97	
For Vinlyester Resin, Add	781.31	
For Epoxy Resin, Add	92.08	
For Up To >10, Add	776.51	
For >10 To 25, Add	461.07	
For >25 To 50, Add	332.45	
For >50 To 100, Add	166.22	
For >500 To 1,000, Deduct	-61.27	
For >1,000 To 2,000, Deduct	-92.81	
For >2,000 To 5,000, Deduct	-152.14	
For >5,000, Deduct	-252.36	
33 01 30 72-0117 LF 19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,323.00	
For Vinlyester Resin, Add	869.37	
For Epoxy Resin, Add	102.46	
For Up To >10, Add	864.10	
For >10 To 25, Add	513.09	
For >25 To 50, Add	369.95	
For >50 To 100, Add	184.98	
For >500 To 1,000, Deduct	-68.18	
For >1,000 To 2,000, Deduct	-103.28	
For >2,000 To 5,000, Deduct	-169.30	
For >5,000, Deduct	-280.81	
33 01 30 72-0118 LF 19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,458.72	
For Vinlyester Resin, Add	957.44	
For Epoxy Resin, Add	112.84	
For Up To >10, Add	956.74	
For >10 To 25, Add	569.32	
For >25 To 50, Add	409.98	
For >50 To 100, Add	204.99	
For >500 To 1,000, Deduct	-75.21	
For >1,000 To 2,000, Deduct	-113.95	
For >2,000 To 5,000, Deduct	-186.87	
For >5,000, Deduct	-309.93	
33 01 30 72-0119 LF 19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,592.88	
For Vinlyester Resin, Add	1,045.50	
For Epoxy Resin, Add	123.22	
For Up To >10, Add	1,044.72	
For >10 To 25, Add	621.67	
For >25 To 50, Add	447.68	
For >50 To 100, Add	223.84	
For >500 To 1,000, Deduct	-82.13	
For >1,000 To 2,000, Deduct	-124.43	
For >2,000 To 5,000, Deduct	-204.06	
For >5,000, Deduct	-338.44	
33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>	417.35	
33 01 30 72-0121 LF 21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	417.35	
For Vinlyester Resin, Add	271.45	
For Epoxy Resin, Add	31.99	
For Up To >10, Add	282.60	
For >10 To 25, Add	170.87	
For >25 To 50, Add	121.91	
For >50 To 100, Add	60.96	
For >500 To 1,000, Deduct	-21.61	
For >1,000 To 2,000, Deduct	-32.78	
For >2,000 To 5,000, Deduct	-53.93	
For >5,000, Deduct	-89.38	
33 01 30 72-0122 LF 21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	487.60	
For Vinlyester Resin, Add	318.86	
For Epoxy Resin, Add	37.58	
For Up To >10, Add	324.00	
For >10 To 25, Add	194.08	
For >25 To 50, Add	139.22	
For >50 To 100, Add	69.61	
For >500 To 1,000, Deduct	-25.18	
For >1,000 To 2,000, Deduct	-38.17	
For >2,000 To 5,000, Deduct	-62.68	
For >5,000, Deduct	-103.94	
33 01 30 72-0123 LF 21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	558.28	
For Vinlyester Resin, Add	366.29	
For Epoxy Resin, Add	43.17	
For Up To >10, Add	366.67	
For >10 To 25, Add	218.34	
For >25 To 50, Add	157.17	
For >50 To 100, Add	78.58	
For >500 To 1,000, Deduct	-28.79	
For >1,000 To 2,000, Deduct	-43.62	
For >2,000 To 5,000, Deduct	-71.54	
For >5,000, Deduct	-118.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0124 LF 21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	628.81	
For Vinylster Resin, Add	413.71	
For Epoxy Resin, Add	48.76	
For Up To >10, Add	408.91	
For >10 To 25, Add	242.25	
For >25 To 50, Add	174.90	
For >50 To 100, Add	87.45	
For >500 To 1,000, Deduct	-32.39	
For >1,000 To 2,000, Deduct	-49.05	
For >2,000 To 5,000, Deduct	-80.37	
For >5,000, Deduct	-133.32	
33 01 30 72-0125 LF 21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	700.88	
For Vinylster Resin, Add	461.13	
For Epoxy Resin, Add	54.35	
For Up To >10, Add	455.77	
For >10 To 25, Add	270.01	
For >25 To 50, Add	194.95	
For >50 To 100, Add	97.47	
For >500 To 1,000, Deduct	-36.10	
For >1,000 To 2,000, Deduct	-54.67	
For >2,000 To 5,000, Deduct	-89.58	
For >5,000, Deduct	-148.60	
33 01 30 72-0126 LF 21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	845.00	
For Vinylster Resin, Add	555.96	
For Epoxy Resin, Add	65.52	
For Up To >10, Add	549.43	
For >10 To 25, Add	325.48	
For >25 To 50, Add	235.00	
For >50 To 100, Add	117.50	
For >500 To 1,000, Deduct	-43.52	
For >1,000 To 2,000, Deduct	-65.91	
For >2,000 To 5,000, Deduct	-108.00	
For >5,000, Deduct	-179.15	
33 01 30 72-0127 LF 21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	989.14	
For Vinylster Resin, Add	650.80	
For Epoxy Resin, Add	76.70	
For Up To >10, Add	643.12	
For >10 To 25, Add	380.98	
For >25 To 50, Add	275.07	
For >50 To 100, Add	137.54	
For >500 To 1,000, Deduct	-50.94	
For >1,000 To 2,000, Deduct	-77.16	
For >2,000 To 5,000, Deduct	-126.42	
For >5,000, Deduct	-209.71	
33 01 30 72-0128 LF 21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,133.27	
For Vinylster Resin, Add	745.64	
For Epoxy Resin, Add	87.88	
For Up To >10, Add	736.81	
For >10 To 25, Add	436.48	
For >25 To 50, Add	315.15	
For >50 To 100, Add	157.57	
For >500 To 1,000, Deduct	-58.37	
For >1,000 To 2,000, Deduct	-88.40	
For >2,000 To 5,000, Deduct	-144.84	
For >5,000, Deduct	-240.27	
33 01 30 72-0129 LF 21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,277.40	
For Vinylster Resin, Add	840.48	
For Epoxy Resin, Add	99.06	
For Up To >10, Add	830.50	
For >10 To 25, Add	491.97	
For >25 To 50, Add	355.22	
For >50 To 100, Add	177.61	
For >500 To 1,000, Deduct	-65.79	
For >1,000 To 2,000, Deduct	-99.64	
For >2,000 To 5,000, Deduct	-163.26	
For >5,000, Deduct	-270.82	
33 01 30 72-0130 LF 21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,421.53	
For Vinylster Resin, Add	935.31	
For Epoxy Resin, Add	110.23	
For Up To >10, Add	924.19	
For >10 To 25, Add	547.47	
For >25 To 50, Add	395.29	
For >50 To 100, Add	197.64	
For >500 To 1,000, Deduct	-73.21	
For >1,000 To 2,000, Deduct	-110.88	
For >2,000 To 5,000, Deduct	-181.68	
For >5,000, Deduct	-301.38	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0131 LF 21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,568.74	
For Vinlyester Resin, Add	1,030.16	
For Epoxy Resin, Add	121.41	
For Up To >10, Add	1,027.10	
For >10 To 25, Add	610.64	
For >25 To 50, Add	439.97	
For >50 To 100, Add	219.98	
For >500 To 1,000, Deduct	-80.86	
For >1,000 To 2,000, Deduct	-122.51	
For >2,000 To 5,000, Deduct	-200.87	
For >5,000, Deduct	-333.17	
33 01 30 72-0132 LF 21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,713.14	
For Vinlyester Resin, Add	1,125.00	
For Epoxy Resin, Add	132.59	
For Up To >10, Add	1,121.57	
For >10 To 25, Add	666.79	
For >25 To 50, Add	480.43	
For >50 To 100, Add	240.21	
For >500 To 1,000, Deduct	-88.31	
For >1,000 To 2,000, Deduct	-133.79	
For >2,000 To 5,000, Deduct	-219.36	
For >5,000, Deduct	-363.83	
33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0134 LF 22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	444.47	
For Vinlyester Resin, Add	289.84	
For Epoxy Resin, Add	34.16	
For Up To >10, Add	298.26	
For >10 To 25, Add	179.54	
For >25 To 50, Add	128.43	
For >50 To 100, Add	64.21	
For >500 To 1,000, Deduct	-22.98	
For >1,000 To 2,000, Deduct	-34.86	
For >2,000 To 5,000, Deduct	-57.29	
For >5,000, Deduct	-94.98	
33 01 30 72-0135 LF 22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	519.55	
For Vinlyester Resin, Add	340.64	
For Epoxy Resin, Add	40.15	
For Up To >10, Add	342.08	
For >10 To 25, Add	203.96	
For >25 To 50, Add	146.71	
For >50 To 100, Add	73.35	
For >500 To 1,000, Deduct	-26.80	
For >1,000 To 2,000, Deduct	-40.61	
For >2,000 To 5,000, Deduct	-66.63	
For >5,000, Deduct	-110.49	
33 01 30 72-0136 LF 22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	595.49	
For Vinlyester Resin, Add	391.45	
For Epoxy Resin, Add	46.14	
For Up To >10, Add	388.42	
For >10 To 25, Add	230.48	
For >25 To 50, Add	166.25	
For >50 To 100, Add	83.12	
For >500 To 1,000, Deduct	-30.68	
For >1,000 To 2,000, Deduct	-46.48	
For >2,000 To 5,000, Deduct	-76.17	
For >5,000, Deduct	-126.35	
33 01 30 72-0137 LF 22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	671.83	
For Vinlyester Resin, Add	442.25	
For Epoxy Resin, Add	52.12	
For Up To >10, Add	436.02	
For >10 To 25, Add	258.05	
For >25 To 50, Add	186.42	
For >50 To 100, Add	93.21	
For >500 To 1,000, Deduct	-34.59	
For >1,000 To 2,000, Deduct	-52.39	
For >2,000 To 5,000, Deduct	-85.82	
For >5,000, Deduct	-142.37	
33 01 30 72-0138 LF 22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	749.00	
For Vinlyester Resin, Add	493.06	
For Epoxy Resin, Add	58.11	
For Up To >10, Add	486.08	
For >10 To 25, Add	287.67	
For >25 To 50, Add	207.82	
For >50 To 100, Add	103.91	
For >500 To 1,000, Deduct	-38.57	
For >1,000 To 2,000, Deduct	-58.41	
For >2,000 To 5,000, Deduct	-95.68	
For >5,000, Deduct	-158.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0139 LF 22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	903.37	
For Vinlyester Resin, Add	594.67	
For Epoxy Resin, Add	70.09	
For Up To >10, Add	586.29	
For >10 To 25, Add	346.98	
For >25 To 50, Add	250.67	
For >50 To 100, Add	125.33	
For >500 To 1,000, Deduct	-46.51	
For >1,000 To 2,000, Deduct	-70.44	
For >2,000 To 5,000, Deduct	-115.40	
For >5,000, Deduct	-191.44	
33 01 30 72-0140 LF 22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,057.73	
For Vinlyester Resin, Add	696.28	
For Epoxy Resin, Add	82.06	
For Up To >10, Add	686.47	
For >10 To 25, Add	406.27	
For >25 To 50, Add	293.50	
For >50 To 100, Add	146.75	
For >500 To 1,000, Deduct	-54.46	
For >1,000 To 2,000, Deduct	-82.48	
For >2,000 To 5,000, Deduct	-135.12	
For >5,000, Deduct	-224.15	
33 01 30 72-0141 LF 22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,212.11	
For Vinlyester Resin, Add	797.90	
For Epoxy Resin, Add	94.04	
For Up To >10, Add	786.68	
For >10 To 25, Add	465.59	
For >25 To 50, Add	336.35	
For >50 To 100, Add	168.17	
For >500 To 1,000, Deduct	-62.41	
For >1,000 To 2,000, Deduct	-94.52	
For >2,000 To 5,000, Deduct	-154.85	
For >5,000, Deduct	-256.87	
33 01 30 72-0142 LF 22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,366.47	
For Vinlyester Resin, Add	899.51	
For Epoxy Resin, Add	106.01	
For Up To >10, Add	886.86	
For >10 To 25, Add	524.88	
For >25 To 50, Add	379.18	
For >50 To 100, Add	189.59	
For >500 To 1,000, Deduct	-70.36	
For >1,000 To 2,000, Deduct	-106.56	
For >2,000 To 5,000, Deduct	-174.56	
For >5,000, Deduct	-289.58	
33 01 30 72-0143 LF 22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,520.84	
For Vinlyester Resin, Add	1,001.13	
For Epoxy Resin, Add	117.99	
For Up To >10, Add	987.07	
For >10 To 25, Add	584.20	
For >25 To 50, Add	422.03	
For >50 To 100, Add	211.01	
For >500 To 1,000, Deduct	-78.31	
For >1,000 To 2,000, Deduct	-118.60	
For >2,000 To 5,000, Deduct	-194.29	
For >5,000, Deduct	-322.30	
33 01 30 72-0144 LF 22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,678.42	
For Vinlyester Resin, Add	1,102.74	
For Epoxy Resin, Add	129.97	
For Up To >10, Add	1,096.91	
For >10 To 25, Add	651.54	
For >25 To 50, Add	469.69	
For >50 To 100, Add	234.84	
For >500 To 1,000, Deduct	-86.50	
For >1,000 To 2,000, Deduct	-131.04	
For >2,000 To 5,000, Deduct	-214.81	
For >5,000, Deduct	-356.30	
33 01 30 72-0145 LF 22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,833.06	
For Vinlyester Resin, Add	1,204.35	
For Epoxy Resin, Add	141.94	
For Up To >10, Add	1,197.93	
For >10 To 25, Add	711.53	
For >25 To 50, Add	512.94	
For >50 To 100, Add	256.47	
For >500 To 1,000, Deduct	-94.47	
For >1,000 To 2,000, Deduct	-143.11	
For >2,000 To 5,000, Deduct	-234.60	
For >5,000, Deduct	-389.12	

33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0147 LF 24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	471.24	
For Vinlyester Resin, Add	308.09	
For Epoxy Resin, Add	36.31	
For Up To >10, Add	313.40	
For >10 To 25, Add	187.81	
For >25 To 50, Add	134.69	
For >50 To 100, Add	67.35	
For >500 To 1,000, Deduct	-24.34	
For >1,000 To 2,000, Deduct	-36.90	
For >2,000 To 5,000, Deduct	-60.59	
For >5,000, Deduct	-100.47	
33 01 30 72-0148 LF 24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	651.16	
For Vinlyester Resin, Add	362.29	
For Epoxy Resin, Add	42.70	
For Up To >10, Add	359.61	
For >10 To 25, Add	213.41	
For >25 To 50, Add	153.93	
For >50 To 100, Add	76.96	
For >500 To 1,000, Deduct	-28.40	
For >1,000 To 2,000, Deduct	-43.02	
For >2,000 To 5,000, Deduct	-70.51	
For >5,000, Deduct	-116.95	
33 01 30 72-0149 LF 24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	632.35	
For Vinlyester Resin, Add	416.48	
For Epoxy Resin, Add	49.09	
For Up To >10, Add	409.63	
For >10 To 25, Add	242.19	
For >25 To 50, Add	175.06	
For >50 To 100, Add	87.53	
For >500 To 1,000, Deduct	-32.55	
For >1,000 To 2,000, Deduct	-49.30	
For >2,000 To 5,000, Deduct	-80.74	
For >5,000, Deduct	-133.95	
33 01 30 72-0150 LF 24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	714.65	
For Vinlyester Resin, Add	470.67	
For Epoxy Resin, Add	55.47	
For Up To >10, Add	462.98	
For >10 To 25, Add	273.75	
For >25 To 50, Add	197.87	
For >50 To 100, Add	98.93	
For >500 To 1,000, Deduct	-36.79	
For >1,000 To 2,000, Deduct	-55.71	
For >2,000 To 5,000, Deduct	-91.25	
For >5,000, Deduct	-151.38	
33 01 30 72-0151 LF 24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	796.95	
For Vinlyester Resin, Add	524.87	
For Epoxy Resin, Add	61.86	
For Up To >10, Add	516.33	
For >10 To 25, Add	305.30	
For >25 To 50, Add	220.67	
For >50 To 100, Add	110.34	
For >500 To 1,000, Deduct	-41.03	
For >1,000 To 2,000, Deduct	-62.13	
For >2,000 To 5,000, Deduct	-101.76	
For >5,000, Deduct	-168.82	
33 01 30 72-0152 LF 24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	961.55	
For Vinlyester Resin, Add	633.26	
For Epoxy Resin, Add	74.63	
For Up To >10, Add	623.03	
For >10 To 25, Add	368.41	
For >25 To 50, Add	266.28	
For >50 To 100, Add	133.14	
For >500 To 1,000, Deduct	-49.50	
For >1,000 To 2,000, Deduct	-74.96	
For >2,000 To 5,000, Deduct	-122.78	
For >5,000, Deduct	-203.69	
33 01 30 72-0153 LF 24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,167.15	
For Vinlyester Resin, Add	770.43	
For Epoxy Resin, Add	90.80	
For Up To >10, Add	749.90	
For >10 To 25, Add	441.48	
For >25 To 50, Add	319.92	
For >50 To 100, Add	159.96	
For >500 To 1,000, Deduct	-60.02	
For >1,000 To 2,000, Deduct	-90.86	
For >2,000 To 5,000, Deduct	-148.71	
For >5,000, Deduct	-246.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0154 LF 24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,290.61	
For Vinlyester Resin, Add	850.02	
For Epoxy Resin, Add	100.18	
For Up To >10, Add	836.03	
For >10 To 25, Add	494.31	
For >25 To 50, Add	357.30	
For >50 To 100, Add	178.65	
For >500 To 1,000, Deduct	-66.44	
For >1,000 To 2,000, Deduct	-100.61	
For >2,000 To 5,000, Deduct	-164.79	
For >5,000, Deduct	-273.38	
33 01 30 72-0155 LF 24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,455.22	
For Vinlyester Resin, Add	958.41	
For Epoxy Resin, Add	112.96	
For Up To >10, Add	942.76	
For >10 To 25, Add	557.44	
For >25 To 50, Add	402.92	
For >50 To 100, Add	201.46	
For >500 To 1,000, Deduct	-74.91	
For >1,000 To 2,000, Deduct	-113.44	
For >2,000 To 5,000, Deduct	-185.81	
For >5,000, Deduct	-308.26	
33 01 30 72-0156 LF 24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,619.83	
For Vinlyester Resin, Add	1,066.80	
For Epoxy Resin, Add	125.73	
For Up To >10, Add	1,049.49	
For >10 To 25, Add	620.58	
For >25 To 50, Add	448.55	
For >50 To 100, Add	224.27	
For >500 To 1,000, Deduct	-83.39	
For >1,000 To 2,000, Deduct	-126.28	
For >2,000 To 5,000, Deduct	-206.84	
For >5,000, Deduct	-343.13	
33 01 30 72-0157 LF 24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,787.78	
For Vinlyester Resin, Add	1,175.19	
For Epoxy Resin, Add	138.50	
For Up To >10, Add	1,166.24	
For >10 To 25, Add	692.06	
For >25 To 50, Add	499.18	
For >50 To 100, Add	249.59	
For >500 To 1,000, Deduct	-92.11	
For >1,000 To 2,000, Deduct	-139.53	
For >2,000 To 5,000, Deduct	-228.70	
For >5,000, Deduct	-379.34	
33 01 30 72-0158 LF 24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,952.66	
For Vinlyester Resin, Add	1,283.58	
For Epoxy Resin, Add	151.28	
For Up To >10, Add	1,273.78	
For >10 To 25, Add	755.87	
For >25 To 50, Add	545.21	
For >50 To 100, Add	272.60	
For >500 To 1,000, Deduct	-100.61	
For >1,000 To 2,000, Deduct	-152.40	
For >2,000 To 5,000, Deduct	-249.79	
For >5,000, Deduct	-414.33	
33 01 30 72-0159 LF 24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,117.54	
For Vinlyester Resin, Add	1,391.96	
For Epoxy Resin, Add	164.05	
For Up To >10, Add	1,381.32	
For >10 To 25, Add	819.68	
For >25 To 50, Add	591.23	
For >50 To 100, Add	295.62	
For >500 To 1,000, Deduct	-109.10	
For >1,000 To 2,000, Deduct	-165.27	
For >2,000 To 5,000, Deduct	-270.88	
For >5,000, Deduct	-449.31	
33 01 30 72-0160 LF 24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,282.43	
For Vinlyester Resin, Add	1,500.35	
For Epoxy Resin, Add	176.83	
For Up To >10, Add	1,488.89	
For >10 To 25, Add	883.52	
For >25 To 50, Add	637.28	
For >50 To 100, Add	318.64	
For >500 To 1,000, Deduct	-117.60	
For >1,000 To 2,000, Deduct	-178.14	
For >2,000 To 5,000, Deduct	-291.97	
For >5,000, Deduct	-484.30	

33 01 30 72-0161 25.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0162 LF 25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	583.01	
For Vinlyester Resin, Add	383.80	
For Epoxy Resin, Add	45.23	
For Up To >10, Add	378.33	
For >10 To 25, Add	223.90	
For >25 To 50, Add	161.75	
For >50 To 100, Add	80.88	
For >500 To 1,000, Deduct	-30.02	
For >1,000 To 2,000, Deduct	-45.46	
For >2,000 To 5,000, Deduct	-74.48	
For >5,000, Deduct	-123.55	
33 01 30 72-0163 LF 25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	669.87	
For Vinlyester Resin, Add	441.37	
For Epoxy Resin, Add	52.02	
For Up To >10, Add	433.29	
For >10 To 25, Add	255.98	
For >25 To 50, Add	185.12	
For >50 To 100, Add	92.56	
For >500 To 1,000, Deduct	-34.48	
For >1,000 To 2,000, Deduct	-52.21	
For >2,000 To 5,000, Deduct	-85.50	
For >5,000, Deduct	-141.84	
33 01 30 72-0164 LF 25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	757.30	
For Vinlyester Resin, Add	498.96	
For Epoxy Resin, Add	58.81	
For Up To >10, Add	489.90	
For >10 To 25, Add	289.45	
For >25 To 50, Add	209.31	
For >50 To 100, Add	104.66	
For >500 To 1,000, Deduct	-38.98	
For >1,000 To 2,000, Deduct	-59.02	
For >2,000 To 5,000, Deduct	-96.66	
For >5,000, Deduct	-160.36	
33 01 30 72-0165 LF 25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	844.57	
For Vinlyester Resin, Add	556.54	
For Epoxy Resin, Add	65.59	
For Up To >10, Add	546.09	
For >10 To 25, Add	322.56	
For >25 To 50, Add	233.29	
For >50 To 100, Add	116.65	
For >500 To 1,000, Deduct	-43.47	
For >1,000 To 2,000, Deduct	-65.82	
For >2,000 To 5,000, Deduct	-107.79	
For >5,000, Deduct	-178.82	
33 01 30 72-0166 LF 25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,019.40	
For Vinlyester Resin, Add	671.69	
For Epoxy Resin, Add	79.16	
For Up To >10, Add	659.30	
For >10 To 25, Add	389.49	
For >25 To 50, Add	281.67	
For >50 To 100, Add	140.84	
For >500 To 1,000, Deduct	-52.47	
For >1,000 To 2,000, Deduct	-79.45	
For >2,000 To 5,000, Deduct	-130.11	
For >5,000, Deduct	-215.85	
33 01 30 72-0167 LF 25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,194.10	
For Vinlyester Resin, Add	786.86	
For Epoxy Resin, Add	92.74	
For Up To >10, Add	772.10	
For >10 To 25, Add	456.07	
For >25 To 50, Add	329.85	
For >50 To 100, Add	164.92	
For >500 To 1,000, Deduct	-61.46	
For >1,000 To 2,000, Deduct	-93.06	
For >2,000 To 5,000, Deduct	-152.39	
For >5,000, Deduct	-252.82	
33 01 30 72-0168 LF 25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,368.94	
For Vinlyester Resin, Add	902.02	
For Epoxy Resin, Add	106.31	
For Up To >10, Add	885.32	
For >10 To 25, Add	523.00	
For >25 To 50, Add	378.23	
For >50 To 100, Add	189.12	
For >500 To 1,000, Deduct	-70.46	
For >1,000 To 2,000, Deduct	-106.69	
For >2,000 To 5,000, Deduct	-174.72	
For >5,000, Deduct	-289.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0169 LF 25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,543.65	
For Vinylster Resin, Add	1,017.18	
For Epoxy Resin, Add	119.88	
For Up To >10, Add	998.15	
For >10 To 25, Add	589.61	
For >25 To 50, Add	426.42	
For >50 To 100, Add	213.21	
For >500 To 1,000, Deduct	-79.45	
For >1,000 To 2,000, Deduct	-120.30	
For >2,000 To 5,000, Deduct	-197.01	
For >5,000, Deduct	-326.84	
33 01 30 72-0170 LF 25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,718.48	
For Vinylster Resin, Add	1,132.35	
For Epoxy Resin, Add	133.46	
For Up To >10, Add	1,111.34	
For >10 To 25, Add	656.51	
For >25 To 50, Add	474.79	
For >50 To 100, Add	237.39	
For >500 To 1,000, Deduct	-88.45	
For >1,000 To 2,000, Deduct	-133.93	
For >2,000 To 5,000, Deduct	-219.33	
For >5,000, Deduct	-363.86	
33 01 30 72-0171 LF 25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,897.78	
For Vinylster Resin, Add	1,247.51	
For Epoxy Resin, Add	147.03	
For Up To >10, Add	1,237.97	
For >10 To 25, Add	734.61	
For >25 To 50, Add	529.88	
For >50 To 100, Add	264.94	
For >500 To 1,000, Deduct	-97.78	
For >1,000 To 2,000, Deduct	-148.12	
For >2,000 To 5,000, Deduct	-242.77	
For >5,000, Deduct	-402.68	
33 01 30 72-0172 LF 25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,073.04	
For Vinylster Resin, Add	1,362.67	
For Epoxy Resin, Add	160.60	
For Up To >10, Add	1,352.45	
For >10 To 25, Add	802.59	
For >25 To 50, Add	578.89	
For >50 To 100, Add	289.44	
For >500 To 1,000, Deduct	-106.81	
For >1,000 To 2,000, Deduct	-161.80	
For >2,000 To 5,000, Deduct	-265.19	
For >5,000, Deduct	-439.88	
33 01 30 72-0173 LF 25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,248.15	
For Vinylster Resin, Add	1,477.83	
For Epoxy Resin, Add	174.17	
For Up To >10, Add	1,466.50	
For >10 To 25, Add	870.22	
For >25 To 50, Add	627.69	
For >50 To 100, Add	313.85	
For >500 To 1,000, Deduct	-115.83	
For >1,000 To 2,000, Deduct	-175.46	
For >2,000 To 5,000, Deduct	-287.58	
For >5,000, Deduct	-477.02	
33 01 30 72-0174 LF 25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,423.41	
For Vinylster Resin, Add	1,592.99	
For Epoxy Resin, Add	187.75	
For Up To >10, Add	1,580.98	
For >10 To 25, Add	938.20	
For >25 To 50, Add	676.71	
For >50 To 100, Add	338.35	
For >500 To 1,000, Deduct	-124.86	
For >1,000 To 2,000, Deduct	-189.14	
For >2,000 To 5,000, Deduct	-310.01	
For >5,000, Deduct	-514.22	
33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>.....	614.52	
33 01 30 72-0176 LF 27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	614.52	
For Vinylster Resin, Add	405.17	
For Epoxy Resin, Add	47.75	
For Up To >10, Add	396.54	
For >10 To 25, Add	233.98	
For >25 To 50, Add	169.33	
For >50 To 100, Add	84.66	
For >500 To 1,000, Deduct	-31.62	
For >1,000 To 2,000, Deduct	-47.87	
For >2,000 To 5,000, Deduct	-78.38	
For >5,000, Deduct	-130.05	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0177 LF 27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	707.06	
For Vinlyester Resin, Add	466.14	
For Epoxy Resin, Add	54.94	
For Up To >10, Add	456.41	
For >10 To 25, Add	269.35	
For >25 To 50, Add	194.91	
For >50 To 100, Add	97.45	
For >500 To 1,000, Deduct	-36.38	
For >1,000 To 2,000, Deduct	-55.09	
For >2,000 To 5,000, Deduct	-90.20	
For >5,000, Deduct	-149.64	
33 01 30 72-0178 LF 27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	799.60	
For Vinlyester Resin, Add	527.11	
For Epoxy Resin, Add	62.12	
For Up To >10, Add	516.28	
For >10 To 25, Add	304.73	
For >25 To 50, Add	220.49	
For >50 To 100, Add	110.24	
For >500 To 1,000, Deduct	-41.14	
For >1,000 To 2,000, Deduct	-62.30	
For >2,000 To 5,000, Deduct	-102.01	
For >5,000, Deduct	-169.24	
33 01 30 72-0179 LF 27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	892.00	
For Vinlyester Resin, Add	588.08	
For Epoxy Resin, Add	69.31	
For Up To >10, Add	575.73	
For >10 To 25, Add	339.75	
For >25 To 50, Add	245.86	
For >50 To 100, Add	122.93	
For >500 To 1,000, Deduct	-45.90	
For >1,000 To 2,000, Deduct	-69.49	
For >2,000 To 5,000, Deduct	-113.79	
For >5,000, Deduct	-188.78	
33 01 30 72-0180 LF 27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,076.93	
For Vinlyester Resin, Add	710.01	
For Epoxy Resin, Add	83.68	
For Up To >10, Add	695.04	
For >10 To 25, Add	410.15	
For >25 To 50, Add	296.81	
For >50 To 100, Add	148.40	
For >500 To 1,000, Deduct	-55.41	
For >1,000 To 2,000, Deduct	-83.90	
For >2,000 To 5,000, Deduct	-137.37	
For >5,000, Deduct	-227.91	
33 01 30 72-0181 LF 27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,261.99	
For Vinlyester Resin, Add	831.94	
For Epoxy Resin, Add	98.05	
For Up To >10, Add	814.75	
For >10 To 25, Add	480.87	
For >25 To 50, Add	347.95	
For >50 To 100, Add	173.97	
For >500 To 1,000, Deduct	-64.94	
For >1,000 To 2,000, Deduct	-98.32	
For >2,000 To 5,000, Deduct	-160.99	
For >5,000, Deduct	-267.10	
33 01 30 72-0182 LF 27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,446.93	
For Vinlyester Resin, Add	953.88	
For Epoxy Resin, Add	112.42	
For Up To >10, Add	934.07	
For >10 To 25, Add	551.27	
For >25 To 50, Add	398.90	
For >50 To 100, Add	199.45	
For >500 To 1,000, Deduct	-74.45	
For >1,000 To 2,000, Deduct	-112.73	
For >2,000 To 5,000, Deduct	-184.58	
For >5,000, Deduct	-306.23	
33 01 30 72-0183 LF 27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,631.86	
For Vinlyester Resin, Add	1,075.82	
For Epoxy Resin, Add	126.79	
For Up To >10, Add	1,053.38	
For >10 To 25, Add	621.67	
For >25 To 50, Add	449.85	
For >50 To 100, Add	224.92	
For >500 To 1,000, Deduct	-83.97	
For >1,000 To 2,000, Deduct	-127.14	
For >2,000 To 5,000, Deduct	-208.17	
For >5,000, Deduct	-345.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0184 LF 27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,816.80	
For Vinylster Resin, Add	1,197.75	
For Epoxy Resin, Add	141.16	
For Up To >10, Add	1,172.73	
For >10 To 25, Add	692.09	
For >25 To 50, Add	500.81	
For >50 To 100, Add	250.40	
For >500 To 1,000, Deduct	-93.48	
For >1,000 To 2,000, Deduct	-141.55	
For >2,000 To 5,000, Deduct	-231.76	
For >5,000, Deduct	-384.51	
33 01 30 72-0185 LF 27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,007.59	
For Vinylster Resin, Add	1,319.69	
For Epoxy Resin, Add	155.53	
For Up To >10, Add	1,309.60	
For >10 To 25, Add	777.12	
For >25 To 50, Add	560.53	
For >50 To 100, Add	280.27	
For >500 To 1,000, Deduct	-103.44	
For >1,000 To 2,000, Deduct	-156.69	
For >2,000 To 5,000, Deduct	-256.81	
For >5,000, Deduct	-425.98	
33 01 30 72-0186 LF 27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,193.08	
For Vinylster Resin, Add	1,441.62	
For Epoxy Resin, Add	169.91	
For Up To >10, Add	1,430.59	
For >10 To 25, Add	848.92	
For >25 To 50, Add	612.32	
For >50 To 100, Add	306.16	
For >500 To 1,000, Deduct	-112.99	
For >1,000 To 2,000, Deduct	-171.16	
For >2,000 To 5,000, Deduct	-280.54	
For >5,000, Deduct	-465.34	
33 01 30 72-0187 LF 27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,378.58	
For Vinylster Resin, Add	1,563.56	
For Epoxy Resin, Add	184.28	
For Up To >10, Add	1,551.62	
For >10 To 25, Add	920.74	
For >25 To 50, Add	664.13	
For >50 To 100, Add	332.06	
For >500 To 1,000, Deduct	-122.55	
For >1,000 To 2,000, Deduct	-185.64	
For >2,000 To 5,000, Deduct	-304.27	
For >5,000, Deduct	-504.70	
33 01 30 72-0188 LF 27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,564.07	
For Vinylster Resin, Add	1,685.50	
For Epoxy Resin, Add	198.65	
For Up To >10, Add	1,672.59	
For >10 To 25, Add	992.51	
For >25 To 50, Add	715.90	
For >50 To 100, Add	357.95	
For >500 To 1,000, Deduct	-132.11	
For >1,000 To 2,000, Deduct	-200.12	
For >2,000 To 5,000, Deduct	-328.00	
For >5,000, Deduct	-544.06	
33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0190 LF 28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	743.78	
For Vinylster Resin, Add	490.77	
For Epoxy Resin, Add	57.84	
For Up To >10, Add	478.59	
For >10 To 25, Add	281.98	
For >25 To 50, Add	204.24	
For >50 To 100, Add	102.12	
For >500 To 1,000, Deduct	-38.26	
For >1,000 To 2,000, Deduct	-57.92	
For >2,000 To 5,000, Deduct	-94.80	
For >5,000, Deduct	-157.29	
33 01 30 72-0191 LF 28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	841.43	
For Vinylster Resin, Add	555.12	
For Epoxy Resin, Add	65.42	
For Up To >10, Add	541.72	
For >10 To 25, Add	319.26	
For >25 To 50, Add	231.21	
For >50 To 100, Add	115.60	
For >500 To 1,000, Deduct	-43.28	
For >1,000 To 2,000, Deduct	-65.53	
For >2,000 To 5,000, Deduct	-107.26	
For >5,000, Deduct	-177.97	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0192	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	938.95	
			<i>For Vinlyester Resin, Add</i>	619.48	
			<i>For Epoxy Resin, Add</i>	73.01	
			<i>For Up To >10, Add</i>	604.43	
			<i>For >10 To 25, Add</i>	356.19	
			<i>For >25 To 50, Add</i>	257.96	
			<i>For >50 To 100, Add</i>	128.98	
			<i>For >500 To 1,000, Deduct</i>	-48.30	
			<i>For >1,000 To 2,000, Deduct</i>	-73.12	
			<i>For >2,000 To 5,000, Deduct</i>	-119.69	
			<i>For >5,000, Deduct</i>	-198.59	
33 01 30	72-0193	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,188.33	
			<i>For Vinlyester Resin, Add</i>	786.23	
			<i>For Epoxy Resin, Add</i>	92.66	
			<i>For Up To >10, Add</i>	757.02	
			<i>For >10 To 25, Add</i>	443.65	
			<i>For >25 To 50, Add</i>	322.35	
			<i>For >50 To 100, Add</i>	161.17	
			<i>For >500 To 1,000, Deduct</i>	-61.05	
			<i>For >1,000 To 2,000, Deduct</i>	-92.38	
			<i>For >2,000 To 5,000, Deduct</i>	-151.07	
			<i>For >5,000, Deduct</i>	-250.69	
33 01 30	72-0194	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,329.15	
			<i>For Vinlyester Resin, Add</i>	876.90	
			<i>For Epoxy Resin, Add</i>	103.35	
			<i>For Up To >10, Add</i>	855.68	
			<i>For >10 To 25, Add</i>	504.28	
			<i>For >25 To 50, Add</i>	365.20	
			<i>For >50 To 100, Add</i>	182.60	
			<i>For >500 To 1,000, Deduct</i>	-68.37	
			<i>For >1,000 To 2,000, Deduct</i>	-103.51	
			<i>For >2,000 To 5,000, Deduct</i>	-169.44	
			<i>For >5,000, Deduct</i>	-281.12	
33 01 30	72-0195	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,524.17	
			<i>For Vinlyester Resin, Add</i>	1,005.61	
			<i>For Epoxy Resin, Add</i>	118.52	
			<i>For Up To >10, Add</i>	981.06	
			<i>For >10 To 25, Add</i>	578.12	
			<i>For >25 To 50, Add</i>	418.70	
			<i>For >50 To 100, Add</i>	209.35	
			<i>For >500 To 1,000, Deduct</i>	-78.40	
			<i>For >1,000 To 2,000, Deduct</i>	-118.69	
			<i>For >2,000 To 5,000, Deduct</i>	-194.29	
			<i>For >5,000, Deduct</i>	-322.35	
33 01 30	72-0196	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,719.20	
			<i>For Vinlyester Resin, Add</i>	1,134.32	
			<i>For Epoxy Resin, Add</i>	133.69	
			<i>For Up To >10, Add</i>	1,106.48	
			<i>For >10 To 25, Add</i>	651.99	
			<i>For >25 To 50, Add</i>	472.22	
			<i>For >50 To 100, Add</i>	236.11	
			<i>For >500 To 1,000, Deduct</i>	-88.43	
			<i>For >1,000 To 2,000, Deduct</i>	-133.88	
			<i>For >2,000 To 5,000, Deduct</i>	-219.14	
			<i>For >5,000, Deduct</i>	-363.59	
33 01 30	72-0197	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,914.24	
			<i>For Vinlyester Resin, Add</i>	1,263.02	
			<i>For Epoxy Resin, Add</i>	148.86	
			<i>For Up To >10, Add</i>	1,231.92	
			<i>For >10 To 25, Add</i>	725.88	
			<i>For >25 To 50, Add</i>	525.74	
			<i>For >50 To 100, Add</i>	262.87	
			<i>For >500 To 1,000, Deduct</i>	-98.46	
			<i>For >1,000 To 2,000, Deduct</i>	-149.06	
			<i>For >2,000 To 5,000, Deduct</i>	-244.00	
			<i>For >5,000, Deduct</i>	-404.83	
33 01 30	72-0198	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,115.40	
			<i>For Vinlyester Resin, Add</i>	1,391.73	
			<i>For Epoxy Resin, Add</i>	164.03	
			<i>For Up To >10, Add</i>	1,375.73	
			<i>For >10 To 25, Add</i>	815.07	
			<i>For >25 To 50, Add</i>	588.45	
			<i>For >50 To 100, Add</i>	294.23	
			<i>For >500 To 1,000, Deduct</i>	-108.95	
			<i>For >1,000 To 2,000, Deduct</i>	-165.02	
			<i>For >2,000 To 5,000, Deduct</i>	-270.39	
			<i>For >5,000, Deduct</i>	-448.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0199 LF 28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,310.98	
For Vinylster Resin, Add	1,520.44	
For Epoxy Resin, Add	179.19	
For Up To >10, Add	1,502.79	
For >10 To 25, Add	890.32	
For >25 To 50, Add	642.79	
For >50 To 100, Add	321.40	
For >500 To 1,000, Deduct	-119.02	
For >1,000 To 2,000, Deduct	-180.27	
For >2,000 To 5,000, Deduct	-295.38	
For >5,000, Deduct	-489.98	
33 01 30 72-0200 LF 28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,506.71	
For Vinylster Resin, Add	1,649.15	
For Epoxy Resin, Add	194.36	
For Up To >10, Add	1,630.31	
For >10 To 25, Add	965.93	
For >25 To 50, Add	697.36	
For >50 To 100, Add	348.68	
For >500 To 1,000, Deduct	-129.11	
For >1,000 To 2,000, Deduct	-195.54	
For >2,000 To 5,000, Deduct	-320.41	
For >5,000, Deduct	-531.50	
33 01 30 72-0201 LF 28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,702.30	
For Vinylster Resin, Add	1,777.86	
For Epoxy Resin, Add	209.53	
For Up To >10, Add	1,757.40	
For >10 To 25, Add	1,041.20	
For >25 To 50, Add	751.71	
For >50 To 100, Add	375.86	
For >500 To 1,000, Deduct	-139.18	
For >1,000 To 2,000, Deduct	-210.80	
For >2,000 To 5,000, Deduct	-345.40	
For >5,000, Deduct	-572.96	
33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0203 LF 30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	780.32	
For Vinylster Resin, Add	515.27	
For Epoxy Resin, Add	60.73	
For Up To >10, Add	500.71	
For >10 To 25, Add	294.58	
For >25 To 50, Add	213.55	
For >50 To 100, Add	106.78	
For >500 To 1,000, Deduct	-40.12	
For >1,000 To 2,000, Deduct	-60.74	
For >2,000 To 5,000, Deduct	-99.39	
For >5,000, Deduct	-164.91	
33 01 30 72-0204 LF 30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	882.95	
For Vinylster Resin, Add	583.01	
For Epoxy Resin, Add	68.71	
For Up To >10, Add	566.68	
For >10 To 25, Add	333.42	
For >25 To 50, Add	241.69	
For >50 To 100, Add	120.85	
For >500 To 1,000, Deduct	-45.40	
For >1,000 To 2,000, Deduct	-68.73	
For >2,000 To 5,000, Deduct	-112.46	
For >5,000, Deduct	-186.61	
33 01 30 72-0205 LF 30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	985.58	
For Vinylster Resin, Add	650.75	
For Epoxy Resin, Add	76.70	
For Up To >10, Add	632.64	
For >10 To 25, Add	372.26	
For >25 To 50, Add	269.84	
For >50 To 100, Add	134.92	
For >500 To 1,000, Deduct	-50.68	
For >1,000 To 2,000, Deduct	-76.72	
For >2,000 To 5,000, Deduct	-125.54	
For >5,000, Deduct	-208.30	
33 01 30 72-0206 LF 30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,190.70	
For Vinylster Resin, Add	786.23	
For Epoxy Resin, Add	92.66	
For Up To >10, Add	764.13	
For >10 To 25, Add	449.57	
For >25 To 50, Add	325.90	
For >50 To 100, Add	162.95	
For >500 To 1,000, Deduct	-61.22	
For >1,000 To 2,000, Deduct	-92.68	
For >2,000 To 5,000, Deduct	-151.66	
For >5,000, Deduct	-251.64	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0207 LF 30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,395.96	
For Vinlyester Resin, Add	921.71	
For Epoxy Resin, Add	108.63	
For Up To >10, Add	896.06	
For >10 To 25, Add	527.26	
For >25 To 50, Add	382.19	
For >50 To 100, Add	191.10	
For >500 To 1,000, Deduct	-71.78	
For >1,000 To 2,000, Deduct	-108.66	
For >2,000 To 5,000, Deduct	-177.82	
For >5,000, Deduct	-295.04	
33 01 30 72-0208 LF 30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,601.08	
For Vinlyester Resin, Add	1,057.20	
For Epoxy Resin, Add	124.60	
For Up To >10, Add	1,027.54	
For >10 To 25, Add	604.57	
For >25 To 50, Add	438.26	
For >50 To 100, Add	219.13	
For >500 To 1,000, Deduct	-82.32	
For >1,000 To 2,000, Deduct	-124.62	
For >2,000 To 5,000, Deduct	-203.93	
For >5,000, Deduct	-338.38	
33 01 30 72-0209 LF 30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,806.35	
For Vinlyester Resin, Add	1,192.68	
For Epoxy Resin, Add	140.57	
For Up To >10, Add	1,159.48	
For >10 To 25, Add	682.26	
For >25 To 50, Add	494.55	
For >50 To 100, Add	247.27	
For >500 To 1,000, Deduct	-92.88	
For >1,000 To 2,000, Deduct	-140.60	
For >2,000 To 5,000, Deduct	-230.09	
For >5,000, Deduct	-381.77	
33 01 30 72-0210 LF 30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,011.48	
For Vinlyester Resin, Add	1,328.17	
For Epoxy Resin, Add	156.53	
For Up To >10, Add	1,290.99	
For >10 To 25, Add	759.60	
For >25 To 50, Add	550.63	
For >50 To 100, Add	275.31	
For >500 To 1,000, Deduct	-103.43	
For >1,000 To 2,000, Deduct	-156.57	
For >2,000 To 5,000, Deduct	-256.21	
For >5,000, Deduct	-425.12	
33 01 30 72-0211 LF 30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,223.02	
For Vinlyester Resin, Add	1,463.65	
For Epoxy Resin, Add	172.50	
For Up To >10, Add	1,441.74	
For >10 To 25, Add	852.96	
For >25 To 50, Add	616.32	
For >50 To 100, Add	308.16	
For >500 To 1,000, Deduct	-114.45	
For >1,000 To 2,000, Deduct	-173.33	
For >2,000 To 5,000, Deduct	-283.93	
For >5,000, Deduct	-471.02	
33 01 30 72-0212 LF 30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,428.71	
For Vinlyester Resin, Add	1,599.14	
For Epoxy Resin, Add	188.47	
For Up To >10, Add	1,574.93	
For >10 To 25, Add	931.70	
For >25 To 50, Add	673.24	
For >50 To 100, Add	336.62	
For >500 To 1,000, Deduct	-125.04	
For >1,000 To 2,000, Deduct	-189.36	
For >2,000 To 5,000, Deduct	-310.20	
For >5,000, Deduct	-514.59	
33 01 30 72-0213 LF 30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,634.53	
For Vinlyester Resin, Add	1,734.62	
For Epoxy Resin, Add	204.44	
For Up To >10, Add	1,708.52	
For >10 To 25, Add	1,010.76	
For >25 To 50, Add	730.36	
For >50 To 100, Add	365.18	
For >500 To 1,000, Deduct	-135.64	
For >1,000 To 2,000, Deduct	-205.41	
For >2,000 To 5,000, Deduct	-336.49	
For >5,000, Deduct	-558.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0214 LF 30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,840.35	
For Vinlyester Resin, Add	1,870.10	
For Epoxy Resin, Add	220.40	
For Up To >10, Add	1,842.13	
For >10 To 25, Add	1,089.84	
For >25 To 50, Add	787.48	
For >50 To 100, Add	393.74	
For >500 To 1,000, Deduct	-146.24	
For >1,000 To 2,000, Deduct	-221.47	
For >2,000 To 5,000, Deduct	-362.78	
For >5,000, Deduct	-601.83	
33 01 30 72-0215 LF 30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,046.03	
For Vinlyester Resin, Add	2,005.58	
For Epoxy Resin, Add	236.37	
For Up To >10, Add	1,975.29	
For >10 To 25, Add	1,168.56	
For >25 To 50, Add	844.39	
For >50 To 100, Add	422.19	
For >500 To 1,000, Deduct	-156.82	
For >1,000 To 2,000, Deduct	-237.50	
For >2,000 To 5,000, Deduct	-389.04	
For >5,000, Deduct	-645.39	
33 01 30 72-0216 LF 30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,251.85	
For Vinlyester Resin, Add	2,141.07	
For Epoxy Resin, Add	252.34	
For Up To >10, Add	2,108.88	
For >10 To 25, Add	1,247.62	
For >25 To 50, Add	901.50	
For >50 To 100, Add	450.75	
For >500 To 1,000, Deduct	-167.42	
For >1,000 To 2,000, Deduct	-253.55	
For >2,000 To 5,000, Deduct	-415.34	
For >5,000, Deduct	-689.01	
33 01 30 72-0217 31.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0218 LF 31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	816.65	
For Vinlyester Resin, Add	539.63	
For Epoxy Resin, Add	63.60	
For Up To >10, Add	522.70	
For >10 To 25, Add	307.10	
For >25 To 50, Add	222.81	
For >50 To 100, Add	111.40	
For >500 To 1,000, Deduct	-41.98	
For >1,000 To 2,000, Deduct	-63.54	
For >2,000 To 5,000, Deduct	-103.95	
For >5,000, Deduct	-172.48	
33 01 30 72-0219 LF 31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	924.26	
For Vinlyester Resin, Add	610.76	
For Epoxy Resin, Add	71.98	
For Up To >10, Add	591.51	
For >10 To 25, Add	347.50	
For >25 To 50, Add	252.13	
For >50 To 100, Add	126.06	
For >500 To 1,000, Deduct	-47.51	
For >1,000 To 2,000, Deduct	-71.91	
For >2,000 To 5,000, Deduct	-117.64	
For >5,000, Deduct	-195.20	
33 01 30 72-0220 LF 31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,031.87	
For Vinlyester Resin, Add	681.88	
For Epoxy Resin, Add	80.36	
For Up To >10, Add	660.31	
For >10 To 25, Add	387.91	
For >25 To 50, Add	281.45	
For >50 To 100, Add	140.72	
For >500 To 1,000, Deduct	-53.04	
For >1,000 To 2,000, Deduct	-80.28	
For >2,000 To 5,000, Deduct	-131.33	
For >5,000, Deduct	-217.92	
33 01 30 72-0221 LF 31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,247.23	
For Vinlyester Resin, Add	824.15	
For Epoxy Resin, Add	97.13	
For Up To >10, Add	798.32	
For >10 To 25, Add	469.04	
For >25 To 50, Add	340.29	
For >50 To 100, Add	170.15	
For >500 To 1,000, Deduct	-64.11	
For >1,000 To 2,000, Deduct	-97.04	
For >2,000 To 5,000, Deduct	-158.75	
For >5,000, Deduct	-263.42	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0222 LF 31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,462.45	
For Vinlyester Resin, Add	966.40	
For Epoxy Resin, Add	113.90	
For Up To >10, Add	935.93	
For >10 To 25, Add	549.84	
For >25 To 50, Add	398.93	
For >50 To 100, Add	199.47	
For >500 To 1,000, Deduct	-75.17	
For >1,000 To 2,000, Deduct	-113.78	
For >2,000 To 5,000, Deduct	-186.14	
For >5,000, Deduct	-308.87	
33 01 30 72-0223 LF 31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,877.82	
For Vinlyester Resin, Add	1,108.66	
For Epoxy Resin, Add	130.66	
For Up To >10, Add	1,073.96	
For >10 To 25, Add	631.00	
For >25 To 50, Add	457.79	
For >50 To 100, Add	228.90	
For >500 To 1,000, Deduct	-86.24	
For >1,000 To 2,000, Deduct	-130.54	
For >2,000 To 5,000, Deduct	-213.56	
For >5,000, Deduct	-354.37	
33 01 30 72-0224 LF 31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,893.02	
For Vinlyester Resin, Add	1,250.91	
For Epoxy Resin, Add	147.43	
For Up To >10, Add	1,211.51	
For >10 To 25, Add	711.76	
For >25 To 50, Add	516.40	
For >50 To 100, Add	258.20	
For >500 To 1,000, Deduct	-97.30	
For >1,000 To 2,000, Deduct	-147.28	
For >2,000 To 5,000, Deduct	-240.94	
For >5,000, Deduct	-399.80	
33 01 30 72-0225 LF 31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,108.25	
For Vinlyester Resin, Add	1,393.18	
For Epoxy Resin, Add	164.20	
For Up To >10, Add	1,349.13	
For >10 To 25, Add	792.56	
For >25 To 50, Add	575.05	
For >50 To 100, Add	287.53	
For >500 To 1,000, Deduct	-108.36	
For >1,000 To 2,000, Deduct	-164.02	
For >2,000 To 5,000, Deduct	-268.33	
For >5,000, Deduct	-445.25	
33 01 30 72-0226 LF 31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,330.17	
For Vinlyester Resin, Add	1,535.44	
For Epoxy Resin, Add	180.96	
For Up To >10, Add	1,506.81	
For >10 To 25, Add	890.10	
For >25 To 50, Add	643.73	
For >50 To 100, Add	321.87	
For >500 To 1,000, Deduct	-119.93	
For >1,000 To 2,000, Deduct	-181.60	
For >2,000 To 5,000, Deduct	-297.39	
For >5,000, Deduct	-493.37	
33 01 30 72-0227 LF 31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,562.60	
For Vinlyester Resin, Add	1,689.15	
For Epoxy Resin, Add	199.08	
For Up To >10, Add	1,655.13	
For >10 To 25, Add	977.09	
For >25 To 50, Add	706.91	
For >50 To 100, Add	353.45	
For >500 To 1,000, Deduct	-131.87	
For >1,000 To 2,000, Deduct	-199.67	
For >2,000 To 5,000, Deduct	-326.95	
For >5,000, Deduct	-542.43	
33 01 30 72-0228 LF 31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,761.87	
For Vinlyester Resin, Add	1,819.95	
For Epoxy Resin, Add	214.49	
For Up To >10, Add	1,785.79	
For >10 To 25, Add	1,054.83	
For >25 To 50, Add	762.90	
For >50 To 100, Add	381.45	
For >500 To 1,000, Deduct	-142.14	
For >1,000 To 2,000, Deduct	-215.24	
For >2,000 To 5,000, Deduct	-352.48	
For >5,000, Deduct	-584.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0229 LF 31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,977.79	
For Vinylster Resin, Add	1,962.21	
For Epoxy Resin, Add	231.26	
For Up To >10, Add	1,925.50	
For >10 To 25, Add	1,137.39	
For >25 To 50, Add	822.59	
For >50 To 100, Add	411.30	
For >500 To 1,000, Deduct	-153.26	
For >1,000 To 2,000, Deduct	-232.07	
For >2,000 To 5,000, Deduct	-380.04	
For >5,000, Deduct	-630.49	
33 01 30 72-0230 LF 31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,193.57	
For Vinylster Resin, Add	2,104.47	
For Epoxy Resin, Add	248.03	
For Up To >10, Add	2,064.76	
For >10 To 25, Add	1,219.57	
For >25 To 50, Add	882.06	
For >50 To 100, Add	441.03	
For >500 To 1,000, Deduct	-164.36	
For >1,000 To 2,000, Deduct	-248.88	
For >2,000 To 5,000, Deduct	-407.56	
For >5,000, Deduct	-676.15	
33 01 30 72-0231 LF 31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,409.48	
For Vinylster Resin, Add	2,246.72	
For Epoxy Resin, Add	264.79	
For Up To >10, Add	2,204.44	
For >10 To 25, Add	1,302.10	
For >25 To 50, Add	941.74	
For >50 To 100, Add	470.87	
For >500 To 1,000, Deduct	-175.47	
For >1,000 To 2,000, Deduct	-265.71	
For >2,000 To 5,000, Deduct	-435.12	
For >5,000, Deduct	-721.87	
33 01 30 72-0232 33mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0233 LF 33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	852.65	
For Vinylster Resin, Add	563.86	
For Epoxy Resin, Add	66.45	
For Up To >10, Add	544.18	
For >10 To 25, Add	319.23	
For >25 To 50, Add	231.81	
For >50 To 100, Add	115.91	
For >500 To 1,000, Deduct	-43.81	
For >1,000 To 2,000, Deduct	-66.31	
For >2,000 To 5,000, Deduct	-108.45	
For >5,000, Deduct	-179.96	
33 01 30 72-0234 LF 33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	965.38	
For Vinylster Resin, Add	638.37	
For Epoxy Resin, Add	75.24	
For Up To >10, Add	616.24	
For >10 To 25, Add	361.54	
For >25 To 50, Add	262.52	
For >50 To 100, Add	131.26	
For >500 To 1,000, Deduct	-49.60	
For >1,000 To 2,000, Deduct	-75.07	
For >2,000 To 5,000, Deduct	-122.79	
For >5,000, Deduct	-203.76	
33 01 30 72-0235 LF 33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,077.97	
For Vinylster Resin, Add	712.89	
For Epoxy Resin, Add	84.02	
For Up To >10, Add	687.89	
For >10 To 25, Add	403.50	
For >25 To 50, Add	293.02	
For >50 To 100, Add	146.51	
For >500 To 1,000, Deduct	-55.39	
For >1,000 To 2,000, Deduct	-83.83	
For >2,000 To 5,000, Deduct	-137.10	
For >5,000, Deduct	-227.51	
33 01 30 72-0236 LF 33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,303.43	
For Vinylster Resin, Add	861.92	
For Epoxy Resin, Add	101.58	
For Up To >10, Add	831.99	
For >10 To 25, Add	488.11	
For >25 To 50, Add	354.43	
For >50 To 100, Add	177.21	
For >500 To 1,000, Deduct	-66.97	
For >1,000 To 2,000, Deduct	-101.36	
For >2,000 To 5,000, Deduct	-165.79	
For >5,000, Deduct	-275.11	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0237	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,528.74	
			For Vinlyester Resin, Add	1,010.95	
			For Epoxy Resin, Add	119.15	
			For Up To >10, Add	975.67	
			For >10 To 25, Add	572.36	
			For >25 To 50, Add	415.62	
			For >50 To 100, Add	207.81	
			For >500 To 1,000, Deduct	-78.55	
			For >1,000 To 2,000, Deduct	-118.88	
			For >2,000 To 5,000, Deduct	-194.44	
			For >5,000, Deduct	-322.65	
33 01 30	72-0238	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,754.22	
			For Vinlyester Resin, Add	1,159.99	
			For Epoxy Resin, Add	136.71	
			For Up To >10, Add	1,119.84	
			For >10 To 25, Add	657.01	
			For >25 To 50, Add	477.06	
			For >50 To 100, Add	238.53	
			For >500 To 1,000, Deduct	-90.14	
			For >1,000 To 2,000, Deduct	-136.42	
			For >2,000 To 5,000, Deduct	-223.13	
			For >5,000, Deduct	-370.26	
33 01 30	72-0239	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,979.52	
			For Vinlyester Resin, Add	1,309.02	
			For Epoxy Resin, Add	154.28	
			For Up To >10, Add	1,263.49	
			For >10 To 25, Add	741.23	
			For >25 To 50, Add	538.24	
			For >50 To 100, Add	269.12	
			For >500 To 1,000, Deduct	-101.71	
			For >1,000 To 2,000, Deduct	-153.94	
			For >2,000 To 5,000, Deduct	-251.78	
			For >5,000, Deduct	-417.80	
33 01 30	72-0240	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,204.84	
			For Vinlyester Resin, Add	1,458.05	
			For Epoxy Resin, Add	171.84	
			For Up To >10, Add	1,407.20	
			For >10 To 25, Add	825.51	
			For >25 To 50, Add	599.45	
			For >50 To 100, Add	299.73	
			For >500 To 1,000, Deduct	-113.29	
			For >1,000 To 2,000, Deduct	-171.46	
			For >2,000 To 5,000, Deduct	-280.43	
			For >5,000, Deduct	-465.35	
33 01 30	72-0241	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,436.99	
			For Vinlyester Resin, Add	1,607.08	
			For Epoxy Resin, Add	189.41	
			For Up To >10, Add	1,571.40	
			For >10 To 25, Add	926.86	
			For >25 To 50, Add	670.91	
			For >50 To 100, Add	335.45	
			For >500 To 1,000, Deduct	-125.38	
			For >1,000 To 2,000, Deduct	-189.83	
			For >2,000 To 5,000, Deduct	-310.79	
			For >5,000, Deduct	-515.63	
33 01 30	72-0242	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,663.43	
			For Vinlyester Resin, Add	1,756.12	
			For Epoxy Resin, Add	206.97	
			For Up To >10, Add	1,718.44	
			For >10 To 25, Add	1,013.91	
			For >25 To 50, Add	733.78	
			For >50 To 100, Add	366.89	
			For >500 To 1,000, Deduct	-137.04	
			For >1,000 To 2,000, Deduct	-207.49	
			For >2,000 To 5,000, Deduct	-339.72	
			For >5,000, Deduct	-563.62	
33 01 30	72-0243	LF	33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,888.88	
			For Vinlyester Resin, Add	1,905.15	
			For Epoxy Resin, Add	224.54	
			For Up To >10, Add	1,862.54	
			For >10 To 25, Add	1,098.51	
			For >25 To 50, Add	795.19	
			For >50 To 100, Add	397.59	
			For >500 To 1,000, Deduct	-148.63	
			For >1,000 To 2,000, Deduct	-225.03	
			For >2,000 To 5,000, Deduct	-368.41	
			For >5,000, Deduct	-611.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0244 LF 33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,114.89	
For Vinlyester Resin, Add	2,054.18	
For Epoxy Resin, Add	242.10	
For Up To >10, Add	2,008.32	
For >10 To 25, Add	1,184.51	
For >25 To 50, Add	857.43	
For >50 To 100, Add	428.72	
For >500 To 1,000, Deduct	-160.25	
For >1,000 To 2,000, Deduct	-242.63	
For >2,000 To 5,000, Deduct	-397.23	
For >5,000, Deduct	-659.05	
33 01 30 72-0245 LF 33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,340.90	
For Vinlyester Resin, Add	2,203.21	
For Epoxy Resin, Add	259.66	
For Up To >10, Add	2,154.10	
For >10 To 25, Add	1,270.51	
For >25 To 50, Add	919.68	
For >50 To 100, Add	459.84	
For >500 To 1,000, Deduct	-171.88	
For >1,000 To 2,000, Deduct	-260.24	
For >2,000 To 5,000, Deduct	-426.06	
For >5,000, Deduct	-706.87	
33 01 30 72-0246 LF 33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,566.93	
For Vinlyester Resin, Add	2,352.25	
For Epoxy Resin, Add	277.23	
For Up To >10, Add	2,299.92	
For >10 To 25, Add	1,356.54	
For >25 To 50, Add	981.94	
For >50 To 100, Add	490.97	
For >500 To 1,000, Deduct	-183.51	
For >1,000 To 2,000, Deduct	-277.85	
For >2,000 To 5,000, Deduct	-454.89	
For >5,000, Deduct	-754.70	
33 01 30 72-0247 34.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0248 LF 34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,005.91	
For Vinlyester Resin, Add	665.86	
For Epoxy Resin, Add	78.48	
For Up To >10, Add	639.66	
For >10 To 25, Add	374.51	
For >25 To 50, Add	272.27	
For >50 To 100, Add	136.13	
For >500 To 1,000, Deduct	-51.66	
For >1,000 To 2,000, Deduct	-78.18	
For >2,000 To 5,000, Deduct	-127.82	
For >5,000, Deduct	-212.12	
33 01 30 72-0249 LF 34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,123.61	
For Vinlyester Resin, Add	743.76	
For Epoxy Resin, Add	87.66	
For Up To >10, Add	714.56	
For >10 To 25, Add	418.38	
For >25 To 50, Add	304.15	
For >50 To 100, Add	152.08	
For >500 To 1,000, Deduct	-57.71	
For >1,000 To 2,000, Deduct	-87.33	
For >2,000 To 5,000, Deduct	-142.78	
For >5,000, Deduct	-236.94	
33 01 30 72-0250 LF 34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,359.03	
For Vinlyester Resin, Add	899.57	
For Epoxy Resin, Add	106.02	
For Up To >10, Add	864.34	
For >10 To 25, Add	506.10	
For >25 To 50, Add	367.92	
For >50 To 100, Add	183.96	
For >500 To 1,000, Deduct	-69.80	
For >1,000 To 2,000, Deduct	-105.62	
For >2,000 To 5,000, Deduct	-172.69	
For >5,000, Deduct	-286.59	
33 01 30 72-0251 LF 34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,594.30	
For Vinlyester Resin, Add	1,055.38	
For Epoxy Resin, Add	124.38	
For Up To >10, Add	1,013.70	
For >10 To 25, Add	593.47	
For >25 To 50, Add	431.47	
For >50 To 100, Add	215.73	
For >500 To 1,000, Deduct	-81.88	
For >1,000 To 2,000, Deduct	-123.90	
For >2,000 To 5,000, Deduct	-202.58	
For >5,000, Deduct	-336.18	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0252	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,829.70	
			For Vinlyester Resin, Add	1,211.18	
			For Epoxy Resin, Add	142.75	
			For Up To >10, Add	1,163.48	
			For >10 To 25, Add	681.19	
			For >25 To 50, Add	495.23	
			For >50 To 100, Add	247.61	
			For >500 To 1,000, Deduct	-93.97	
			For >1,000 To 2,000, Deduct	-142.20	
			For >2,000 To 5,000, Deduct	-232.49	
			For >5,000, Deduct	-385.83	
33 01 30	72-0253	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,064.98	
			For Vinlyester Resin, Add	1,366.99	
			For Epoxy Resin, Add	161.11	
			For Up To >10, Add	1,312.84	
			For >10 To 25, Add	768.56	
			For >25 To 50, Add	558.78	
			For >50 To 100, Add	279.39	
			For >500 To 1,000, Deduct	-106.05	
			For >1,000 To 2,000, Deduct	-160.48	
			For >2,000 To 5,000, Deduct	-262.38	
			For >5,000, Deduct	-435.42	
33 01 30	72-0254	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,300.40	
			For Vinlyester Resin, Add	1,522.79	
			For Epoxy Resin, Add	179.47	
			For Up To >10, Add	1,462.65	
			For >10 To 25, Add	856.31	
			For >25 To 50, Add	622.55	
			For >50 To 100, Add	311.28	
			For >500 To 1,000, Deduct	-118.14	
			For >1,000 To 2,000, Deduct	-178.78	
			For >2,000 To 5,000, Deduct	-292.30	
			For >5,000, Deduct	-485.08	
33 01 30	72-0255	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,542.64	
			For Vinlyester Resin, Add	1,678.60	
			For Epoxy Resin, Add	197.84	
			For Up To >10, Add	1,632.92	
			For >10 To 25, Add	961.10	
			For >25 To 50, Add	696.56	
			For >50 To 100, Add	348.28	
			For >500 To 1,000, Deduct	-130.75	
			For >1,000 To 2,000, Deduct	-197.93	
			For >2,000 To 5,000, Deduct	-323.92	
			For >5,000, Deduct	-537.46	
33 01 30	72-0256	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,778.88	
			For Vinlyester Resin, Add	1,834.40	
			For Epoxy Resin, Add	216.20	
			For Up To >10, Add	1,785.22	
			For >10 To 25, Add	1,050.92	
			For >25 To 50, Add	761.58	
			For >50 To 100, Add	380.79	
			For >500 To 1,000, Deduct	-142.90	
			For >1,000 To 2,000, Deduct	-216.33	
			For >2,000 To 5,000, Deduct	-354.05	
			For >5,000, Deduct	-587.44	
33 01 30	72-0257	LF	34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,012.35	
			For Vinlyester Resin, Add	1,990.21	
			For Epoxy Resin, Add	234.56	
			For Up To >10, Add	1,929.15	
			For >10 To 25, Add	1,133.77	
			For >25 To 50, Add	822.42	
			For >50 To 100, Add	411.21	
			For >500 To 1,000, Deduct	-154.85	
			For >1,000 To 2,000, Deduct	-234.39	
			For >2,000 To 5,000, Deduct	-383.48	
			For >5,000, Deduct	-636.31	
33 01 30	72-0258	LF	34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,250.69	
			For Vinlyester Resin, Add	2,146.02	
			For Epoxy Resin, Add	252.92	
			For Up To >10, Add	2,087.72	
			For >10 To 25, Add	1,228.81	
			For >25 To 50, Add	890.57	
			For >50 To 100, Add	445.29	
			For >500 To 1,000, Deduct	-167.16	
			For >1,000 To 2,000, Deduct	-253.05	
			For >2,000 To 5,000, Deduct	-414.13	
			For >5,000, Deduct	-687.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0259 LF 34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,486.66	
For Vinylster Resin, Add	2,301.82	
For Epoxy Resin, Add	271.29	
For Up To >10, Add	2,239.18	
For >10 To 25, Add	1,317.93	
For >25 To 50, Add	955.17	
For >50 To 100, Add	477.59	
For >500 To 1,000, Deduct	-179.29	
For >1,000 To 2,000, Deduct	-271.42	
For >2,000 To 5,000, Deduct	-444.18	
For >5,000, Deduct	-737.00	
33 01 30 72-0260 LF 34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,722.64	
For Vinylster Resin, Add	2,457.63	
For Epoxy Resin, Add	289.65	
For Up To >10, Add	2,390.67	
For >10 To 25, Add	1,407.08	
For >25 To 50, Add	1,019.79	
For >50 To 100, Add	509.90	
For >500 To 1,000, Deduct	-191.43	
For >1,000 To 2,000, Deduct	-289.79	
For >2,000 To 5,000, Deduct	-474.24	
For >5,000, Deduct	-786.88	
33 01 30 72-0261 36mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0262 LF 36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,046.24	
For Vinylster Resin, Add	693.21	
For Epoxy Resin, Add	81.70	
For Up To >10, Add	662.97	
For >10 To 25, Add	387.43	
For >25 To 50, Add	281.97	
For >50 To 100, Add	140.99	
For >500 To 1,000, Deduct	-53.71	
For >1,000 To 2,000, Deduct	-81.27	
For >2,000 To 5,000, Deduct	-132.82	
For >5,000, Deduct	-220.44	
33 01 30 72-0263 LF 36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,168.91	
For Vinylster Resin, Add	774.49	
For Epoxy Resin, Add	91.28	
For Up To >10, Add	740.68	
For >10 To 25, Add	432.83	
For >25 To 50, Add	315.02	
For >50 To 100, Add	157.51	
For >500 To 1,000, Deduct	-60.01	
For >1,000 To 2,000, Deduct	-90.79	
For >2,000 To 5,000, Deduct	-148.39	
For >5,000, Deduct	-246.28	
33 01 30 72-0264 LF 36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,414.29	
For Vinylster Resin, Add	937.08	
For Epoxy Resin, Add	110.44	
For Up To >10, Add	896.15	
For >10 To 25, Add	523.67	
For >25 To 50, Add	381.14	
For >50 To 100, Add	190.57	
For >500 To 1,000, Deduct	-72.60	
For >1,000 To 2,000, Deduct	-109.85	
For >2,000 To 5,000, Deduct	-179.54	
For >5,000, Deduct	-297.98	
33 01 30 72-0265 LF 36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,659.65	
For Vinylster Resin, Add	1,099.66	
For Epoxy Resin, Add	129.60	
For Up To >10, Add	1,051.60	
For >10 To 25, Add	614.51	
For >25 To 50, Add	447.25	
For >50 To 100, Add	223.63	
For >500 To 1,000, Deduct	-85.20	
For >1,000 To 2,000, Deduct	-128.91	
For >2,000 To 5,000, Deduct	-210.69	
For >5,000, Deduct	-349.67	
33 01 30 72-0266 LF 36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,904.89	
For Vinylster Resin, Add	1,262.24	
For Epoxy Resin, Add	148.76	
For Up To >10, Add	1,206.67	
For >10 To 25, Add	705.03	
For >25 To 50, Add	513.18	
For >50 To 100, Add	256.59	
For >500 To 1,000, Deduct	-97.79	
For >1,000 To 2,000, Deduct	-147.95	
For >2,000 To 5,000, Deduct	-241.81	
For >5,000, Deduct	-401.32	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0267 LF 36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,150.26	
For Vinlyester Resin, Add	1,424.82	
For Epoxy Resin, Add	167.93	
For Up To >10, Add	1,362.13	
For >10 To 25, Add	795.87	
For >25 To 50, Add	579.29	
For >50 To 100, Add	289.65	
For >500 To 1,000, Deduct	-110.38	
For >1,000 To 2,000, Deduct	-167.01	
For >2,000 To 5,000, Deduct	-272.96	
For >5,000, Deduct	-453.01	
33 01 30 72-0268 LF 36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,395.62	
For Vinlyester Resin, Add	1,587.40	
For Epoxy Resin, Add	187.09	
For Up To >10, Add	1,517.59	
For >10 To 25, Add	886.70	
For >25 To 50, Add	645.41	
For >50 To 100, Add	322.70	
For >500 To 1,000, Deduct	-122.98	
For >1,000 To 2,000, Deduct	-186.07	
For >2,000 To 5,000, Deduct	-304.10	
For >5,000, Deduct	-504.71	
33 01 30 72-0269 LF 36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,648.10	
For Vinlyester Resin, Add	1,749.98	
For Epoxy Resin, Add	206.25	
For Up To >10, Add	1,694.38	
For >10 To 25, Add	995.32	
For >25 To 50, Add	722.19	
For >50 To 100, Add	361.09	
For >500 To 1,000, Deduct	-136.11	
For >1,000 To 2,000, Deduct	-206.01	
For >2,000 To 5,000, Deduct	-337.03	
For >5,000, Deduct	-559.25	
33 01 30 72-0270 LF 36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,894.17	
For Vinlyester Resin, Add	1,912.56	
For Epoxy Resin, Add	225.41	
For Up To >10, Add	1,851.94	
For >10 To 25, Add	1,087.91	
For >25 To 50, Add	789.36	
For >50 To 100, Add	394.68	
For >500 To 1,000, Deduct	-148.76	
For >1,000 To 2,000, Deduct	-225.16	
For >2,000 To 5,000, Deduct	-368.35	
For >5,000, Deduct	-611.22	
33 01 30 72-0271 LF 36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,135.50	
For Vinlyester Resin, Add	2,075.14	
For Epoxy Resin, Add	244.57	
For Up To >10, Add	1,995.28	
For >10 To 25, Add	1,168.65	
For >25 To 50, Add	849.41	
For >50 To 100, Add	424.71	
For >500 To 1,000, Deduct	-161.05	
For >1,000 To 2,000, Deduct	-243.71	
For >2,000 To 5,000, Deduct	-398.49	
For >5,000, Deduct	-661.30	
33 01 30 72-0272 LF 36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,386.16	
For Vinlyester Resin, Add	2,237.72	
For Epoxy Resin, Add	263.73	
For Up To >10, Add	2,166.63	
For >10 To 25, Add	1,272.74	
For >25 To 50, Add	923.48	
For >50 To 100, Add	461.74	
For >500 To 1,000, Deduct	-174.04	
For >1,000 To 2,000, Deduct	-263.43	
For >2,000 To 5,000, Deduct	-430.96	
For >5,000, Deduct	-715.12	
33 01 30 72-0273 LF 36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,632.23	
For Vinlyester Resin, Add	2,400.30	
For Epoxy Resin, Add	282.89	
For Up To >10, Add	2,324.19	
For >10 To 25, Add	1,365.33	
For >25 To 50, Add	990.65	
For >50 To 100, Add	495.32	
For >500 To 1,000, Deduct	-186.69	
For >1,000 To 2,000, Deduct	-282.58	
For >2,000 To 5,000, Deduct	-462.29	
For >5,000, Deduct	-767.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0274 LF 36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,878.29	
For Vinlyester Resin, Add	2,562.88	
For Epoxy Resin, Add	302.05	
For Up To >10, Add	2,481.72	
For >10 To 25, Add	1,457.89	
For >25 To 50, Add	1,057.80	
For >50 To 100, Add	528.90	
For >500 To 1,000, Deduct	-199.34	
For >1,000 To 2,000, Deduct	-301.72	
For >2,000 To 5,000, Deduct	-493.61	
For >5,000, Deduct	-819.06	
33 01 30 72-0275 LF 36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,124.23	
For Vinlyester Resin, Add	2,725.46	
For Epoxy Resin, Add	321.22	
For Up To >10, Add	2,638.89	
For >10 To 25, Add	1,550.16	
For >25 To 50, Add	1,124.77	
For >50 To 100, Add	562.38	
For >500 To 1,000, Deduct	-211.98	
For >1,000 To 2,000, Deduct	-320.85	
For >2,000 To 5,000, Deduct	-524.90	
For >5,000, Deduct	-870.99	
33 01 30 72-0276 LF 36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,370.30	
For Vinlyester Resin, Add	2,888.05	
For Epoxy Resin, Add	340.38	
For Up To >10, Add	2,796.45	
For >10 To 25, Add	1,642.75	
For >25 To 50, Add	1,191.94	
For >50 To 100, Add	595.97	
For >500 To 1,000, Deduct	-224.63	
For >1,000 To 2,000, Deduct	-340.00	
For >2,000 To 5,000, Deduct	-556.22	
For >5,000, Deduct	-922.96	
33 01 30 72-0277 37.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0278 LF 37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,213.88	
For Vinlyester Resin, Add	805.10	
For Epoxy Resin, Add	94.89	
For Up To >10, Add	766.29	
For >10 To 25, Add	446.89	
For >25 To 50, Add	325.64	
For >50 To 100, Add	162.82	
For >500 To 1,000, Deduct	-62.29	
For >1,000 To 2,000, Deduct	-94.23	
For >2,000 To 5,000, Deduct	-153.95	
For >5,000, Deduct	-255.52	
33 01 30 72-0279 LF 37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,469.22	
For Vinlyester Resin, Add	974.46	
For Epoxy Resin, Add	114.85	
For Up To >10, Add	927.46	
For >10 To 25, Add	540.87	
For >25 To 50, Add	394.13	
For >50 To 100, Add	197.06	
For >500 To 1,000, Deduct	-75.39	
For >1,000 To 2,000, Deduct	-114.05	
For >2,000 To 5,000, Deduct	-186.33	
For >5,000, Deduct	-309.27	
33 01 30 72-0280 LF 37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,724.55	
For Vinlyester Resin, Add	1,143.81	
For Epoxy Resin, Add	134.81	
For Up To >10, Add	1,088.60	
For >10 To 25, Add	634.83	
For >25 To 50, Add	462.60	
For >50 To 100, Add	231.30	
For >500 To 1,000, Deduct	-88.49	
For >1,000 To 2,000, Deduct	-133.87	
For >2,000 To 5,000, Deduct	-218.71	
For >5,000, Deduct	-363.02	
33 01 30 72-0281 LF 37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,979.86	
For Vinlyester Resin, Add	1,313.17	
For Epoxy Resin, Add	154.77	
For Up To >10, Add	1,249.71	
For >10 To 25, Add	728.76	
For >25 To 50, Add	531.06	
For >50 To 100, Add	265.53	
For >500 To 1,000, Deduct	-101.59	
For >1,000 To 2,000, Deduct	-153.69	
For >2,000 To 5,000, Deduct	-251.09	
For >5,000, Deduct	-416.75	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0282 LF 37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,235.20	
For Vinlyester Resin, Add	1,482.52	
For Epoxy Resin, Add	174.73	
For Up To >10, Add	1,410.88	
For >10 To 25, Add	822.75	
For >25 To 50, Add	599.54	
For >50 To 100, Add	299.77	
For >500 To 1,000, Deduct	-114.69	
For >1,000 To 2,000, Deduct	-173.51	
For >2,000 To 5,000, Deduct	-283.47	
For >5,000, Deduct	-470.50	
33 01 30 72-0283 LF 37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,490.52	
For Vinlyester Resin, Add	1,651.87	
For Epoxy Resin, Add	194.69	
For Up To >10, Add	1,572.01	
For >10 To 25, Add	916.71	
For >25 To 50, Add	668.01	
For >50 To 100, Add	334.01	
For >500 To 1,000, Deduct	-127.79	
For >1,000 To 2,000, Deduct	-193.32	
For >2,000 To 5,000, Deduct	-315.85	
For >5,000, Deduct	-524.24	
33 01 30 72-0284 LF 37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,753.09	
For Vinlyester Resin, Add	1,821.23	
For Epoxy Resin, Add	214.64	
For Up To >10, Add	1,754.90	
For >10 To 25, Add	1,028.79	
For >25 To 50, Add	747.36	
For >50 To 100, Add	373.68	
For >500 To 1,000, Deduct	-141.44	
For >1,000 To 2,000, Deduct	-214.05	
For >2,000 To 5,000, Deduct	-350.05	
For >5,000, Deduct	-580.89	
33 01 30 72-0285 LF 37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,009.12	
For Vinlyester Resin, Add	1,990.58	
For Epoxy Resin, Add	234.60	
For Up To >10, Add	1,918.14	
For >10 To 25, Add	1,124.50	
For >25 To 50, Add	816.88	
For >50 To 100, Add	408.44	
For >500 To 1,000, Deduct	-154.59	
For >1,000 To 2,000, Deduct	-233.96	
For >2,000 To 5,000, Deduct	-382.60	
For >5,000, Deduct	-634.91	
33 01 30 72-0286 LF 37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,262.78	
For Vinlyester Resin, Add	2,159.94	
For Epoxy Resin, Add	254.56	
For Up To >10, Add	2,074.27	
For >10 To 25, Add	1,214.28	
For >25 To 50, Add	882.85	
For >50 To 100, Add	441.43	
For >500 To 1,000, Deduct	-167.57	
For >1,000 To 2,000, Deduct	-253.57	
For >2,000 To 5,000, Deduct	-414.56	
For >5,000, Deduct	-687.99	
33 01 30 72-0287 LF 37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,521.16	
For Vinlyester Resin, Add	2,329.29	
For Epoxy Resin, Add	274.52	
For Up To >10, Add	2,244.58	
For >10 To 25, Add	1,315.89	
For >25 To 50, Add	955.91	
For >50 To 100, Add	477.96	
For >500 To 1,000, Deduct	-180.90	
For >1,000 To 2,000, Deduct	-273.77	
For >2,000 To 5,000, Deduct	-447.71	
For >5,000, Deduct	-742.95	
33 01 30 72-0288 LF 37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,777.19	
For Vinlyester Resin, Add	2,498.65	
For Epoxy Resin, Add	294.48	
For Up To >10, Add	2,407.82	
For >10 To 25, Add	1,411.60	
For >25 To 50, Add	1,025.44	
For >50 To 100, Add	512.72	
For >500 To 1,000, Deduct	-194.05	
For >1,000 To 2,000, Deduct	-293.67	
For >2,000 To 5,000, Deduct	-480.26	
For >5,000, Deduct	-796.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0289 LF 37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,033.06	
For Vinylster Resin, Add	2,668.00	
For Epoxy Resin, Add	314.44	
For Up To >10, Add	2,570.61	
For >10 To 25, Add	1,506.93	
For >25 To 50, Add	1,094.73	
For >50 To 100, Add	547.37	
For >500 To 1,000, Deduct	-207.19	
For >1,000 To 2,000, Deduct	-313.56	
For >2,000 To 5,000, Deduct	-512.78	
For >5,000, Deduct	-850.94	
33 01 30 72-0290 LF 37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,289.10	
For Vinylster Resin, Add	2,837.36	
For Epoxy Resin, Add	334.40	
For Up To >10, Add	2,733.88	
For >10 To 25, Add	1,602.67	
For >25 To 50, Add	1,164.27	
For >50 To 100, Add	582.13	
For >500 To 1,000, Deduct	-220.35	
For >1,000 To 2,000, Deduct	-333.47	
For >2,000 To 5,000, Deduct	-545.34	
For >5,000, Deduct	-904.97	
33 01 30 72-0291 LF 37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,545.12	
For Vinylster Resin, Add	3,006.71	
For Epoxy Resin, Add	354.36	
For Up To >10, Add	2,897.11	
For >10 To 25, Add	1,698.38	
For >25 To 50, Add	1,233.79	
For >50 To 100, Add	616.90	
For >500 To 1,000, Deduct	-233.50	
For >1,000 To 2,000, Deduct	-353.38	
For >2,000 To 5,000, Deduct	-577.89	
For >5,000, Deduct	-958.99	
33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0293 LF 39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,523.95	
For Vinylster Resin, Add	1,011.70	
For Epoxy Resin, Add	119.24	
For Up To >10, Add	958.65	
For >10 To 25, Add	558.00	
For >25 To 50, Add	407.06	
For >50 To 100, Add	203.53	
For >500 To 1,000, Deduct	-78.16	
For >1,000 To 2,000, Deduct	-118.23	
For >2,000 To 5,000, Deduct	-193.10	
For >5,000, Deduct	-320.52	
33 01 30 72-0294 LF 39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,789.24	
For Vinylster Resin, Add	1,187.83	
For Epoxy Resin, Add	139.99	
For Up To >10, Add	1,125.47	
For >10 To 25, Add	655.08	
For >25 To 50, Add	477.89	
For >50 To 100, Add	238.95	
For >500 To 1,000, Deduct	-91.77	
For >1,000 To 2,000, Deduct	-138.81	
For >2,000 To 5,000, Deduct	-226.71	
For >5,000, Deduct	-376.32	
33 01 30 72-0295 LF 39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,054.51	
For Vinylster Resin, Add	1,363.96	
For Epoxy Resin, Add	160.75	
For Up To >10, Add	1,292.26	
For >10 To 25, Add	752.13	
For >25 To 50, Add	548.70	
For >50 To 100, Add	274.35	
For >500 To 1,000, Deduct	-105.38	
For >1,000 To 2,000, Deduct	-159.39	
For >2,000 To 5,000, Deduct	-260.32	
For >5,000, Deduct	-432.10	
33 01 30 72-0296 LF 39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,319.80	
For Vinylster Resin, Add	1,540.08	
For Epoxy Resin, Add	181.51	
For Up To >10, Add	1,459.10	
For >10 To 25, Add	849.23	
For >25 To 50, Add	619.54	
For >50 To 100, Add	309.77	
For >500 To 1,000, Deduct	-118.98	
For >1,000 To 2,000, Deduct	-179.97	
For >2,000 To 5,000, Deduct	-293.93	
For >5,000, Deduct	-487.90	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0297	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,585.23	
			For Vinlyester Resin, Add	1,716.22	
			For Epoxy Resin, Add	202.27	
			For Up To >10, Add	1,626.34	
			For >10 To 25, Add	946.66	
			For >25 To 50, Add	690.58	
			For >50 To 100, Add	345.29	
			For >500 To 1,000, Deduct	-132.60	
			For >1,000 To 2,000, Deduct	-200.57	
			For >2,000 To 5,000, Deduct	-327.58	
			For >5,000, Deduct	-543.74	
33 01 30	72-0298	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,857.76	
			For Vinlyester Resin, Add	1,892.35	
			For Epoxy Resin, Add	223.03	
			For Up To >10, Add	1,814.91	
			For >10 To 25, Add	1,061.86	
			For >25 To 50, Add	772.29	
			For >50 To 100, Add	386.14	
			For >500 To 1,000, Deduct	-146.75	
			For >1,000 To 2,000, Deduct	-222.05	
			For >2,000 To 5,000, Deduct	-363.00	
			For >5,000, Deduct	-602.43	
33 01 30	72-0299	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,123.74	
			For Vinlyester Resin, Add	2,068.47	
			For Epoxy Resin, Add	243.78	
			For Up To >10, Add	1,983.82	
			For >10 To 25, Add	1,160.69	
			For >25 To 50, Add	844.16	
			For >50 To 100, Add	422.08	
			For >500 To 1,000, Deduct	-160.41	
			For >1,000 To 2,000, Deduct	-242.72	
			For >2,000 To 5,000, Deduct	-396.79	
			For >5,000, Deduct	-658.50	
33 01 30	72-0300	LF	39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,389.71	
			For Vinlyester Resin, Add	2,244.60	
			For Epoxy Resin, Add	264.54	
			For Up To >10, Add	2,152.71	
			For >10 To 25, Add	1,259.49	
			For >25 To 50, Add	916.02	
			For >50 To 100, Add	458.01	
			For >500 To 1,000, Deduct	-174.06	
			For >1,000 To 2,000, Deduct	-263.39	
			For >2,000 To 5,000, Deduct	-430.57	
			For >5,000, Deduct	-714.57	
33 01 30	72-0301	LF	39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,655.84	
			For Vinlyester Resin, Add	2,420.73	
			For Epoxy Resin, Add	285.30	
			For Up To >10, Add	2,322.05	
			For >10 To 25, Add	1,358.67	
			For >25 To 50, Add	988.11	
			For >50 To 100, Add	494.06	
			For >500 To 1,000, Deduct	-187.73	
			For >1,000 To 2,000, Deduct	-284.07	
			For >2,000 To 5,000, Deduct	-464.40	
			For >5,000, Deduct	-770.70	
33 01 30	72-0302	LF	39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,921.82	
			For Vinlyester Resin, Add	2,596.86	
			For Epoxy Resin, Add	306.06	
			For Up To >10, Add	2,490.96	
			For >10 To 25, Add	1,457.50	
			For >25 To 50, Add	1,059.99	
			For >50 To 100, Add	530.00	
			For >500 To 1,000, Deduct	-201.39	
			For >1,000 To 2,000, Deduct	-304.74	
			For >2,000 To 5,000, Deduct	-498.18	
			For >5,000, Deduct	-826.77	
33 01 30	72-0303	LF	39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,187.79	
			For Vinlyester Resin, Add	2,772.99	
			For Epoxy Resin, Add	326.82	
			For Up To >10, Add	2,659.85	
			For >10 To 25, Add	1,556.30	
			For >25 To 50, Add	1,131.85	
			For >50 To 100, Add	565.93	
			For >500 To 1,000, Deduct	-215.05	
			For >1,000 To 2,000, Deduct	-325.40	
			For >2,000 To 5,000, Deduct	-531.96	
			For >5,000, Deduct	-882.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0304 LF 39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,453.77	
For Vinyl Ester Resin, Add	2,949.11	
For Epoxy Resin, Add	347.57	
For Up To >10, Add	2,828.76	
For >10 To 25, Add	1,655.13	
For >25 To 50, Add	1,203.73	
For >50 To 100, Add	601.86	
For >500 To 1,000, Deduct	-228.71	
For >1,000 To 2,000, Deduct	-346.07	
For >2,000 To 5,000, Deduct	-565.75	
For >5,000, Deduct	-938.90	
33 01 30 72-0305 LF 39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,719.75	
For Vinyl Ester Resin, Add	3,125.25	
For Epoxy Resin, Add	368.33	
For Up To >10, Add	2,997.65	
For >10 To 25, Add	1,753.94	
For >25 To 50, Add	1,275.59	
For >50 To 100, Add	637.80	
For >500 To 1,000, Deduct	-242.37	
For >1,000 To 2,000, Deduct	-366.74	
For >2,000 To 5,000, Deduct	-599.53	
For >5,000, Deduct	-994.97	
33 01 30 72-0306 LF 39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,985.74	
For Vinyl Ester Resin, Add	3,301.38	
For Epoxy Resin, Add	389.09	
For Up To >10, Add	3,166.60	
For >10 To 25, Add	1,852.79	
For >25 To 50, Add	1,347.49	
For >50 To 100, Add	673.74	
For >500 To 1,000, Deduct	-256.02	
For >1,000 To 2,000, Deduct	-387.41	
For >2,000 To 5,000, Deduct	-633.32	
For >5,000, Deduct	-1,051.05	
33 01 30 72-0307 LF 39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,251.71	
For Vinyl Ester Resin, Add	3,477.50	
For Epoxy Resin, Add	409.85	
For Up To >10, Add	3,335.48	
For >10 To 25, Add	1,951.59	
For >25 To 50, Add	1,419.35	
For >50 To 100, Add	709.67	
For >500 To 1,000, Deduct	-269.68	
For >1,000 To 2,000, Deduct	-408.07	
For >2,000 To 5,000, Deduct	-667.11	
For >5,000, Deduct	-1,107.11	
33 01 30 72-0308 40.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)	1,853.61	
33 01 30 72-0309 LF 40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,853.61	
For Vinyl Ester Resin, Add	1,231.71	
For Epoxy Resin, Add	145.17	
For Up To >10, Add	1,161.86	
For >10 To 25, Add	674.95	
For >25 To 50, Add	492.95	
For >50 To 100, Add	246.47	
For >500 To 1,000, Deduct	-95.03	
For >1,000 To 2,000, Deduct	-143.72	
For >2,000 To 5,000, Deduct	-234.66	
For >5,000, Deduct	-389.53	
33 01 30 72-0310 LF 40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,128.84	
For Vinyl Ester Resin, Add	1,414.62	
For Epoxy Resin, Add	166.72	
For Up To >10, Add	1,334.32	
For >10 To 25, Add	775.12	
For >25 To 50, Add	566.12	
For >50 To 100, Add	283.06	
For >500 To 1,000, Deduct	-109.14	
For >1,000 To 2,000, Deduct	-165.06	
For >2,000 To 5,000, Deduct	-269.50	
For >5,000, Deduct	-447.36	
33 01 30 72-0311 LF 40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,404.08	
For Vinyl Ester Resin, Add	1,597.52	
For Epoxy Resin, Add	188.28	
For Up To >10, Add	1,506.82	
For >10 To 25, Add	875.32	
For >25 To 50, Add	639.30	
For >50 To 100, Add	319.65	
For >500 To 1,000, Deduct	-123.25	
For >1,000 To 2,000, Deduct	-186.40	
For >2,000 To 5,000, Deduct	-304.34	
For >5,000, Deduct	-505.20	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0312	LF		40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,679.32	
			For Vinlyester Resin, Add	1,780.42	
			For Epoxy Resin, Add	209.84	
			For Up To >10, Add	1,679.31	
			For >10 To 25, Add	975.52	
			For >25 To 50, Add	712.48	
			For >50 To 100, Add	356.24	
			For >500 To 1,000, Deduct	-137.36	
			For >1,000 To 2,000, Deduct	-207.74	
			For >2,000 To 5,000, Deduct	-339.18	
			For >5,000, Deduct	-563.04	
33 01 30 72-0313	LF		40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,962.10	
			For Vinlyester Resin, Add	1,963.33	
			For Epoxy Resin, Add	231.39	
			For Up To >10, Add	1,874.40	
			For >10 To 25, Add	1,094.54	
			For >25 To 50, Add	796.96	
			For >50 To 100, Add	398.48	
			For >500 To 1,000, Deduct	-152.04	
			For >1,000 To 2,000, Deduct	-230.02	
			For >2,000 To 5,000, Deduct	-375.91	
			For >5,000, Deduct	-623.89	
33 01 30 72-0314	LF		40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,238.02	
			For Vinlyester Resin, Add	2,146.23	
			For Epoxy Resin, Add	252.95	
			For Up To >10, Add	2,048.96	
			For >10 To 25, Add	1,196.46	
			For >25 To 50, Add	871.18	
			For >50 To 100, Add	435.59	
			For >500 To 1,000, Deduct	-166.20	
			For >1,000 To 2,000, Deduct	-251.45	
			For >2,000 To 5,000, Deduct	-410.92	
			For >5,000, Deduct	-682.00	
33 01 30 72-0315	LF		40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,513.96	
			For Vinlyester Resin, Add	2,329.13	
			For Epoxy Resin, Add	274.50	
			For Up To >10, Add	2,223.56	
			For >10 To 25, Add	1,298.41	
			For >25 To 50, Add	945.41	
			For >50 To 100, Add	472.71	
			For >500 To 1,000, Deduct	-180.36	
			For >1,000 To 2,000, Deduct	-272.88	
			For >2,000 To 5,000, Deduct	-445.94	
			For >5,000, Deduct	-740.12	
33 01 30 72-0316	LF		40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,789.90	
			For Vinlyester Resin, Add	2,512.03	
			For Epoxy Resin, Add	296.06	
			For Up To >10, Add	2,398.15	
			For >10 To 25, Add	1,400.36	
			For >25 To 50, Add	1,019.64	
			For >50 To 100, Add	509.82	
			For >500 To 1,000, Deduct	-194.53	
			For >1,000 To 2,000, Deduct	-294.31	
			For >2,000 To 5,000, Deduct	-480.95	
			For >5,000, Deduct	-798.24	
33 01 30 72-0317	LF		40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,065.83	
			For Vinlyester Resin, Add	2,694.94	
			For Epoxy Resin, Add	317.62	
			For Up To >10, Add	2,572.72	
			For >10 To 25, Add	1,502.28	
			For >25 To 50, Add	1,093.86	
			For >50 To 100, Add	546.93	
			For >500 To 1,000, Deduct	-208.69	
			For >1,000 To 2,000, Deduct	-315.73	
			For >2,000 To 5,000, Deduct	-515.97	
			For >5,000, Deduct	-856.35	
33 01 30 72-0318	LF		40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,341.76	
			For Vinlyester Resin, Add	2,877.84	
			For Epoxy Resin, Add	339.17	
			For Up To >10, Add	2,747.28	
			For >10 To 25, Add	1,604.20	
			For >25 To 50, Add	1,168.08	
			For >50 To 100, Add	584.04	
			For >500 To 1,000, Deduct	-222.85	
			For >1,000 To 2,000, Deduct	-337.16	
			For >2,000 To 5,000, Deduct	-550.98	
			For >5,000, Deduct	-914.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0319 LF 40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,617.71	
For Vinlyester Resin, Add	3,060.74	
For Epoxy Resin, Add	360.73	
For Up To >10, Add	2,921.91	
For >10 To 25, Add	1,706.17	
For >25 To 50, Add	1,242.33	
For >50 To 100, Add	621.16	
For >500 To 1,000, Deduct	-237.02	
For >1,000 To 2,000, Deduct	-358.59	
For >2,000 To 5,000, Deduct	-586.00	
For >5,000, Deduct	-972.59	
33 01 30 72-0320 LF 40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,893.64	
For Vinlyester Resin, Add	3,243.65	
For Epoxy Resin, Add	382.29	
For Up To >10, Add	3,096.47	
For >10 To 25, Add	1,808.10	
For >25 To 50, Add	1,316.55	
For >50 To 100, Add	658.27	
For >500 To 1,000, Deduct	-251.18	
For >1,000 To 2,000, Deduct	-380.02	
For >2,000 To 5,000, Deduct	-621.02	
For >5,000, Deduct	-1,030.70	
33 01 30 72-0321 LF 40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,169.57	
For Vinlyester Resin, Add	3,426.55	
For Epoxy Resin, Add	403.84	
For Up To >10, Add	3,271.04	
For >10 To 25, Add	1,910.02	
For >25 To 50, Add	1,390.76	
For >50 To 100, Add	695.38	
For >500 To 1,000, Deduct	-265.34	
For >1,000 To 2,000, Deduct	-401.44	
For >2,000 To 5,000, Deduct	-656.03	
For >5,000, Deduct	-1,088.81	
33 01 30 72-0322 LF 40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,445.51	
For Vinlyester Resin, Add	3,609.45	
For Epoxy Resin, Add	425.40	
For Up To >10, Add	3,445.63	
For >10 To 25, Add	2,011.97	
For >25 To 50, Add	1,465.00	
For >50 To 100, Add	732.50	
For >500 To 1,000, Deduct	-279.50	
For >1,000 To 2,000, Deduct	-422.87	
For >2,000 To 5,000, Deduct	-691.05	
For >5,000, Deduct	-1,146.93	
33 01 30 72-0323 42mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0324 LF 42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,202.83	
For Vinlyester Resin, Add	1,465.14	
For Epoxy Resin, Add	172.68	
For Up To >10, Add	1,375.84	
For >10 To 25, Add	797.69	
For >25 To 50, Add	583.27	
For >50 To 100, Add	291.63	
For >500 To 1,000, Deduct	-112.89	
For >1,000 To 2,000, Deduct	-170.70	
For >2,000 To 5,000, Deduct	-278.61	
For >5,000, Deduct	-462.52	
33 01 30 72-0325 LF 42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,488.03	
For Vinlyester Resin, Add	1,654.82	
For Epoxy Resin, Add	195.03	
For Up To >10, Add	1,554.02	
For >10 To 25, Add	901.01	
For >25 To 50, Add	658.81	
For >50 To 100, Add	329.40	
For >500 To 1,000, Deduct	-127.50	
For >1,000 To 2,000, Deduct	-192.80	
For >2,000 To 5,000, Deduct	-314.68	
For >5,000, Deduct	-522.41	
33 01 30 72-0326 LF 42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,773.22	
For Vinlyester Resin, Add	1,844.50	
For Epoxy Resin, Add	217.39	
For Up To >10, Add	1,732.16	
For >10 To 25, Add	1,004.30	
For >25 To 50, Add	734.33	
For >50 To 100, Add	367.17	
For >500 To 1,000, Deduct	-142.12	
For >1,000 To 2,000, Deduct	-214.90	
For >2,000 To 5,000, Deduct	-350.76	
For >5,000, Deduct	-582.29	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0327 LF 42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,066.09	
For Vinlyester Resin, Add	2,034.17	
For Epoxy Resin, Add	239.74	
For Up To >10, Add	1,933.37	
For >10 To 25, Add	1,126.82	
For >25 To 50, Add	821.39	
For >50 To 100, Add	410.69	
For >500 To 1,000, Deduct	-157.31	
For >1,000 To 2,000, Deduct	-237.96	
For >2,000 To 5,000, Deduct	-388.75	
For >5,000, Deduct	-645.24	
33 01 30 72-0328 LF 42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,351.99	
For Vinlyester Resin, Add	2,223.86	
For Epoxy Resin, Add	262.10	
For Up To >10, Add	2,113.62	
For >10 To 25, Add	1,231.86	
For >25 To 50, Add	897.96	
For >50 To 100, Add	448.98	
For >500 To 1,000, Deduct	-171.98	
For >1,000 To 2,000, Deduct	-260.15	
For >2,000 To 5,000, Deduct	-425.00	
For >5,000, Deduct	-705.41	
33 01 30 72-0329 LF 42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,637.88	
For Vinlyester Resin, Add	2,413.53	
For Epoxy Resin, Add	284.45	
For Up To >10, Add	2,293.89	
For >10 To 25, Add	1,336.93	
For >25 To 50, Add	974.55	
For >50 To 100, Add	487.28	
For >500 To 1,000, Deduct	-186.64	
For >1,000 To 2,000, Deduct	-282.34	
For >2,000 To 5,000, Deduct	-461.24	
For >5,000, Deduct	-765.57	
33 01 30 72-0330 LF 42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,923.77	
For Vinlyester Resin, Add	2,603.21	
For Epoxy Resin, Add	306.81	
For Up To >10, Add	2,474.14	
For >10 To 25, Add	1,441.97	
For >25 To 50, Add	1,051.12	
For >50 To 100, Add	525.56	
For >500 To 1,000, Deduct	-201.31	
For >1,000 To 2,000, Deduct	-304.53	
For >2,000 To 5,000, Deduct	-497.49	
For >5,000, Deduct	-825.73	
33 01 30 72-0331 LF 42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,209.65	
For Vinlyester Resin, Add	2,792.88	
For Epoxy Resin, Add	329.16	
For Up To >10, Add	2,654.38	
For >10 To 25, Add	1,547.01	
For >25 To 50, Add	1,127.70	
For >50 To 100, Add	563.85	
For >500 To 1,000, Deduct	-215.98	
For >1,000 To 2,000, Deduct	-326.71	
For >2,000 To 5,000, Deduct	-533.73	
For >5,000, Deduct	-885.89	
33 01 30 72-0332 LF 42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,495.55	
For Vinlyester Resin, Add	2,982.56	
For Epoxy Resin, Add	351.52	
For Up To >10, Add	2,834.65	
For >10 To 25, Add	1,652.08	
For >25 To 50, Add	1,204.29	
For >50 To 100, Add	602.14	
For >500 To 1,000, Deduct	-230.65	
For >1,000 To 2,000, Deduct	-348.90	
For >2,000 To 5,000, Deduct	-569.98	
For >5,000, Deduct	-946.06	
33 01 30 72-0333 LF 42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,781.44	
For Vinlyester Resin, Add	3,172.24	
For Epoxy Resin, Add	373.87	
For Up To >10, Add	3,014.90	
For >10 To 25, Add	1,757.12	
For >25 To 50, Add	1,280.86	
For >50 To 100, Add	640.43	
For >500 To 1,000, Deduct	-245.31	
For >1,000 To 2,000, Deduct	-371.09	
For >2,000 To 5,000, Deduct	-606.23	
For >5,000, Deduct	-1,006.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0334 LF 42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,067.34	
For Vinylster Resin, Add	3,361.92	
For Epoxy Resin, Add	396.23	
For Up To >10, Add	3,195.17	
For >10 To 25, Add	1,862.19	
For >25 To 50, Add	1,357.45	
For >50 To 100, Add	678.72	
For >500 To 1,000, Deduct	-259.98	
For >1,000 To 2,000, Deduct	-393.28	
For >2,000 To 5,000, Deduct	-642.48	
For >5,000, Deduct	-1,066.39	
33 01 30 72-0335 LF 42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,353.23	
For Vinylster Resin, Add	3,551.59	
For Epoxy Resin, Add	418.58	
For Up To >10, Add	3,375.44	
For >10 To 25, Add	1,967.25	
For >25 To 50, Add	1,434.04	
For >50 To 100, Add	717.02	
For >500 To 1,000, Deduct	-274.65	
For >1,000 To 2,000, Deduct	-415.47	
For >2,000 To 5,000, Deduct	-678.73	
For >5,000, Deduct	-1,126.55	
33 01 30 72-0336 LF 42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,639.12	
For Vinylster Resin, Add	3,741.27	
For Epoxy Resin, Add	440.94	
For Up To >10, Add	3,555.69	
For >10 To 25, Add	2,072.29	
For >25 To 50, Add	1,510.61	
For >50 To 100, Add	755.30	
For >500 To 1,000, Deduct	-289.32	
For >1,000 To 2,000, Deduct	-437.66	
For >2,000 To 5,000, Deduct	-714.97	
For >5,000, Deduct	-1,186.71	
33 01 30 74 Cured-in-Place Lateral Lining (33 01 30)		
33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement (33 01 30 74)		
33 01 30 74-0002 Lateral Reinstatement/Reconnection (33 01 30 74-0001)		
33 01 30 74-0003 EA Cut Liner For Laterals, Up To 4" (Robotic).....	561.55	
33 01 30 74-0004 EA Cut Liner For Laterals, 6" (Robotic).....	607.08	
33 01 30 74-0005 EA Cut Liner For Laterals, 8" (Robotic).....	645.01	
33 01 30 74-0006 EA Cut Liner For Laterals, 10" (Robotic).....	682.96	
33 01 30 74-0007 EA Cut Liner For Laterals, 12" (Robotic).....	720.90	
33 01 30 74-0008 Grout Lateral Service (33 01 30 74-0001)		
33 01 30 74-0009 Grout Lateral Service - Bladder (33 01 30 74-0008)		
33 01 30 74-0010 EA Grout Up To 4" Lateral Service - Bladder.....	632.85	
33 01 30 74-0011 EA Grout 6" Lateral Service - Bladder.....	724.98	
33 01 30 74-0012 EA Grout 8" Lateral Service - Bladder.....	817.12	
33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application (33 01 30 74-0008)		
33 01 30 74-0014 EA Grout 3" To 6" Lateral Service - Robotic Trowel Application.....	687.60	
33 01 30 74-0015 EA Grout 8" To 12" Lateral Service - Robotic Trowel Application.....	742.35	
33 01 30 74-0016 Lateral T-Liner (33 01 30 74-0001)		
Note: As manufactured by LMK.		
33 01 30 74-0017 EA Up To 4" Lateral T-Liner.....	789.79	
33 01 30 74-0018 EA 6" Lateral T-Liner.....	884.31	
33 01 30 74-0019 EA 8" Lateral T-Liner.....	1,027.06	
33 01 30 74-0020 Lining Lateral Pipe (33 01 30 74-0001)		
33 01 30 74-0021 Lining Lateral Pipe (33 01 30 74-0020)		
33 01 30 74-0022 LF 6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP).....	39.79	
For 7.5mm, Add	4.23	
For 9 mm, Add	8.37	
33 01 30 74-0023 LF 6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP).....	47.29	
For 7.5mm, Add	5.76	
For 9 mm, Add	11.39	
33 01 30 74-0024 LF 6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP).....	61.26	
For 7.5mm, Add	8.82	
For 9 mm, Add	17.45	
33 01 30 79 Fold-and-Form Pipe Lining (33 01 30)		

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0001 Form and Fold Relining Underground Pipelines <small>(33 01 30 79)</small> Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002 Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion <small>(33 01 30 79-0001)</small>		
33 01 30 79-0003 EA Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines.....	5,579.34	
33 01 30 79-0004 EA Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines	2,231.74	
33 01 30 79-0005 Form And Fold Polyethylene (PE) Pipeliner <small>(33 01 30 79-0001)</small>		
33 01 30 79-0006 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	44.27	
For DR 26 Pipe Liner, Add	8.08	
For Up To 75, Add	24.40	
For >75 To 150, Add	12.20	
For >500 To 1,000, Deduct	-0.90	
For >1,000 To 2,000, Deduct	-1.79	
For >2,000, Deduct	-3.59	
33 01 30 79-0007 LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	56.76	
For DR 26 Pipe Liner, Add	10.97	
For DR 35 Pipe Liner, Deduct	-5.49	
For Up To 75, Add	28.08	
For >75 To 150, Add	14.04	
For >500 To 1,000, Deduct	-0.97	
For >1,000 To 2,000, Deduct	-1.93	
For >2,000, Deduct	-3.86	
33 01 30 79-0008 LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	58.65	
For DR 26 Pipe Liner, Add	11.18	
For DR 35 Pipe Liner, Deduct	-5.59	
For Up To 75, Add	29.87	
For >75 To 150, Add	14.93	
For >500 To 1,000, Deduct	-1.05	
For >1,000 To 2,000, Deduct	-2.09	
For >2,000, Deduct	-4.19	
33 01 30 79-0009 LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	82.27	
For DR 26 Pipe Liner, Add	16.76	
For DR 35 Pipe Liner, Deduct	-8.38	
For DR 41 Pipe Liner, Deduct	-16.76	
For Up To 75, Add	36.24	
For >75 To 150, Add	18.12	
For >500 To 1,000, Deduct	-1.14	
For >1,000 To 2,000, Deduct	-2.28	
For >2,000, Deduct	-4.57	
33 01 30 79-0010 LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	114.87	
For DR 26 Pipe Liner, Add	24.54	
For DR 35 Pipe Liner, Deduct	-12.27	
For DR 41 Pipe Liner, Deduct	-24.54	
For Up To 75, Add	44.72	
For >75 To 150, Add	22.36	
For >500 To 1,000, Deduct	-1.25	
For >1,000 To 2,000, Deduct	-2.51	
For >2,000, Deduct	-5.02	
33 01 30 79-0011 LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	157.18	
For DR 35 Pipe Liner, Deduct	-17.27	
For DR 41 Pipe Liner, Deduct	-34.54	
For Up To 75, Add	56.16	
For >75 To 150, Add	28.08	
For >500 To 1,000, Deduct	-1.43	
For >1,000 To 2,000, Deduct	-2.85	
For >2,000, Deduct	-5.71	
33 01 30 79-0012 LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	221.79	
For DR 41 Pipe Liner, Deduct	-20.03	
For DR 50 Pipe Liner, Deduct	-40.07	
For Up To 75, Add	72.24	
For >75 To 150, Add	36.12	
For >500 To 1,000, Deduct	-1.61	
For >1,000 To 2,000, Deduct	-3.22	
For >2,000, Deduct	-6.44	
33 01 30 79-0013 LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	250.81	
For DR 50 Pipe Liner, Deduct	-34.13	
For DR 55 Pipe Liner, Deduct	-56.89	
For Up To 75, Add	80.39	
For >75 To 150, Add	40.19	
For >500 To 1,000, Deduct	-1.74	
For >1,000 To 2,000, Deduct	-3.49	
For >2,000, Deduct	-6.98	
33 01 30 79-0014 LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	305.75	
For DR 60 Pipe Liner, Deduct	-42.06	
For Up To 75, Add	94.12	
For >75 To 150, Add	47.06	
For >500 To 1,000, Deduct	-1.90	
For >1,000 To 2,000, Deduct	-3.80	
For >2,000, Deduct	-7.61	
33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner <small>(33 01 30 79-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0016 LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	47.31	
<i>For Up To 75, Add</i>	25.01	
<i>For >75 To 150, Add</i>	12.51	
<i>For >500 To 1,000, Deduct</i>	-0.90	
<i>For >1,000 To 2,000, Deduct</i>	-1.79	
<i>For >2,000, Deduct</i>	-3.59	
<i>For DR 26 Pipe Liner, Add</i>	8.84	
33 01 30 79-0017 LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	56.76	
<i>For Up To 75, Add</i>	28.08	
<i>For >75 To 150, Add</i>	14.04	
<i>For >500 To 1,000, Deduct</i>	-0.97	
<i>For >1,000 To 2,000, Deduct</i>	-1.93	
<i>For >2,000, Deduct</i>	-3.86	
<i>For DR 26 Pipe Liner, Add</i>	10.97	
<i>For DR 35 Pipe Liner, Deduct</i>	-5.49	
33 01 30 79-0018 LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	62.71	
<i>For Up To 75, Add</i>	30.68	
<i>For >75 To 150, Add</i>	15.34	
<i>For >500 To 1,000, Deduct</i>	-1.05	
<i>For >1,000 To 2,000, Deduct</i>	-2.09	
<i>For >2,000, Deduct</i>	-4.19	
<i>For DR 26 Pipe Liner, Add</i>	12.19	
<i>For DR 35 Pipe Liner, Deduct</i>	-6.10	
33 01 30 79-0019 LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	88.37	
<i>For Up To 75, Add</i>	37.46	
<i>For >75 To 150, Add</i>	18.73	
<i>For >500 To 1,000, Deduct</i>	-1.14	
<i>For >1,000 To 2,000, Deduct</i>	-2.28	
<i>For >2,000, Deduct</i>	-4.57	
<i>For DR 26 Pipe Liner, Add</i>	18.29	
<i>For DR 35 Pipe Liner, Deduct</i>	-9.14	
<i>For DR 41 Pipe Liner, Deduct</i>	-18.29	
33 01 30 79-0020 LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	124.01	
<i>For Up To 75, Add</i>	46.55	
<i>For >75 To 150, Add</i>	23.28	
<i>For >500 To 1,000, Deduct</i>	-1.25	
<i>For >1,000 To 2,000, Deduct</i>	-2.51	
<i>For >2,000, Deduct</i>	-5.02	
<i>For DR 26 Pipe Liner, Add</i>	26.82	
<i>For DR 35 Pipe Liner, Deduct</i>	-13.41	
<i>For DR 41 Pipe Liner, Deduct</i>	-26.82	
33 01 30 79-0021 LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	170.19	
<i>For Up To 75, Add</i>	58.76	
<i>For >75 To 150, Add</i>	29.38	
<i>For >500 To 1,000, Deduct</i>	-1.43	
<i>For >1,000 To 2,000, Deduct</i>	-2.85	
<i>For >2,000, Deduct</i>	-5.71	
<i>For DR 35 Pipe Liner, Deduct</i>	-18.90	
<i>For DR 41 Pipe Liner, Deduct</i>	-37.79	
33 01 30 79-0022 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	240.89	
<i>For Up To 75, Add</i>	76.06	
<i>For >75 To 150, Add</i>	38.03	
<i>For >500 To 1,000, Deduct</i>	-1.61	
<i>For >1,000 To 2,000, Deduct</i>	-3.22	
<i>For >2,000, Deduct</i>	-6.44	
<i>For DR 41 Pipe Liner, Deduct</i>	-21.94	
<i>For DR 50 Pipe Liner, Deduct</i>	-43.89	
33 01 30 79-0023 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	271.94	
<i>For Up To 75, Add</i>	84.61	
<i>For >75 To 150, Add</i>	42.31	
<i>For >500 To 1,000, Deduct</i>	-1.74	
<i>For >1,000 To 2,000, Deduct</i>	-3.49	
<i>For >2,000, Deduct</i>	-6.98	
<i>For DR 50 Pipe Liner, Deduct</i>	-37.30	
<i>For DR 55 Pipe Liner, Deduct</i>	-62.17	
33 01 30 79-0024 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	332.57	
<i>For Up To 75, Add</i>	99.48	
<i>For >75 To 150, Add</i>	49.74	
<i>For >500 To 1,000, Deduct</i>	-1.90	
<i>For >1,000 To 2,000, Deduct</i>	-3.80	
<i>For >2,000, Deduct</i>	-7.61	
<i>For DR 60 Pipe Liner, Deduct</i>	-46.08	

33 01 30 81 Manhole Rehabilitation (33 01 30)

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)
 Note: Work is in confined spaces.

33 01 30 81-0002 Inspection And Ventilation System Set-up (33 01 30 81-0001)

33 01 30 81-0003	EA Inspect Manhole.....	173.83
33 01 30 81-0004	EA 36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	14,304.69
	Note: For internal inspection and repair of water mains.	
33 01 30 81-0005	EA >60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	20,277.90
	Note: For internal inspection and repair of water mains	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0006 Manhole Seals <small>(33 01 30 81-0001)</small>		
33 01 30 81-0007 Internal Manhole Chimney Seals <small>(33 01 30 81-0006)</small>		
Note: Cretex.		
33 01 30 81-0008 EA 20" Internal Manhole Chimney Seal.....	581.38	
33 01 30 81-0009 EA 22" Internal Manhole Chimney Seal.....	612.81	
33 01 30 81-0010 EA 24" Internal Manhole Chimney Seal.....	628.52	
33 01 30 81-0011 EA 26" Internal Manhole Chimney Seal.....	722.79	
33 01 30 81-0012 EA 28" Internal Manhole Chimney Seal.....	817.07	
33 01 30 81-0013 EA 30" Internal Manhole Chimney Seal.....	911.35	
33 01 30 81-0014 EA 36" Internal Manhole Chimney Seal.....	1,099.91	
33 01 30 81-0015 External Manhole Encapsulation <small>(33 01 30 81-0006)</small>		
Note: Wrapidseal.		
33 01 30 81-0016 EA 24" External Manhole Encapsulation	848.51	
33 01 30 81-0017 EA 30" External Manhole Encapsulation	895.63	
33 01 30 81-0018 EA 36" External Manhole Encapsulation	958.49	
33 01 30 81-0019 EA 42" External Manhole Encapsulation	1,037.05	
33 01 30 81-0020 EA 48" External Manhole Encapsulation	1,147.05	
33 01 30 81-0021 EA 54" External Manhole Encapsulation	1,272.75	
33 01 30 81-0022 EA 60" External Manhole Encapsulation	1,429.88	
33 01 30 81-0023 Manhole Crack Repair <small>(33 01 30 81-0001)</small>		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0024 LF Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	53.76	
33 01 30 81-0025 LF >1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	72.43	
33 01 30 81-0026 LF Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	51.30	
33 01 30 81-0027 LF >1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	69.61	
33 01 30 81-0028 Manhole Patching <small>(33 01 30 81-0001)</small>		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0029 SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching	16.73	
33 01 30 81-0030 SF Up To 1/4" Thick, Epoxy Grout, Manhole Patching	40.32	
33 01 30 81-0031 Manhole Joint Restoration <small>(33 01 30 81-0001)</small>		
Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032 EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,378.40	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>		240.78
33 01 30 81-0033 EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,776.44	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>		268.41
33 01 30 81-0034 EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole	3,171.18	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>		296.04
33 01 30 81-0035 EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole	3,758.41	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>		309.85
33 01 30 81-0036 EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole	4,343.98	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
<i>For Grouting Each Additional Manhole Joint Section, Add</i>		323.67
33 01 30 81-0037 Step Installation In Existing Manholes <small>(33 01 30 81-0001)</small>		
Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038 EA Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	160.90	22.03
33 01 30 81-0039 EA Drill And Grout Galvanized Steel Manhole Step	118.43	22.03
33 01 30 81-0040 EA Bolt On Galvanized Steel Manhole Step	133.64	22.03
33 01 30 81-0041 EA Drill And Grout Aluminum Manhole Step	145.66	22.03
33 01 30 81-0042 EA Drill And Insert Polypropylene Manhole Step.....	68.35	17.63
33 01 30 81-0043 Manhole Penetration Sealing <small>(33 01 30 81-0001)</small>		
Note: At new pipe connection to manhole.		
33 01 30 81-0044 EA 6" To 12" Opening, Seal New Pipe Connection To Existing Manhole.....	416.92	
33 01 30 81-0045 EA >12" To 22" Opening, Seal New Pipe Connection To Existing Manhole.....	647.10	
33 01 30 81-0046 EA >22" To 36" Opening, Seal New Pipe Connection To Existing Manhole.....	891.76	
33 01 30 81-0047 Invert Restoration <small>(33 01 30 81-0001)</small>		
Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0048 Concrete Invert Restoration <small>(33 01 30 81-0047)</small>		
33 01 30 81-0049 EA 2' Diameter, Concrete Invert Restoration	376.30	
33 01 30 81-0050 EA 3' Diameter, Concrete Invert Restoration	419.76	
33 01 30 81-0051 EA 4' Diameter, Concrete Invert Restoration	463.22	
33 01 30 81-0052 EA 5' Diameter, Concrete Invert Restoration	506.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0053 EA 6' Diameter, Concrete Invert Restoration.....	637.05	
33 01 30 81-0054 SF Square Or Rectangular, Concrete Invert Restoration	36.84	
33 01 30 81-0055 Brick Invert Restoration (33 01 30 81-0047)		
33 01 30 81-0056 EA 2' Diameter, Brick Invert Restoration	590.40	
33 01 30 81-0057 EA 3' Diameter, Brick Invert Restoration	633.86	
33 01 30 81-0058 EA 4' Diameter, Brick Invert Restoration	677.32	
33 01 30 81-0059 EA 5' Diameter, Brick Invert Restoration	720.77	
33 01 30 81-0060 EA 6' Diameter, Brick Invert Restoration	764.23	
33 01 30 81-0061 SF Square Or Rectangular, Brick Invert Restoration	50.69	
33 01 30 81-0062 Repair In-Kind Of Drainage Structures (33 01 30 81)		
Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0063 VLF 2' Diameter, Repair In-Kind Drainage Structure.....	797.30	
33 01 30 81-0064 VLF 3' Diameter, Repair In-Kind Drainage Structure.....	1,195.96	
33 01 30 81-0065 VLF 4' Diameter, Repair In-Kind Drainage Structure.....	1,594.72	
33 01 30 81-0066 VLF 5' Diameter, Repair In-Kind Drainage Structure.....	1,993.26	
33 01 30 81-0067 VLF 6' Diameter, Repair In-Kind Drainage Structure.....	2,391.92	
33 01 30 81-0068 VLF 2' x 2', Repair In-Kind Drainage Structure.....	1,015.68	
33 01 30 81-0069 VLF 2' x 3', Repair In-Kind Drainage Structure.....	1,269.60	
33 01 30 81-0070 VLF 2' x 4', Repair In-Kind Drainage Structure.....	1,523.52	
33 01 30 81-0071 VLF 3' x 4', Repair In-Kind Drainage Structure.....	1,777.44	
33 01 30 81-0072 VLF 4' x 4', Repair In-Kind Drainage Structure.....	2,031.35	
33 01 30 81-0073 VLF 4' x 5', Repair In-Kind Drainage Structure.....	2,285.27	
33 01 30 81-0074 VLF 4' x 6', Repair In-Kind Drainage Structure.....	2,539.19	
33 01 30 81-0075 VLF 4' x 8', Repair In-Kind Drainage Structure.....	3,047.03	
33 01 30 81-0076 VLF >32 GSF, Repair In-Kind Drainage Structure.....	3,554.87	
33 01 30 82 Epoxy Lining for Concrete Manholes (33 01 30)		
33 01 30 82-0001 Epoxy Manhole Restoration, Interior (33 01 30 82)		
33 01 30 82-0002 VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	369.93	
<i>For 80 Mil Material, Add</i>	43.01	
<i>For 100 Mil Material, Add</i>	86.02	
<i>For 125 Mil Material, Add</i>	133.95	
<i>For 150 Mil Material, Add</i>	181.89	
<i>For 200 Mil Material, Add</i>	262.21	
<i>For 2 To 5 Manholes, Deduct</i>	-26.27	
<i>For 6 To 10 Manholes, Deduct</i>	-43.29	
<i>For >10 Manholes, Deduct</i>	-86.57	
33 01 30 82-0003 VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	448.92	
<i>For 80 Mil Material, Add</i>	51.50	
<i>For 100 Mil Material, Add</i>	102.99	
<i>For 125 Mil Material, Add</i>	160.24	
<i>For 150 Mil Material, Add</i>	217.49	
<i>For 200 Mil Material, Add</i>	312.99	
<i>For 2 To 5 Manholes, Deduct</i>	-31.94	
<i>For 6 To 10 Manholes, Deduct</i>	-52.66	
<i>For >10 Manholes, Deduct</i>	-105.33	
33 01 30 82-0004 VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	493.24	
<i>For 80 Mil Material, Add</i>	57.35	
<i>For 100 Mil Material, Add</i>	114.69	
<i>For 125 Mil Material, Add</i>	178.61	
<i>For 150 Mil Material, Add</i>	242.52	
<i>For 200 Mil Material, Add</i>	349.62	
<i>For 2 To 5 Manholes, Deduct</i>	-35.02	
<i>For 6 To 10 Manholes, Deduct</i>	-57.72	
<i>For >10 Manholes, Deduct</i>	-115.43	
33 01 30 82-0005 VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	616.61	
<i>For 80 Mil Material, Add</i>	71.70	
<i>For 100 Mil Material, Add</i>	143.41	
<i>For 125 Mil Material, Add</i>	223.33	
<i>For 150 Mil Material, Add</i>	303.24	
<i>For 200 Mil Material, Add</i>	437.17	
<i>For 2 To 5 Manholes, Deduct</i>	-43.78	
<i>For 6 To 10 Manholes, Deduct</i>	-72.15	
<i>For >10 Manholes, Deduct</i>	-144.30	
33 01 30 82-0006 VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	739.92	
<i>For 80 Mil Material, Add</i>	86.04	
<i>For 100 Mil Material, Add</i>	172.08	
<i>For 125 Mil Material, Add</i>	267.98	
<i>For 150 Mil Material, Add</i>	363.88	
<i>For 200 Mil Material, Add</i>	524.58	
<i>For 2 To 5 Manholes, Deduct</i>	-52.54	
<i>For 6 To 10 Manholes, Deduct</i>	-86.58	
<i>For >10 Manholes, Deduct</i>	-173.16	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 01 30 83 Lining for Concrete Manholes (33 01 30)

33 01 30 83-0001	Manhole Lining (33 01 30 83) Note: Includes power washing and cleaning of manhole interiors.	
33 01 30 83-0002	Cementitious Manhole Restoration, Interior (33 01 30 83-0001)	
33 01 30 83-0003	VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior.....	166.40
	For Each Additional 1/2" Thick Material, Add	44.77
	For 2 To 5 Manholes, Deduct	-11.60
	For 6 To 10 Manholes, Deduct	-19.04
	For >10 Manholes, Deduct	-38.08
33 01 30 83-0004	VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior.....	192.98
	For Each Additional 1/2" Thick Material, Add	52.11
	For 2 To 5 Manholes, Deduct	-13.45
	For 6 To 10 Manholes, Deduct	-22.07
	For >10 Manholes, Deduct	-44.14
33 01 30 83-0005	VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	219.57
	For Each Additional 1/2" Thick Material, Add	59.46
	For 2 To 5 Manholes, Deduct	-15.30
	For 6 To 10 Manholes, Deduct	-25.10
	For >10 Manholes, Deduct	-50.20
33 01 30 83-0006	VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior.....	259.19
	For Each Additional 1/2" Thick Material, Add	73.02
	For 2 To 5 Manholes, Deduct	-17.97
	For 6 To 10 Manholes, Deduct	-29.45
	For >10 Manholes, Deduct	-58.91
33 01 30 83-0007	VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior.....	284.44
	For Each Additional 1/2" Thick Material, Add	84.69
	For 2 To 5 Manholes, Deduct	-19.58
	For 6 To 10 Manholes, Deduct	-32.04
	For >10 Manholes, Deduct	-64.08

33 01 30 83-0008 Polyurethane Manhole Restoration, Interior (33 01 30 83-0001)

33 01 30 83-0009	VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	331.47
	For 80 Mil Material, Add	30.19
	For 100 Mil Material, Add	60.38
	For 125 Mil Material, Add	92.29
	For 150 Mil Material, Add	124.20
	For 200 Mil Material, Add	172.47
	For 2 To 5 Manholes, Deduct	-24.34
	For 6 To 10 Manholes, Deduct	-40.40
	For >10 Manholes, Deduct	-80.80
33 01 30 83-0010	VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	403.98
	For 80 Mil Material, Add	36.52
	For 100 Mil Material, Add	73.03
	For 125 Mil Material, Add	111.56
	For 150 Mil Material, Add	150.08
	For 200 Mil Material, Add	208.13
	For 2 To 5 Manholes, Deduct	-29.70
	For 6 To 10 Manholes, Deduct	-49.29
	For >10 Manholes, Deduct	-98.59
33 01 30 83-0011	VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	441.96
	For 80 Mil Material, Add	40.25
	For 100 Mil Material, Add	80.51
	For 125 Mil Material, Add	123.05
	For 150 Mil Material, Add	165.60
	For 200 Mil Material, Add	229.97
	For 2 To 5 Manholes, Deduct	-32.46
	For 6 To 10 Manholes, Deduct	-53.87
	For >10 Manholes, Deduct	-107.74
33 01 30 83-0012	VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	552.45
	For 80 Mil Material, Add	50.32
	For 100 Mil Material, Add	100.64
	For 125 Mil Material, Add	153.82
	For 150 Mil Material, Add	207.00
	For 200 Mil Material, Add	287.47
	For 2 To 5 Manholes, Deduct	-40.57
	For 6 To 10 Manholes, Deduct	-67.34
	For >10 Manholes, Deduct	-134.67
33 01 30 83-0013	VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	662.93
	For 80 Mil Material, Add	60.38
	For 100 Mil Material, Add	120.76
	For 125 Mil Material, Add	184.57
	For 150 Mil Material, Add	248.39
	For 200 Mil Material, Add	344.94
	For 2 To 5 Manholes, Deduct	-48.69
	For 6 To 10 Manholes, Deduct	-80.80
	For >10 Manholes, Deduct	-161.61

33 01 30 83-0014 Multiplexx™ PVC Cured-In-Place (CIP) Lining Manhole Restoration, Interior (33 01 30 83-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0015 VLF 3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	558.77	
For 2 To 5 Manholes, Deduct	-32.65	
For 6 To 10 Manholes, Deduct	-51.32	
For >10 Manholes, Deduct	-102.65	
33 01 30 83-0016 VLF 3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	684.27	
For 2 To 5 Manholes, Deduct	-39.97	
For 6 To 10 Manholes, Deduct	-62.83	
For >10 Manholes, Deduct	-125.66	
33 01 30 83-0017 VLF 4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	805.25	
For 2 To 5 Manholes, Deduct	-46.54	
For 6 To 10 Manholes, Deduct	-72.95	
For >10 Manholes, Deduct	-145.89	
33 01 30 83-0018 VLF 5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	1,009.79	
For 2 To 5 Manholes, Deduct	-58.34	
For 6 To 10 Manholes, Deduct	-91.43	
For >10 Manholes, Deduct	-182.85	
33 01 30 83-0019 VLF 6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	1,214.32	
For 2 To 5 Manholes, Deduct	-70.13	
For 6 To 10 Manholes, Deduct	-109.90	
For >10 Manholes, Deduct	-219.81	
 33 01 30 86 Manhole Rim Adjustment (33 01 30)		
33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86)		
33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86-0001)		
33 01 30 86-0003 EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	343.45	
33 01 30 86-0004 EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	385.48	
33 01 30 86-0005 EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	423.81	
33 01 30 86-0006 EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	467.18	
33 01 30 86-0007 EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	502.70	
33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser (33 01 30 86-0001)		
33 01 30 86-0009 EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	401.26	
33 01 30 86-0010 EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	437.04	
33 01 30 86-0011 EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	481.84	
33 01 30 86-0012 EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	525.20	
33 01 30 86-0013 EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	567.15	
33 01 30 86-0014 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers (33 01 30 86-0001)		
33 01 30 86-0015 EA >6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	561.25	
33 01 30 86-0016 EA 7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	609.95	
33 01 30 86-0017 EA 7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	659.49	
33 01 30 86-0018 EA 8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	699.33	
33 01 30 86-0019 EA 9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	759.40	
33 01 30 86-0020 EA 10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	814.26	
33 01 30 86-0021 EA 11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	868.14	
33 01 30 86-0022 EA 12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	923.25	
33 01 30 86-0023 >12" Rise, Solid Manhole Risers (33 01 30 86)		
33 01 30 86-0024 Precast Concrete Manhole Riser (33 01 30 86-0023)		
33 01 30 86-0025 VLF Up To 26" Diameter Precast Concrete Manhole Riser.....	130.89	
33 01 30 86-0026 VLF >26" To 36" Diameter Precast Concrete Manhole Riser.....	155.77	
33 01 30 86-0027 VLF >36" To 48" Diameter Precast Concrete Manhole Riser.....	176.26	
33 01 30 86-0028 VLF >48" To 60" Diameter Precast Concrete Manhole Riser.....	359.81	
33 01 30 86-0029 VLF >60" To 72" Diameter Precast Concrete Manhole Riser.....	526.99	
 33 01 30 89 By-Pass Piping and Pumping of Sewer Utilities (33 01 30)		
33 01 30 89-0001 Set-Up By-Pass Pumping Unit (33 01 30 89)		
Note: Excludes pump and hose rental. See CSI section 01 22 23 00-1025 for pump rental, 01 22 23 00-1058 for suction hose, 01 22 23 00-1077 for discharge hose.		
33 01 30 89-0002 EA Set-up By-Pass Pumping Unit.....	2,096.43	
33 01 30 89-0003 EA Re-Set Up/Move By-Pass Pumping Unit.....	1,048.21	
33 01 30 89-0004 By-Pass Pumping (33 01 30 89)		
Note: Excludes pump rental. See CSI section 01 22 23 00-1025 for pump rental.		
33 01 30 89-0005 DAY Maintain And Operate By-Pass Pumping Unit.....	524.11	
33 01 30 89-0006 WK Maintain And Operate By-Pass Pumping Unit.....	2,620.53	
33 01 30 89-0007 MO Maintain And Operate By-Pass Pumping Unit.....	11,006.26	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 89-0008	Temporary Bypass And Service Lines <small>(33 01 30 89)</small> Note: Laid on ground, includes fittings and connections. Remove after use.	
33 01 30 89-0009	Temporary Water Service Lines <small>(33 01 30 89-0008)</small> Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.	
33 01 30 89-0010	LF 1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	3.66
33 01 30 89-0011	LF 3/4" Temporary Service Hose With Fittings Note: Includes removal after use.	4.65
33 01 30 89-0012	LF 1" Temporary Service Hose With Fittings Note: Includes removal after use.	5.40
33 01 30 89-0013	LF 1-1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	6.45
33 01 30 89-0014	LF 2" Temporary Service Hose With Fittings Note: Includes removal after use.	7.91
33 01 30 89-0015	EA Temporary Service Valve Assembly At Fire Hydrant Note: Includes removal after use.	406.46
33 01 30 89-0016	Temporary Bypass Water Main Lines <small>(33 01 30 89-0008)</small> Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.	
33 01 30 89-0017	LF 2" Temporary Bypass Pipe With Fittings Note: Includes removal after use.	8.25
	<i>For >500 To 1,000, Deduct</i>	-0.56
	<i>For >1,000 To 5,000, Deduct</i>	-1.13
	<i>For >5,000, Deduct</i>	-1.88
33 01 30 89-0018	LF 4" Temporary Bypass Pipe With Fittings Note: Includes removal after use.	10.44
	<i>For >500 To 1,000, Deduct</i>	-0.73
	<i>For >1,000 To 5,000, Deduct</i>	-1.45
	<i>For >5,000, Deduct</i>	-2.42
33 01 30 89-0019	LF 6" Temporary Bypass Pipe With Fittings Note: Includes removal after use.	12.84
	<i>For >500 To 1,000, Deduct</i>	-0.85
	<i>For >1,000 To 5,000, Deduct</i>	-1.69
	<i>For >5,000, Deduct</i>	-2.82
33 01 30 89-0020	LF 8" Temporary Bypass Pipe With Fittings Note: Includes removal after use.	16.20
	<i>For >500 To 1,000, Deduct</i>	-1.02
	<i>For >1,000 To 5,000, Deduct</i>	-2.03
	<i>For >5,000, Deduct</i>	-3.39
33 01 30 89-0021	Piping Protection For Temporary Water Line <small>(33 01 30 89-0008)</small>	
33 01 30 89-0022	LF Cold Mix For Temporary Pipe Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.	3.22
33 01 30 89-0023	Drill Meter Cover For Temporary Water Line <small>(33 01 30 89-0008)</small>	
33 01 30 89-0024	EA Drill Meter Cover For Temporary Bypass Pipe.....	16.60

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems (33 01)**33 01 34 13 Septic Tank Solids Removal** (33 01 34)**33 01 34 13-0001 Pump Out Septic Tanks** (33 01 34 13)

33 01 34 13-0002	GAL Pump Out Septic Tank And Dispose.....	0.70
------------------	---	------

33 05 Common Work Results for Utilities (33)**33 05 07 Trenchless Installation of Utility Piping** (33 05)**33 05 07 13 Utility Directional Drilling** (33 05 07)**33 05 07 13-0001 Horizontal Augering** (33 05 07 13)

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.

33 05 07 13-0002	LF Up To 2" Diameter Horizontal Hand Augering	25.57
33 05 07 13-0003	LF 3" Diameter Horizontal Hand Augering	30.85
33 05 07 13-0004	LF 4" Diameter Horizontal Hand Augering	42.31
33 05 07 13-0005	LF 6" Diameter Horizontal Hand Augering	54.65
33 05 07 13-0006	LF 8" Diameter Horizontal Augering.....	96.72
33 05 07 13-0007	LF 10" Diameter Horizontal Augering.....	141.10
33 05 07 13-0008	LF 12" Diameter Horizontal Augering.....	169.53
33 05 07 13-0009	LF 16" Diameter Horizontal Augering.....	202.53
33 05 07 13-0010	LF 20" Diameter Horizontal Augering.....	350.46
33 05 07 13-0011	LF 24" Diameter Horizontal Augering.....	442.07
33 05 07 13-0012	LF 30" Diameter Horizontal Augering.....	545.27
33 05 07 13-0013	LF 36" Diameter Horizontal Augering.....	622.98



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0014	LF			42" Diameter Horizontal Augering.....	812.84	
33 05 07 13-0015	LF			48" Diameter Horizontal Augering.....	875.85	
33 05 07 13-0016	LF			54" Diameter Horizontal Augering.....	952.53	
33 05 07 13-0017	LF			60" Diameter Horizontal Augering.....	998.62	
33 05 07 13-0018	EA			8" To 20" Horizontal Augering Minimum Set-up Charge.....	4,096.22	
				Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0019	EA			>20" To 36" Horizontal Augering Minimum Set-up Charge.....	5,605.56	
				Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0020	EA			>36" Horizontal Augering Minimum Set-up Charge.....	8,297.89	
				Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0021				Horizontal Directional Boring <small>(33 05 07 13)</small>		
				Note: Excludes receiving pits or dewatering or cost of casing pipe.		
33 05 07 13-0022	LF			Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground.....	13.38	
				<i>For Horizontal Boring Through Rock, Add</i>	9.37	
33 05 07 13-0023	LF			2" Diameter Directional Boring For Horizontal Pipe, Underground.....	20.08	
				<i>For Horizontal Boring Through Rock, Add</i>	14.06	
33 05 07 13-0024	LF			2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground.....	27.89	
				<i>For Horizontal Boring Through Rock, Add</i>	19.52	
33 05 07 13-0025	LF			3" Diameter Directional Boring For Horizontal Pipe, Underground.....	34.58	
				<i>For Horizontal Boring Through Rock, Add</i>	24.21	
33 05 07 13-0026	LF			4" Diameter Directional Boring For Horizontal Pipe, Underground.....	41.27	
				<i>For Horizontal Boring Through Rock, Add</i>	28.89	
33 05 07 13-0027	LF			5" Diameter Directional Boring For Horizontal Pipe, Underground.....	47.97	
				<i>For Horizontal Boring Through Rock, Add</i>	33.58	
33 05 07 13-0028	LF			6" Diameter Directional Boring For Horizontal Pipe, Underground.....	55.78	
				<i>For Horizontal Boring Through Rock, Add</i>	39.05	
33 05 07 13-0029	LF			8" Diameter Directional Boring For Horizontal Pipe, Underground.....	68.27	
				<i>For Horizontal Boring Through Rock, Add</i>	47.79	
33 05 07 13-0030	LF			10" Diameter Directional Boring For Horizontal Pipe, Underground.....	73.96	
				<i>For Horizontal Boring Through Rock, Add</i>	51.77	
33 05 07 13-0031	LF			12" Diameter Directional Boring For Horizontal Pipe, Underground.....	79.65	
				<i>For Horizontal Boring Through Rock, Add</i>	55.76	
33 05 07 13-0032	LF			18" Diameter Directional Boring For Horizontal Pipe, Underground.....	164.98	
				<i>For Horizontal Boring Through Rock, Add</i>	115.49	
33 05 07 13-0033	LF			24" Diameter Directional Boring For Horizontal Pipe, Underground.....	261.17	
				<i>For Horizontal Boring Through Rock, Add</i>	182.82	
33 05 07 13-0034	LF			30" Diameter Directional Boring For Horizontal Pipe, Underground.....	398.12	
				<i>For Horizontal Boring Through Rock, Add</i>	278.68	
33 05 07 13-0035	LF			36" Diameter Directional Boring For Horizontal Pipe, Underground.....	637.00	
				<i>For Horizontal Boring Through Rock, Add</i>	445.90	
33 05 07 13-0036	EA			Up To 6" Horizontal Directional Boring Minimum Set-up Charge.....	3,569.67	
				Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0037	EA			>6" To 18" Horizontal Directional Boring Minimum Set-up Charge.....	4,096.22	
				Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0038	EA			>18" To 36" Horizontal Directional Boring Minimum Set-up Charge.....	5,605.56	
				Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23				Utility Boring and Jacking <small>(33 05 07)</small>		
33 05 07 23-0001				Horizontal Jacking <small>(33 05 07 23)</small>		
				Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.		
33 05 07 23-0002	LF			Up To 2" Diameter Horizontal Jacking.....	65.72	
				<i>For Horizontal Jacking Through Rock, Add</i>	31.19	
33 05 07 23-0003	LF			3" Diameter Horizontal Jacking.....	78.79	
				<i>For Horizontal Jacking Through Rock, Add</i>	37.65	
33 05 07 23-0004	LF			4" Diameter Horizontal Jacking.....	106.46	
				<i>For Horizontal Jacking Through Rock, Add</i>	51.63	
33 05 07 23-0005	LF			6" Diameter Horizontal Jacking.....	137.59	
				<i>For Horizontal Jacking Through Rock, Add</i>	66.69	
33 05 07 23-0006	LF			8" Diameter Horizontal Jacking.....	186.39	
				<i>For Horizontal Jacking Through Rock, Add</i>	91.42	
33 05 07 23-0007	LF			10" Diameter Horizontal Jacking.....	273.26	
				<i>For Horizontal Jacking Through Rock, Add</i>	133.38	
33 05 07 23-0008	LF			12" Diameter Horizontal Jacking.....	328.99	
				<i>For Horizontal Jacking Through Rock, Add</i>	160.27	
33 05 07 23-0009	LF			16" Diameter Horizontal Jacking.....	392.80	
				<i>For Horizontal Jacking Through Rock, Add</i>	191.47	
33 05 07 23-0010	LF			20" Diameter Horizontal Jacking.....	611.40	
				<i>For Horizontal Jacking Through Rock, Add</i>	332.37	
33 05 07 23-0011	LF			24" Diameter Horizontal Jacking.....	1,013.81	
				<i>For Horizontal Jacking Through Rock, Add</i>	373.02	
33 05 07 23-0012	LF			30" Diameter Horizontal Jacking.....	1,177.38	
				<i>For Horizontal Jacking Through Rock, Add</i>	460.59	
33 05 07 23-0013	LF			36" Diameter Horizontal Jacking.....	1,329.46	
				<i>For Horizontal Jacking Through Rock, Add</i>	526.65	

33 Utilities**33 05 Common Work Results for Utilities****33 05 07 Trenchless Installation of Utility Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 23-0014 LF 42" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,428.04 568.72	
33 05 07 23-0015 LF 48" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,548.69 612.77	
33 05 07 23-0016 LF 54" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,654.68 666.90	
33 05 07 23-0017 EA Up To 6" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,569.67	
33 05 07 23-0018 EA >6" To 20" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,096.22	
33 05 07 23-0019 EA >20" To 36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,605.56	
33 05 07 23-0020 EA >36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,297.89	

33 05 07 24 Casing Piping for Utility Jacking (33 05 07)

33 05 07 24-0001 Casing Pipe (33 05 07 24)
Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe (33 05 07 24-0001)

33 05 07 24-0003 LF 1-1/2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	19.71	
33 05 07 24-0004 LF 2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	20.86	
33 05 07 24-0005 LF 2-1/2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	22.55	
33 05 07 24-0006 LF 3" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	24.27	
33 05 07 24-0007 LF 4" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	30.80	
33 05 07 24-0008 LF 5" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	34.86	
33 05 07 24-0009 LF 6" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	38.94	

33 05 07 24-0010 Polyethylene Pipe (33 05 07 24-0001)

33 05 07 24-0011 LF 3/4" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	6.56	
33 05 07 24-0012 LF 1" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	7.17	
33 05 07 24-0013 LF 1-1/4" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	7.77	
33 05 07 24-0014 LF 1-1/2" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	8.32	
33 05 07 24-0015 LF 2" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	8.90	
33 05 07 24-0016 LF 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	9.54	
33 05 07 24-0017 LF 3" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	10.20	
33 05 07 24-0018 LF 4" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	12.48	
33 05 07 24-0019 LF 5" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	13.89	
33 05 07 24-0020 LF 6" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	15.29	
33 05 07 24-0021 LF 8" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	20.15	
33 05 07 24-0022 LF 10" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	27.72	

33 05 09 Piping Specials for Utilities (33 05)

33 05 09 23 Adapters for Utility Piping (33 05 09)
See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

33 05 09 33 Thrust Restraint for Utility Piping (33 05 09)
See CSI section 33 14 13 13-0545 for mechanical restraints, 33 14 13 13-0580 for flanged restraints, 33 14 13 13-1152 for slip-on restraints, 33 14 13 13-1168 for slip-on restraint harnesses.

33 05 16 Cast-Iron Utility Pipe (33 05)
See CSI section 22 13 16 00-0019 for cast iron utility piping.

33 05 17 Copper Utility Pipe and Tubing (33 05)
See CSI section 33 14 13 39-0000 for copper utility piping.



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

33 05 19		Ductile-Iron Utility Pipe <small>(33 05)</small> See CSI section 33 14 13 13-0000 for ductile iron utility piping.		
33 05 24		Steel Utility Pipe <small>(33 05)</small>		
33 05 24 23		Steel Pipe for Water Service <small>(33 05 24)</small> See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.		
33 05 27		Corrugated Metal Utility Pipe <small>(33 05)</small>		
33 05 27 13		Corrugated Metal Culvert Pipe <small>(33 05 27)</small> See CSI section 33 42 11 00-0455 for corrugated metal culvert pipe.		
33 05 27 23		Corrugated Metal Slotted Pipe <small>(33 05 27)</small> See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.		
33 05 27 33		Corrugated Metal Culvert Arch Pipe <small>(33 05 27)</small> See CSI section 33 42 11 00-0799 for corrugated metal culvert arch pipe.		
33 05 31		Thermoplastic Utility Pipe <small>(33 05)</small>		
33 05 31 11		Polyvinyl Chloride Gravity Sewer Pipe <small>(33 05 31)</small> See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.		
33 05 31 13		Polyvinyl Chloride Pressure Pipe <small>(33 05 31)</small> See CSI section 33 14 13 23-0256 for polyvinyl chloride pressure pipe.		
33 05 31 16		Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) <small>(33 05 31)</small> See CSI section 33 14 13 23-0001 for AWWA C900 and 905 polyvinyl chloride pressure pipe.		
33 05 33		Polyethylene Utility Pipe <small>(33 05)</small>		
33 05 33 13		Corrugated-Wall, Smooth Interior HDPE Gravity Pipe <small>(33 05 33)</small> See CSI section 33 42 11 00-0227 for corrugated-wall smooth interior HDPE gravity pipe.		
33 05 33 23		Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) <small>(33 05 33)</small> See CSI section 33 14 13 23-0426 for AWWA C906 high density polyethylene pipe.		
33 05 33 33		Corrugated, Perforated HDPE Drainage Pipe <small>(33 05 33)</small> See CSI section 33 42 11 00-0249 for corrugated perforated HDPE drainage pipe.		
33 05 33 36		Corrugated, Non-Perforated HDPE Drainage Pipe <small>(33 05 33)</small> See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.		
33 05 33 53		HDPE Gas Utility Pipe <small>(33 05 33)</small> See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.		
33 05 33 56		Medium-Density Polyethylene Gas Utility Pipe <small>(33 05 33)</small> See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.		
33 05 33 63		HDPE Communication Duct <small>(33 05 33)</small>		
33 05 33 63-0001		ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine <small>(33 05 33 63)</small> Note: Excludes boring.		
	33 05 33 63-0002	LF 1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine		3.64
		For Up To 250, Add		0.12
		For >250 To 500, Add		0.08
	33 05 33 63-0003	LF 1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine		4.08
		For Up To 250, Add		0.14
		For >250 To 500, Add		0.10
	33 05 33 63-0004	LF 1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine		4.42
		For Up To 250, Add		0.16
		For >250 To 500, Add		0.11
	33 05 33 63-0005	LF 2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine		4.87
		For Up To 250, Add		0.20
		For >250 To 500, Add		0.13
	33 05 33 63-0006	LF 3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine		6.58
		For Up To 250, Add		0.41
		For >250 To 500, Add		0.27
	33 05 33 63-0007	LF 4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine		8.34
		For Up To 250, Add		0.63
		For >250 To 500, Add		0.42
	33 05 33 63-0008	LF 1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine		3.73
		For Up To 250, Add		0.13
		For >250 To 500, Add		0.09
	33 05 33 63-0009	LF 1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine		4.23
		For Up To 250, Add		0.17
		For >250 To 500, Add		0.11

33 Utilities**33 05 Common Work Results for Utilities****33 05 33 Polyethylene Utility Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 33 63-0010 LF 1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.55	
For Up To 250, Add	0.18	
For >250 To 500, Add	0.12	
33 05 33 63-0011 LF 2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	5.19	
For Up To 250, Add	0.24	
For >250 To 500, Add	0.16	
33 05 33 63-0012 LF 3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	7.28	
For Up To 250, Add	0.51	
For >250 To 500, Add	0.34	
33 05 33 63-0013 LF 4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	9.22	
For Up To 250, Add	0.76	
For >250 To 500, Add	0.51	
33 05 39 Concrete Pipe ^(33 05)		
33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301) ^(33 05)		
³⁹⁾ See CSI section 33 42 11 00-0080 for prestressed concrete pressure pipe.		
33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts ^(33 05 39)		
See CSI section 33 42 11 00-0001 for reinforced concrete pipe.		
33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts ^(33 05 39)		
See CSI section 33 42 11 00-0019 for reinforced concrete elliptical pipe.		
33 05 41 Vitrified Clay Utility Pipe ^(33 05)		
See CSI section 33 42 11 00-0353 for vitrified clay piping.		
33 05 61 Concrete Manholes ^(33 05)		
33 05 61 00-0001 Manholes ^(33 05 61)		
33 05 61 00-0002 Precast Concrete Manholes ^(33 05 61 00-0001)		
Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover. See CSI section 33 05 84 00-0002 for top slabs.		
33 05 61 00-0003 3' Diameter, Precast Concrete Manholes ^(33 05 61 00-0002)		
33 05 61 00-0004 EA 4' Deep, 3' Diameter, Precast Concrete Manhole.....	1,633.04	283.79
For Bitumastic Coating, Add	76.62	
For Epoxy Coating, Add	146.41	
33 05 61 00-0005 EA 6' Deep, 3' Diameter, Precast Concrete Manhole.....	2,223.47	407.63
For Bitumastic Coating, Add	114.93	
For Epoxy Coating, Add	219.61	
33 05 61 00-0006 EA 8' Deep, 3' Diameter, Precast Concrete Manhole.....	2,989.33	619.18
For Bitumastic Coating, Add	153.23	
For Epoxy Coating, Add	292.82	
33 05 61 00-0007 VLF Riser For 3' Diameter, Precast Concrete Manhole.....	315.85	72.24
Note: For depths greater than 8'. For Bitumastic Coating, Add	19.15	
For Epoxy Coating, Add	36.60	
33 05 61 00-0008 VLF Drop Collar For 3' Diameter, Precast Concrete Manhole.....	340.99	72.24
33 05 61 00-0009 EA Drop Base For 3' Diameter, Precast Concrete Manhole.....	550.20	72.24
33 05 61 00-0010 EA Extended Base Slab For 3' Diameter, Precast Concrete Manhole.....	437.85	72.24
33 05 61 00-0011 EA Precast Channel For 3' Diameter, Precast Concrete Manhole.....	629.21	72.24
33 05 61 00-0012 4' Diameter, Precast Concrete Manholes ^(33 05 61 00-0002)		
33 05 61 00-0013 EA 4' Deep, 4' Diameter, Precast Concrete Manhole.....	2,341.78	325.08
For Bitumastic Coating, Add	76.62	
For Epoxy Coating, Add	146.41	
33 05 61 00-0014 EA 6' Deep, 4' Diameter, Precast Concrete Manhole.....	3,124.57	443.75
For Bitumastic Coating, Add	114.93	
For Epoxy Coating, Add	219.61	
33 05 61 00-0015 EA 8' Deep, 4' Diameter, Precast Concrete Manhole.....	4,114.59	670.79
For Bitumastic Coating, Add	153.23	
For Epoxy Coating, Add	292.82	
33 05 61 00-0016 VLF Riser For 4' Diameter, Precast Concrete Manhole.....	439.11	85.14
Note: For depths greater than 8'. For Bitumastic Coating, Add	19.15	
For Epoxy Coating, Add	36.60	
33 05 61 00-0017 VLF Drop Collar For 4' Diameter, Precast Concrete Manhole.....	478.93	85.14
33 05 61 00-0018 EA Drop Base For 4' Diameter, Precast Concrete Manhole.....	810.25	85.14
33 05 61 00-0019 EA Extended Base Slab For 4' Diameter, Precast Concrete Manhole.....	632.33	85.14
33 05 61 00-0020 EA Precast Channel For 4' Diameter, Precast Concrete Manhole.....	935.40	85.14
33 05 61 00-0021 5' Diameter, Precast Concrete Manholes ^(33 05 61 00-0002)		
33 05 61 00-0022 EA 4' Deep, 5' Diameter, Precast Concrete Manhole.....	4,429.67	361.19
For Bitumastic Coating, Add	98.72	
For Epoxy Coating, Add	236.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0023 EA 6' Deep, 5' Diameter, Precast Concrete Manhole	5,897.88	495.35
<i>For Bitumastic Coating, Add</i>	148.07	
<i>For Epoxy Coating, Add</i>	354.04	
33 05 61 00-0024 EA 8' Deep, 5' Diameter, Precast Concrete Manhole	7,595.80	743.02
<i>For Bitumastic Coating, Add</i>	197.43	
<i>For Epoxy Coating, Add</i>	472.05	
33 05 61 00-0025 VLF Riser For 5' Diameter, Precast Concrete Manhole.....	787.33	92.88
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	24.68	
<i>For Epoxy Coating, Add</i>	59.01	
33 05 61 00-0026 6' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0027 EA 4' Deep, 6' Diameter, Precast Concrete Manhole	5,954.00	402.47
<i>For Bitumastic Coating, Add</i>	113.02	
<i>For Epoxy Coating, Add</i>	276.32	
33 05 61 00-0028 EA 6' Deep, 6' Diameter, Precast Concrete Manhole	7,751.66	546.95
<i>For Bitumastic Coating, Add</i>	169.52	
<i>For Epoxy Coating, Add</i>	414.49	
33 05 61 00-0029 EA 8' Deep, 6' Diameter, Precast Concrete Manhole	9,806.51	825.59
<i>For Bitumastic Coating, Add</i>	226.03	
<i>For Epoxy Coating, Add</i>	552.65	
33 05 61 00-0030 VLF Riser For 6' Diameter, Precast Concrete Manhole.....	957.55	103.20
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	28.25	
<i>For Epoxy Coating, Add</i>	69.08	
33 05 61 00-0031 7' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0032 EA 4' Deep, 7' Diameter, Precast Concrete Manhole	9,410.49	443.75
<i>For Bitumastic Coating, Add</i>	240.33	
<i>For Epoxy Coating, Add</i>	482.86	
33 05 61 00-0033 EA 6' Deep, 7' Diameter, Precast Concrete Manhole	12,165.21	605.26
<i>For Bitumastic Coating, Add</i>	360.50	
<i>For Epoxy Coating, Add</i>	724.29	
33 05 61 00-0034 EA 8' Deep, 7' Diameter, Precast Concrete Manhole	15,202.67	908.14
<i>For Bitumastic Coating, Add</i>	480.66	
<i>For Epoxy Coating, Add</i>	965.71	
33 05 61 00-0035 VLF Riser For 7' Diameter, Precast Concrete Manhole.....	1,442.89	113.51
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	60.08	
<i>For Epoxy Coating, Add</i>	120.71	
33 05 61 00-0036 8' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0037 EA 4' Deep, 8' Diameter, Precast Concrete Manhole	13,635.35	510.83
<i>For Bitumastic Coating, Add</i>	284.12	
<i>For Epoxy Coating, Add</i>	588.56	
33 05 61 00-0038 EA 6' Deep, 8' Diameter, Precast Concrete Manhole	17,675.88	696.59
<i>For Bitumastic Coating, Add</i>	426.19	
<i>For Epoxy Coating, Add</i>	882.84	
33 05 61 00-0039 EA 8' Deep, 8' Diameter, Precast Concrete Manhole	22,041.47	1,044.88
<i>For Bitumastic Coating, Add</i>	568.25	
<i>For Epoxy Coating, Add</i>	1,177.12	
33 05 61 00-0040 VLF Riser For 8' Diameter, Precast Concrete Manhole.....	2,092.51	129.00
Note: For depths greater than 8'.		
<i>For Bitumastic Coating, Add</i>	71.03	
<i>For Epoxy Coating, Add</i>	147.14	
33 05 63 Concrete Vaults and Chambers (33 05)		
33 05 63 00-0001 Underground Utility Vaults And Structures (33 05 63)		
See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.		
33 05 63 00-0002 Precast Concrete Underground Utility Vault (33 05 63 00-0001)		
Note: Sizes given are for inside dimensions.		
33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0004 EA 4' x 4' x 6' Precast Concrete Underground Utility Vault.....	3,184.31	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0005 EA 4' x 6' x 6' Precast Concrete Underground Utility Vault.....	4,150.79	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0006 EA 5' x 10' x 6' Precast Concrete Underground Utility Vault.....	6,847.86	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0007 EA 5' x 12' x 6' Precast Concrete Underground Utility Vault.....	7,906.95	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0008 EA 6' x 6' x 6' Precast Concrete Underground Utility Vault.....	5,304.52	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0009 EA 6' x 8' x 6' Precast Concrete Underground Utility Vault.....	6,457.20	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0010 EA 6' x 10' x 6' Precast Concrete Underground Utility Vault.....	7,610.94	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0011 EA 6' x 12' x 6' Precast Concrete Underground Utility Vault.....	10,996.36	
Note: 8" thick walls and top.		

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0012 EA 6' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,996.36	
33 05 63 00-0013 EA 6' x 16' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,846.14	
33 05 63 00-0014 EA 8' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,798.21	
33 05 63 00-0015 EA 8' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,138.18	
33 05 63 00-0016 EA 8' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,062.27	
33 05 63 00-0017 EA 8' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,701.53	
33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>		
33 05 63 00-0019 EA 4' x 4' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,561.78	
33 05 63 00-0020 EA 4' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,923.38	
33 05 63 00-0021 EA 4' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,598.17	
33 05 63 00-0022 EA 5' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,449.04	
33 05 63 00-0023 EA 5' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,588.95	
33 05 63 00-0024 EA 6' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,528.56	
33 05 63 00-0025 EA 6' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,019.01	
33 05 63 00-0026 EA 6' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,738.97	
33 05 63 00-0027 EA 6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,958.20	
33 05 63 00-0028 EA 6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,021.84	
33 05 63 00-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,439.78	
33 05 63 00-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,859.58	
33 05 63 00-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,131.64	
33 05 63 00-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,876.20	
33 05 63 00-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,344.72	
33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>		
33 05 63 00-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,825.90	
33 05 63 00-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,953.03	
33 05 63 00-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,050.20	
33 05 63 00-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,269.91	
33 05 63 00-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,266.38	
33 05 63 00-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,579.74	
33 05 63 00-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,893.13	
33 05 63 00-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,920.03	
33 05 63 00-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,197.61	
33 05 63 00-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,080.35	
33 05 63 00-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,580.95	
33 05 63 00-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,199.90	
33 05 63 00-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,051.96	
33 05 63 00-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,413.77	
33 05 63 00-0049 10' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>		
33 05 63 00-0050 EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,747.33	
33 05 63 00-0051 EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,140.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0052 EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,481.98	
33 05 63 00-0053 12' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0054 EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,228.26	
33 05 63 00-0055 EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,702.27	
33 05 63 00-0056 Meter Pit (33 05 63 00-0001)		
33 05 63 00-0057 Precast Concrete Meter Pit (33 05 63 00-0056)		
33 05 63 00-0058 EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	3,130.99	
33 05 63 00-0059 EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	4,239.56	
33 05 63 00-0060 EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	5,314.27	
33 05 63 00-0061 EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	6,579.35	
33 05 63 00-0062 EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	9,076.45	
33 05 63 00-0063 EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	4,742.26	
33 05 63 00-0064 EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	6,579.35	
33 05 63 00-0065 EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	8,468.78	
33 05 63 00-0066 EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	10,565.42	
33 05 63 00-0067 EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	14,990.17	
33 05 63 00-0068 Handhole Or Pull Box Enclosures (33 05 63 00-0001)		
33 05 63 00-0069 Polymer Concrete Handhole Enclosures (33 05 63 00-0068)		
33 05 63 00-0070 Polymer Concrete Handhole Enclosures (33 05 63 00-0069)		
33 05 63 00-0071 Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)		
33 05 63 00-0072 Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)		
33 05 63 00-0073 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	403.64	23.25
33 05 63 00-0074 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	332.06	51.64
33 05 63 00-0075 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	507.71	77.46
33 05 63 00-0076 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	596.70	77.46
33 05 63 00-0077 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	567.30	77.46
33 05 63 00-0078 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	695.65	77.46
33 05 63 00-0079 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	676.27	77.46
33 05 63 00-0080 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	936.17	77.46
33 05 63 00-0081 EA 27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,333.19	103.28
33 05 63 00-0082 EA 27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,892.51	103.28
33 05 63 00-0083 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,185.22	142.01
33 05 63 00-0084 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,360.38	142.01
33 05 63 00-0085 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,271.57	142.01
33 05 63 00-0086 EA 39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,263.97	154.92
33 05 63 00-0087 EA 39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,837.72	154.92
33 05 63 00-0088 EA 39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,306.90	154.92
33 05 63 00-0089 EA 39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	3,416.62	154.92
33 05 63 00-0090 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,829.21	244.77
33 05 63 00-0091 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,692.73	244.77
33 05 63 00-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)		
33 05 63 00-0093 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	519.90	23.25
33 05 63 00-0094 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	646.17	77.46
33 05 63 00-0095 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	789.42	77.46

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0096 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	725.30	77.46
33 05 63 00-0097 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	835.00	77.46
33 05 63 00-0098 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	863.77	77.46
33 05 63 00-0099 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,125.28	77.46
33 05 63 00-0100 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,479.67	142.01
33 05 63 00-0101 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,654.83	142.01
33 05 63 00-0102 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,566.04	142.01
33 05 63 00-0103 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,173.29	244.77
33 05 63 00-0104 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	3,043.38	244.77
33 05 63 00-0105 Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0070)</small>		
33 05 63 00-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0107 EA 5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	669.51	23.25
33 05 63 00-0108 EA 10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	564.28	23.25
33 05 63 00-0109 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	430.05	77.46
33 05 63 00-0110 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	492.14	77.46
33 05 63 00-0111 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	148.63	23.25
33 05 63 00-0112 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	236.62	23.25
33 05 63 00-0113 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	389.35	23.25
33 05 63 00-0114 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	407.83	23.25
33 05 63 00-0115 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	325.61	51.64
33 05 63 00-0116 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	353.96	51.64
33 05 63 00-0117 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	232.84	23.25
33 05 63 00-0118 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	267.47	23.25
33 05 63 00-0119 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	351.02	51.64
33 05 63 00-0120 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	398.68	51.64
33 05 63 00-0121 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	367.83	51.64
33 05 63 00-0122 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	432.94	77.46
33 05 63 00-0123 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	479.69	77.46
33 05 63 00-0124 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	514.46	77.46
33 05 63 00-0125 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	566.82	77.46
33 05 63 00-0126 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	671.24	77.46
33 05 63 00-0127 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	734.59	77.46
33 05 63 00-0128 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	803.90	77.46
33 05 63 00-0129 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	847.48	77.46
33 05 63 00-0130 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,004.64	103.28
33 05 63 00-0131 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	995.48	142.01
33 05 63 00-0132 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,299.04	142.01
33 05 63 00-0133 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,579.34	142.01
33 05 63 00-0134 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,756.36	142.01
33 05 63 00-0135 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,932.43	142.01
33 05 63 00-0136 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,166.10	244.77
33 05 63 00-0137 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,545.55	244.77
33 05 63 00-0138 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,770.37	244.77
33 05 63 00-0139 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,200.28	244.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0140 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,195.86	244.77
33 05 63 00-0141 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,356.34	244.77
33 05 63 00-0142 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,664.97	244.77
33 05 63 00-0143 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,433.68	262.25
33 05 63 00-0144 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,651.58	262.25
33 05 63 00-0145 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,929.77	262.25
33 05 63 00-0146 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,041.08	262.25
33 05 63 00-0147 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,079.77	262.25
33 05 63 00-0148 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,503.65	262.25
33 05 63 00-0149 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,680.46	262.25
33 05 63 00-0150 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,573.61	262.25
33 05 63 00-0151 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,029.69	279.73
33 05 63 00-0152 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	5,001.47	279.73
33 05 63 00-0153 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	6,449.71	279.73
33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0155 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	591.25	77.46
33 05 63 00-0156 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	683.36	77.46
33 05 63 00-0157 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	259.03	23.25
33 05 63 00-0158 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	379.29	23.25
33 05 63 00-0159 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	512.23	23.25
33 05 63 00-0160 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	530.74	23.25
33 05 63 00-0161 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	446.66	51.64
33 05 63 00-0162 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	466.39	51.64
33 05 63 00-0163 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	492.77	51.64
33 05 63 00-0164 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	353.22	23.25
33 05 63 00-0165 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	419.42	23.25
33 05 63 00-0166 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	492.13	51.64
33 05 63 00-0167 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	539.79	51.64
33 05 63 00-0168 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	510.44	51.64
33 05 63 00-0169 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	590.36	77.46
33 05 63 00-0170 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	637.70	77.46
33 05 63 00-0171 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	702.32	77.46
33 05 63 00-0172 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	754.35	77.46
33 05 63 00-0173 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	858.46	77.46
33 05 63 00-0174 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	922.08	77.46
33 05 63 00-0175 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	991.09	77.46
33 05 63 00-0176 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,034.98	77.46
33 05 63 00-0177 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,263.65	103.28
33 05 63 00-0178 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,289.95	142.01
33 05 63 00-0179 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,593.15	142.01
33 05 63 00-0180 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,873.15	142.01

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0181 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,049.89	142.01
33 05 63 00-0182 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,226.54	142.01
33 05 63 00-0183 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,886.38	244.77
33 05 63 00-0184 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,111.54	244.77
33 05 63 00-0185 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,541.12	244.77
33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures ^(33 05 63 00-0105)		
33 05 63 00-0187 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	539.78	77.46
33 05 63 00-0188 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	634.45	77.46
33 05 63 00-0189 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	188.65	23.25
33 05 63 00-0190 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	317.50	23.25
33 05 63 00-0191 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	460.81	23.25
33 05 63 00-0192 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	479.65	23.25
33 05 63 00-0193 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	412.80	51.64
33 05 63 00-0194 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	467.67	51.64
33 05 63 00-0195 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	276.48	23.25
33 05 63 00-0196 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	439.76	51.64
33 05 63 00-0197 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	508.11	51.64
33 05 63 00-0198 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	457.52	51.64
33 05 63 00-0199 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	583.11	77.46
33 05 63 00-0200 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	676.55	77.46
33 05 63 00-0201 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	707.63	77.46
33 05 63 00-0202 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	781.61	77.46
33 05 63 00-0203 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	849.68	77.46
33 05 63 00-0204 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	913.94	77.46
33 05 63 00-0205 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,029.00	77.46
33 05 63 00-0206 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,045.04	77.46
33 05 63 00-0207 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,283.72	103.28
33 05 63 00-0208 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,315.96	142.01
33 05 63 00-0209 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,650.82	142.01
33 05 63 00-0210 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,981.99	142.01
33 05 63 00-0211 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,201.94	142.01
33 05 63 00-0212 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,421.90	142.01
33 05 63 00-0213 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,575.91	244.77
33 05 63 00-0214 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,955.39	244.77
33 05 63 00-0215 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,197.75	244.77
33 05 63 00-0216 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,627.36	244.77
33 05 63 00-0217 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,816.86	244.77
33 05 63 00-0218 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,876.20	244.77
33 05 63 00-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,451.86	244.77
33 05 63 00-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,187.00	262.25
33 05 63 00-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,299.59	262.25
33 05 63 00-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,618.97	262.25
33 05 63 00-0223 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,860.69	262.25
33 05 63 00-0224 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,537.59	262.25



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 05 63 00-0225	EA		36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,402.08	262.25
	33 05 63 00-0226	EA		48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,806.74	262.25
	33 05 63 00-0227	EA		48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,194.63	262.25
	33 05 63 00-0228	EA		48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	5,096.63	279.73
	33 05 63 00-0229	EA		48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	6,068.80	279.73
	33 05 63 00-0230	EA		48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	8,226.20	279.73
33 05 63 00-0231	Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>					
	33 05 63 00-0232	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	700.96	77.46
	33 05 63 00-0233	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	826.03	77.46
	33 05 63 00-0234	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	298.16	23.25
	33 05 63 00-0235	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	459.89	23.25
	33 05 63 00-0236	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	583.43	23.25
	33 05 63 00-0237	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	602.53	23.25
	33 05 63 00-0238	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	553.91	51.64
	33 05 63 00-0239	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	608.44	51.64
	33 05 63 00-0240	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	432.96	23.25
	33 05 63 00-0241	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	580.23	51.64
	33 05 63 00-0242	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	648.58	51.64
	33 05 63 00-0243	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	559.86	51.64
	33 05 63 00-0244	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	741.17	77.46
	33 05 63 00-0245	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	834.62	77.46
	33 05 63 00-0246	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	895.12	77.46
	33 05 63 00-0247	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	969.14	77.46
	33 05 63 00-0248	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,037.18	77.46
	33 05 63 00-0249	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,101.46	77.46
	33 05 63 00-0250	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,216.56	77.46
	33 05 63 00-0251	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,232.54	77.46
	33 05 63 00-0252	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,542.40	103.28
	33 05 63 00-0253	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,610.41	142.01
	33 05 63 00-0254	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,944.96	142.01
	33 05 63 00-0255	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,275.76	142.01
	33 05 63 00-0256	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,495.89	142.01
	33 05 63 00-0257	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,716.02	142.01
	33 05 63 00-0258	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,296.53	244.77
	33 05 63 00-0259	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,539.23	244.77
	33 05 63 00-0260	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,968.53	244.77
33 05 63 00-0261	Footed, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>					
	33 05 63 00-0262	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	579.08	77.46
	33 05 63 00-0263	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	391.46	51.64
	33 05 63 00-0264	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	444.15	51.64
	33 05 63 00-0265	EA		13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	510.68	77.46
	33 05 63 00-0266	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	408.72	51.64
	33 05 63 00-0267	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	459.19	51.64

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0268 Polymer Concrete Handhole Enclosure Extensions <small>(33 05 63 00-0069)</small>		
33 05 63 00-0269 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	412.57	77.46
33 05 63 00-0270 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	467.49	77.46
33 05 63 00-0271 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	529.32	103.28
33 05 63 00-0272 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	583.24	103.28
33 05 63 00-0273 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	681.05	142.01
33 05 63 00-0274 EA 36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,225.70	244.77
33 05 63 00-0275 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,166.75	244.77
33 05 63 00-0276 EA 30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,179.61	244.77
33 05 63 00-0277 EA 36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,619.21	262.25
33 05 63 00-0278 EA 48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	2,626.30	279.73
33 05 63 00-0279 EA 48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	3,482.62	279.73
33 05 63 00-0280 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	700.73	77.46
33 05 63 00-0281 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	734.28	77.46
33 05 63 00-0282 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	775.12	103.28
33 05 63 00-0283 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	829.63	103.28
33 05 63 00-0284 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	950.64	142.01
33 05 63 00-0285 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	1,547.74	244.77
33 05 63 00-0286 EA 13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	536.72	77.46
33 05 63 00-0287 EA 17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	602.90	77.46
33 05 63 00-0288 EA 24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	775.99	142.01
33 05 63 00-0289 EA 36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	1,556.09	262.25
33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0069)</small>		
33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0290)</small>		
33 05 63 00-0292 EA 5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	155.74	10.34
33 05 63 00-0293 EA 10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	157.86	10.34
33 05 63 00-0294 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	145.77	10.34
33 05 63 00-0295 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	158.27	10.34
33 05 63 00-0296 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	159.89	10.33
33 05 63 00-0297 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	184.51	10.33
33 05 63 00-0298 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	214.97	10.33
33 05 63 00-0299 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,438.83	31.47
33 05 63 00-0300 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,257.20	31.47
33 05 63 00-0301 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,889.84	31.47
33 05 63 00-0302 EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,911.40	31.47
33 05 63 00-0303 EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	2,167.38	31.47
33 05 63 00-0304 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	2,362.91	31.47
33 05 63 00-0305 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	3,806.52	31.47
33 05 63 00-0306 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	132.34	10.33
33 05 63 00-0307 EA 11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	192.79	10.33
33 05 63 00-0308 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	195.60	10.33
33 05 63 00-0309 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	247.99	10.33
33 05 63 00-0310 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	185.29	10.33
33 05 63 00-0311 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	294.71	10.33
33 05 63 00-0312 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	229.81	10.33
33 05 63 00-0313 EA 27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	479.35	10.33
33 05 63 00-0314 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	415.43	15.49
33 05 63 00-0315 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	523.44	15.49
33 05 63 00-0316 EA 39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	676.00	18.07
33 05 63 00-0317 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	952.31	24.48
33 05 63 00-0318 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	988.24	46.62
33 05 63 00-0319 EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	251.13	10.33
33 05 63 00-0320 EA 13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	361.19	10.33
33 05 63 00-0321 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	412.00	10.33
33 05 63 00-0322 EA 27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	689.94	10.33
33 05 63 00-0323 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	563.91	15.49
33 05 63 00-0324 EA 39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	958.80	18.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0325 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,258.65	24.48
33 05 63 00-0326 EA 30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,699.23	31.47
33 05 63 00-0327 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,508.92	31.47
33 05 63 00-0328 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,114.08	31.47
33 05 63 00-0329 EA 48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,757.67	31.47
33 05 63 00-0330 EA 36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,640.27	31.47
33 05 63 00-0331 EA 48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	4,016.11	31.47
33 05 63 00-0332 EA 48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	6,212.09	31.47
33 05 63 00-0333 EA 11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	332.68	10.33
33 05 63 00-0334 EA 11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	364.47	10.33
33 05 63 00-0335 EA 13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	482.24	10.33
33 05 63 00-0336 EA 17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	550.58	10.33
33 05 63 00-0337 EA 27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	957.01	10.33
33 05 63 00-0338 EA 24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	689.76	15.49
33 05 63 00-0339 EA 24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	947.07	15.49
33 05 63 00-0340 EA 39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,472.62	18.07
33 05 63 00-0341 EA 36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,685.09	24.48
33 05 63 00-0342 EA 30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,751.76	46.62
33 05 63 00-0343 EA 30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,026.86	31.47
33 05 63 00-0344 EA 36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,835.96	31.47
33 05 63 00-0345 EA 48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	3,974.00	31.47
33 05 63 00-0346 EA 36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	3,544.51	31.47
33 05 63 00-0347 EA 48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	5,884.49	31.47
33 05 63 00-0348 EA 48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	9,091.46	31.47
33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets <small>(33 05 63 00-0290)</small>		
33 05 63 00-0350 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	179.95	10.34
33 05 63 00-0351 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	190.60	10.34
33 05 63 00-0352 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	194.07	10.33
33 05 63 00-0353 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	195.38	10.33
33 05 63 00-0354 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	226.59	10.33
33 05 63 00-0355 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	142.15	10.33
33 05 63 00-0356 EA 11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	202.85	10.33
33 05 63 00-0357 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	204.80	10.33
33 05 63 00-0358 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	258.36	10.33
33 05 63 00-0359 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket.....	196.57	10.33
33 05 63 00-0360 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket.....	241.74	10.33
33 05 63 00-0361 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	305.69	10.33
33 05 63 00-0362 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	422.80	15.49
33 05 63 00-0363 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	534.75	15.49
33 05 63 00-0364 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	999.86	46.62
33 05 63 00-0365 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	117.19	10.34
33 05 63 00-0366 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	187.26	10.34
33 05 63 00-0367 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	209.11	10.34
33 05 63 00-0368 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	199.41	10.34
33 05 63 00-0369 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	163.03	10.33
33 05 63 00-0370 EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	261.17	10.33
33 05 63 00-0371 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	283.84	10.33
33 05 63 00-0372 EA 13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	371.87	10.33
33 05 63 00-0373 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	423.59	10.33
33 05 63 00-0374 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	574.27	15.49
33 05 63 00-0375 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	719.72	15.49
33 05 63 00-0376 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	1,321.24	46.62
33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts <small>(33 05 63 00-0290)</small>		
33 05 63 00-0378 EA 6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	93.10	10.34
33 05 63 00-0379 EA 7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	111.94	10.34
33 05 63 00-0380 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	137.32	10.34
33 05 63 00-0381 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	148.60	10.34
33 05 63 00-0382 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	148.30	10.33
33 05 63 00-0383 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	177.20	10.33
33 05 63 00-0384 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	205.61	10.33
33 05 63 00-0385 EA 24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	504.93	15.49
33 05 63 00-0386 EA 30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	945.94	46.62
33 05 63 00-0387 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,422.96	31.47
33 05 63 00-0388 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,239.27	31.47
33 05 63 00-0389 EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,860.35	31.47
33 05 63 00-0390 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,794.67	31.47
33 05 63 00-0391 EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	2,150.26	31.47
33 05 63 00-0392 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	2,299.65	31.47
33 05 63 00-0393 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	3,684.95	31.47
33 05 63 00-0394 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	126.98	10.33
33 05 63 00-0395 EA 10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	123.84	10.33
33 05 63 00-0396 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	186.01	10.33
33 05 63 00-0397 EA 11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	205.05	10.33
33 05 63 00-0398 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	232.95	10.33

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0399 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	175.56	10.33
33 05 63 00-0400 EA 18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	196.57	10.33
33 05 63 00-0401 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	281.54	10.33
33 05 63 00-0402 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	406.90	15.49
33 05 63 00-0403 EA 20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	510.79	15.49
33 05 63 00-0404 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	504.62	15.49
33 05 63 00-0405 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	913.73	24.48
33 05 63 00-0406 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	945.94	27.98
33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0290)</small>		
33 05 63 00-0408 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,482.13	31.47
33 05 63 00-0409 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	2,152.46	31.47
33 05 63 00-0410 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,242.83	46.62
33 05 63 00-0411 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,652.04	46.62
33 05 63 00-0412 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,763.60	31.47
33 05 63 00-0413 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,408.74	31.47
33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0290)</small>		
33 05 63 00-0415 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	574.47	15.49
33 05 63 00-0416 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	1,073.05	24.48
33 05 63 00-0417 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	1,120.90	46.62
33 05 63 00-0418 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	87.84	10.34
33 05 63 00-0419 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	149.60	10.34
33 05 63 00-0420 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	165.22	10.34
33 05 63 00-0421 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	175.56	10.34
33 05 63 00-0422 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	153.30	10.33
33 05 63 00-0423 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	274.65	10.33
33 05 63 00-0424 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	772.86	15.49
33 05 63 00-0425 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	1,430.84	24.48
33 05 63 00-0426 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	1,498.42	46.62
33 05 63 00-0427 Precast Concrete Handholes With Steel Cover <small>(33 05 63 00-0068)</small>		
Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.)		
33 05 63 00-0428 EA 12" x 12" x 12" Precast Concrete Handholes With Steel Cover	851.08	247.20
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	18.00	
33 05 63 00-0429 EA 12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,421.93	370.80
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	108.50	
33 05 63 00-0430 EA 18" x 30" x 18" Precast Concrete Handholes With Steel Cover	1,732.35	494.41
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	190.35	
33 05 63 00-0431 EA 24" x 24" x 24" Precast Concrete Handholes With Steel Cover	1,795.81	494.41
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	240.67	
33 05 63 00-0432 EA 24" x 24" x 30" Precast Concrete Handholes With Steel Cover	2,118.30	618.00
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	289.91	
33 05 63 00-0433 EA 30" x 36" x 30" Precast Concrete Handholes With Steel Cover	2,223.95	618.00
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	318.36	
33 05 63 00-0434 EA 36" x 36" x 48" Precast Concrete Handholes With Steel Cover	2,574.85	741.61
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	372.06	
33 05 63 00-0435 EA 48" x 48" x 48" Precast Concrete Handholes With Steel Cover	2,959.06	865.20
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	519.11	
33 05 63 00-0436 EA 48" x 72" x 36" Precast Concrete Handholes With Steel Cover	2,887.78	741.61
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	561.38	
33 05 63 00-0437 EA 54" x 38" x 24" Precast Concrete Handholes With Steel Cover	2,914.70	741.61
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	391.18	
33 05 63 00-0438 EA 6" Diameter Precast Concrete Handholes With Steel Cover.....	678.80	247.20
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0439 EA 9" Diameter Precast Concrete Handholes With Steel Cover.....	797.30	278.10
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0440 EA 12" Diameter Precast Concrete Handholes With Steel Cover.....	972.45	309.00
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	

33 05 81 Metallic Castings for Utility Structures (33 05)**33 05 81 00-0001 Manhole Accessories** (33 05 81)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 81 00-0002 Steps For Cast-In-Place Manholes <small>(33 05 81 00-0001)</small> See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.		
33 05 81 00-0003 EA Cast Iron Manhole Step For New Manholes	108.63	
33 05 81 00-0004 EA Galvanized Steel Manhole Step For New Manholes	66.16	
33 05 81 00-0005 EA Aluminum Manhole Step For New Manholes	93.39	
33 05 81 00-0006 Manhole Covers And Frames <small>(33 05 81)</small> Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 05 81 00-0007 Regular Manhole Covers And Frames <small>(33 05 81 00-0006)</small>		
33 05 81 00-0008 EA 18" Square, Gray Iron, Manhole Cover With Frame	1,836.44	88.75
<i>For Ductile Iron Castings, Add</i>	1,097.69	
33 05 81 00-0009 EA 18" Diameter, Gray Iron, Manhole Cover With Frame	1,029.48	88.75
<i>For Ductile Iron Castings, Add</i>	532.82	
33 05 81 00-0010 EA 24" Diameter, Gray Iron, Manhole Cover With Frame	1,189.66	103.20
<i>For Ductile Iron Castings, Add</i>	616.04	
33 05 81 00-0011 EA 24" Square, Gray Iron, Manhole Cover With Frame	1,873.12	114.55
<i>For Ductile Iron Castings, Add</i>	1,070.38	
33 05 81 00-0012 EA 26" Diameter, Gray Iron, Manhole Cover With Frame	1,586.07	123.84
<i>For Ductile Iron Castings, Add</i>	849.16	
33 05 81 00-0013 EA 30" Diameter, Gray Iron, Manhole Cover With Frame	1,654.74	129.00
<i>For Ductile Iron Castings, Add</i>	887.44	
33 05 81 00-0014 Watertight Type Manhole Covers And Frames <small>(33 05 81 00-0006)</small>		
33 05 81 00-0015 EA 20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	2,023.26	73.27
<i>For Ductile Iron Castings, Add</i>	1,212.13	
33 05 81 00-0016 EA 22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	2,052.95	73.27
<i>For Ductile Iron Castings, Add</i>	1,216.10	
33 05 81 00-0017 EA 24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	2,092.74	85.65
<i>For Ductile Iron Castings, Add</i>	1,224.12	
33 05 81 00-0018 EA 26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	2,493.62	95.97
<i>For Ductile Iron Castings, Add</i>	1,484.44	
33 05 81 00-0019 EA 30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	2,890.41	98.04
<i>For Ductile Iron Castings, Add</i>	1,752.41	
33 05 81 00-0020 EA 32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,042.82	100.11
<i>For Ductile Iron Castings, Add</i>	1,855.55	
33 05 81 00-0021 EA 36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,179.37	103.20
<i>For Ductile Iron Castings, Add</i>	1,947.44	
33 05 81 00-0022 Aluminum Manhole Covers And Frames <small>(33 05 81 00-0006)</small>		
33 05 81 00-0023 EA 12" Square Aluminum Manhole Cover With Frame	1,153.89	30.37
33 05 81 00-0024 EA 18" Square Aluminum Manhole Cover With Frame	2,120.74	33.62
33 05 81 00-0025 EA 24" Square Aluminum Manhole Cover With Frame	3,046.56	39.04
33 05 81 00-0026 Removal And Reinstallation Of Manhole Cover And Frame <small>(33 05 81 00-0006)</small> Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 05 81 00-0027 EA Removal And Reinstallation Of Manhole Cover And Frame	413.75	
33 05 83 Non-Metallic Accessories for Utility Structures <small>(33 05)</small>		
33 05 83 00-0001 Manhole Accessories <small>(33 05 83)</small>		
33 05 83 00-0002 Steps For Cast-In-Place Manholes <small>(33 05 83 00-0001)</small> See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.		
33 05 83 00-0003 EA Polypropylene Manhole Step For New Manholes	50.61	
33 05 83 00-0004 Rainguard Inflow Protectors <small>(33 05 83)</small>		
33 05 83 00-0005 EA 18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	134.29	22.03
33 05 83 00-0006 EA 22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	156.91	22.03
33 05 83 00-0007 EA 24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	187.55	26.45
33 05 83 00-0008 EA 26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	201.85	26.45
33 05 83 00-0009 EA 30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	251.33	30.85
33 05 83 00-0010 EA 32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	268.89	30.85
33 05 84 Accessories for Utility Structures <small>(33 05)</small> See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors.		
33 05 84 00-0001 Manhole Accessories <small>(33 05 84)</small>		
33 05 84 00-0002 Precast Concrete Manhole Tops <small>(33 05 84 00-0001)</small>		
33 05 84 00-0003 Precast Concrete Manhole Slab Tops <small>(33 05 84 00-0002)</small>		
33 05 84 00-0004 EA 3' Diameter x 8" Thick Precast Manhole Top Slab	585.38	77.40
33 05 84 00-0005 EA 4' Diameter x 8" Thick Precast Manhole Top Slab	825.48	83.59
33 05 84 00-0006 EA 5' Diameter x 8" Thick Precast Manhole Top Slab	1,123.63	89.78

33 Utilities**33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0007 EA 6' Diameter x 8" Thick Precast Manhole Top Slab.....	1,348.57	95.97
33 05 84 00-0008 Precast Concrete Manhole Cone Tops (33 05 84 00-0002)		
33 05 84 00-0009 EA 3' Diameter x 8" Thick Precast Manhole Top Cone.....	938.58	96.75
33 05 84 00-0010 EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone.....	1,045.97	100.62
33 05 84 00-0011 EA 4' Diameter x 8" Thick Precast Manhole Top Cone.....	1,153.40	104.49
33 05 84 00-0012 EA 5' Diameter x 8" Thick Precast Manhole Top Cone.....	1,363.04	110.94
33 05 84 00-0013 EA 6' Diameter x 8" Thick Precast Manhole Top Cone.....	1,577.87	118.68
33 05 84 00-0014 Precast Concrete Manhole Reducer Slabs (33 05 84 00-0002)		
33 05 84 00-0015 EA 5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,242.73	89.78
33 05 84 00-0016 EA 6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,605.80	95.97
33 05 84 00-0017 EA 7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	2,128.73	95.97
33 05 84 00-0018 EA 8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	3,385.17	95.97
33 05 84 00-0019 EA 10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	4,362.64	95.97
33 05 84 00-0020 EA 12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	6,331.00	95.97
33 05 84 00-0021 Pipe To Manhole Connector (33 05 84 00-0001)		
33 05 84 00-0022 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors (33 05 84 00-0021)		
33 05 84 00-0023 EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	110.06	
33 05 84 00-0024 EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	162.65	
33 05 84 00-0025 EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	183.34	
33 05 84 00-0026 EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	278.23	
33 05 84 00-0027 EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	389.20	
33 05 84 00-0028 EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	514.79	
33 05 84 00-0029 EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	929.33	
33 05 84 00-0030 EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,291.12	
33 05 84 00-0031 EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	2,039.02	
33 05 84 00-0032 EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	2,400.15	
33 05 84 00-0033 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout (33 05 84 00-0021)		
Note: Fernco CMA.		
33 05 84 00-0034 EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	108.99	
33 05 84 00-0035 EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	151.60	
33 05 84 00-0036 EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	191.62	
33 05 84 00-0037 EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	231.44	
33 05 84 00-0038 EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	268.45	
33 05 84 00-0039 Brick And Grout Pipe To Manhole Connector (33 05 84 00-0021)		
33 05 84 00-0040 EA Seal Gap Between Pipe And Structure With Brick And Grout.....	280.88	
33 05 84 00-0041 Inverts For Manholes (33 05 84 00-0001)		
33 05 84 00-0042 EA Single Channel Concrete Invert For Manholes.....	464.90	
33 05 84 00-0043 EA Double Channel Concrete Invert For Manholes.....	666.13	
33 05 84 00-0044 EA Triple Channel Concrete Invert For Manholes.....	898.68	
33 05 84 00-0045 EA Quad Channel Concrete Invert For Manholes.....	1,131.16	
33 05 84 00-0046 EA Single Channel Brick Invert For Manholes.....	670.13	
33 05 84 00-0047 EA Double Channel Brick Invert For Manholes.....	1,003.01	
33 05 84 00-0048 EA Triple Channel Brick Invert For Manholes.....	1,341.54	
33 05 84 00-0049 EA Quad Channel Brick Invert For Manholes.....	1,676.53	
33 05 84 00-0050 Protective Coating For New Manholes (33 05 84 00-0001)		
33 05 84 00-0051 Polyurethane Protective Coating For New Manholes (33 05 84 00-0050)		
33 05 84 00-0052 VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior.....	214.51	
For 80 Mil Material, Add	31.35	
For 100 Mil Material, Add	62.71	
For 125 Mil Material, Add	98.98	
For 150 Mil Material, Add	135.26	
For 200 Mil Material, Add	200.04	
For 2 To 5 Manholes, Deduct	-14.61	
For 6 To 10 Manholes, Deduct	-23.86	
For >10 Manholes, Deduct	-47.72	
33 05 84 00-0053 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior.....	258.96	
For 80 Mil Material, Add	37.25	
For 100 Mil Material, Add	74.50	
For 125 Mil Material, Add	117.50	
For 150 Mil Material, Add	160.50	
For 200 Mil Material, Add	237.00	
For 2 To 5 Manholes, Deduct	-17.70	
For 6 To 10 Manholes, Deduct	-28.92	
For >10 Manholes, Deduct	-57.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0054 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	286.01	
<i>For 80 Mil Material, Add</i>	41.80	
<i>For 100 Mil Material, Add</i>	83.61	
<i>For 125 Mil Material, Add</i>	131.98	
<i>For 150 Mil Material, Add</i>	180.35	
<i>For 200 Mil Material, Add</i>	266.73	
<i>For 2 To 5 Manholes, Deduct</i>	-19.48	
<i>For 6 To 10 Manholes, Deduct</i>	-31.81	
<i>For >10 Manholes, Deduct</i>	-63.62	
33 05 84 00-0055 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	357.58	
<i>For 80 Mil Material, Add</i>	52.28	
<i>For 100 Mil Material, Add</i>	104.55	
<i>For 125 Mil Material, Add</i>	165.04	
<i>For 150 Mil Material, Add</i>	225.53	
<i>For 200 Mil Material, Add</i>	333.56	
<i>For 2 To 5 Manholes, Deduct</i>	-24.35	
<i>For 6 To 10 Manholes, Deduct</i>	-39.77	
<i>For >10 Manholes, Deduct</i>	-79.54	
33 05 84 00-0056 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	415.27	
<i>For 80 Mil Material, Add</i>	61.69	
<i>For 100 Mil Material, Add</i>	123.39	
<i>For 125 Mil Material, Add</i>	194.93	
<i>For 150 Mil Material, Add</i>	266.48	
<i>For 200 Mil Material, Add</i>	394.72	
<i>For 2 To 5 Manholes, Deduct</i>	-28.19	
<i>For 6 To 10 Manholes, Deduct</i>	-46.00	
<i>For >10 Manholes, Deduct</i>	-91.99	
33 05 84 00-0057 Polyvinyl Chloride (PVC) Liner <small>(33 05 84 00-0050)</small>		
Note: For new manholes and shop applied.		
33 05 84 00-0058 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	277.85	
33 05 84 00-0059 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	340.59	
33 05 84 00-0060 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	415.64	
33 05 84 00-0061 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	521.96	
33 05 84 00-0062 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	628.29	
33 05 84 00-0063 SF Polyvinyl Chloride (PVC) Liner At Structures	54.19	
33 05 84 00-0064 Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0001)</small>		
33 05 84 00-0065 18" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0064)</small>		
33 05 84 00-0066 EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings.....	89.92	
33 05 84 00-0067 EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	98.61	
33 05 84 00-0068 EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	107.31	
33 05 84 00-0069 EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	116.00	
33 05 84 00-0070 24" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0064)</small>		
33 05 84 00-0071 EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	101.01	
33 05 84 00-0072 EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	110.89	
33 05 84 00-0073 EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	120.77	
33 05 84 00-0074 EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	130.65	
33 05 84 00-0075 30" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0064)</small>		
33 05 84 00-0076 EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	111.85	
33 05 84 00-0077 EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	122.87	
33 05 84 00-0078 EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	133.89	
33 05 84 00-0079 EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	144.90	
33 05 84 00-0080 Bentonite Collar <small>(33 05 84 00-0001)</small>		
33 05 84 00-0081 Bentonite Collar At Manhole Connections <small>(33 05 84 00-0080)</small>		
33 05 84 00-0082 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection.....	173.88	
33 05 84 00-0083 EA >12" To 21", Bentonite Collar At Manhole Connection.....	275.67	
33 05 84 00-0084 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection.....	439.06	
33 05 84 00-0085 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection.....	1,028.85	
33 05 84 00-0086 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection.....	1,590.27	
33 05 84 00-0087 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection.....	2,883.47	
33 05 84 00-0088 Waste Water Collection System Taps <small>(33 05 84)</small>		
Note: For tapping existing structures only. Includes gROUT.		
33 05 84 00-0089 Brick Manhole Taps <small>(33 05 84 00-0088)</small>		
33 05 84 00-0090 EA 4" Tap In 6" Brick Manhole.....	524.42	
33 05 84 00-0091 EA 6" Tap In 6" Brick Manhole.....	585.04	
33 05 84 00-0092 EA 8" Tap In 6" Brick Manhole.....	644.58	
33 05 84 00-0093 EA 10" Tap In 6" Brick Manhole.....	704.00	
33 05 84 00-0094 EA 12" Tap In 6" Brick Manhole.....	778.22	
33 05 84 00-0095 EA 15" Tap In 6" Brick Manhole.....	837.52	

33 Utilities**33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 84 00-0096	Precast Concrete Manhole Tap <small>(33 05 84 00-0088)</small>		
33 05 84 00-0097	EA 4" Tap In Existing Precast Concrete Manhole.....		760.06
33 05 84 00-0098	EA 6" Tap In Existing Precast Concrete Manhole.....		851.00
33 05 84 00-0099	EA 8" Tap In Existing Precast Concrete Manhole.....		952.34
33 05 84 00-0100	EA 10" Tap In Existing Precast Concrete Manhole.....		1,041.47
33 05 84 00-0101	EA 12" Tap In Existing Precast Concrete Manhole.....		1,130.43
33 05 84 00-0102	EA 15" Tap In Existing Precast Concrete Manhole.....		1,221.54
33 05 84 00-0103	EA 18" Tap In Existing Precast Concrete Manhole.....		1,408.68
33 05 84 00-0104	EA 24" Tap In Existing Precast Concrete Manhole.....		1,812.61

33 05 97 Identification and Signage for Utilities (33 05)**33 05 97 23 Utility Identification Warning Tape** (33 05 97)

33 05 97 23-0001	Non-Detectable Utility Warning Tape <small>(33 05 97 23)</small>		
	Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0002	CLF 3" Non-Detectable Utility Warning Tape.....		7.78
33 05 97 23-0003	CLF 6" Non-Detectable Utility Warning Tape.....		10.99

33 05 97 23-0004 Detectable Utility Warning Tape (33 05 97 23)

	Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0005	CLF 2" Detectable Utility Warning Tape		7.91
33 05 97 23-0006	CLF 3" Detectable Utility Warning Tape		10.83
33 05 97 23-0007	CLF 6" Detectable Utility Warning Tape		17.40

33 10 Water Utilities (33)**33 11 Groundwater Sources** (33 10)**33 11 13 Potable Water Supply Wells** (33 11)

33 11 13 00-0001	Drill And Test Water Well <small>(33 11 13)</small>		
33 11 13 00-0002	Drill Hole <small>(33 11 13 00-0001)</small>		
	Note: Excludes loading and hauling of spoils.		
33 11 13 00-0003	Mobilization And Demobilization <small>(33 11 13 00-0002)</small>		
33 11 13 00-0004	EA Up To 12" Diameter, Well Drilling Mobilization And Demobilization.....		1,052.00
33 11 13 00-0005	EA >12" To 24" Diameter, Well Drilling Mobilization And Demobilization		1,284.92
33 11 13 00-0006	EA >24" To 36" Diameter, Well Drilling Mobilization And Demobilization		1,927.37

33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. (33 11 13 00-0002)

	Note: Excludes well casing, gravel or materials.		
33 11 13 00-0008	LF Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.		24.90
	For >100 To 250, Add		0.62
	For >250 To 400, Add		1.25
	For >400 To 600, Add		1.87
	For >600 To 750, Add		2.49
	For >750, Add		3.11
33 11 13 00-0009	LF 8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.		29.55
	For >100 To 250, Add		0.74
	For >250 To 400, Add		1.48
	For >400 To 600, Add		2.22
	For >600 To 750, Add		2.96
	For >750, Add		3.69
33 11 13 00-0010	LF 10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.		39.51
	For >100 To 250, Add		0.99
	For >250 To 400, Add		1.98
	For >400 To 600, Add		2.96
	For >600 To 750, Add		3.95
	For >750, Add		4.94
33 11 13 00-0011	LF 12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.		61.84
	For >100 To 250, Add		1.55
	For >250 To 400, Add		3.09
	For >400 To 600, Add		4.64
	For >600 To 750, Add		6.18
	For >750, Add		7.73
33 11 13 00-0012	LF 14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.		88.99
	For >100 To 250, Add		2.22
	For >250 To 400, Add		4.45
	For >400 To 600, Add		6.67
	For >600 To 750, Add		8.90
	For >750, Add		11.12



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0013 LF 16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	116.28	
For >100 To 250, Add	2.91	
For >250 To 400, Add	5.81	
For >400 To 600, Add	8.72	
For >600 To 750, Add	11.63	
For >750, Add	14.54	
33 11 13 00-0014 LF 18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	138.13	
For >100 To 250, Add	3.45	
For >250 To 400, Add	6.91	
For >400 To 600, Add	10.36	
For >600 To 750, Add	13.81	
For >750, Add	17.27	
33 11 13 00-0015 LF 20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	160.61	
For >100 To 250, Add	4.02	
For >250 To 400, Add	8.03	
For >400 To 600, Add	12.05	
For >600 To 750, Add	16.06	
For >750, Add	20.08	
33 11 13 00-0016 LF 22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	188.72	
For >100 To 250, Add	4.72	
For >250 To 400, Add	9.44	
For >400 To 600, Add	14.15	
For >600 To 750, Add	18.87	
For >750, Add	23.59	
33 11 13 00-0017 LF 24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	222.45	
For >100 To 250, Add	5.56	
For >250 To 400, Add	11.12	
For >400 To 600, Add	16.68	
For >600 To 750, Add	22.25	
For >750, Add	27.81	
33 11 13 00-0018 LF 26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	240.44	
For >100 To 250, Add	6.01	
For >250 To 400, Add	12.02	
For >400 To 600, Add	18.03	
For >600 To 750, Add	24.04	
For >750, Add	30.06	
33 11 13 00-0019 LF 28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	264.53	
For >100 To 250, Add	6.61	
For >250 To 400, Add	13.23	
For >400 To 600, Add	19.84	
For >600 To 750, Add	26.45	
For >750, Add	33.07	
33 11 13 00-0020 LF 30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	289.75	
For >100 To 250, Add	7.24	
For >250 To 400, Add	14.49	
For >400 To 600, Add	21.73	
For >600 To 750, Add	28.98	
For >750, Add	36.22	
33 11 13 00-0021 LF 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	360.42	
For >100 To 250, Add	9.01	
For >250 To 400, Add	18.02	
For >400 To 600, Add	27.03	
For >600 To 750, Add	36.04	
For >750, Add	45.05	
33 11 13 00-0022 Drill Hole In Sedimentary Rock <small>(33 11 13 00-0002)</small>	50.75	
33 11 13 00-0023 LF 6" Water Well Hole Drilled In Sedimentary Rock	1.27	
For >100 To 250, Add	2.54	
For >250 To 400, Add	3.81	
For >400 To 600, Add	5.08	
For >600 To 750, Add	6.34	
33 11 13 00-0024 LF 8" Water Well Hole Drilled In Sedimentary Rock	59.11	
For >100 To 250, Add	1.48	
For >250 To 400, Add	2.96	
For >400 To 600, Add	4.43	
For >600 To 750, Add	5.91	
For >750, Add	7.39	
33 11 13 00-0025 LF 10" Water Well Hole Drilled In Sedimentary Rock	94.63	
For >100 To 250, Add	2.37	
For >250 To 400, Add	4.73	
For >400 To 600, Add	7.10	
For >600 To 750, Add	9.46	
For >750, Add	11.83	
33 11 13 00-0026 LF 12" Water Well Hole Drilled In Sedimentary Rock	123.73	
For >100 To 250, Add	3.09	
For >250 To 400, Add	6.19	
For >400 To 600, Add	9.28	
For >600 To 750, Add	12.37	
For >750, Add	15.47	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0027 LF 14" Water Well Hole Drilled In Sedimentary Rock.....	178.09	
For>100 To 250, Add	4.45	
For>250 To 400, Add	8.90	
For>400 To 600, Add	13.36	
For>600 To 750, Add	17.81	
For>750, Add	22.26	
33 11 13 00-0028 LF 16" Water Well Hole Drilled In Sedimentary Rock.....	232.44	
For>100 To 250, Add	5.81	
For>250 To 400, Add	11.62	
For>400 To 600, Add	17.43	
For>600 To 750, Add	23.24	
For>750, Add	29.06	
33 11 13 00-0029 LF 18" Water Well Hole Drilled In Sedimentary Rock.....	276.39	
For>100 To 250, Add	6.91	
For>250 To 400, Add	13.82	
For>400 To 600, Add	20.73	
For>600 To 750, Add	27.64	
For>750, Add	34.55	
33 11 13 00-0030 LF 20" Water Well Hole Drilled In Sedimentary Rock.....	320.71	
For>100 To 250, Add	8.02	
For>250 To 400, Add	16.04	
For>400 To 600, Add	24.05	
For>600 To 750, Add	32.07	
For>750, Add	40.09	
33 11 13 00-0031 LF 22" Water Well Hole Drilled In Sedimentary Rock.....	377.76	
For>100 To 250, Add	9.44	
For>250 To 400, Add	18.89	
For>400 To 600, Add	28.33	
For>600 To 750, Add	37.78	
For>750, Add	47.22	
33 11 13 00-0032 LF 24" Water Well Hole Drilled In Sedimentary Rock.....	436.36	
For>100 To 250, Add	10.91	
For>250 To 400, Add	21.82	
For>400 To 600, Add	32.73	
For>600 To 750, Add	43.64	
For>750, Add	54.55	
33 11 13 00-0033 LF 26" Water Well Hole Drilled In Sedimentary Rock.....	480.88	
For>100 To 250, Add	12.02	
For>250 To 400, Add	24.04	
For>400 To 600, Add	36.07	
For>600 To 750, Add	48.09	
For>750, Add	60.11	
33 11 13 00-0034 LF 28" Water Well Hole Drilled In Sedimentary Rock.....	529.06	
For>100 To 250, Add	13.23	
For>250 To 400, Add	26.45	
For>400 To 600, Add	39.68	
For>600 To 750, Add	52.91	
For>750, Add	66.13	
33 11 13 00-0035 LF 30" Water Well Hole Drilled In Sedimentary Rock.....	579.49	
For>100 To 250, Add	14.49	
For>250 To 400, Add	28.97	
For>400 To 600, Add	43.46	
For>600 To 750, Add	57.95	
For>750, Add	72.44	
33 11 13 00-0036 LF 36" Water Well Hole Drilled In Sedimentary Rock.....	720.84	
For>100 To 250, Add	18.02	
For>250 To 400, Add	36.04	
For>400 To 600, Add	54.06	
For>600 To 750, Add	72.08	
For>750, Add	90.11	
33 11 13 00-0037 Drill Hole In Crystalline Rock <small>(33 11 13 00-0002)</small>		
33 11 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock.....	104.40	
For>100 To 250, Add	2.61	
For>250 To 400, Add	5.22	
For>400 To 600, Add	7.83	
For>600 To 750, Add	10.44	
For>750, Add	13.05	
33 11 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock.....	120.46	
For>100 To 250, Add	3.01	
For>250 To 400, Add	6.02	
For>400 To 600, Add	9.03	
For>600 To 750, Add	12.05	
For>750, Add	15.06	
33 11 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock.....	138.13	
For>100 To 250, Add	3.45	
For>250 To 400, Add	6.91	
For>400 To 600, Add	10.36	
For>600 To 750, Add	13.81	
For>750, Add	17.27	



	Utilities	33	
	Water Utilities	33 10	CS
	Groundwater Sources	33 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0041	LF		12" Water Well Hole Drilled In Crystalline Rock.....	175.07	
			<i>For >100 To 250, Add</i>	4.38	
			<i>For >250 To 400, Add</i>	8.75	
			<i>For >400 To 600, Add</i>	13.13	
			<i>For >600 To 750, Add</i>	17.51	
			<i>For >750, Add</i>	21.88	
33 11 13 00-0042	LF		14" Water Well Hole Drilled In Crystalline Rock.....	226.46	
			<i>For >100 To 250, Add</i>	5.66	
			<i>For >250 To 400, Add</i>	11.32	
			<i>For >400 To 600, Add</i>	16.98	
			<i>For >600 To 750, Add</i>	22.65	
			<i>For >750, Add</i>	28.31	
33 11 13 00-0043	LF		16" Water Well Hole Drilled In Crystalline Rock.....	329.26	
			<i>For >100 To 250, Add</i>	8.23	
			<i>For >250 To 400, Add</i>	16.46	
			<i>For >400 To 600, Add</i>	24.69	
			<i>For >600 To 750, Add</i>	32.93	
			<i>For >750, Add</i>	41.16	
33 11 13 00-0044	LF		18" Water Well Hole Drilled In Crystalline Rock.....	391.90	
			<i>For >100 To 250, Add</i>	9.80	
			<i>For >250 To 400, Add</i>	19.60	
			<i>For >400 To 600, Add</i>	29.39	
			<i>For >600 To 750, Add</i>	39.19	
			<i>For >750, Add</i>	48.99	
33 11 13 00-0045	LF		20" Water Well Hole Drilled In Crystalline Rock.....	454.54	
			<i>For >100 To 250, Add</i>	11.36	
			<i>For >250 To 400, Add</i>	22.73	
			<i>For >400 To 600, Add</i>	34.09	
			<i>For >600 To 750, Add</i>	45.45	
			<i>For >750, Add</i>	56.82	
33 11 13 00-0046	LF		22" Water Well Hole Drilled In Crystalline Rock.....	534.84	
			<i>For >100 To 250, Add</i>	13.37	
			<i>For >250 To 400, Add</i>	26.74	
			<i>For >400 To 600, Add</i>	40.11	
			<i>For >600 To 750, Add</i>	53.48	
			<i>For >750, Add</i>	66.86	
33 11 13 00-0047	LF		24" Water Well Hole Drilled In Crystalline Rock.....	618.36	
			<i>For >100 To 250, Add</i>	15.46	
			<i>For >250 To 400, Add</i>	30.92	
			<i>For >400 To 600, Add</i>	46.38	
			<i>For >600 To 750, Add</i>	61.84	
			<i>For >750, Add</i>	77.30	
33 11 13 00-0048			Furnish And Install Casing <small>(33 11 13 00-0001)</small>		
			Note: Excludes drilling of hole.		
33 11 13 00-0049			Steel Well Casing <small>(33 11 13 00-0048)</small>		
33 11 13 00-0050	LF		6" Diameter, Steel Well Casing, Flush.....	45.45	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 400, Deduct</i>	-2.49	
			<i>For >400 To 600, Deduct</i>	-3.73	
			<i>For >600 To 750, Deduct</i>	-4.98	
			<i>For >750, Deduct</i>	-6.50	
33 11 13 00-0051	LF		8" Diameter, Steel Well Casing, Flush.....	56.51	
			<i>For >100 To 250, Deduct</i>	-1.68	
			<i>For >250 To 400, Deduct</i>	-3.09	
			<i>For >400 To 600, Deduct</i>	-4.64	
			<i>For >600 To 750, Deduct</i>	-6.19	
			<i>For >750, Deduct</i>	-8.09	
33 11 13 00-0052	LF		10" Diameter, Steel Well Casing, Flush.....	83.92	
			<i>For >100 To 250, Deduct</i>	-2.42	
			<i>For >250 To 400, Deduct</i>	-4.52	
			<i>For >400 To 600, Deduct</i>	-6.78	
			<i>For >600 To 750, Deduct</i>	-9.04	
			<i>For >750, Deduct</i>	-11.72	
33 11 13 00-0053	LF		12" Diameter, Steel Well Casing, Flush.....	141.31	
			<i>For >100 To 250, Deduct</i>	-3.92	
			<i>For >250 To 400, Deduct</i>	-7.45	
			<i>For >400 To 600, Deduct</i>	-11.18	
			<i>For >600 To 750, Deduct</i>	-14.91	
			<i>For >750, Deduct</i>	-19.14	
33 11 13 00-0054	LF		14" Diameter, Steel Well Casing, Flush.....	158.15	
			<i>For >100 To 250, Deduct</i>	-4.49	
			<i>For >250 To 400, Deduct</i>	-8.45	
			<i>For >400 To 600, Deduct</i>	-12.67	
			<i>For >600 To 750, Deduct</i>	-16.89	
			<i>For >750, Deduct</i>	-21.81	
33 11 13 00-0055	LF		16" Diameter, Steel Well Casing, Flush.....	185.56	
			<i>For >100 To 250, Deduct</i>	-5.31	
			<i>For >250 To 400, Deduct</i>	-9.95	
			<i>For >400 To 600, Deduct</i>	-14.92	
			<i>For >600 To 750, Deduct</i>	-19.89	
			<i>For >750, Deduct</i>	-25.73	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0056 LF 18" Diameter, Steel Well Casing, Flush	211.47	
For>100 To 250, Deduct	-6.13	
For>250 To 400, Deduct	-11.41	
For>400 To 600, Deduct	-17.12	
For>600 To 750, Deduct	-22.83	
For>750, Deduct	-29.62	
33 11 13 00-0057 LF 20" Diameter, Steel Well Casing, Flush	240.83	
For>100 To 250, Deduct	-7.05	
For>250 To 400, Deduct	-13.07	
For>400 To 600, Deduct	-19.61	
For>600 To 750, Deduct	-26.15	
For>750, Deduct	-34.03	
33 11 13 00-0058 LF 24" Diameter, Steel Well Casing, Flush	281.63	
For>100 To 250, Deduct	-8.20	
For>250 To 400, Deduct	-15.24	
For>400 To 600, Deduct	-22.87	
For>600 To 750, Deduct	-30.49	
For>750, Deduct	-39.62	
33 11 13 00-0059 LB Steel Well Casing, Furnish And Install	1.46	
For>100 To 250, Deduct	-0.05	
For>250 To 400, Deduct	-0.09	
For>400 To 600, Deduct	-0.13	
For>600 To 750, Deduct	-0.18	
For>750, Deduct	-0.24	
33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded (33 11 13 00-0048)		
33 11 13 00-0061 LF 6" Diameter, Stainless Steel Well Casing, Flush	102.04	
For>100 To 250, Deduct	-2.77	
For>250 To 400, Deduct	-5.32	
For>400 To 600, Deduct	-7.98	
For>600 To 750, Deduct	-10.63	
For>750, Deduct	-13.57	
33 11 13 00-0062 LF 8" Diameter, Stainless Steel Well Casing, Flush	153.82	
For>100 To 250, Deduct	-4.11	
For>250 To 400, Deduct	-7.96	
For>400 To 600, Deduct	-11.94	
For>600 To 750, Deduct	-15.92	
For>750, Deduct	-20.25	
33 11 13 00-0063 LF 10" Diameter, Stainless Steel Well Casing, Flush	215.24	
For>100 To 250, Deduct	-5.73	
For>250 To 400, Deduct	-11.11	
For>400 To 600, Deduct	-16.66	
For>600 To 750, Deduct	-22.21	
For>750, Deduct	-28.21	
33 11 13 00-0064 LF 12" Diameter, Stainless Steel Well Casing, Flush	250.22	
For>100 To 250, Deduct	-6.66	
For>250 To 400, Deduct	-12.92	
For>400 To 600, Deduct	-19.38	
For>600 To 750, Deduct	-25.84	
For>750, Deduct	-32.83	
33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring (33 11 13 00-0048)		
33 11 13 00-0066 LF 10" Diameter, Stainless Steel Well Casing, Welded	225.57	
For>100 To 250, Deduct	-6.24	
For>250 To 400, Deduct	-11.88	
For>400 To 600, Deduct	-17.82	
For>600 To 750, Deduct	-23.76	
For>750, Deduct	-30.49	
33 11 13 00-0067 LF 12" Diameter, Stainless Steel Well Casing, Welded	261.41	
For>100 To 250, Deduct	-7.22	
For>250 To 400, Deduct	-13.76	
For>400 To 600, Deduct	-20.64	
For>600 To 750, Deduct	-27.52	
For>750, Deduct	-35.29	
33 11 13 00-0068 LF 14" Diameter, Stainless Steel Well Casing, Welded	314.71	
For>100 To 250, Deduct	-8.64	
For>250 To 400, Deduct	-16.51	
For>400 To 600, Deduct	-24.77	
For>600 To 750, Deduct	-33.02	
For>750, Deduct	-42.28	
33 11 13 00-0069 LF 16" Diameter, Stainless Steel Well Casing, Welded	360.42	
For>100 To 250, Deduct	-9.89	
For>250 To 400, Deduct	-18.90	
For>400 To 600, Deduct	-28.35	
For>600 To 750, Deduct	-37.81	
For>750, Deduct	-48.41	
33 11 13 00-0070 LF 18" Diameter, Stainless Steel Well Casing, Welded	397.58	
For>100 To 250, Deduct	-10.95	
For>250 To 400, Deduct	-20.89	
For>400 To 600, Deduct	-31.34	
For>600 To 750, Deduct	-41.78	
For>750, Deduct	-53.54	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0071 LF 20" Diameter, Stainless Steel Well Casing, Welded	522.27	
For >100 To 250, Deduct	-14.26	
For >250 To 400, Deduct	-27.32	
For >400 To 600, Deduct	-40.98	
For >600 To 750, Deduct	-54.64	
For >750, Deduct	-69.86	
33 11 13 00-0072 LF 24" Diameter, Stainless Steel Well Casing, Welded	688.98	
For >100 To 250, Deduct	-18.73	
For >250 To 400, Deduct	-35.96	
For >400 To 600, Deduct	-53.93	
For >600 To 750, Deduct	-71.91	
For >750, Deduct	-91.85	
33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 <small>(33 11 13 00-0048)</small>		
33 11 13 00-0074 LF 6" Polyvinyl Chloride (PVC) Well Casing	55.06	
For >100 To 250, Deduct	-1.55	
For >250 To 400, Deduct	-2.93	
For >400 To 600, Deduct	-4.39	
For >600 To 750, Deduct	-5.85	
For >750, Deduct	-7.54	
33 11 13 00-0075 LF 8" Polyvinyl Chloride (PVC) Well Casing	87.49	
For >100 To 250, Deduct	-2.46	
For >250 To 400, Deduct	-4.64	
For >400 To 600, Deduct	-6.97	
For >600 To 750, Deduct	-9.29	
For >750, Deduct	-11.96	
33 11 13 00-0076 LF 10" Polyvinyl Chloride (PVC) Well Casing	132.20	
For >100 To 250, Deduct	-3.71	
For >250 To 400, Deduct	-7.02	
For >400 To 600, Deduct	-10.53	
For >600 To 750, Deduct	-14.04	
For >750, Deduct	-18.08	
33 11 13 00-0077 LF 12" Polyvinyl Chloride (PVC) Well Casing	155.86	
For >100 To 250, Deduct	-4.39	
For >250 To 400, Deduct	-8.29	
For >400 To 600, Deduct	-12.43	
For >600 To 750, Deduct	-16.58	
For >750, Deduct	-21.36	
33 11 13 00-0078 Furnish And Install Well Screen Assembly <small>(33 11 13 00-0001)</small>		
33 11 13 00-0079 Stainless Steel Well Screen <small>(33 11 13 00-0078)</small>		
33 11 13 00-0080 LF 2" Stainless Steel Well Screen	29.97	1.72
For >100 To 250, Deduct	-0.97	
For >250 To 400, Deduct	-1.72	
For >400 To 600, Deduct	-2.58	
For >600 To 750, Deduct	-3.44	
For >750, Deduct	-4.58	
33 11 13 00-0081 LF 3" Stainless Steel Well Screen	48.89	1.72
For >100 To 250, Deduct	-1.46	
For >250 To 400, Deduct	-2.68	
For >400 To 600, Deduct	-4.02	
For >600 To 750, Deduct	-5.37	
For >750, Deduct	-7.02	
33 11 13 00-0082 LF 4" Stainless Steel Well Screen	61.39	2.58
For >100 To 250, Deduct	-1.84	
For >250 To 400, Deduct	-3.37	
For >400 To 600, Deduct	-5.06	
For >600 To 750, Deduct	-6.74	
For >750, Deduct	-8.82	
33 11 13 00-0083 LF 5" Stainless Steel Well Screen	77.89	2.58
For >100 To 250, Deduct	-2.31	
For >250 To 400, Deduct	-4.25	
For >400 To 600, Deduct	-6.38	
For >600 To 750, Deduct	-8.51	
For >750, Deduct	-11.10	
33 11 13 00-0084 LF 6" Stainless Steel Well Screen	92.84	3.44
For >100 To 250, Deduct	-2.80	
For >250 To 400, Deduct	-5.12	
For >400 To 600, Deduct	-7.68	
For >600 To 750, Deduct	-10.24	
For >750, Deduct	-13.42	
33 11 13 00-0085 LF 8" Stainless Steel Well Screen	121.32	4.31
For >100 To 250, Deduct	-3.64	
For >250 To 400, Deduct	-6.68	
For >400 To 600, Deduct	-10.02	
For >600 To 750, Deduct	-13.36	
For >750, Deduct	-17.49	
33 11 13 00-0086 LF 10" Stainless Steel Well Screen	153.37	6.89
For >100 To 250, Deduct	-4.66	
For >250 To 400, Deduct	-8.49	
For >400 To 600, Deduct	-12.74	
For >600 To 750, Deduct	-16.99	
For >750, Deduct	-22.31	

33 Utilities**33 10 Water Utilities****33 11 Groundwater Sources**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0087 LF 12" Stainless Steel Well Screen.....	179.99	8.60
For >100 To 250, Deduct	-5.46	
For >250 To 400, Deduct	-9.96	
For >400 To 600, Deduct	-14.95	
For >600 To 750, Deduct	-19.93	
For >750, Deduct	-26.16	
33 11 13 00-0088 LF 14" Stainless Steel Well Screen.....	196.98	9.47
For >100 To 250, Deduct	-6.03	
For >250 To 400, Deduct	-10.96	
For >400 To 600, Deduct	-16.44	
For >600 To 750, Deduct	-21.92	
For >750, Deduct	-28.84	
33 11 13 00-0089 LF 16" Stainless Steel Well Screen.....	212.67	11.19
For >100 To 250, Deduct	-6.56	
For >250 To 400, Deduct	-11.88	
For >400 To 600, Deduct	-17.82	
For >600 To 750, Deduct	-23.76	
For >750, Deduct	-31.32	
33 11 13 00-0090 LF 18" Stainless Steel Well Screen.....	254.80	12.91
For >100 To 250, Deduct	-7.91	
For >250 To 400, Deduct	-14.28	
For >400 To 600, Deduct	-21.42	
For >600 To 750, Deduct	-28.55	
For >750, Deduct	-37.69	
33 11 13 00-0091 LF 20" Stainless Steel Well Screen.....	321.45	16.35
For >100 To 250, Deduct	-9.97	
For >250 To 400, Deduct	-18.00	
For >400 To 600, Deduct	-27.01	
For >600 To 750, Deduct	-36.01	
For >750, Deduct	-47.52	
33 11 13 00-0092 LF 24" Stainless Steel Well Screen.....	416.67	21.51
For >100 To 250, Deduct	-12.95	
For >250 To 400, Deduct	-23.36	
For >400 To 600, Deduct	-35.05	
For >600 To 750, Deduct	-46.73	
For >750, Deduct	-61.70	
33 11 13 00-0093 LF 26" Stainless Steel Well Screen.....	481.07	24.96
For >100 To 250, Deduct	-14.90	
For >250 To 400, Deduct	-26.92	
For >400 To 600, Deduct	-40.38	
For >600 To 750, Deduct	-53.84	
For >750, Deduct	-71.04	
33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 <small>(33 11 13 00-0078)</small>		
33 11 13 00-0095 LF 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	16.32	
For >100 To 250, Deduct	-0.58	
For >250 To 400, Deduct	-0.98	
For >400 To 600, Deduct	-1.48	
For >600 To 750, Deduct	-1.97	
For >750, Deduct	-2.68	
For Schedule 80, Add	3.84	
33 11 13 00-0096 LF 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	18.68	
For >100 To 250, Deduct	-0.65	
For >250 To 400, Deduct	-1.11	
For >400 To 600, Deduct	-1.67	
For >600 To 750, Deduct	-2.23	
For >750, Deduct	-3.02	
For Schedule 80, Add	4.60	
33 11 13 00-0097 LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	26.26	
For >100 To 250, Deduct	-0.98	
For >250 To 400, Deduct	-1.63	
For >400 To 600, Deduct	-2.45	
For >600 To 750, Deduct	-3.27	
For >750, Deduct	-4.50	
For Schedule 80, Add	5.37	
33 11 13 00-0098 LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	38.78	
For >100 To 250, Deduct	-1.32	
For >250 To 400, Deduct	-2.29	
For >400 To 600, Deduct	-3.43	
For >600 To 750, Deduct	-4.57	
For >750, Deduct	-6.16	
For Schedule 80, Add	9.97	
33 11 13 00-0099 LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	48.79	
For >100 To 250, Deduct	-1.66	
For >250 To 400, Deduct	-2.88	
For >400 To 600, Deduct	-4.32	
For >600 To 750, Deduct	-5.76	
For >750, Deduct	-7.77	
For Schedule 80, Add	12.50	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0100 LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	61.13	
<i>For >100 To 250, Deduct</i>	-2.05	
<i>For >250 To 400, Deduct</i>	-3.58	
<i>For >400 To 600, Deduct</i>	-5.37	
<i>For >600 To 750, Deduct</i>	-7.16	
<i>For >750, Deduct</i>	-9.62	
<i>For Schedule 80, Add</i>	16.10	
33 11 13 00-0101 LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	67.13	
<i>For >100 To 250, Deduct</i>	-2.37	
<i>For >250 To 400, Deduct</i>	-4.05	
<i>For >400 To 600, Deduct</i>	-6.08	
<i>For >600 To 750, Deduct</i>	-8.10	
<i>For >750, Deduct</i>	-11.04	
<i>For Schedule 80, Add</i>	15.72	
33 11 13 00-0102 LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	96.95	
<i>For >100 To 250, Deduct</i>	-3.31	
<i>For >250 To 400, Deduct</i>	-5.74	
<i>For >400 To 600, Deduct</i>	-8.61	
<i>For >600 To 750, Deduct</i>	-11.48	
<i>For >750, Deduct</i>	-15.50	
<i>For Schedule 80, Add</i>	24.54	
33 11 13 00-0103 Furnish And Install Gravel Pack Material <small>(33 11 13 00-0001)</small>		
<i>Note: Quantity is based on 3" space between wall and the casing or well screen.</i>		
33 11 13 00-0104 Artificial Gravel Pack <small>(33 11 13 00-0103)</small>		
<i>Note: Excludes casing.</i>		
33 11 13 00-0105 LF Artificial Gravel Pack, 6" Casing, 2" Screen.....	16.50	
<i>For >100 To 250, Deduct</i>	-0.66	
<i>For >250 To 400, Deduct</i>	-1.07	
<i>For >400 To 600, Deduct</i>	-1.61	
<i>For >600 To 750, Deduct</i>	-2.15	
<i>For >750, Deduct</i>	-3.00	
33 11 13 00-0106 LF Artificial Gravel Pack, 8" Casing, 2" Screen.....	24.53	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 400, Deduct</i>	-1.61	
<i>For >400 To 600, Deduct</i>	-2.42	
<i>For >600 To 750, Deduct</i>	-3.23	
<i>For >750, Deduct</i>	-4.54	
33 11 13 00-0107 LF Artificial Gravel Pack, 10" Casing, 2" Screen.....	34.47	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 400, Deduct</i>	-2.30	
<i>For >400 To 600, Deduct</i>	-3.45	
<i>For >600 To 750, Deduct</i>	-4.60	
<i>For >750, Deduct</i>	-6.51	
33 11 13 00-0108 LF Artificial Gravel Pack, 12" Casing, 2" Screen.....	44.00	
<i>For >100 To 250, Deduct</i>	-1.82	
<i>For >250 To 400, Deduct</i>	-2.92	
<i>For >400 To 600, Deduct</i>	-4.38	
<i>For >600 To 750, Deduct</i>	-5.84	
<i>For >750, Deduct</i>	-8.23	
33 11 13 00-0109 LF Artificial Gravel Pack, 14" Casing, 2" Screen.....	54.05	
<i>For >100 To 250, Deduct</i>	-2.21	
<i>For >250 To 400, Deduct</i>	-3.56	
<i>For >400 To 600, Deduct</i>	-5.34	
<i>For >600 To 750, Deduct</i>	-7.12	
<i>For >750, Deduct</i>	-10.02	
33 11 13 00-0110 LF Artificial Gravel Pack, 16" Casing, 2" Screen.....	69.55	
<i>For >100 To 250, Deduct</i>	-2.80	
<i>For >250 To 400, Deduct</i>	-4.54	
<i>For >400 To 600, Deduct</i>	-6.80	
<i>For >600 To 750, Deduct</i>	-9.07	
<i>For >750, Deduct</i>	-12.71	
33 11 13 00-0111 LF Artificial Gravel Pack, 18" Casing, 2" Screen.....	79.62	
<i>For >100 To 250, Deduct</i>	-3.19	
<i>For >250 To 400, Deduct</i>	-5.18	
<i>For >400 To 600, Deduct</i>	-7.77	
<i>For >600 To 750, Deduct</i>	-10.35	
<i>For >750, Deduct</i>	-14.50	
33 11 13 00-0112 LF Artificial Gravel Pack, 20" Casing, 2" Screen.....	94.88	
<i>For >100 To 250, Deduct</i>	-3.83	
<i>For >250 To 400, Deduct</i>	-6.20	
<i>For >400 To 600, Deduct</i>	-9.31	
<i>For >600 To 750, Deduct</i>	-12.41	
<i>For >750, Deduct</i>	-17.41	
33 11 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen.....	107.52	
<i>For >100 To 250, Deduct</i>	-4.36	
<i>For >250 To 400, Deduct</i>	-7.05	
<i>For >400 To 600, Deduct</i>	-10.58	
<i>For >600 To 750, Deduct</i>	-14.10	
<i>For >750, Deduct</i>	-19.81	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen	115.42	
For >100 To 250, Deduct	-4.64	
For >250 To 400, Deduct	-7.52	
For >400 To 600, Deduct	-11.28	
For >600 To 750, Deduct	-15.04	
For >750, Deduct	-21.08	
33 11 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen	138.15	
For >100 To 250, Deduct	-5.61	
For >250 To 400, Deduct	-9.06	
For >400 To 600, Deduct	-13.59	
For >600 To 750, Deduct	-18.12	
For >750, Deduct	-25.45	
33 11 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen	160.90	
For >100 To 250, Deduct	-6.65	
For >250 To 400, Deduct	-10.67	
For >400 To 600, Deduct	-16.01	
For >600 To 750, Deduct	-21.34	
For >750, Deduct	-30.09	
33 11 13 00-0117 Develop Well <small>(33 11 13 00-0001)</small>		
Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118 HR Develop Well	439.73	
33 11 13 00-0119 Pump Test <small>(33 11 13 00-0001)</small>		
Note: To determine water level and GPM flow rate.		
33 11 13 00-0120 HR Pump Test Well	389.00	
33 11 13 00-0121 Test Well <small>(33 11 13 00-0001)</small>		
33 11 13 00-0122 VLF 2-1/2" Diameter Test Well	105.01	
33 11 13 00-0123 Surface Seal, Concrete Filled <small>(33 11 13)</small>		
33 11 13 00-0124 SF Surface Seal Well, Concrete Filled	37.00	
33 11 13 00-0125 Other Water Well <small>(33 11 13)</small>		
33 11 13 00-0126 SF Patch Hole In Well Casing	93.30	
33 11 13 00-0127 SF 1/2" Pressure Grout Well	2.85	
33 11 13 00-0128 SF 1" Pressure Grout Well	4.75	
33 11 13 00-0129 CF Sediment Removal In Well Casing For Existing Well	5.38	
33 11 13 00-0130 Sterilization Of Well <small>(33 11 13)</small>		
33 11 13 00-0131 EA Well Sterilization, Chlorine	1,549.93	
33 11 13 00-0132 Submersible Well Pumps <small>(33 11 13)</small>		
Note: Includes pump end, motor and control box.		
33 11 13 00-0133 4" Submersible Well Pumps <small>(33 11 13 00-0132)</small>		
33 11 13 00-0134 Powder Coated Case And Cast Iron Ends <small>(33 11 13 00-0133)</small>		
33 11 13 00-0135 EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,524.61	548.99
33 11 13 00-0136 EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,735.58	608.49
33 11 13 00-0137 EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,926.48	676.10
33 11 13 00-0138 Stainless Steel Case And Ends <small>(33 11 13 00-0133)</small>		
33 11 13 00-0139 EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,697.49	540.87
33 11 13 00-0140 EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,933.35	608.49
33 11 13 00-0141 EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,165.67	676.10
33 11 13 00-0142 EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,471.40	743.70
33 11 13 00-0143 EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,787.78	811.32
33 11 13 00-0144 EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,413.45	946.53
33 11 13 00-0145 EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel	4,260.56	1,081.76
33 11 13 00-0146 6" Submersible Well Pumps <small>(33 11 13 00-0132)</small>		
33 11 13 00-0147 EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,234.25	1,352.19
33 11 13 00-0148 EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,861.10	1,487.42
33 11 13 00-0149 EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,510.45	1,622.63
33 11 13 00-0150 EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel	6,629.88	1,893.07

33 14 Water Utility Transmission and Distribution (33 10)

33 14 11 Water Utility Transmission Piping (33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

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

33 14 13 Public Water Utility Distribution Piping (33 14)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping (33 14 13)

33 14 13 13-0001 Ductile Iron Piping (33 14 13 13)

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping (33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 0500 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe (33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe.....	43.42	13.70
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.88	
		For Cement Mortar Lining (CML), Add	2.27	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	12.25	
		For Fusion Bonded Epoxy Lining (206N), Add	4.08	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.70	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-2.17	
		For Class 52, Add	7.21	
		For Class 53, Add	12.94	
		For Class 54, Add	18.43	
		For Class 55, Add	21.23	
		For Class 56, Add	23.98	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe.....	47.02	14.58
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.45	
		For Cement Mortar Lining (CML), Add	2.49	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	13.46	
		For Fusion Bonded Epoxy Lining (206N), Add	4.49	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.87	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-2.35	
		For Class 51, Add	3.67	
		For Class 52, Add	7.91	
		For Class 53, Add	14.19	
		For Class 54, Add	20.21	
		For Class 55, Add	23.28	
		For Class 56, Add	26.30	
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe.....	50.20	15.30
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	18.94	
		For Cement Mortar Lining (CML), Add	2.71	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	14.61	
		For Fusion Bonded Epoxy Lining (206N), Add	4.87	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.03	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-2.51	
		For Class 51, Add	3.98	
		For Class 52, Add	8.56	
		For Class 53, Add	15.37	
		For Class 54, Add	21.90	
		For Class 55, Add	25.22	
		For Class 56, Add	28.48	
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe.....	58.71	15.91
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.23	
		For Cement Mortar Lining (CML), Add	3.46	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	18.69	
		For Fusion Bonded Epoxy Lining (206N), Add	6.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.60	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-2.94	
		For Class 51, Add	5.02	
		For Class 52, Add	10.82	
		For Class 53, Add	19.45	
		For Class 54, Add	27.73	
		For Class 55, Add	31.91	
		For Class 56, Add	36.02	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0008 LF 10", Class 50, Mechanical Joint Ductile Iron Pipe.....	79.74	22.91
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	27.02	
For Cement Mortar Lining (CML), Add	4.50	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	22.52	
For Fusion Bonded Epoxy Lining (206N), Add	8.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.38	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.99	
For Class 51, Add	6.57	
For Class 52, Add	14.16	
For Class 53, Add	25.43	
For Class 54, Add	36.25	
For Class 55, Add	41.73	
For Class 56, Add	47.12	
33 14 13 13-0009 LF 12", Class 50, Mechanical Joint Ductile Iron Pipe.....	96.08	25.46
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	28.76	
For Cement Mortar Lining (CML), Add	5.75	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	23.00	
For Fusion Bonded Epoxy Lining (206N), Add	10.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.31	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.80	
For Class 51, Add	8.32	
For Class 52, Add	17.94	
For Class 53, Add	32.27	
For Class 54, Add	46.00	
For Class 55, Add	52.93	
For Class 56, Add	59.74	
33 14 13 13-0010 LF 14", Class 50, Mechanical Joint Ductile Iron Pipe.....	114.71	28.58
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.38	
For Cement Mortar Lining (CML), Add	7.13	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	24.25	
For Fusion Bonded Epoxy Lining (206N), Add	12.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.35	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.74	
For Class 51, Add	10.26	
For Class 52, Add	22.13	
For Class 53, Add	39.85	
For Class 54, Add	56.83	
For Class 55, Add	65.37	
For Class 56, Add	73.75	
33 14 13 13-0011 LF 16", Class 50, Mechanical Joint Ductile Iron Pipe.....	129.55	32.74
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	32.78	
For Cement Mortar Lining (CML), Add	8.00	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	24.79	
For Fusion Bonded Epoxy Lining (206N), Add	14.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.00	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.48	
For Class 51, Add	11.52	
For Class 52, Add	24.84	
For Class 53, Add	44.71	
For Class 54, Add	63.76	
For Class 55, Add	73.34	
For Class 56, Add	82.76	
33 14 13 13-0012 LF 18", Class 50, Mechanical Joint Ductile Iron Pipe.....	160.40	38.18
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	42.04	
For Cement Mortar Lining (CML), Add	10.25	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	31.79	
For Fusion Bonded Epoxy Lining (206N), Add	18.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.69	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.02	
For Class 51, Add	14.70	
For Class 52, Add	31.71	
For Class 53, Add	57.12	
For Class 54, Add	81.48	
For Class 55, Add	93.70	
For Class 56, Add	105.70	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0013 LF 20", Class 50, Mechanical Joint Ductile Iron Pipe.....	182.35	45.82
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	42.91	
For Cement Mortar Lining (CML), Add	11.29	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	31.62	
For Fusion Bonded Epoxy Lining (206N), Add	20.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.47	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-9.12	
For Class 51, Add	16.26	
For Class 52, Add	35.06	
For Class 53, Add	63.12	
For Class 54, Add	90.01	
For Class 55, Add	103.54	
For Class 56, Add	116.83	
33 14 13 13-0014 LF 24", Class 50, Mechanical Joint Ductile Iron Pipe.....	238.34	57.28
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	46.98	
For Cement Mortar Lining (CML), Add	15.16	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	31.83	
For Fusion Bonded Epoxy Lining (206N), Add	27.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.37	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.92	
For Class 51, Add	21.74	
For Class 52, Add	46.89	
For Class 53, Add	84.48	
For Class 54, Add	120.49	
For Class 55, Add	138.57	
For Class 56, Add	156.33	
33 14 13 13-0015 LF 30", Class 50, Mechanical Joint Ductile Iron Pipe.....	306.29	61.67
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	66.25	
For Cement Mortar Lining (CML), Add	21.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	38.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.03	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-15.31	
For Class 51, Add	30.29	
For Class 52, Add	65.38	
For Class 53, Add	118.00	
For Class 54, Add	168.42	
For Class 55, Add	193.54	
For Class 56, Add	218.20	
33 14 13 13-0016 LF 36", Class 50, Mechanical Joint Ductile Iron Pipe.....	365.59	65.49
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	82.84	
For Cement Mortar Lining (CML), Add	26.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	48.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.04	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-18.28	
For Class 51, Add	37.65	
For Class 52, Add	81.32	
For Class 53, Add	146.90	
For Class 54, Add	209.73	
For Class 55, Add	240.92	
For Class 56, Add	271.54	
33 14 13 13-0017 LF 42", Class 50, Mechanical Joint Ductile Iron Pipe.....	448.40	69.32
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	106.72	
For Cement Mortar Lining (CML), Add	34.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	61.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.82	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-22.42	
For Class 51, Add	48.22	
For Class 52, Add	104.19	
For Class 53, Add	188.39	
For Class 54, Add	269.05	
For Class 55, Add	308.94	
For Class 56, Add	348.11	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0018 LF 48", Class 50, Mechanical Joint Ductile Iron Pipe.....	548.73	73.24
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	136.03	
For Cement Mortar Lining (CML), Add	43.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	78.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.91	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-27.44	
For Class 51, Add	61.18	
For Class 52, Add	132.24	
For Class 53, Add	239.28	
For Class 54, Add	341.79	
For Class 55, Add	392.36	
For Class 56, Add	442.00	
33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0020 EA 3" Mechanical Joint Ductile Iron 90 Degree Elbow.....	168.73	43.26
For Cement Mortar Lining (CML), Add	10.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	18.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow.....	190.60	51.70
For Cement Mortar Lining (CML), Add	11.23	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	20.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow.....	299.28	76.40
For Cement Mortar Lining (CML), Add	18.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	33.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow.....	404.41	90.62
For Cement Mortar Lining (CML), Add	26.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	48.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow.....	578.73	101.59
For Cement Mortar Lining (CML), Add	42.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	76.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow.....	752.50	119.18
For Cement Mortar Lining (CML), Add	57.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	102.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.90	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026 EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,159.88	133.64
For Cement Mortar Lining (CML), Add	95.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	172.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027 EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,531.73	152.74
For Cement Mortar Lining (CML), Add	130.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	234.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,889.77	213.83
For Cement Mortar Lining (CML), Add	156.58	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	281.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.44	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	
	Water Utilities	33 10	33
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0029 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,588.33 218.34 393.01 163.75	267.29
33 14 13 13-0030 EA 24" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,798.48 325.91 586.64 244.43	355.92
33 14 13 13-0031 EA 30" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,808.61 523.01 941.41 392.25	381.85
33 14 13 13-0032 EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,777.19 817.66 1,471.79 613.25	396.42
33 14 13 13-0033 EA 42" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,715.44 1,402.12 2,523.81 1,051.59	458.21
33 14 13 13-0034 EA 48" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,434.50 1,869.59 3,365.27 1,402.19	487.49
33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0036 EA 3" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	158.10 9.26 16.66 6.94	43.26
33 14 13 13-0037 EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	170.87 9.26 16.66 6.94	51.70
33 14 13 13-0038 EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	264.38 14.87 26.76 11.15	76.40
33 14 13 13-0039 EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	354.34 21.70 39.05 16.27	90.62
33 14 13 13-0040 EA 10" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	471.00 31.71 57.08 23.78	101.59
33 14 13 13-0041 EA 12" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	653.88 47.34 85.21 35.50	119.18

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0042 EA 14" Mechanical Joint Ductile Iron 45 Degree Elbow.....	947.46	133.64
For Cement Mortar Lining (CML), Add	74.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	134.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043 EA 16" Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,160.00	152.74
For Cement Mortar Lining (CML), Add	92.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	167.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	69.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044 EA 18" Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,656.11	213.83
For Cement Mortar Lining (CML), Add	133.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	239.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045 EA 20" Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,828.17	267.29
For Cement Mortar Lining (CML), Add	142.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	256.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046 EA 24" Mechanical Joint Ductile Iron 45 Degree Elbow.....	2,701.48	355.92
For Cement Mortar Lining (CML), Add	216.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	389.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	162.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047 EA 30" Mechanical Joint Ductile Iron 45 Degree Elbow.....	4,971.08	381.85
For Cement Mortar Lining (CML), Add	439.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	790.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	329.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048 EA 36" Mechanical Joint Ductile Iron 45 Degree Elbow.....	7,023.22	396.42
For Cement Mortar Lining (CML), Add	642.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,156.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	481.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049 EA 42" Mechanical Joint Ductile Iron 45 Degree Elbow.....	10,562.65	458.21
For Cement Mortar Lining (CML), Add	986.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,776.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	740.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050 EA 48" Mechanical Joint Ductile Iron 45 Degree Elbow.....	13,670.36	487.49
For Cement Mortar Lining (CML), Add	1,293.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,327.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	969.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0051 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0052 EA 3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	138.38	43.26
For Cement Mortar Lining (CML), Add	7.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	13.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.46	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053 EA 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	166.32	51.70
For Cement Mortar Lining (CML), Add	8.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054 EA 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	252.25	76.40
For Cement Mortar Lining (CML), Add	13.66	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	24.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.24	
Note: ANSI/AWWA C151/A21.51		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0055	EA 8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	349.79 21.24 38.24 15.93	90.62
33 14 13 13-0056	EA 10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	469.48 31.56 56.81 23.67	101.59
33 14 13 13-0057	EA 12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	594.71 41.42 74.56 31.07	119.18
33 14 13 13-0058	EA 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	956.57 75.41 135.74 56.56	133.64
33 14 13 13-0059	EA 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	1,122.06 89.06 160.32 66.80	152.74
33 14 13 13-0060	EA 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	1,417.90 109.40 196.91 82.05	213.83
33 14 13 13-0061	EA 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	1,891.89 148.69 267.65 111.52	267.29
33 14 13 13-0062	EA 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	2,534.58 199.52 359.14 149.64	355.92
33 14 13 13-0063	EA 30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	4,259.47 368.09 662.57 276.07	381.85
33 14 13 13-0064	EA 36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	5,996.02 539.55 971.18 404.66	396.42
33 14 13 13-0065	EA 42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	8,840.54 814.63 1,466.33 610.97	458.21
33 14 13 13-0066	EA 48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	11,345.88 1,060.73 1,909.31 795.55	487.49

33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0002)

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0068 EA 3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	138.38	43.26
For Cement Mortar Lining (CML), Add	7.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	13.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.46	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069 EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	161.77	51.70
For Cement Mortar Lining (CML), Add	8.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070 EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	256.80	76.40
For Cement Mortar Lining (CML), Add	14.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	25.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071 EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	330.06	90.62
For Cement Mortar Lining (CML), Add	19.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	34.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.45	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072 EA 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	466.45	101.59
For Cement Mortar Lining (CML), Add	31.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	56.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073 EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	568.91	119.18
For Cement Mortar Lining (CML), Add	38.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	69.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074 EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,062.78	133.64
For Cement Mortar Lining (CML), Add	86.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	154.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075 EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,173.65	152.74
For Cement Mortar Lining (CML), Add	94.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	169.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	70.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076 EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,706.18	213.83
For Cement Mortar Lining (CML), Add	138.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	248.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	103.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077 EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,805.41	267.29
For Cement Mortar Lining (CML), Add	140.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	252.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	105.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078 EA 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,407.13	355.92
For Cement Mortar Lining (CML), Add	186.78	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	336.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	140.08	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079 EA 30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,326.23	381.85
For Cement Mortar Lining (CML), Add	374.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	674.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	281.08	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	
	Water Utilities	33 10	33
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0080 EA 36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,722.91 512.23 922.02 384.18	396.42
33 14 13 13-0081 EA 42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,468.80 777.45 1,399.42 583.09	458.21
33 14 13 13-0082 EA 48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,273.06 1,053.45 1,896.21 790.09	487.49
33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0084 EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	173.28 10.77 19.39 8.08	43.26
33 14 13 13-0085 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	211.84 13.35 24.03 10.01	51.70
33 14 13 13-0086 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	337.21 22.15 39.87 16.61	76.40
33 14 13 13-0087 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	454.48 31.71 57.08 23.78	90.62
33 14 13 13-0088 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	651.56 49.77 89.58 37.33	101.59
33 14 13 13-0089 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	831.40 65.09 117.16 48.82	119.18
33 14 13 13-0090 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,413.27 121.08 217.94 90.81	133.64
33 14 13 13-0091 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,149.26 191.78 345.21 143.84	152.74

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0092 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	2,502.75	213.83
For Cement Mortar Lining (CML), Add	217.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	392.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	163.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	3,395.52	267.29
For Cement Mortar Lining (CML), Add	299.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	538.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	224.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	4,132.28	355.92
For Cement Mortar Lining (CML), Add	359.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	646.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	269.47	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	7,653.63	381.85
For Cement Mortar Lining (CML), Add	707.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,273.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	530.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	13,638.56	396.42
For Cement Mortar Lining (CML), Add	1,303.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,346.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	977.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0097 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0092)</small>		
33 14 13 13-0098 EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	159.62	43.26
For Cement Mortar Lining (CML), Add	9.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	16.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	175.43	51.70
For Cement Mortar Lining (CML), Add	9.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	281.07	76.40
For Cement Mortar Lining (CML), Add	16.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	29.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	402.89	90.62
For Cement Mortar Lining (CML), Add	26.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	47.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	548.38	101.59
For Cement Mortar Lining (CML), Add	39.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	71.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	741.88	119.18
For Cement Mortar Lining (CML), Add	56.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	101.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.10	
Note: ANSI/AWWA C151/A21.51		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,253.96 105.15 189.27 78.86	133.64
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,898.91 166.75 300.15 125.06	152.74
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,249.37 192.54 346.58 144.41	213.83
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,919.09 251.41 452.54 188.56	267.29
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,672.54 313.32 563.97 234.99	355.92
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,732.64 615.41 1,107.74 461.56	381.85
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,943.76 1,134.32 2,041.77 850.74	396.42
33 14 13 13-0111		Mechanical Joint Ductile Iron Tee (33 14 13 13-0002)		
33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	274.33 17.60 31.68 13.20	64.90
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	285.90 17.60 31.68 13.20	72.54
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	262.87 14.72 26.49 11.04	76.40
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	349.13 20.33 36.60 15.25	96.24
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	399.15 24.73 44.52 18.55	100.22

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0117 EA 6" x 6" Mechanical Joint Ductile Iron Tee.....	435.42	112.19
For Cement Mortar Lining (CML), Add	26.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	47.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118 EA 8" x 4" Mechanical Joint Ductile Iron Tee.....	462.72	116.13
For Cement Mortar Lining (CML), Add	28.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	51.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119 EA 8" x 6" Mechanical Joint Ductile Iron Tee.....	524.79	128.06
For Cement Mortar Lining (CML), Add	33.08	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	59.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120 EA 8" x 8" Mechanical Joint Ductile Iron Tee.....	605.13	136.05
For Cement Mortar Lining (CML), Add	39.90	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	71.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121 EA 10" x 4" Mechanical Joint Ductile Iron Tee.....	631.31	126.26
For Cement Mortar Lining (CML), Add	44.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	79.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.00	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122 EA 10" x 6" Mechanical Joint Ductile Iron Tee.....	635.02	137.72
For Cement Mortar Lining (CML), Add	42.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	76.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123 EA 10" x 8" Mechanical Joint Ductile Iron Tee.....	719.43	145.36
For Cement Mortar Lining (CML), Add	49.92	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	89.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124 EA 10" x 10" Mechanical Joint Ductile Iron Tee.....	801.92	152.74
For Cement Mortar Lining (CML), Add	57.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	102.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125 EA 12" x 4" Mechanical Joint Ductile Iron Tee.....	753.07	141.54
For Cement Mortar Lining (CML), Add	53.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	96.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126 EA 12" x 6" Mechanical Joint Ductile Iron Tee.....	853.87	152.99
For Cement Mortar Lining (CML), Add	62.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	111.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127 EA 12" x 8" Mechanical Joint Ductile Iron Tee.....	1,042.98	160.63
For Cement Mortar Lining (CML), Add	79.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	143.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	59.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128 EA 12" x 10" Mechanical Joint Ductile Iron Tee.....	1,116.37	168.01
For Cement Mortar Lining (CML), Add	86.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	155.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.64	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	CS
	Water Utilities	33 10	
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0129 EA 12" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,062.70 79.66 143.38 59.74	175.65
33 14 13 13-0130 EA 14" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,131.91 86.18 155.13 64.64	178.27
33 14 13 13-0131 EA 14" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,257.29 97.56 175.61 73.17	185.91
33 14 13 13-0132 EA 14" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,596.19 130.33 234.60 97.75	193.28
33 14 13 13-0133 EA 14" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,704.87 140.05 252.08 105.03	200.92
33 14 13 13-0134 EA 14" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,649.67 132.61 238.70 99.46	213.60
33 14 13 13-0135 EA 16" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,436.04 111.22 200.19 83.41	213.82
33 14 13 13-0136 EA 16" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,543.31 120.78 217.40 90.58	221.47
33 14 13 13-0137 EA 16" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,791.19 144.45 260.00 108.33	228.84
33 14 13 13-0138 EA 16" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,957.52 159.92 287.86 119.94	236.48
33 14 13 13-0139 EA 16" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,348.41 197.10 354.77 147.82	249.12
33 14 13 13-0140 EA 16" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,226.64 182.23 328.01 136.67	266.95

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0141 EA 18" x 6" Mechanical Joint Ductile Iron Tee.....	1,989.56	273.65
For Cement Mortar Lining (CML), Add	157.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	283.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	118.12	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142 EA 18" x 8" Mechanical Joint Ductile Iron Tee.....	2,131.63	281.29
For Cement Mortar Lining (CML), Add	170.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	306.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	127.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143 EA 18" x 10" Mechanical Joint Ductile Iron Tee.....	2,303.64	288.67
For Cement Mortar Lining (CML), Add	186.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	335.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	139.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144 EA 18" x 12" Mechanical Joint Ductile Iron Tee.....	2,474.53	296.31
For Cement Mortar Lining (CML), Add	202.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	364.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	151.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0145 EA 18" x 14" Mechanical Joint Ductile Iron Tee.....	2,546.78	308.95
For Cement Mortar Lining (CML), Add	207.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	374.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	155.90	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146 EA 18" x 16" Mechanical Joint Ductile Iron Tee.....	2,717.86	326.73
For Cement Mortar Lining (CML), Add	222.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	400.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	166.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147 EA 18" x 18" Mechanical Joint Ductile Iron Tee.....	3,177.40	356.62
For Cement Mortar Lining (CML), Add	263.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	474.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	197.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148 EA 20" x 6" Mechanical Joint Ductile Iron Tee.....	2,366.75	392.42
For Cement Mortar Lining (CML), Add	177.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	318.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	132.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0149 EA 20" x 8" Mechanical Joint Ductile Iron Tee.....	2,417.79	400.07
For Cement Mortar Lining (CML), Add	181.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	326.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	135.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150 EA 20" x 10" Mechanical Joint Ductile Iron Tee.....	2,627.74	407.44
For Cement Mortar Lining (CML), Add	201.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	361.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0151 EA 20" x 12" Mechanical Joint Ductile Iron Tee.....	2,836.55	415.08
For Cement Mortar Lining (CML), Add	220.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	397.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	165.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152 EA 20" x 14" Mechanical Joint Ductile Iron Tee.....	2,872.39	427.71
For Cement Mortar Lining (CML), Add	222.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	400.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	166.82	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	
	Water Utilities	33 10	33
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0153 EA 20" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,917.54 224.25 403.66 168.19	445.50
33 14 13 13-0154 EA 20" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,648.67 292.84 527.10 219.63	475.40
33 14 13 13-0155 EA 20" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,240.98 243.07 437.52 182.30	534.81
33 14 13 13-0156 EA 24" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,905.75 213.18 383.72 159.88	510.83
33 14 13 13-0157 EA 24" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,944.64 215.91 388.64 161.93	519.20
33 14 13 13-0158 EA 24" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,235.01 243.83 438.89 182.87	525.85
33 14 13 13-0159 EA 24" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,314.85 250.66 451.18 187.99	533.48
33 14 13 13-0160 EA 24" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,719.39 289.19 520.55 216.90	546.12
33 14 13 13-0161 EA 24" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,011.85 315.75 568.34 236.81	563.89
33 14 13 13-0162 EA 24" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,548.77 364.91 656.83 273.68	593.82
33 14 13 13-0163 EA 24" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,040.84 405.11 729.21 303.84	653.20
33 14 13 13-0164 EA 24" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,687.48 360.81 649.46 270.61	712.43

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0165 EA 30" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,983.90 407.09 732.75 305.31	602.61
33 14 13 13-0166 EA 30" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,245.43 432.12 777.82 324.09	609.98
33 14 13 13-0167 EA 30" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,507.35 457.16 822.88 342.87	617.62
33 14 13 13-0168 EA 30" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,881.54 492.66 886.79 369.50	630.26
33 14 13 13-0169 EA 30" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,287.81 530.59 955.07 397.94	838.56
33 14 13 13-0170 EA 30" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,460.58 543.34 978.01 407.50	677.94
33 14 13 13-0171 EA 30" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,728.07 561.09 1,009.96 420.82	737.34
33 14 13 13-0172 EA 30" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,074.19 586.73 1,056.12 440.05	796.54
33 14 13 13-0173 EA 30" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,834.25 756.36 1,361.46 567.27	838.56
33 14 13 13-0174 EA 30" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,202.94 430.15 774.27 322.61	594.96
33 14 13 13-0175 EA 36" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,077.55 506.47 911.64 379.85	668.48
33 14 13 13-0176 EA 36" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,747.22 572.32 1,030.17 429.24	675.86



	Utilities	33	
	Water Utilities	33 10	33
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0177 EA 36" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,110.80 607.52 1,093.53 455.64	683.50
33 14 13 13-0178 EA 36" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,374.23 631.95 1,137.50 473.96	696.14
33 14 13 13-0179 EA 36" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,642.41 656.07 1,180.93 492.05	713.92
33 14 13 13-0180 EA 36" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,155.07 702.80 1,265.05 527.10	743.84
33 14 13 13-0181 EA 36" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,713.88 749.69 1,349.44 562.27	803.22
33 14 13 13-0182 EA 36" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,635.05 832.84 1,499.10 624.63	862.42
33 14 13 13-0183 EA 36" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,641.02 927.06 1,668.70 695.29	937.49
33 14 13 13-0184 EA 36" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,397.86 1,097.75 1,975.95 823.31	937.49
33 14 13 13-0185 EA 42" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,860.83 1,276.94 2,298.50 957.71	720.32
33 14 13 13-0186 EA 42" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,137.93 1,302.74 2,344.93 977.05	732.97
33 14 13 13-0187 EA 42" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,698.83 1,456.13 2,621.04 1,092.10	750.74
33 14 13 13-0188 EA 42" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,697.23 1,351.44 2,432.59 1,013.58	780.65

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0189 EA 42" x 20" Mechanical Joint Ductile Iron Tee.....	14,787.21	840.05
For Cement Mortar Lining (CML), Add	1,351.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,432.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,013.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190 EA 42" x 24" Mechanical Joint Ductile Iron Tee.....	15,124.22	899.25
For Cement Mortar Lining (CML), Add	1,376.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,477.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,032.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191 EA 42" x 30" Mechanical Joint Ductile Iron Tee.....	18,307.50	941.32
For Cement Mortar Lining (CML), Add	1,688.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,038.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,266.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192 EA 42" x 36" Mechanical Joint Ductile Iron Tee.....	19,065.97	974.26
For Cement Mortar Lining (CML), Add	1,758.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,166.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,319.24	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0193 EA 42" x 42" Mechanical Joint Ductile Iron Tee.....	20,160.51	992.68
For Cement Mortar Lining (CML), Add	1,865.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,358.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,399.24	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194 EA 48" x 12" Mechanical Joint Ductile Iron Tee.....	16,315.19	779.01
For Cement Mortar Lining (CML), Add	1,513.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,724.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,135.12	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0195 EA 48" x 14" Mechanical Joint Ductile Iron Tee.....	16,607.45	791.65
For Cement Mortar Lining (CML), Add	1,540.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,773.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,155.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196 EA 48" x 16" Mechanical Joint Ductile Iron Tee.....	17,021.28	809.43
For Cement Mortar Lining (CML), Add	1,579.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,843.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,184.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0197 EA 48" x 18" Mechanical Joint Ductile Iron Tee.....	17,452.00	839.34
For Cement Mortar Lining (CML), Add	1,618.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,912.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,213.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198 EA 48" x 20" Mechanical Joint Ductile Iron Tee.....	17,928.89	898.73
For Cement Mortar Lining (CML), Add	1,656.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,982.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,242.54	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0199 EA 48" x 24" Mechanical Joint Ductile Iron Tee.....	18,070.18	957.92
For Cement Mortar Lining (CML), Add	1,661.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,991.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,246.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200 EA 48" x 30" Mechanical Joint Ductile Iron Tee.....	21,955.95	1,000.00
For Cement Mortar Lining (CML), Add	2,044.08	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,679.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,533.06	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0201 EA 48" x 36" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	25,010.07 2,344.50 4,220.10 1,758.38	1,032.94
33 14 13 13-0202 EA 48" x 42" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	26,227.51 2,463.46 4,434.22 1,847.59	1,051.35
33 14 13 13-0203 EA 48" x 48" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	26,667.98 2,503.06 4,505.50 1,877.29	1,080.74
33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0002)		
33 14 13 13-0205 EA 4" x 3" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	238.87 12.90 23.21 9.67	72.54
33 14 13 13-0206 EA 4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	356.94 24.13 43.43 18.09	76.36
33 14 13 13-0207 EA 6" x 3" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	349.13 20.33 36.60 15.25	96.24
33 14 13 13-0208 EA 6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	400.66 24.88 44.79 18.66	100.22
33 14 13 13-0209 EA 6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	534.05 36.42 65.55 27.31	112.13
33 14 13 13-0210 EA 8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	678.17 50.22 90.40 37.67	116.13
33 14 13 13-0211 EA 8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	614.31 42.03 75.65 31.52	128.06
33 14 13 13-0212 EA 8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	737.14 53.11 95.59 39.83	136.01
33 14 13 13-0213 EA 10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,036.42 84.51 152.12 63.38	126.26

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0214 EA 10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,097.79	137.72
For Cement Mortar Lining (CML), Add	88.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	160.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	66.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215 EA 10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,258.06	145.36
For Cement Mortar Lining (CML), Add	103.78	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	186.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	77.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216 EA 10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,413.38	152.74
For Cement Mortar Lining (CML), Add	118.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	212.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	88.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217 EA 12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,317.50	141.54
For Cement Mortar Lining (CML), Add	110.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	198.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218 EA 12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,488.10	152.99
For Cement Mortar Lining (CML), Add	125.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	226.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219 EA 12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,786.44	160.63
For Cement Mortar Lining (CML), Add	154.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	277.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	115.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220 EA 12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,838.59	168.01
For Cement Mortar Lining (CML), Add	158.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	285.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	118.80	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221 EA 12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,672.65	175.64
For Cement Mortar Lining (CML), Add	140.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	253.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	105.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222 EA 14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,963.37	178.27
For Cement Mortar Lining (CML), Add	169.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	304.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	127.00	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223 EA 14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,242.01	185.91
For Cement Mortar Lining (CML), Add	196.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	352.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	147.02	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224 EA 14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,913.19	193.28
For Cement Mortar Lining (CML), Add	262.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	471.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	196.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225 EA 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,118.97	200.92
For Cement Mortar Lining (CML), Add	281.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	506.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	211.09	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,053.16 272.96 491.33 204.72	213.56
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,026.37 170.24 306.43 127.68	213.82
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,226.09 189.05 340.30 141.79	221.47
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,615.07 226.83 408.30 170.12	228.84
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,919.48 256.12 461.01 192.09	236.48
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,639.61 326.22 587.19 244.66	249.12
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,517.85 311.35 560.42 233.51	266.90
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,171.52 275.69 496.24 206.77	273.65
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,410.70 298.45 537.21 223.84	281.29
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,641.89 320.45 576.81 240.34	288.67
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,893.19 344.42 619.96 258.32	296.31
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,939.65 347.15 624.88 260.37	308.95

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0238 EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	3,984.78	326.73
For Cement Mortar Lining (CML), Add	348.97	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	628.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	261.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239 EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	3,662.93	356.64
For Cement Mortar Lining (CML), Add	312.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	562.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	234.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240 EA 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,783.89	392.42
For Cement Mortar Lining (CML), Add	318.93	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	574.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	239.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241 EA 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	3,866.79	400.07
For Cement Mortar Lining (CML), Add	326.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	586.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	244.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242 EA 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,236.05	407.44
For Cement Mortar Lining (CML), Add	361.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	651.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	271.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243 EA 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,602.67	415.08
For Cement Mortar Lining (CML), Add	397.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	715.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	298.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244 EA 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,652.16	427.71
For Cement Mortar Lining (CML), Add	400.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	720.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	300.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245 EA 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,710.96	445.50
For Cement Mortar Lining (CML), Add	403.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	726.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	302.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246 EA 20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	5,445.13	475.40
For Cement Mortar Lining (CML), Add	472.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	850.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	354.36	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247 EA 20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	5,186.14	534.79
For Cement Mortar Lining (CML), Add	437.58	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	787.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	328.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248 EA 24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,611.17	510.83
For Cement Mortar Lining (CML), Add	383.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	690.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	287.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249 EA 24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,671.30	518.46
For Cement Mortar Lining (CML), Add	388.58	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	699.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	291.43	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0250 EA 24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	5,184.71	525.85
For Cement Mortar Lining (CML), Add	438.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	789.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	329.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251 EA 24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,420.83	533.48
For Cement Mortar Lining (CML), Add	461.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	830.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	345.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252 EA 24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	6,235.04	546.12
For Cement Mortar Lining (CML), Add	540.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	973.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	405.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253 EA 24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	6,912.89	563.89
For Cement Mortar Lining (CML), Add	605.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,090.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	454.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0254 EA 24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	7,722.92	593.82
For Cement Mortar Lining (CML), Add	682.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,228.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	511.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255 EA 24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	8,485.06	653.20
For Cement Mortar Lining (CML), Add	749.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,349.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	562.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256 EA 24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	7,573.36	712.39
For Cement Mortar Lining (CML), Add	649.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,168.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	487.05	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257 EA 30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	9,366.36	594.96
For Cement Mortar Lining (CML), Add	846.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,523.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	634.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258 EA 30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	10,479.49	602.61
For Cement Mortar Lining (CML), Add	956.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,721.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	717.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259 EA 30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	11,079.38	609.98
For Cement Mortar Lining (CML), Add	1,015.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,827.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	761.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260 EA 30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	11,679.65	617.62
For Cement Mortar Lining (CML), Add	1,074.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,933.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	805.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261 EA 30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	12,531.78	630.26
For Cement Mortar Lining (CML), Add	1,157.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,083.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	868.26	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0262 EA 30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	13,450.89	648.04
For Cement Mortar Lining (CML), Add	1,246.90	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,244.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	935.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263 EA 30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	13,795.11	677.94
For Cement Mortar Lining (CML), Add	1,276.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,298.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	957.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264 EA 30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	14,302.33	737.34
For Cement Mortar Lining (CML), Add	1,318.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,373.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	988.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265 EA 30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	14,994.39	796.54
For Cement Mortar Lining (CML), Add	1,378.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,481.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,034.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266 EA 30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	16,243.14	838.61
For Cement Mortar Lining (CML), Add	1,497.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,695.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,122.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267 EA 36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	17,742.38	683.50
For Cement Mortar Lining (CML), Add	1,670.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,007.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,253.01	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268 EA 36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	18,433.69	696.14
For Cement Mortar Lining (CML), Add	1,737.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,128.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,303.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269 EA 36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	19,123.67	713.92
For Cement Mortar Lining (CML), Add	1,804.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,247.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,353.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270 EA 36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	20,454.14	743.84
For Cement Mortar Lining (CML), Add	1,932.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,478.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,449.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271 EA 36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	21,833.80	803.22
For Cement Mortar Lining (CML), Add	2,061.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,711.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,546.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272 EA 36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	24,210.04	862.42
For Cement Mortar Lining (CML), Add	2,290.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,122.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,717.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273 EA 36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	27,100.47	904.49
For Cement Mortar Lining (CML), Add	2,573.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,631.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,929.75	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	
	Water Utilities	33 10	33
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0274 EA 36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,295.48 3,087.51 5,557.52 2,315.63	937.43
33 14 13 13-0275 EA 42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,423.01 2,715.02 4,887.04 2,036.27	840.05
33 14 13 13-0276 EA 42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,145.40 2,778.29 5,000.92 2,083.72	899.25
33 14 13 13-0277 EA 42" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,127.00 2,970.08 5,346.14 2,227.56	941.32
33 14 13 13-0278 EA 42" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	35,561.84 3,408.57 6,135.43 2,556.43	974.26
33 14 13 13-0279 EA 42" x 42" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	41,892.52 4,038.85 7,269.93 3,029.14	992.67
33 14 13 13-0280 EA 48" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,062.80 2,670.11 4,806.20 2,002.58	898.73
33 14 13 13-0281 EA 48" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,763.63 3,031.22 5,456.20 2,273.42	957.92
33 14 13 13-0282 EA 48" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	33,846.87 3,233.17 5,819.71 2,424.88	1,000.00
33 14 13 13-0283 EA 48" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	38,547.24 3,698.22 6,656.79 2,773.66	1,032.94
33 14 13 13-0284 EA 48" x 42" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	50,303.71 4,871.08 8,767.94 3,653.31	1,051.35
33 14 13 13-0285 EA 48" x 48" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	55,203.46 5,356.61 9,641.89 4,017.45	1,080.69

33 14 13 13-0286 Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0287 EA 3" x 3" Mechanical Joint Ductile Iron Cross.....	326.84	86.54
For Cement Mortar Lining (CML), Add	19.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	35.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0288 EA 4" x 3" Mechanical Joint Ductile Iron Cross.....	393.03	94.16
For Cement Mortar Lining (CML), Add	25.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	45.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0289 EA 4" x 4" Mechanical Joint Ductile Iron Cross.....	461.73	95.44
For Cement Mortar Lining (CML), Add	31.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	57.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0290 EA 6" x 3" Mechanical Joint Ductile Iron Cross.....	552.08	117.97
For Cement Mortar Lining (CML), Add	37.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	67.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.99	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0291 EA 6" x 4" Mechanical Joint Ductile Iron Cross.....	538.75	127.25
For Cement Mortar Lining (CML), Add	34.59	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	62.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.95	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0292 EA 6" x 6" Mechanical Joint Ductile Iron Cross.....	629.43	159.07
For Cement Mortar Lining (CML), Add	38.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	69.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0293 EA 8" x 4" Mechanical Joint Ductile Iron Cross.....	555.33	139.20
For Cement Mortar Lining (CML), Add	34.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	62.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.83	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0294 EA 8" x 6" Mechanical Joint Ductile Iron Cross.....	661.18	171.01
For Cement Mortar Lining (CML), Add	40.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	72.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0295 EA 8" x 8" Mechanical Joint Ductile Iron Cross.....	700.52	182.93
For Cement Mortar Lining (CML), Add	42.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	76.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0296 EA 10" x 4" Mechanical Joint Ductile Iron Cross.....	672.85	147.67
For Cement Mortar Lining (CML), Add	44.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	80.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0297 EA 10" x 6" Mechanical Joint Ductile Iron Cross.....	773.77	178.22
For Cement Mortar Lining (CML), Add	50.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	90.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0298 EA 10" x 8" Mechanical Joint Ductile Iron Cross.....	912.51	189.68
For Cement Mortar Lining (CML), Add	62.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	112.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.88	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	
	Water Utilities	33 10	33
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0299 EA 10" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	986.84 67.82 122.08 50.87	203.65
33 14 13 13-0300 EA 12 x 4" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	810.45 56.75 102.14 42.56	160.38
33 14 13 13-0301 EA 12" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	943.23 65.40 117.71 49.05	190.92
33 14 13 13-0302 EA 12" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,338.40 103.18 185.72 77.38	202.39
33 14 13 13-0303 EA 12" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,359.62 103.18 185.72 77.38	216.41
33 14 13 13-0304 EA 12" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,538.19 119.11 214.39 89.33	229.11
33 14 13 13-0305 EA 14" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,568.44 125.02 225.04 93.77	210.00
33 14 13 13-0306 EA 14" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,837.67 150.21 270.38 112.66	221.47
33 14 13 13-0307 EA 14" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,889.24 153.25 275.84 114.93	235.48
33 14 13 13-0308 EA 14" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,993.47 161.74 291.14 121.31	248.19
33 14 13 13-0309 EA 14" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,202.94 179.80 323.64 134.85	267.29
33 14 13 13-0310 EA 16" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,792.50 143.38 258.09 107.54	236.72

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0311 EA 16" x 8" Mechanical Joint Ductile Iron Cross.....	2,032.91	248.19
For Cement Mortar Lining (CML), Add	165.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	298.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	124.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312 EA 16" x 10" Mechanical Joint Ductile Iron Cross.....	2,422.20	262.19
For Cement Mortar Lining (CML), Add	202.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	364.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	151.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313 EA 16" x 12" Mechanical Joint Ductile Iron Cross.....	2,693.96	274.90
For Cement Mortar Lining (CML), Add	227.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	409.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	170.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314 EA 16" x 14" Mechanical Joint Ductile Iron Cross.....	3,241.79	293.99
For Cement Mortar Lining (CML), Add	279.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	503.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	209.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315 EA 16" x 16" Mechanical Joint Ductile Iron Cross.....	3,787.51	320.75
For Cement Mortar Lining (CML), Add	330.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	594.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	247.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316 EA 18" x 6" Mechanical Joint Ductile Iron Cross.....	2,929.13	279.91
For Cement Mortar Lining (CML), Add	250.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	450.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	187.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317 EA 18" x 8" Mechanical Joint Ductile Iron Cross.....	3,095.20	291.38
For Cement Mortar Lining (CML), Add	265.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	477.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	199.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318 EA 18" x 10" Mechanical Joint Ductile Iron Cross.....	3,240.84	305.38
For Cement Mortar Lining (CML), Add	277.81	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	500.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	208.36	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319 EA 18" x 12" Mechanical Joint Ductile Iron Cross.....	3,508.93	318.10
For Cement Mortar Lining (CML), Add	302.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	544.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	227.02	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320 EA 18" x 14" Mechanical Joint Ductile Iron Cross.....	4,082.55	337.18
For Cement Mortar Lining (CML), Add	357.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	642.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	267.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321 EA 18" x 16" Mechanical Joint Ductile Iron Cross.....	4,347.58	363.88
For Cement Mortar Lining (CML), Add	379.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	683.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	284.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322 EA 18" x 18" Mechanical Joint Ductile Iron Cross.....	4,561.73	407.07
For Cement Mortar Lining (CML), Add	394.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	710.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	295.87	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0323 EA 20" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,682.01 314.99 566.98 236.24	351.20
33 14 13 13-0324 EA 20" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,849.59 330.01 594.01 247.51	362.67
33 14 13 13-0325 EA 20" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,969.44 339.87 611.77 254.90	376.68
33 14 13 13-0326 EA 20" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,236.02 364.60 656.28 273.45	389.39
33 14 13 13-0327 EA 20" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,314.99 369.61 665.30 277.21	408.48
33 14 13 13-0328 EA 20" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,199.08 453.97 817.15 340.48	435.18
33 14 13 13-0329 EA 20" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,413.23 468.84 843.91 351.63	478.39
33 14 13 13-0330 EA 20" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,868.70 503.59 906.45 377.69	549.63
33 14 13 13-0331 EA 24" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,006.61 434.09 781.37 325.57	439.34
33 14 13 13-0332 EA 24" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,124.47 444.11 799.39 333.08	450.81
33 14 13 13-0333 EA 24" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,318.31 461.41 830.53 346.05	464.81
33 14 13 13-0334 EA 24" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,486.27 476.27 857.29 357.21	477.52

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0335 EA 24" x 14" Mechanical Joint Ductile Iron Cross.....	5,589.53	496.61
For Cement Mortar Lining (CML), Add	483.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	870.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	362.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336 EA 24" x 16" Mechanical Joint Ductile Iron Cross.....	5,804.48	523.33
For Cement Mortar Lining (CML), Add	501.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	902.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	375.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337 EA 24" x 18" Mechanical Joint Ductile Iron Cross.....	7,631.49	566.51
For Cement Mortar Lining (CML), Add	677.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,219.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	507.99	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338 EA 24" x 20" Mechanical Joint Ductile Iron Cross.....	8,061.18	637.81
For Cement Mortar Lining (CML), Add	709.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,277.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	532.11	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339 EA 24" x 24" Mechanical Joint Ductile Iron Cross.....	8,889.63	725.97
For Cement Mortar Lining (CML), Add	778.97	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,402.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	584.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340 EA 30" x 8" Mechanical Joint Ductile Iron Cross.....	9,489.60	584.17
For Cement Mortar Lining (CML), Add	860.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,548.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	645.34	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341 EA 30" x 10" Mechanical Joint Ductile Iron Cross.....	9,679.24	598.18
For Cement Mortar Lining (CML), Add	877.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,579.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	657.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342 EA 30" x 12" Mechanical Joint Ductile Iron Cross.....	9,865.40	610.88
For Cement Mortar Lining (CML), Add	893.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,609.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	670.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343 EA 30" x 14" Mechanical Joint Ductile Iron Cross.....	10,087.01	629.97
For Cement Mortar Lining (CML), Add	913.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,643.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	684.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344 EA 30" x 16" Mechanical Joint Ductile Iron Cross.....	10,342.94	656.69
For Cement Mortar Lining (CML), Add	934.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,682.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	701.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345 EA 30" x 18" Mechanical Joint Ductile Iron Cross.....	10,648.10	699.88
For Cement Mortar Lining (CML), Add	958.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,725.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	719.08	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346 EA 30" x 20" Mechanical Joint Ductile Iron Cross.....	11,042.90	771.18
For Cement Mortar Lining (CML), Add	987.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,777.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	740.58	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	
	Water Utilities	33 10	33
	Water Utility Transmission and Distribution	33 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0347	EA	30" x 24" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	14,151.82 1,284.98 2,312.97 963.74	859.30
33 14 13	13-0348	EA	30" x 30" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,274.76 1,477.07 2,658.73 1,107.80	992.68
33 14 13	13-0349	EA	36" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,184.31 1,222.47 2,200.45 916.85	633.33
33 14 13	13-0350	EA	36" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,372.44 1,239.16 2,230.49 929.37	647.33
33 14 13	13-0351	EA	36" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,534.33 1,253.43 2,256.17 940.07	660.04
33 14 13	13-0352	EA	36" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,730.13 1,270.12 2,286.21 952.59	679.13
33 14 13	13-0353	EA	36" x 16" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,961.79 1,289.23 2,320.62 966.92	705.84
33 14 13	13-0354	EA	36" x 18" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	14,241.17 1,310.63 2,359.13 982.97	749.03
33 14 13	13-0355	EA	36" x 20" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	14,611.68 1,336.88 2,406.38 1,002.66	820.33
33 14 13	13-0356	EA	36" x 24" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,245.92 1,386.95 2,496.50 1,040.21	908.47
33 14 13	13-0357	EA	36" x 30" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	20,476.24 1,889.77 3,401.59 1,417.33	1,041.83
33 14 13	13-0358	EA	36" x 36" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	22,480.70 2,082.77 3,748.99 1,562.08	1,091.04

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0359 EA 42" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,643.71 1,660.06 2,988.10 1,245.04	688.46
33 14 13 13-0360 EA 42" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,926.91 1,885.49 3,393.87 1,414.11	707.56
33 14 13 13-0361 EA 42" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,054.47 1,694.20 3,049.55 1,270.65	734.26
33 14 13 13-0362 EA 42" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,303.51 1,712.55 3,082.60 1,284.42	777.46
33 14 13 13-0363 EA 42" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,661.89 1,737.59 3,127.66 1,303.19	848.76
33 14 13 13-0364 EA 42" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,252.12 1,783.26 3,209.87 1,337.44	936.89
33 14 13 13-0365 EA 42" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,606.86 2,298.53 4,137.35 1,723.90	1,070.26
33 14 13 13-0366 EA 42" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,047.74 3,035.17 5,463.30 2,276.38	1,119.41
33 14 13 13-0367 EA 42" x 42" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	34,324.24 3,258.51 5,865.32 2,443.88	1,147.85
33 14 13 13-0368 EA 48" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,812.50 2,259.84 4,067.71 1,694.88	801.32
33 14 13 13-0369 EA 48" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,977.97 2,273.49 4,092.29 1,705.12	820.41
33 14 13 13-0370 EA 48" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,200.52 2,291.70 4,125.06 1,718.78	847.11



	Utilities	33	
	Water Utilities	33 10	33
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0371 EA 48" x 18" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	24,448.02 2,309.91 4,157.83 1,732.43	890.31
33 14 13 13-0372 EA 48" x 20" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	24,785.17 2,332.82 4,199.07 1,749.61	961.62
33 14 13 13-0373 EA 48" x 24" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	25,351.13 2,376.06 4,276.91 1,782.05	1,049.74
33 14 13 13-0374 EA 48" x 30" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	26,853.50 2,506.09 4,510.96 1,879.57	1,183.11
33 14 13 13-0375 EA 48" x 36" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	32,833.24 3,096.62 5,573.91 2,322.46	1,232.26
33 14 13 13-0376 EA 48" x 42" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	42,111.99 4,020.19 7,236.33 3,015.14	1,260.69
33 14 13 13-0377 EA 48" x 48" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	44,859.32 4,277.82 7,700.07 3,208.36	1,373.49
33 14 13 13-0378 Mechanical Joint x Mechanical Joint Ductile Iron Reducers <small>(33 14 13 13-0002)</small>		
33 14 13 13-0379 EA 4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	159.34 8.80 15.84 6.60	47.08
33 14 13 13-0380 EA 6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	186.52 9.71 17.48 7.28	59.01
33 14 13 13-0381 EA 6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	201.41 10.62 19.12 7.97	62.84
33 14 13 13-0382 EA 8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	253.03 14.57 26.22 10.92	70.80
33 14 13 13-0383 EA 8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	280.09 15.48 27.86 11.61	82.71

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0384 EA 10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	303.83	75.35
For Cement Mortar Lining (CML), Add	18.97	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	34.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385 EA 10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	331.80	86.81
For Cement Mortar Lining (CML), Add	20.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	36.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.02	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386 EA 10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	363.11	94.44
For Cement Mortar Lining (CML), Add	22.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	39.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387 EA 12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	365.46	82.98
For Cement Mortar Lining (CML), Add	23.97	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	43.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388 EA 12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	407.10	94.44
For Cement Mortar Lining (CML), Add	26.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	47.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.80	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389 EA 12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	426.26	102.08
For Cement Mortar Lining (CML), Add	27.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	48.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390 EA 12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	466.27	109.46
For Cement Mortar Lining (CML), Add	30.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	54.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391 EA 14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	747.91	107.08
For Cement Mortar Lining (CML), Add	58.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	105.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392 EA 14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	729.14	114.73
For Cement Mortar Lining (CML), Add	55.53	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	99.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393 EA 14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	658.38	122.10
For Cement Mortar Lining (CML), Add	47.34	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	85.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394 EA 14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	692.72	129.73
For Cement Mortar Lining (CML), Add	49.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	89.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395 EA 16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	878.02	124.86
For Cement Mortar Lining (CML), Add	68.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	123.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.66	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

CS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	863.81 66.31 119.35 49.73	132.50
33 14 13 13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	850.71 63.88 114.98 47.91	139.88
33 14 13 13-0398	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	921.46 69.80 125.63 52.35	147.52
33 14 13 13-0399	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,024.06 78.14 140.65 58.61	160.16
33 14 13 13-0400	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,097.28 85.12 153.21 63.84	162.41
33 14 13 13-0401	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,226.80 96.95 174.52 72.72	169.80
33 14 13 13-0402	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,186.78 91.80 165.23 68.85	177.44
33 14 13 13-0403	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,259.04 97.11 174.79 72.83	190.07
33 14 13 13-0404	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,328.46 101.35 182.44 76.02	207.85
33 14 13 13-0405	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,546.85 121.08 217.94 90.81	221.80
33 14 13 13-0406	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,488.22 114.10 205.38 85.57	229.17
33 14 13 13-0407	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,379.94 102.11 183.80 76.58	236.81

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0408 EA 20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,391.50	249.45
For Cement Mortar Lining (CML), Add	101.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	182.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	76.02	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409 EA 20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,439.67	267.23
For Cement Mortar Lining (CML), Add	103.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	186.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	77.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410 EA 20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,720.18	297.15
For Cement Mortar Lining (CML), Add	127.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	228.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	95.25	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411 EA 24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,012.82	296.01
For Cement Mortar Lining (CML), Add	156.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	281.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412 EA 24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,071.42	308.65
For Cement Mortar Lining (CML), Add	160.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	288.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413 EA 24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,119.60	326.43
For Cement Mortar Lining (CML), Add	162.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	292.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	121.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414 EA 24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,093.61	356.35
For Cement Mortar Lining (CML), Add	155.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	279.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	116.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415 EA 24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,553.81	415.74
For Cement Mortar Lining (CML), Add	192.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	346.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	144.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416 EA 30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,086.02	368.50
For Cement Mortar Lining (CML), Add	352.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	634.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	264.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417 EA 30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,270.93	398.42
For Cement Mortar Lining (CML), Add	366.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	660.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	275.05	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418 EA 30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,157.59	457.79
For Cement Mortar Lining (CML), Add	346.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	623.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	259.80	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419 EA 30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,081.91	517.01
For Cement Mortar Lining (CML), Add	329.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	593.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	247.39	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	CS
	Water Utilities	33 10	
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0420 EA 36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,110.17	490.74
For Cement Mortar Lining (CML), Add	536.66	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	965.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	402.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421 EA 36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,093.77	549.94
For Cement Mortar Lining (CML), Add	426.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	766.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	319.54	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422 EA 36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,530.76	592.01
For Cement Mortar Lining (CML), Add	463.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	834.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	347.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423 EA 42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,882.67	419.85
For Cement Mortar Lining (CML), Add	724.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,304.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	543.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424 EA 42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,861.24	449.77
For Cement Mortar Lining (CML), Add	717.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,292.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	538.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425 EA 42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,926.93	509.15
For Cement Mortar Lining (CML), Add	715.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,287.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	536.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426 EA 42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,846.58	568.36
For Cement Mortar Lining (CML), Add	798.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,437.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	598.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427 EA 42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,335.39	610.42
For Cement Mortar Lining (CML), Add	641.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,153.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	480.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428 EA 42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,679.65	643.36
For Cement Mortar Lining (CML), Add	670.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,206.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	502.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429 EA 48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,588.43	449.20
For Cement Mortar Lining (CML), Add	990.78	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,783.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	743.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430 EA 48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,278.71	479.11
For Cement Mortar Lining (CML), Add	955.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,719.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	716.46	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431 EA 48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,822.47	538.49
For Cement Mortar Lining (CML), Add	900.66	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,621.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	675.49	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0432 EA 48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,141.28	597.69
For Cement Mortar Lining (CML), Add	923.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,662.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	692.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433 EA 48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,097.07	639.76
For Cement Mortar Lining (CML), Add	1,112.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,002.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	834.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434 EA 48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,628.18	672.70
For Cement Mortar Lining (CML), Add	960.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,729.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	720.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435 EA 48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,654.45	691.11
For Cement Mortar Lining (CML), Add	1,060.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,909.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	795.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436 Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)		
33 14 13 13-0437 EA 3" Mechanical Joint Ductile Iron Caps.....	190.08	99.42
For Cement Mortar Lining (CML), Add	3.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	7.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438 EA 4" Mechanical Joint Ductile Iron Caps.....	217.72	116.65
For Cement Mortar Lining (CML), Add	4.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	7.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.07	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439 EA 6" Mechanical Joint Ductile Iron Caps.....	293.76	145.81
For Cement Mortar Lining (CML), Add	7.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	13.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.46	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440 EA 8" Mechanical Joint Ductile Iron Caps.....	373.87	166.66
For Cement Mortar Lining (CML), Add	12.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	21.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441 EA 10" Mechanical Joint Ductile Iron Caps.....	538.96	254.57
For Cement Mortar Lining (CML), Add	15.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	27.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442 EA 12" Mechanical Joint Ductile Iron Caps.....	649.87	277.71
For Cement Mortar Lining (CML), Add	22.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	41.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443 EA 14" Mechanical Joint Ductile Iron Caps.....	810.31	305.47
For Cement Mortar Lining (CML), Add	34.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	62.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444 EA 16" Mechanical Joint Ductile Iron Caps.....	980.07	339.38
For Cement Mortar Lining (CML), Add	46.58	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	83.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.94	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	
	Water Utilities	33 10	33
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0445 EA 18" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,147.53 56.90 102.42 42.67	381.85
33 14 13 13-0446 EA 20" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,397.09 73.59 132.46 55.19	436.35
33 14 13 13-0447 EA 24" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,781.91 101.05 181.89 75.79	509.13
33 14 13 13-0448 EA 30" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,236.50 231.08 415.95 173.31	610.96
33 14 13 13-0449 EA 36" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,359.98 420.29 756.52 315.22	763.69
33 14 13 13-0450 EA 42" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,762.62 637.41 1,147.34 478.06	916.43
33 14 13 13-0451 EA 48" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,223.28 768.05 1,382.48 576.04	1,018.25
33 14 13 13-0452 Mechanical Joint Ductile Iron Plug (33 14 13 13-0002)		
33 14 13 13-0453 EA 3" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	196.15 4.55 8.19 3.41	99.42
33 14 13 13-0454 EA 4" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	226.82 5.01 9.01 3.76	116.65
33 14 13 13-0455 EA 6" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	318.04 9.71 17.48 7.28	145.81
33 14 13 13-0456 EA 8" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	398.15 14.57 26.22 10.92	166.66
33 14 13 13-0457 EA 10" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	637.58 25.19 45.34 18.89	254.57

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0458 EA 12" Mechanical Joint Ductile Iron Plug.....	677.18	277.71
For Cement Mortar Lining (CML), Add	25.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	46.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459 EA 14" Mechanical Joint Ductile Iron Plug.....	984.79	305.47
For Cement Mortar Lining (CML), Add	52.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	93.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460 EA 16" Mechanical Joint Ductile Iron Plug.....	581.03	339.38
For Cement Mortar Lining (CML), Add	6.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	12.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.01	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461 EA 18" Mechanical Joint Ductile Iron Plug.....	1,406.98	381.85
For Cement Mortar Lining (CML), Add	82.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	149.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462 EA 20" Mechanical Joint Ductile Iron Plug.....	1,750.62	436.35
For Cement Mortar Lining (CML), Add	108.94	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	196.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463 EA 24" Mechanical Joint Ductile Iron Plug.....	2,282.61	509.13
For Cement Mortar Lining (CML), Add	151.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	272.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	113.34	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464 EA 30" Mechanical Joint Ductile Iron Plug.....	3,925.34	610.96
For Cement Mortar Lining (CML), Add	299.97	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	539.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	224.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465 EA 36" Mechanical Joint Ductile Iron Plug.....	5,790.88	763.69
For Cement Mortar Lining (CML), Add	463.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	834.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	347.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0466 EA 42" Mechanical Joint Ductile Iron Plug.....	7,817.25	916.43
For Cement Mortar Lining (CML), Add	642.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,157.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	482.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467 EA 48" Mechanical Joint Ductile Iron Plug.....	10,112.40	1,018.25
For Cement Mortar Lining (CML), Add	856.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,542.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	642.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0468 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters (33 14 13 13-0002)		
33 14 13 13-0469 EA 3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	327.58	151.12
For Cement Mortar Lining (CML), Add	9.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470 EA 4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	371.32	174.98
For Cement Mortar Lining (CML), Add	10.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	19.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.97	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	CS
	Water Utilities	33 10	
	Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0471	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	478.57 14.72 26.49 11.04	218.72
33 14 13 13-0472	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	601.77 22.30 40.15 16.73	249.93
33 14 13 13-0473	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	966.97 38.84 69.92 29.13	381.85
33 14 13 13-0474	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,128.82 49.77 89.58 37.33	416.56
33 14 13 13-0475	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,484.76 79.05 142.29 59.29	458.21
33 14 13 13-0476	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,674.18 90.28 162.50 67.71	509.13
33 14 13 13-0477	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,248.55 138.07 248.53 103.55	572.76
33 14 13 13-0478	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,636.54 164.47 296.05 123.35	654.57
33 14 13 13-0479	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,182.68 202.56 364.60 151.92	763.69
33 14 13 13-0480	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,116.49 372.80 671.03 279.60	916.43
33 14 13 13-0481	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,077.99 534.23 961.62 400.68	1,145.53
33 14 13 13-0482	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,431.94 744.83 1,340.70 558.62	1,309.15

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0483 EA 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	11,642.45	1,527.38
For Cement Mortar Lining (CML), Add	932.82	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,679.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	699.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0484 Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)		
33 14 13 13-0485 EA 3" Mechanical Joint Ductile Iron Long Sleeves	312.41	151.12
For Cement Mortar Lining (CML), Add	8.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486 EA 4" Mechanical Joint Ductile Iron Long Sleeves	363.73	174.98
For Cement Mortar Lining (CML), Add	9.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0487 EA 6" Mechanical Joint Ductile Iron Long Sleeves	496.77	218.72
For Cement Mortar Lining (CML), Add	16.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	29.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0488 EA 8" Mechanical Joint Ductile Iron Long Sleeves	650.32	249.93
For Cement Mortar Lining (CML), Add	27.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	48.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0489 EA 10" Mechanical Joint Ductile Iron Long Sleeves	901.73	381.85
For Cement Mortar Lining (CML), Add	32.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	58.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.24	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0490 EA 12" Mechanical Joint Ductile Iron Long Sleeves	1,068.13	416.56
For Cement Mortar Lining (CML), Add	43.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	78.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491 EA 14" Mechanical Joint Ductile Iron Long Sleeves	1,354.28	458.21
For Cement Mortar Lining (CML), Add	66.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	118.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0492 EA 16" Mechanical Joint Ductile Iron Long Sleeves	1,607.42	509.13
For Cement Mortar Lining (CML), Add	83.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	150.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493 EA 18" Mechanical Joint Ductile Iron Long Sleeves	1,937.51	572.76
For Cement Mortar Lining (CML), Add	106.97	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	192.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494 EA 20" Mechanical Joint Ductile Iron Long Sleeves	2,283.02	654.57
For Cement Mortar Lining (CML), Add	129.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	232.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495 EA 24" Mechanical Joint Ductile Iron Long Sleeves	2,857.98	763.69
For Cement Mortar Lining (CML), Add	170.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	306.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	127.57	
Note: ANSI/AWWA C151/A21.51		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0496 EA 30" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,951.10 356.26 641.26 267.19	916.43
33 14 13 13-0497 EA 36" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,738.12 500.25 900.44 375.19	1,145.53
33 14 13 13-0498 EA 42" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,672.54 669.72 1,204.42 501.84	1,307.64
33 14 13 13-0499 EA 48" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,713.76 939.96 1,691.92 704.97	1,527.38
33 14 13 13-0500 Mechanical Joint Ductile Iron Gland Packs <small>(33 14 13 13-0002)</small> Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0501 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0502 EA 3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	30.35	
33 14 13 13-0503 EA 4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	64.06	
33 14 13 13-0504 EA 6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	77.40	
33 14 13 13-0505 EA 8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	90.75	
33 14 13 13-0506 EA 10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	125.45	
33 14 13 13-0507 EA 12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	133.46	
33 14 13 13-0508 EA 14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	218.87	
33 14 13 13-0509 EA 16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	232.21	
33 14 13 13-0510 EA 18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	309.62	
33 14 13 13-0511 EA 20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	400.37	
33 14 13 13-0512 EA 24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	557.85	
33 14 13 13-0513 EA 30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	1,331.89	
33 14 13 13-0514 EA 36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	2,871.97	
33 14 13 13-0515 EA 42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	4,193.19	
33 14 13 13-0516 EA 48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	5,146.06	
33 14 13 13-0517 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0518 EA 3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	51.59	
33 14 13 13-0519 EA 4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	90.75	
33 14 13 13-0520 EA 6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	114.77	
33 14 13 13-0521 EA 8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	125.45	
33 14 13 13-0522 EA 10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	173.49	
33 14 13 13-0523 EA 12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	181.50	
33 14 13 13-0524 EA 14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	274.92	
33 14 13 13-0525 EA 16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	301.61	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0526 EA 18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	400.37	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0527 EA 20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	517.81	
Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0528 EA 24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	723.33	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0529 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ^(33 14 13 13-0500)		
Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0530 EA 3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	33.38	
33 14 13 13-0531 EA 4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	69.40	
Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0532 EA 6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	82.74	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0533 EA 8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	98.76	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0534 EA 10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	136.13	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0535 EA 12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	144.13	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0536 EA 14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	237.55	
Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0537 EA 16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	250.90	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0538 EA 18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	338.98	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0539 EA 20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	435.07	
Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0540 EA 24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	608.56	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0541 EA 30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,457.34	
Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0542 EA 36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	3,229.64	
Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0543 EA 42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	4,676.30	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0544 EA 48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	5,754.62	
Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0545 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) ^(33 14 13 13-0002)		
Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0546 EA 3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....	198.48	75.80
33 14 13 13-0547 EA 4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....	226.89	89.78
33 14 13 13-0548 EA 6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....	281.42	111.10
33 14 13 13-0549 EA 8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....	349.89	129.67
33 14 13 13-0550 EA 10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....	508.62	190.92
33 14 13 13-0551 EA 12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....	624.63	218.23
33 14 13 13-0552 EA 14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....	724.66	234.89
33 14 13 13-0553 EA 16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....	888.13	254.57
33 14 13 13-0554 EA 18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....	1,136.63	305.47
33 14 13 13-0555 EA 20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....	1,338.58	339.27
33 14 13 13-0556 EA 24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....	1,731.41	391.45
33 14 13 13-0557 EA 30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....	3,320.44	469.44
33 14 13 13-0558 EA 36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....	4,101.48	587.46
33 14 13 13-0559 EA 42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....	6,026.56	677.83
33 14 13 13-0560 EA 48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....	7,718.21	871.76
33 14 13 13-0561 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) ^(33 14 13 13-0002)		
33 14 13 13-0562 EA 3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,035.36	62.04
33 14 13 13-0563 EA 4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,203.38	77.55
33 14 13 13-0564 EA 6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	6,099.49	114.61
33 14 13 13-0565 EA 8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	8,286.94	135.93
33 14 13 13-0566 EA 10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	10,445.88	152.39
33 14 13 13-0567 EA 12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	13,929.33	178.78
33 14 13 13-0568 EA 14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	17,156.66	200.47
33 14 13 13-0569 EA 16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	20,296.08	229.11
33 14 13 13-0570 EA 18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	22,890.28	320.75
33 14 13 13-0571 EA 20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	30,790.55	400.93
33 14 13 13-0572 EA 24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	42,661.15	534.58
33 14 13 13-0573 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) ^(33 14 13 13-0002)		
Note: Includes machined bolts and gasket.		
33 14 13 13-0574 EA 3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM).....	197.13	75.80



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0575	EA			4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM).....	251.92	89.78
33 14 13 13-0576	EA			6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM).....	324.85	111.10
33 14 13 13-0577	EA			8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM).....	371.18	129.67
33 14 13 13-0578	EA			10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM).....	647.62	198.84
33 14 13 13-0579	EA			12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM).....	733.27	227.27
33 14 13 13-0580				Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) <small>(33 14 13 13-0002)</small>		
Note: Includes nuts, bolts and gasket.						
33 14 13 13-0581	EA			3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300).....	282.21	75.80
33 14 13 13-0582	EA			4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400).....	350.36	89.78
33 14 13 13-0583	EA			6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600).....	483.12	111.10
33 14 13 13-0584	EA			8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800).....	693.91	129.67
33 14 13 13-0585	EA			10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000).....	1,006.95	198.84
33 14 13 13-0586	EA			12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200).....	1,249.01	227.27
33 14 13 13-0587	EA			14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400).....	1,908.83	244.63
33 14 13 13-0588	EA			16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600).....	2,663.61	265.11
33 14 13 13-0589	EA			18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800).....	3,015.44	318.13
33 14 13 13-0590	EA			20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000).....	3,331.24	353.32
33 14 13 13-0591	EA			24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400).....	4,027.07	407.67
33 14 13 13-0592	EA			30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000).....	5,175.77	488.89
33 14 13 13-0593	EA			36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600).....	7,713.08	611.81
33 14 13 13-0594	EA			42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200).....	19,986.75	705.93
33 14 13 13-0595	EA			48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800).....	25,600.72	907.89
33 14 13 13-0596				Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping <small>(33 14 13 13-0001)</small>		
Note: . See CSI section 33 14 13 13-0500 for bolts and gaskets.						
33 14 13 13-0597				Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0598	EA			3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	388.73	43.26
33 14 13 13-0599	EA			4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	465.24	51.81
33 14 13 13-0600	EA			6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	721.08	75.91
33 14 13 13-0601	EA			8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	982.49	90.38
33 14 13 13-0602	EA			10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,343.44	101.82
33 14 13 13-0603	EA			12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,700.80	119.18
33 14 13 13-0604	EA			14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,408.61	134.22
33 14 13 13-0605	EA			16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,920.04	152.74
33 14 13 13-0606	EA			18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,536.03	214.07
33 14 13 13-0607	EA			20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,407.55	267.29
33 14 13 13-0608	EA			24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	6,226.13	356.39
33 14 13 13-0609	EA			30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	9,920.44	381.85
33 14 13 13-0610	EA			36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	14,568.65	396.89
33 14 13 13-0611	EA			42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	23,952.65	458.21
33 14 13 13-0612	EA			48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	31,304.19	487.14
33 14 13 13-0613				Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0614	EA			3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	372.04	43.26
33 14 13 13-0615	EA			4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	436.41	51.81
33 14 13 13-0616	EA			6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	671.01	75.91
33 14 13 13-0617	EA			8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	905.11	90.38
33 14 13 13-0618	EA			10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,179.57	101.82
33 14 13 13-0619	EA			12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,553.63	119.18
33 14 13 13-0620	EA			14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,093.01	134.22
33 14 13 13-0621	EA			16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,504.31	152.74
33 14 13 13-0622	EA			18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,970.09	214.07
33 14 13 13-0623	EA			20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,607.95	267.29
33 14 13 13-0624	EA			24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,755.88	356.39
33 14 13 13-0625	EA			30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	8,680.83	381.85
33 14 13 13-0626	EA			36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	11,969.55	396.89
33 14 13 13-0627	EA			42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	17,753.04	458.21
33 14 13 13-0628	EA			48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	22,701.21	487.14
33 14 13 13-0629				Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0630	EA			3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	291.62	43.26
33 14 13 13-0631	EA			4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	431.86	51.81
33 14 13 13-0632	EA			6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	652.81	75.91
33 14 13 13-0633	EA			8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	899.04	90.38
33 14 13 13-0634	EA			10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,178.05	101.82
33 14 13 13-0635	EA			12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,465.63	119.18
33 14 13 13-0636	EA			14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,105.15	134.22
33 14 13 13-0637	EA			16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,449.68	152.74
33 14 13 13-0638	EA			18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,956.43	214.07

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0639 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,733.88	267.29
33 14 13 13-0640 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,655.74	356.39
33 14 13 13-0641 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,735.56	381.85
33 14 13 13-0642 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,528.13	396.89
33 14 13 13-0643 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	15,038.63	458.21
33 14 13 13-0644 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	19,231.19	487.14
33 14 13 13-0645 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0646 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	291.62	43.26
33 14 13 13-0647 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	515.31	51.81
33 14 13 13-0648 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	658.88	75.91
33 14 13 13-0649 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	871.73	90.38
33 14 13 13-0650 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,175.02	101.82
33 14 13 13-0651 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,424.66	119.18
33 14 13 13-0652 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,264.46	134.22
33 14 13 13-0653 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,524.03	152.74
33 14 13 13-0654 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,387.34	214.07
33 14 13 13-0655 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,603.40	267.29
33 14 13 13-0656 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,657.26	356.39
33 14 13 13-0657 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	7,835.70	381.85
33 14 13 13-0658 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,241.37	396.89
33 14 13 13-0659 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	14,628.96	458.21
33 14 13 13-0660 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	19,121.94	487.14
33 14 13 13-0661 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0662 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	341.69	43.26
33 14 13 13-0663 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	500.13	51.81
33 14 13 13-0664 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	778.74	75.91
33 14 13 13-0665 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,055.32	90.38
33 14 13 13-0666 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,449.65	101.82
33 14 13 13-0667 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,817.64	119.18
33 14 13 13-0668 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,247.66	134.22
33 14 13 13-0669 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,054.85	152.74
33 14 13 13-0670 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,786.16	214.07
33 14 13 13-0671 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,674.37	267.29
33 14 13 13-0672 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,233.60	356.39
33 14 13 13-0673 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0674 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	341.69	43.26
33 14 13 13-0675 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	442.47	51.81
33 14 13 13-0676 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	695.29	75.91
33 14 13 13-0677 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	979.46	90.38
33 14 13 13-0678 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,296.40	101.82
33 14 13 13-0679 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,684.11	119.18
33 14 13 13-0680 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,238.67	134.22
33 14 13 13-0681 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,687.90	152.74
33 14 13 13-0682 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	5,012.34	214.07
33 14 13 13-0683 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	5,269.36	267.29
33 14 13 13-0684 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	5,506.93	356.39
33 14 13 13-0685 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee <small>(33 14 13 13-0596)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0686 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	482.20	64.90
33 14 13 13-0687 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	526.59	73.17
33 14 13 13-0688 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	555.70	75.91
33 14 13 13-0689 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	789.14	96.24
33 14 13 13-0690 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	854.33	100.02
33 14 13 13-0691 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	902.75	112.07
33 14 13 13-0692 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,046.87	115.69
33 14 13 13-0693 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,133.22	127.74
33 14 13 13-0694 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,245.43	136.17
33 14 13 13-0695 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,400.57	126.12
33 14 13 13-0696 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,401.24	137.69
33 14 13 13-0697 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,517.51	145.79
33 14 13 13-0698 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,636.42	152.74
33 14 13 13-0699 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,683.17	141.17
33 14 13 13-0700 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,700.52	152.74
33 14 13 13-0701 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,838.03	160.83
33 14 13 13-0702 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,114.74	167.78
33 14 13 13-0703 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,121.76	175.88
33 14 13 13-0704 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,398.83	178.19
33 14 13 13-0705 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,594.01	186.29
33 14 13 13-0706 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,140.78	193.24
33 14 13 13-0707 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,314.70	201.33
33 14 13 13-0708 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,077.43	214.07
33 14 13 13-0709 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,869.87	214.07
33 14 13 13-0710 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,024.18	221.01
33 14 13 13-0711 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,619.51	229.11
33 14 13 13-0712 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,400.46	236.05
33 14 13 13-0713 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,422.53	248.78
33 14 13 13-0714 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,010.96	267.29
33 14 13 13-0715 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,766.29	274.24
33 14 13 13-0716 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,970.58	281.18
33 14 13 13-0717 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,229.07	288.12
33 14 13 13-0718 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,468.23	296.22
33 14 13 13-0719 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,592.08	308.95
33 14 13 13-0720 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,905.77	326.31
33 14 13 13-0721 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,474.56	356.39
33 14 13 13-0722 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,348.32	392.26
33 14 13 13-0723 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,422.12	400.36
33 14 13 13-0724 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,852.07	407.30
33 14 13 13-0725 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,088.20	415.40
33 14 13 13-0726 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,140.73	428.13
33 14 13 13-0727 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,081.18	445.49
33 14 13 13-0728 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,473.85	475.57
33 14 13 13-0729 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,550.28	534.58
33 14 13 13-0730 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,286.36	510.28
33 14 13 13-0731 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,337.39	519.54
33 14 13 13-0732 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,433.55	525.32
33 14 13 13-0733 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,575.59	533.43
33 14 13 13-0734 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,327.59	546.15
33 14 13 13-0735 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,598.81	563.51
33 14 13 13-0736 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,097.69	593.60
33 14 13 13-0737 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,369.75	653.76
33 14 13 13-0738 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,875.29	712.78
33 14 13 13-0739 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,182.76	594.75
33 14 13 13-0740 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,751.31	602.85
33 14 13 13-0741 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,243.47	609.79
33 14 13 13-0742 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,737.53	617.89
33 14 13 13-0743 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,439.45	630.62
33 14 13 13-0744 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,197.73	838.90
33 14 13 13-0745 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,155.04	678.07
33 14 13 13-0746 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,155.49	737.08
33 14 13 13-0747 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,629.07	796.08
33 14 13 13-0748 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,856.46	838.90
33 14 13 13-0749 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,489.91	668.81
33 14 13 13-0750 EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,602.63	675.75
33 14 13 13-0751 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,204.42	683.85
33 14 13 13-0752 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,631.72	696.58
33 14 13 13-0753 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,062.25	713.93
33 14 13 13-0754 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,890.50	744.02
33 14 13 13-0755 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,764.91	803.03
33 14 13 13-0756 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,245.95	862.04
33 14 13 13-0757 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,203.26	937.25
33 14 13 13-0758 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	19,799.16	937.25
33 14 13 13-0759 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	22,469.88	720.88
33 14 13 13-0760 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	22,921.46	732.45
33 14 13 13-0761 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	25,197.00	750.96
33 14 13 13-0762 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,704.76	781.04
33 14 13 13-0763 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,794.74	840.06
33 14 13 13-0764 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	23,862.24	899.07
33 14 13 13-0765 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	24,294.68	941.89
33 14 13 13-0766 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	30,058.66	974.28

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

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

33 14 13 13-0767	EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	31,676.67	992.79
33 14 13 13-0768	EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	26,191.16	778.74
33 14 13 13-0769	EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	26,660.95	791.46
33 14 13 13-0770	EA 4" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	27,328.17	809.97
33 14 13 13-0771	EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,009.24	838.90
33 14 13 13-0772	EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,739.51	899.07
33 14 13 13-0773	EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,914.18	958.08
33 14 13 13-0774	EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	31,039.90	999.74
33 14 13 13-0775	EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	25,010.07	1,033.29
33 14 13 13-0776	EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	31,313.43	1,051.81
33 14 13 13-0777	EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	41,652.64	1,080.74

33 14 13 13-0778 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0596)

33 14 13 13-0779	EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	540.81	72.54
33 14 13 13-0780	EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	593.91	72.54
33 14 13 13-0781	EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	695.29	75.91
33 14 13 13-0782	EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	769.41	96.24
33 14 13 13-0783	EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	857.37	100.02
33 14 13 13-0784	EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,046.89	112.07
33 14 13 13-0785	EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,370.05	115.69
33 14 13 13-0786	EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,266.74	127.74
33 14 13 13-0787	EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,422.95	136.17
33 14 13 13-0788	EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,005.97	126.12
33 14 13 13-0789	EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,090.09	137.69
33 14 13 13-0790	EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,336.85	145.79
33 14 13 13-0791	EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,549.82	152.74
33 14 13 13-0792	EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,446.36	141.17
33 14 13 13-0793	EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,773.23	152.74
33 14 13 13-0794	EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,279.45	160.83
33 14 13 13-0795	EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,283.04	167.78
33 14 13 13-0796	EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,032.13	175.88
33 14 13 13-0797	EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,600.52	178.19
33 14 13 13-0798	EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,137.09	186.29
33 14 13 13-0799	EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,445.53	193.24
33 14 13 13-0800	EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,839.46	201.33
33 14 13 13-0801	EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,691.71	214.07
33 14 13 13-0802	EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,751.52	214.07
33 14 13 13-0803	EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,142.42	221.01
33 14 13 13-0804	EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,913.75	229.11
33 14 13 13-0805	EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,069.46	236.05
33 14 13 13-0806	EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,275.13	248.78
33 14 13 13-0807	EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,937.91	267.29
33 14 13 13-0808	EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,313.92	274.24
33 14 13 13-0809	EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,730.26	281.18
33 14 13 13-0810	EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,133.26	288.12
33 14 13 13-0811	EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,569.67	296.22
33 14 13 13-0812	EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,637.37	308.95
33 14 13 13-0813	EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,714.37	326.31
33 14 13 13-0814	EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,090.58	356.39
33 14 13 13-0815	EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,263.13	392.26
33 14 13 13-0816	EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,400.65	400.36
33 14 13 13-0817	EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,049.09	407.30
33 14 13 13-0818	EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,691.85	415.40
33 14 13 13-0819	EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,764.10	428.13
33 14 13 13-0820	EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,848.70	445.49
33 14 13 13-0821	EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	9,116.95	475.57
33 14 13 13-0822	EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	8,587.88	534.58
33 14 13 13-0823	EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,594.14	510.28
33 14 13 13-0824	EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,692.21	518.39
33 14 13 13-0825	EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	8,595.56	525.32
33 14 13 13-0826	EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	9,006.16	533.43
33 14 13 13-0827	EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	10,437.90	546.15
33 14 13 13-0828	EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	11,622.53	563.51
33 14 13 13-0829	EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	13,025.81	593.60
33 14 13 13-0830	EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	14,311.42	653.76
33 14 13 13-0831	EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	12,621.35	712.78
33 14 13 13-0832	EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	15,946.80	594.75
33 14 13 13-0833	EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	17,915.68	602.85
33 14 13 13-0834	EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	18,972.27	609.79
33 14 13 13-0835	EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	20,030.76	617.89
33 14 13 13-0836	EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	21,530.76	630.62
33 14 13 13-0837	EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	23,143.27	647.97
33 14 13 13-0838	EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	23,719.64	678.07
33 14 13 13-0839	EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	24,551.56	737.08
33 14 13 13-0840	EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	25,710.94	796.08
33 14 13 13-0841	EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	27,880.68	838.90
33 14 13 13-0842	EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	30,728.78	683.85
33 14 13 13-0843	EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	31,942.03	696.58
33 14 13 13-0844	EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	33,147.89	713.93



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 14 13 13-0845 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,476.73	744.02	
	33 14 13 13-0846 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	37,859.31	803.03	
	33 14 13 13-0847 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	42,012.29	862.04	
	33 14 13 13-0848 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	47,099.74	904.86	
	33 14 13 13-0849 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	56,294.30	937.25	
	33 14 13 13-0850 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	49,526.86	840.06	
	33 14 13 13-0851 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	50,740.85	899.07	
	33 14 13 13-0852 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	54,212.41	941.89	
	33 14 13 13-0853 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,056.58	974.28	
	33 14 13 13-0854 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	73,286.56	992.79	
	33 14 13 13-0855 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	48,817.68	899.07	
	33 14 13 13-0856 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	55,325.47	958.08	
	33 14 13 13-0857 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	58,977.58	999.74	
	33 14 13 13-0858 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	67,293.63	1,033.29	
	33 14 13 13-0859 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	88,165.91	1,051.81	
	33 14 13 13-0860 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	96,839.14	1,080.74	
33 14 13 13-0861	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee <small>(33 14 13 13-0596)</small>			
	33 14 13 13-0862 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	958.89	112.07	
	33 14 13 13-0863 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,190.87	127.74	
	33 14 13 13-0864 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,704.70	137.69	
	33 14 13 13-0865 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,961.49	152.74	
	33 14 13 13-0866 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,591.53	178.19	
	33 14 13 13-0867 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,156.74	214.07	
	33 14 13 13-0868 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,728.36	274.24	
	33 14 13 13-0869 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	5,014.41	392.26	
	33 14 13 13-0870 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	5,854.74	510.28	
	33 14 13 13-0871 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	10,607.49	594.75	
33 14 13 13-0872	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross <small>(33 14 13 13-0596)</small>			
	33 14 13 13-0873 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	539.26	86.54	
	33 14 13 13-0874 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	672.21	94.16	
	33 14 13 13-0875 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	838.02	95.20	
	33 14 13 13-0876 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	890.43	118.03	
	33 14 13 13-0877 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,040.97	127.74	
	33 14 13 13-0878 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,151.38	159.07	
	33 14 13 13-0879 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,106.11	139.79	
	33 14 13 13-0880 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,304.51	171.12	
	33 14 13 13-0881 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,292.26	183.17	
	33 14 13 13-0882 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,301.01	148.11	
	33 14 13 13-0883 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,459.58	178.19	
	33 14 13 13-0884 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,731.84	189.76	
	33 14 13 13-0885 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,875.97	203.65	
	33 14 13 13-0886 EA 12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,669.23	160.83	
	33 14 13 13-0887 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,932.49	190.92	
	33 14 13 13-0888 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,097.04	202.50	
	33 14 13 13-0889 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,444.48	216.38	
	33 14 13 13-0890 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,789.95	229.11	
	33 14 13 13-0891 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,882.40	209.43	
	33 14 13 13-0892 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,415.64	221.01	
	33 14 13 13-0893 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,499.08	236.05	
	33 14 13 13-0894 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,692.82	247.62	
	33 14 13 13-0895 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,091.95	267.29	
	33 14 13 13-0896 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,226.33	237.21	
	33 14 13 13-0897 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,689.78	247.62	
	33 14 13 13-0898 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,446.88	262.67	
	33 14 13 13-0899 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,971.39	275.39	
	33 14 13 13-0900 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,036.62	293.90	
	33 14 13 13-0901 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,301.64	320.52	
	33 14 13 13-0902 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,561.61	280.02	
	33 14 13 13-0903 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,883.96	291.60	
	33 14 13 13-0904 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,160.09	305.47	
	33 14 13 13-0905 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,690.67	318.21	
	33 14 13 13-0906 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,836.30	336.72	
	33 14 13 13-0907 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,336.51	363.33	
	33 14 13 13-0908 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,706.94	407.30	
	33 14 13 13-0909 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,992.72	351.76	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

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

33 14 13 13-0910	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,318.10	362.18
33 14 13 13-0911	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,541.11	377.22
33 14 13 13-0912	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,067.16	389.94
33 14 13 13-0913	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,199.23	408.46
33 14 13 13-0914	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,969.41	435.07
33 14 13 13-0915	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,339.83	477.89
33 14 13 13-0916	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,160.97	549.63
33 14 13 13-0917	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,569.07	439.70
33 14 13 13-0918	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,791.62	451.28
33 14 13 13-0919	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,167.54	465.15
33 14 13 13-0920	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,491.78	477.89
33 14 13 13-0921	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,672.42	496.40
33 14 13 13-0922	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,070.95	523.01
33 14 13 13-0923	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	14,749.05	566.99
33 14 13 13-0924	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,517.10	637.57
33 14 13 13-0925	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	17,076.87	725.50
33 14 13 13-0926	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	14,841.05	584.33
33 14 13 13-0927	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,135.38	598.22
33 14 13 13-0928	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,424.72	610.96
33 14 13 13-0929	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,766.19	629.47
33 14 13 13-0930	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,157.16	657.24
33 14 13 13-0931	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,611.01	700.05
33 14 13 13-0932	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	17,183.33	770.64
33 14 13 13-0933	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	22,143.34	859.73
33 14 13 13-0934	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	25,460.37	992.79
33 14 13 13-0935	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	20,787.41	632.93
33 14 13 13-0936	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,078.70	646.82
33 14 13 13-0937	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,330.11	659.55
33 14 13 13-0938	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,629.09	679.22
33 14 13 13-0939	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,979.10	705.83
33 14 13 13-0940	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	22,392.00	748.65
33 14 13 13-0941	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	22,926.38	820.39
33 14 13 13-0942	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	23,871.65	908.33
33 14 13 13-0943	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	32,229.09	1,041.39
33 14 13 13-0944	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	35,433.72	1,091.15
33 14 13 13-0945	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	27,967.28	688.47
33 14 13 13-0946	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	28,549.99	706.99
33 14 13 13-0947	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	28,889.36	734.76
33 14 13 13-0948	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	29,359.93	777.57
33 14 13 13-0949	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	30,208.39	849.32
33 14 13 13-0950	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	32,000.31	937.25
33 14 13 13-0951	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	38,901.16	1,070.32
33 14 13 13-0952	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	50,924.22	1,118.92
33 14 13 13-0953	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	54,589.04	1,147.85
33 14 13 13-0954	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	37,867.06	801.87
33 14 13 13-0955	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	38,117.51	820.39
33 14 13 13-0956	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	38,452.33	847.00
33 14 13 13-0957	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	38,813.63	889.82
33 14 13 13-0958	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	39,293.40	961.56
33 14 13 13-0959	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	40,127.92	1,049.50
33 14 13 13-0960	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	42,439.00	1,182.56
33 14 13 13-0961	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	52,092.07	1,232.32
33 14 13 13-0962	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	67,113.73	1,261.25
33 14 13 13-0963	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	71,463.31	1,373.49

33 14 13 13-0964 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0996)

33 14 13 13-0965	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	382.38	47.08
33 14 13 13-0966	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	533.97	59.01
33 14 13 13-0967	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	586.80	62.67
33 14 13 13-0968	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	768.90	71.10
33 14 13 13-0969	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	800.52	83.15
33 14 13 13-0970	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	941.09	75.21
33 14 13 13-0971	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	985.75	86.78
33 14 13 13-0972	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,026.16	94.89
33 14 13 13-0973	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,087.69	83.31
33 14 13 13-0974	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,203.67	94.89
33 14 13 13-0975	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,224.35	101.82
33 14 13 13-0976	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,279.53	109.93



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0977	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,878.28	107.61
33 14 13 13-0978	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,889.86	114.56
33 14 13 13-0979	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,647.65	122.65
33 14 13 13-0980	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,681.99	129.60
33 14 13 13-0981	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,251.15	124.97
33 14 13 13-0982	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,185.36	133.07
33 14 13 13-0983	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,053.92	140.01
33 14 13 13-0984	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,030.59	146.96
33 14 13 13-0985	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,295.54	159.68
33 14 13 13-0986	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,450.70	162.00
33 14 13 13-0987	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,762.29	170.10
33 14 13 13-0988	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,640.34	177.04
33 14 13 13-0989	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,154.12	189.76
33 14 13 13-0990	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,766.84	208.28
33 14 13 13-0991	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,264.41	222.17
33 14 13 13-0992	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,290.75	229.11
33 14 13 13-0993	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,992.81	237.21
33 14 13 13-0994	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,992.23	249.93
33 14 13 13-0995	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,922.06	267.29
33 14 13 13-0996	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,454.43	297.38
33 14 13 13-0997	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,114.25	296.22
33 14 13 13-0998	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,175.89	308.95
33 14 13 13-0999	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,251.38	326.31
33 14 13 13-1000	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,190.50	356.39
33 14 13 13-1001	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,834.28	415.40
33 14 13 13-1002	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,486.24	367.96
33 14 13 13-1003	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,806.19	398.04
33 14 13 13-1004	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,528.99	458.21
33 14 13 13-1005	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,395.76	517.22
33 14 13 13-1006	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,874.54	490.61
33 14 13 13-1007	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,188.91	549.63
33 14 13 13-1008	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,811.01	592.44
33 14 13 13-1009	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,575.39	420.03
33 14 13 13-1010	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,493.27	450.11
33 14 13 13-1011	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,536.20	509.13
33 14 13 13-1012	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	15,109.92	568.14
33 14 13 13-1013	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,363.65	610.96
33 14 13 13-1014	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,938.54	643.35
33 14 13 13-1015	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	18,359.94	448.96
33 14 13 13-1016	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,771.04	479.04
33 14 13 13-1017	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	16,886.93	538.06
33 14 13 13-1018	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,384.78	598.22

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1019 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	20,824.47	639.88
33 14 13 13-1020 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	18,021.89	672.28
33 14 13 13-1021 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	19,815.90	690.79
33 14 13 13-1022 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps (33 14 13 13-0596)		
33 14 13 13-1023 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	358.50	99.42
33 14 13 13-1024 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	431.65	116.89
33 14 13 13-1025 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	627.56	145.81
33 14 13 13-1026 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	836.64	166.30
33 14 13 13-1027 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,121.59	254.57
33 14 13 13-1028 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,406.99	277.71
33 14 13 13-1029 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,597.78	305.47
33 14 13 13-1030 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,939.00	339.03
33 14 13 13-1031 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,268.80	381.85
33 14 13 13-1032 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,732.30	436.22
33 14 13 13-1033 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	3,494.92	509.13
33 14 13 13-1034 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	6,289.26	610.96
33 14 13 13-1035 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	10,269.89	763.69
33 14 13 13-1036 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	14,770.94	916.43
33 14 13 13-1037 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	17,575.90	1,018.25
33 14 13 13-1038 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug (33 14 13 13-0596)		
33 14 13 13-1039 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	360.01	99.42
33 14 13 13-1040 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	446.83	116.89
33 14 13 13-1041 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	667.01	145.81
33 14 13 13-1042 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	876.09	166.30
33 14 13 13-1043 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,347.67	254.57
33 14 13 13-1044 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,458.58	277.71
33 14 13 13-1045 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,927.03	305.47
33 14 13 13-1046 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,319.83	339.03
33 14 13 13-1047 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,755.85	381.85
33 14 13 13-1048 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,390.80	436.22
33 14 13 13-1049 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	4,432.60	509.13
33 14 13 13-1050 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	7,585.02	610.96
33 14 13 13-1051 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	11,075.57	763.69
33 14 13 13-1052 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	14,872.60	916.43
33 14 13 13-1053 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	19,731.95	1,018.25
33 14 13 13-1054 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters (33 14 13 13-0596)		
33 14 13 13-1055 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	491.45	151.12
33 14 13 13-1056 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	645.95	174.74
33 14 13 13-1057 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	885.20	219.32
33 14 13 13-1058 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,157.09	249.44
33 14 13 13-1059 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,713.48	381.85
33 14 13 13-1060 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,039.19	416.56
33 14 13 13-1061 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,651.55	458.21
33 14 13 13-1062 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,007.87	509.13
33 14 13 13-1063 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,929.70	572.76
33 14 13 13-1064 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	4,555.90	654.92
33 14 13 13-1065 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,510.19	763.69
33 14 13 13-1066 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	8,618.37	916.43
33 14 13 13-1067 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	11,705.70	1,145.53
33 14 13 13-1068 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	15,883.41	1,308.68
33 14 13 13-1069 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	19,723.48	1,527.38



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

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

33 14 13 13-1070	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves <small>(33 14 13 13-0596)</small>		
33 14 13 13-1071	EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	509.66	151.12
33 14 13 13-1072	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	623.19	174.74
33 14 13 13-1073	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	910.99	219.32
33 14 13 13-1074	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,226.89	249.44
33 14 13 13-1075	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,616.37	381.85
33 14 13 13-1076	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,948.15	416.56
33 14 13 13-1077	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,457.34	458.21
33 14 13 13-1078	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,904.70	509.13
33 14 13 13-1079	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,462.38	572.76
33 14 13 13-1080	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,029.40	654.92
33 14 13 13-1081	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	5,027.69	763.69
33 14 13 13-1082	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	8,368.02	916.43
33 14 13 13-1083	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	10,869.68	1,145.53
33 14 13 13-1084	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	14,118.06	1,307.53
33 14 13 13-1085	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	20,899.37	1,527.38
33 14 13 13-1086	Push-On Joint Ductile Iron Piping <small>(33 14 13 13-0001)</small>		
33 14 13 13-1087	Push-On Joint Ductile Iron Pipe <small>(33 14 13 13-1086)</small>		
	Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		
33 14 13 13-1088	LF 4", Class 50, Push-On Joint Ductile Iron Pipe	34.20	9.94
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.40	
	For Cement Mortar Lining (CML), Add	1.91	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	10.34	
	For Fusion Bonded Epoxy Lining (206N), Add	3.45	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.44	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-1.71	
	For Class 51, Add	2.80	
	For Class 52, Add	6.02	
	For Class 53, Add	10.82	
	For Class 54, Add	15.42	
	For Class 55, Add	17.76	
	For Class 56, Add	20.05	
33 14 13 13-1089	LF 6", Class 50, Push-On Joint Ductile Iron Pipe	37.51	10.97
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	14.70	
	For Cement Mortar Lining (CML), Add	2.10	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	11.34	
	For Fusion Bonded Epoxy Lining (206N), Add	3.78	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.58	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-1.88	
	For Class 51, Add	3.07	
	For Class 52, Add	6.61	
	For Class 53, Add	11.87	
	For Class 54, Add	16.92	
	For Class 55, Add	19.48	
	For Class 56, Add	22.00	
33 14 13 13-1090	LF 8", Class 50, Push-On Joint Ductile Iron Pipe	46.78	12.05
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.10	
	For Cement Mortar Lining (CML), Add	2.87	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	15.50	
	For Fusion Bonded Epoxy Lining (206N), Add	5.17	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.15	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-2.34	
	For Class 51, Add	4.14	
	For Class 52, Add	8.92	
	For Class 53, Add	16.06	
	For Class 54, Add	22.91	
	For Class 55, Add	26.35	
	For Class 56, Add	29.74	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1091 LF 10", Class 50, Push-On Joint Ductile Iron Pipe.....	66.53	17.25
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.29	
For Cement Mortar Lining (CML), Add	4.05	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	20.25	
For Fusion Bonded Epoxy Lining (206N), Add	7.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.04	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.33	
For Class 51, Add	5.84	
For Class 52, Add	12.60	
For Class 53, Add	22.68	
For Class 54, Add	32.33	
For Class 55, Add	37.20	
For Class 56, Add	41.98	
33 14 13 13-1092 LF 12", Class 50, Push-On Joint Ductile Iron Pipe.....	77.21	19.10
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.14	
For Cement Mortar Lining (CML), Add	4.83	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	19.31	
For Fusion Bonded Epoxy Lining (206N), Add	8.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.62	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.86	
For Class 51, Add	6.94	
For Class 52, Add	14.97	
For Class 53, Add	26.96	
For Class 54, Add	38.45	
For Class 55, Add	44.22	
For Class 56, Add	49.89	
33 14 13 13-1093 LF 14", Class 50, Push-On Joint Ductile Iron Pipe.....	94.06	21.52
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	27.08	
For Cement Mortar Lining (CML), Add	6.15	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	20.92	
For Fusion Bonded Epoxy Lining (206N), Add	11.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.62	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.70	
For Class 51, Add	8.79	
For Class 52, Add	18.97	
For Class 53, Add	34.20	
For Class 54, Add	48.79	
For Class 55, Add	56.10	
For Class 56, Add	63.27	
33 14 13 13-1094 LF 16", Class 50, Push-On Joint Ductile Iron Pipe.....	111.44	24.53
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	30.46	
For Cement Mortar Lining (CML), Add	7.43	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	23.03	
For Fusion Bonded Epoxy Lining (206N), Add	13.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.57	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.57	
For Class 51, Add	10.59	
For Class 52, Add	22.85	
For Class 53, Add	41.21	
For Class 54, Add	58.80	
For Class 55, Add	67.59	
For Class 56, Add	76.23	
33 14 13 13-1095 LF 18", Class 50, Push-On Joint Ductile Iron Pipe.....	129.68	28.70
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	35.38	
For Cement Mortar Lining (CML), Add	8.63	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	26.75	
For Fusion Bonded Epoxy Lining (206N), Add	15.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.47	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.48	
For Class 51, Add	12.30	
For Class 52, Add	26.55	
For Class 53, Add	47.87	
For Class 54, Add	68.30	
For Class 55, Add	78.52	
For Class 56, Add	88.55	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1096 LF 20", Class 50, Push-On Joint Ductile Iron Pipe.....	149.68	34.37
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	37.09	
For Cement Mortar Lining (CML), Add	9.76	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	27.33	
For Fusion Bonded Epoxy Lining (206N), Add	17.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.32	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.48	
For Class 51, Add	13.96	
For Class 52, Add	30.11	
For Class 53, Add	54.26	
For Class 54, Add	77.41	
For Class 55, Add	89.00	
For Class 56, Add	100.39	
33 14 13 13-1097 LF 24", Class 50, Push-On Joint Ductile Iron Pipe.....	189.35	42.93
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	38.50	
For Cement Mortar Lining (CML), Add	12.42	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	26.08	
For Fusion Bonded Epoxy Lining (206N), Add	22.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.32	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-9.47	
For Class 51, Add	17.74	
For Class 52, Add	38.28	
For Class 53, Add	69.00	
For Class 54, Add	98.44	
For Class 55, Add	113.18	
For Class 56, Add	127.66	
33 14 13 13-1098 LF 30", Class 50, Push-On Joint Ductile Iron Pipe.....	224.01	45.82
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	47.92	
For Cement Mortar Lining (CML), Add	15.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	27.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.59	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.20	
For Class 51, Add	21.94	
For Class 52, Add	47.35	
For Class 53, Add	85.44	
For Class 54, Add	121.94	
For Class 55, Add	140.14	
For Class 56, Add	158.01	
33 14 13 13-1099 LF 36", Class 50, Push-On Joint Ductile Iron Pipe.....	277.32	48.71
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	63.08	
For Cement Mortar Lining (CML), Add	20.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	36.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.26	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-13.87	
For Class 51, Add	28.66	
For Class 52, Add	61.90	
For Class 53, Add	111.82	
For Class 54, Add	159.65	
For Class 55, Add	183.38	
For Class 56, Add	206.69	
33 14 13 13-1100 LF 42", Class 50, Push-On Joint Ductile Iron Pipe.....	337.59	51.60
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	80.44	
For Cement Mortar Lining (CML), Add	25.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	46.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.46	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-16.88	
For Class 51, Add	36.34	
For Class 52, Add	78.53	
For Class 53, Add	141.98	
For Class 54, Add	202.77	
For Class 55, Add	232.84	
For Class 56, Add	262.35	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1101 LF 48", Class 50, Push-On Joint Ductile Iron Pipe.....	406.00	54.39
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	100.28	
For Cement Mortar Lining (CML), Add	32.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	58.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.26	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-20.30	
For Class 51, Add	45.12	
For Class 52, Add	97.52	
For Class 53, Add	176.45	
For Class 54, Add	252.05	
For Class 55, Add	289.34	
For Class 56, Add	325.96	
33 14 13 13-1102 LF 54", Class 50, Push-On Joint Ductile Iron Pipe.....	514.08	57.28
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	132.46	
For Cement Mortar Lining (CML), Add	42.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	76.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.05	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-25.70	
For Class 51, Add	59.33	
For Class 52, Add	128.27	
For Class 53, Add	232.24	
For Class 54, Add	331.82	
For Class 55, Add	380.81	
For Class 56, Add	428.89	
33 14 13 13-1103 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1086)		
33 14 13 13-1104 EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron	167.63	38.81
For Cement Mortar Lining (CML), Add	10.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	19.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1105 EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron	243.62	57.25
For Cement Mortar Lining (CML), Add	15.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	28.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1106 EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron	320.63	67.96
For Cement Mortar Lining (CML), Add	21.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	39.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1107 EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron.....	486.41	76.13
For Cement Mortar Lining (CML), Add	32.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	59.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1108 EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron.....	619.81	89.33
For Cement Mortar Lining (CML), Add	43.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	78.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1109 EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron.....	1,161.62	100.21
For Cement Mortar Lining (CML), Add	95.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	171.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1110 EA 16" 90 Degree Elbow, Push-On Joint Ductile Iron.....	1,314.20	114.56
For Cement Mortar Lining (CML), Add	107.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	193.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.81	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1111 EA 18" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,031.77 170.04 306.08 127.53	160.38
33 14 13 13-1112 EA 20" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,298.35 189.41 340.94 142.06	202.14
33 14 13 13-1113 EA 24" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,870.06 236.48 425.66 177.36	252.71
33 14 13 13-1114 Push-On Joint Ductile Iron 45 Degree Elbow (33 14 13 13-1086)		
33 14 13 13-1115 EA 4" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	142.88 8.41 15.13 6.31	38.81
33 14 13 13-1116 EA 6" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	210.35 12.36 22.25 9.27	57.25
33 14 13 13-1117 EA 8" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	284.83 18.18 32.72 13.63	67.96
33 14 13 13-1118 EA 10" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	436.99 27.95 50.31 20.96	76.13
33 14 13 13-1119 EA 12" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	556.84 37.22 67.00 27.92	89.33
33 14 13 13-1120 EA 14" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	768.37 56.12 101.01 42.09	100.21
33 14 13 13-1121 EA 16" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,108.29 87.16 156.89 65.37	114.56
33 14 13 13-1122 EA 18" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,299.23 96.79 174.22 72.59	160.38
33 14 13 13-1123 EA 20" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,796.81 139.26 250.66 104.44	202.14

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1124	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron.....	2,231.27	252.71
		For Cement Mortar Lining (CML), Add	172.60	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	310.67	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	129.45	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1125		Push-On Joint Ductile Iron Tee (33 14 13 13-1086)		
33 14 13 13-1126	EA	4" Tee, Push-On Joint Ductile Iron.....	255.02	57.25
		For Cement Mortar Lining (CML), Add	16.83	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	30.29	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.62	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1127	EA	6" Tee, Push-On Joint Ductile Iron.....	357.74	84.12
		For Cement Mortar Lining (CML), Add	23.02	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	41.44	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.27	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1128	EA	8" Tee, Push-On Joint Ductile Iron.....	481.02	101.95
		For Cement Mortar Lining (CML), Add	32.64	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	58.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.48	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1129	EA	10" Tee, Push-On Joint Ductile Iron.....	687.19	115.71
		For Cement Mortar Lining (CML), Add	51.36	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	92.45	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.52	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1130	EA	12" Tee, Push-On Joint Ductile Iron.....	850.22	133.41
		For Cement Mortar Lining (CML), Add	64.77	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	116.59	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.58	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1131	EA	14" Tee, Push-On Joint Ductile Iron.....	1,335.58	160.38
		For Cement Mortar Lining (CML), Add	109.26	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	196.67	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.94	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1132	EA	16" Tee, Push-On Joint Ductile Iron.....	1,911.23	200.52
		For Cement Mortar Lining (CML), Add	160.75	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	289.35	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.56	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1133	EA	18" Tee, Push-On Joint Ductile Iron.....	2,411.77	267.52
		For Cement Mortar Lining (CML), Add	200.64	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	361.16	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.48	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1134	EA	20" Tee, Push-On Joint Ductile Iron.....	2,848.92	326.42
		For Cement Mortar Lining (CML), Add	235.44	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	423.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	176.58	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1135	EA	24" Tee, Push-On Joint Ductile Iron.....	3,719.39	407.99
		For Cement Mortar Lining (CML), Add	310.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	558.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	232.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1136		Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1086)		



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1137 EA 4" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	398.22 19.43 34.97 14.57	134.61
33 14 13 13-1138 EA 6" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	487.98 23.55 42.39 17.66	166.66
33 14 13 13-1139 EA 8" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	633.09 33.85 60.93 25.39	194.38
33 14 13 13-1140 EA 10" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	875.47 44.16 79.48 33.12	286.39
33 14 13 13-1141 EA 12" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,055.19 55.93 100.67 41.95	327.34
33 14 13 13-1142 EA 14" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,211.09 67.70 121.87 50.78	352.46
33 14 13 13-1143 EA 16" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,432.21 85.37 153.66 64.02	381.85
33 14 13 13-1144 EA 18" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,695.10 100.08 180.15 75.06	458.21
33 14 13 13-1145 EA 20" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,963.58 119.22 214.59 89.41	509.13
33 14 13 13-1146 EA 24" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,450.21 156.01 280.82 117.01	587.46
33 14 13 13-1147 EA 30" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,868.09 280.00 504.00 210.00	704.91
33 14 13 13-1148 EA 36" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,330.24 399.51 719.12 299.63	881.14

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1149 EA 42" Flanged End x Push-On Joint Adapter, Ductile Iron	6,715.98	1,018.25
For Cement Mortar Lining (CML), Add	517.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	931.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	387.99	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1150 EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron	8,573.85	1,309.15
For Cement Mortar Lining (CML), Add	659.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,186.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	494.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1151 EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron	10,402.80	1,527.73
For Cement Mortar Lining (CML), Add	808.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,455.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	606.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1152 Push-On Joint Ductile Iron Pipe And Fitting Restraints <small>(33 14 13 13-1086)</small>		
Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1153 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	38.56	20.96
33 14 13 13-1154 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	51.80	27.34
33 14 13 13-1155 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	68.47	28.32
33 14 13 13-1156 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	78.58	30.07
33 14 13 13-1157 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	91.81	33.41
33 14 13 13-1158 EA 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	112.68	37.58
33 14 13 13-1159 EA 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	131.94	42.95
33 14 13 13-1160 EA 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	147.40	46.54
33 14 13 13-1161 EA 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	172.99	55.84
33 14 13 13-1162 EA 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	201.50	57.99
33 14 13 13-1163 EA 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	251.52	64.44
33 14 13 13-1164 EA 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	318.31	69.79
33 14 13 13-1165 EA 42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	386.23	76.37
33 14 13 13-1166 EA 48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	452.82	85.92
33 14 13 13-1167 EA 54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	608.04	93.17
33 14 13 13-1168 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) <small>(33 14 13 13-1086)</small>		
33 14 13 13-1169 EA 4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	234.58	78.11
33 14 13 13-1170 EA 6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	307.77	95.34
33 14 13 13-1171 EA 8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	394.91	116.29
33 14 13 13-1172 EA 10" Bell Restraint Harness, Ductile Iron (MEGALUG® 171000)	588.23	141.86
33 14 13 13-1173 EA 12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	729.01	172.99
33 14 13 13-1174 EA 14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,238.65	211.05
33 14 13 13-1175 EA 16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,417.58	257.57
33 14 13 13-1176 EA 18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,613.86	314.15
33 14 13 13-1177 EA 20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,184.57	383.35
33 14 13 13-1178 EA 24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	2,781.95	467.59
33 14 13 13-1179 EA 30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	4,752.24	570.57
33 14 13 13-1180 EA 36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	6,719.16	696.00
33 14 13 13-1181 EA 42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	12,118.86	849.20
33 14 13 13-1182 EA 48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	15,665.02	1,035.95
33 14 13 13-1183 Ductile Iron Pipe Repair <small>(33 14 13 13-0001)</small>		
See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
33 14 13 13-1184 Ductile Iron Pipe Repair <small>(33 14 13 13-1183)</small>		
Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.		
33 14 13 13-1185 EA 30" Diameter Mechanical Ductile Iron Push Joint	2,718.30	
33 14 13 13-1186 EA 36" Diameter Mechanical Ductile Iron Push Joint	3,412.71	
33 14 13 13-1187 EA 42" Diameter Mechanical Ductile Iron Push Joint	4,226.47	
33 14 13 13-1188 EA 48" Diameter Mechanical Ductile Iron Push Joint	5,279.79	
33 14 13 13-1189 EA 54" Diameter Mechanical Ductile Iron Push Joint	7,543.14	
33 14 13 13-1190 WEKO Seals <small>(33 14 13 13-1183)</small>		
Note: Internal joint seal.		
33 14 13 13-1191 EA 16" WEKO Internal Joint Seal	1,408.24	234.88
For Extra Wide Seals, Add	87.80	
33 14 13 13-1192 EA 18" WEKO Internal Joint Seal	1,498.89	248.02
For Extra Wide Seals, Add	88.80	
33 14 13 13-1193 EA 20" WEKO Internal Joint Seal	1,589.35	261.15
For Extra Wide Seals, Add	89.79	
33 14 13 13-1194 EA 24" WEKO Internal Joint Seal	1,687.32	282.04
For Extra Wide Seals, Add	91.37	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1195 EA 30" WEKO Internal Joint Seal <i>For Extra Wide Seals, Add</i>	1,749.44 92.95	302.93
33 14 13 13-1196 EA 36" WEKO Internal Joint Seal <i>For Extra Wide Seals, Add</i>	1,842.75 94.93	329.06
33 14 13 13-1197 EA 42" WEKO Internal Joint Seal <i>For Extra Wide Seals, Add</i>	1,970.89 97.30	360.39
33 14 13 13-1198 EA 48" WEKO Internal Joint Seal <i>For Extra Wide Seals, Add</i>	2,126.96 99.28	386.51
33 14 13 13-1199 EA 54" WEKO Internal Joint Seal <i>For Extra Wide Seals, Add</i>	2,210.60 100.86	407.40
33 14 13 13-1200 EA 60" WEKO Internal Joint Seal <i>For Extra Wide Seals, Add</i>	2,313.66 103.24	438.74
33 14 13 23 Plastic Public Water Utility Distribution Piping (33 14 13)		
33 14 13 23-0001 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe (33 14 13 23) Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0002 AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0003 LF 4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	10.13	3.68
33 14 13 23-0004 LF 6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	14.58	4.45
33 14 13 23-0005 LF 8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	19.80	5.01
33 14 13 23-0006 LF 10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	25.88	5.57
33 14 13 23-0007 LF 12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	33.35	6.23
33 14 13 23-0008 AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0009 LF 4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	11.13	3.68
33 14 13 23-0010 LF 6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	16.65	4.45
33 14 13 23-0011 LF 8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	23.29	5.01
33 14 13 23-0012 LF 10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	31.30	5.57
33 14 13 23-0013 LF 12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	40.91	6.23
33 14 13 23-0014 AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0015 LF 4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	12.11	3.68
33 14 13 23-0016 LF 6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	18.70	4.45
33 14 13 23-0017 LF 8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	26.77	5.01
33 14 13 23-0018 LF 10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	36.60	5.57
33 14 13 23-0019 LF 12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	48.46	6.23
33 14 13 23-0020 AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0021 LF 18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	52.30	9.36
33 14 13 23-0022 LF 20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	63.73	11.14
33 14 13 23-0023 LF 24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	85.27	13.37
33 14 13 23-0024 LF 30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	122.67	15.60
33 14 13 23-0025 LF 36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	168.81	17.83
33 14 13 23-0026 LF 42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	213.39	18.94
33 14 13 23-0027 LF 48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	269.75	20.39
33 14 13 23-0028 AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0029 LF 14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	38.61	7.02
33 14 13 23-0030 LF 16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	48.32	7.80
33 14 13 23-0031 LF 18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	59.87	9.36
33 14 13 23-0032 LF 20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	73.56	11.14
33 14 13 23-0033 LF 24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	100.43	13.37
33 14 13 23-0034 LF 30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	144.41	15.60
33 14 13 23-0035 LF 36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	197.94	17.83
33 14 13 23-0036 LF 42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	261.83	18.94
33 14 13 23-0037 LF 48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	332.59	20.39
33 14 13 23-0038 AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0039 LF 14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	44.44	7.02
33 14 13 23-0040 LF 16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	56.40	7.80
33 14 13 23-0041 LF 18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	69.92	9.36
33 14 13 23-0042 LF 20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	86.59	11.14
33 14 13 23-0043 LF 24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	119.14	13.37
33 14 13 23-0044 LF 30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	172.53	15.60
33 14 13 23-0045 LF 36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	238.97	17.83
33 14 13 23-0046 LF 42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	310.44	18.94
33 14 13 23-0047 LF 48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	396.03	20.39
33 14 13 23-0048 AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0049 LF 14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	54.40	7.02
33 14 13 23-0050 LF 16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	68.23	7.80
33 14 13 23-0051 LF 18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	85.15	9.36

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0052 LF 20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	104.98	11.14
33 14 13 23-0053 LF 24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	145.66	13.37
33 14 13 23-0054 LF 30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	214.15	15.60
33 14 13 23-0055 LF 36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	302.96	17.83
33 14 13 23-0056 LF 42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	404.29	18.94
33 14 13 23-0057 LF 48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	521.97	20.39
33 14 13 23-0058 AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0059 LF 14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	61.89	7.02
33 14 13 23-0060 LF 16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	77.97	7.80
33 14 13 23-0061 LF 18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	97.43	9.36
33 14 13 23-0062 LF 20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	120.28	11.14
33 14 13 23-0063 LF 24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	167.67	13.37
33 14 13 23-0064 LF 30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	248.00	15.60
33 14 13 23-0065 LF 36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	352.41	17.83
33 14 13 23-0066 LF 42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	472.06	18.94
33 14 13 23-0067 AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0068 LF 14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	69.18	7.02
33 14 13 23-0069 LF 16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	87.44	7.80
33 14 13 23-0070 LF 18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	109.37	9.36
33 14 13 23-0071 LF 20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	135.16	11.14
33 14 13 23-0072 LF 24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	189.07	13.37
33 14 13 23-0073 LF 30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	280.93	15.60
33 14 13 23-0074 LF 36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	400.53	17.83
33 14 13 23-0075 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings (33 14 13 23)		
Note: Includes rubber gaskets.		
33 14 13 23-0076 90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0077 EA 4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	190.18	14.35
For DR 25, Deduct	-9.69	
33 14 13 23-0078 EA 6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	384.78	16.14
For DR 25, Deduct	-21.15	
33 14 13 23-0079 EA 8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	575.79	17.94
For DR 25, Deduct	-32.39	
33 14 13 23-0080 EA 10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	881.46	29.38
For DR 25, Deduct	-49.36	
33 14 13 23-0081 EA 12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,151.36	48.98
For DR 25, Deduct	-63.21	
33 14 13 23-0082 EA 14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,724.18	61.22
For DR 25, Deduct	-96.11	
33 14 13 23-0083 EA 16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,057.78	73.47
For DR 25, Deduct	-114.65	
33 14 13 23-0084 EA 18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,519.95	97.95
For DR 25, Deduct	-199.44	
33 14 13 23-0085 EA 20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,333.92	122.45
For DR 25, Deduct	-245.34	
33 14 13 23-0086 EA 24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,179.24	165.30
For DR 25, Deduct	-410.92	
33 14 13 23-0087 45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0088 EA 4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	169.10	14.35
For DR 25, Deduct	-8.42	
33 14 13 23-0089 EA 6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	289.15	16.14
For DR 25, Deduct	-15.41	
33 14 13 23-0090 EA 8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	365.54	17.94
For DR 25, Deduct	-19.78	
33 14 13 23-0091 EA 10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	519.90	29.38
For DR 25, Deduct	-27.67	
33 14 13 23-0092 EA 12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	698.95	48.98
For DR 25, Deduct	-36.06	
33 14 13 23-0093 EA 14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,330.67	61.22
For DR 25, Deduct	-72.49	
33 14 13 23-0094 EA 16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,684.96	73.47
For DR 25, Deduct	-92.28	
33 14 13 23-0095 EA 18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,896.61	97.95
For DR 25, Deduct	-162.04	
33 14 13 23-0096 EA 20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,598.04	122.45
For DR 25, Deduct	-201.19	
33 14 13 23-0097 EA 24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,074.58	165.30
For DR 25, Deduct	-284.64	
33 14 13 23-0098 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0099 EA 4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	166.54	14.35
For DR 25, Deduct	-8.27	
33 14 13 23-0100 EA 6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	289.15	16.14
For DR 25, Deduct	-15.41	
33 14 13 23-0101 EA 8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	365.55	17.94
For DR 25, Deduct	-19.78	
33 14 13 23-0102 EA 10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	519.92	29.38
For DR 25, Deduct	-27.67	
33 14 13 23-0103 EA 12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	698.95	48.98
For DR 25, Deduct	-36.06	
33 14 13 23-0104 EA 14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,325.75	58.77
For DR 25, Deduct	-72.49	
33 14 13 23-0105 EA 16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,684.93	73.47
For DR 25, Deduct	-92.28	
33 14 13 23-0106 EA 18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,896.61	97.95
For DR 25, Deduct	-162.04	
33 14 13 23-0107 EA 20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,598.04	122.45
For DR 25, Deduct	-201.19	
33 14 13 23-0108 EA 24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,074.58	165.30
For DR 25, Deduct	-284.64	
33 14 13 23-0109 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0110 EA 4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	147.66	14.35
For DR 25, Deduct	-7.14	
33 14 13 23-0111 EA 6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	289.15	16.14
For DR 25, Deduct	-15.41	
33 14 13 23-0112 EA 8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	365.55	17.94
For DR 25, Deduct	-19.78	
33 14 13 23-0113 EA 10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	519.92	29.38
For DR 25, Deduct	-27.67	
33 14 13 23-0114 EA 12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	698.95	48.98
For DR 25, Deduct	-36.06	
33 14 13 23-0115 EA 14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,325.75	58.77
For DR 25, Deduct	-72.49	
33 14 13 23-0116 EA 16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,684.93	73.47
For DR 25, Deduct	-92.28	
33 14 13 23-0117 EA 18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,896.61	97.95
For DR 25, Deduct	-162.04	
33 14 13 23-0118 EA 20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,598.04	122.45
For DR 25, Deduct	-201.19	
33 14 13 23-0119 EA 24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,074.58	165.30
For DR 25, Deduct	-284.64	
33 14 13 23-0120 Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0121 EA 4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	225.71	16.14
For DR 25, Deduct	-11.61	
33 14 13 23-0122 EA 6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	431.30	17.94
For DR 25, Deduct	-23.73	
33 14 13 23-0123 EA 8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	600.22	20.33
For DR 25, Deduct	-33.57	
33 14 13 23-0124 EA 10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,237.61	36.73
For DR 25, Deduct	-69.85	
33 14 13 23-0125 EA 12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,521.98	73.47
For DR 25, Deduct	-82.51	
33 14 13 23-0126 EA 14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,732.44	91.83
For DR 25, Deduct	-152.93	
33 14 13 23-0127 EA 16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,383.01	110.19
For DR 25, Deduct	-189.75	
33 14 13 23-0128 EA 18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,271.69	146.93
For DR 25, Deduct	-238.67	
33 14 13 23-0129 EA 20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,132.65	183.66
For DR 25, Deduct	-285.92	
33 14 13 23-0130 EA 24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,991.11	124.89
For DR 25, Deduct	-404.48	
33 14 13 23-0131 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0132 EA 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	431.36	23.32
For DR 25, Deduct	-23.08	
33 14 13 23-0133 EA 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	584.44	25.11
For DR 25, Deduct	-32.05	
33 14 13 23-0134 EA 8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	599.17	26.01
For DR 25, Deduct	-32.83	
33 14 13 23-0135 EA 10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	780.41	36.73
For DR 25, Deduct	-42.42	
33 14 13 23-0136 EA 10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,052.10	37.65
For DR 25, Deduct	-58.61	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0137 EA 10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,124.83	38.57
<i>For DR 25, Deduct</i>	-62.86	
33 14 13 23-0138 EA 12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,198.68	56.32
<i>For DR 25, Deduct</i>	-65.16	
33 14 13 23-0139 EA 12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,373.01	57.24
<i>For DR 25, Deduct</i>	-75.51	
33 14 13 23-0140 EA 12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,455.59	58.16
<i>For DR 25, Deduct</i>	-80.36	
33 14 13 23-0141 EA 12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,484.78	63.67
<i>For DR 25, Deduct</i>	-81.45	
33 14 13 23-0142 EA 14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,242.70	66.12
<i>For DR 25, Deduct</i>	-126.63	
33 14 13 23-0143 EA 14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,332.22	67.04
<i>For DR 25, Deduct</i>	-131.89	
33 14 13 23-0144 EA 14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,421.96	67.96
<i>For DR 25, Deduct</i>	-137.16	
33 14 13 23-0145 EA 14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,520.37	73.47
<i>For DR 25, Deduct</i>	-142.41	
33 14 13 23-0146 EA 14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,627.68	83.26
<i>For DR 25, Deduct</i>	-147.67	
33 14 13 23-0147 EA 16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,798.14	80.81
<i>For DR 25, Deduct</i>	-158.19	
33 14 13 23-0148 EA 16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,885.79	80.81
<i>For DR 25, Deduct</i>	-163.45	
33 14 13 23-0149 EA 16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,975.32	81.73
<i>For DR 25, Deduct</i>	-168.71	
33 14 13 23-0150 EA 16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,064.85	82.65
<i>For DR 25, Deduct</i>	-173.97	
33 14 13 23-0151 EA 16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,183.10	97.95
<i>For DR 25, Deduct</i>	-179.23	
33 14 13 23-0152 EA 16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,280.57	102.85
<i>For DR 25, Deduct</i>	-184.49	
33 14 13 23-0153 EA 18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,460.21	105.30
<i>For DR 25, Deduct</i>	-194.98	
33 14 13 23-0154 EA 18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,550.34	106.22
<i>For DR 25, Deduct</i>	-200.27	
33 14 13 23-0155 EA 18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,639.85	107.14
<i>For DR 25, Deduct</i>	-205.53	
33 14 13 23-0156 EA 18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,738.56	112.65
<i>For DR 25, Deduct</i>	-210.80	
33 14 13 23-0157 EA 18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,845.78	122.45
<i>For DR 25, Deduct</i>	-216.05	
33 14 13 23-0158 EA 18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,942.65	127.34
<i>For DR 25, Deduct</i>	-221.28	
33 14 13 23-0159 EA 18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,066.21	134.69
<i>For DR 25, Deduct</i>	-227.81	
33 14 13 23-0160 EA 20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,387.12	129.79
<i>For DR 25, Deduct</i>	-247.65	
33 14 13 23-0161 EA 20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,538.67	130.70
<i>For DR 25, Deduct</i>	-256.64	
33 14 13 23-0162 EA 20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,598.54	131.63
<i>For DR 25, Deduct</i>	-260.12	
33 14 13 23-0163 EA 20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,667.68	137.13
<i>For DR 25, Deduct</i>	-263.60	
33 14 13 23-0164 EA 20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,745.33	146.93
<i>For DR 25, Deduct</i>	-267.09	
33 14 13 23-0165 EA 20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,849.25	151.83
<i>For DR 25, Deduct</i>	-272.74	
33 14 13 23-0166 EA 20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,958.10	159.17
<i>For DR 25, Deduct</i>	-278.39	
33 14 13 23-0167 EA 20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,045.36	171.42
<i>For DR 25, Deduct</i>	-282.15	
33 14 13 23-0168 EA 24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,173.39	172.64
<i>For DR 25, Deduct</i>	-289.69	
33 14 13 23-0169 EA 24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,238.04	173.56
<i>For DR 25, Deduct</i>	-293.46	
33 14 13 23-0170 EA 24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,302.67	174.48
<i>For DR 25, Deduct</i>	-297.22	
33 14 13 23-0171 EA 24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,569.05	179.99
<i>For DR 25, Deduct</i>	-312.54	
33 14 13 23-0172 EA 24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,844.00	189.79
<i>For DR 25, Deduct</i>	-327.87	
33 14 13 23-0173 EA 24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,109.18	194.68
<i>For DR 25, Deduct</i>	-343.19	
33 14 13 23-0174 EA 24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,379.25	202.03
<i>For DR 25, Deduct</i>	-358.51	
33 14 13 23-0175 EA 24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,659.11	214.27
<i>For DR 25, Deduct</i>	-373.83	
33 14 13 23-0176 EA 24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,938.98	226.51
<i>For DR 25, Deduct</i>	-389.16	

33 14 13 23-0177 Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0178 EA 4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	315.30	28.70
For DR 25, Deduct	-15.47	
33 14 13 23-0179 EA 6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	559.54	32.28
For DR 25, Deduct	-29.70	
33 14 13 23-0180 EA 8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	771.56	35.87
For DR 25, Deduct	-41.99	
33 14 13 23-0181 EA 10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,572.11	58.77
For DR 25, Deduct	-87.27	
33 14 13 23-0182 EA 12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,866.10	73.47
For DR 25, Deduct	-103.15	
33 14 13 23-0183 EA 14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,382.07	97.95
For DR 25, Deduct	-191.17	
33 14 13 23-0184 EA 16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,197.44	122.45
For DR 25, Deduct	-237.17	
33 14 13 23-0185 EA 18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,364.85	195.90
For DR 25, Deduct	-298.38	
33 14 13 23-0186 EA 20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,446.51	244.88
For DR 25, Deduct	-357.41	
33 14 13 23-0187 EA 24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	9,087.33	330.59
For DR 25, Deduct	-505.57	
33 14 13 23-0188 Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride		
(PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0189 EA 6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	542.28	30.49
For DR 25, Deduct	-28.88	
33 14 13 23-0190 EA 8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	733.17	32.28
For DR 25, Deduct	-40.12	
33 14 13 23-0191 EA 8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	752.25	34.08
For DR 25, Deduct	-41.05	
33 14 13 23-0192 EA 10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,127.91	44.08
For DR 25, Deduct	-62.39	
33 14 13 23-0193 EA 10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,312.99	45.92
For DR 25, Deduct	-73.27	
33 14 13 23-0194 EA 10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,441.30	47.75
For DR 25, Deduct	-80.75	
33 14 13 23-0195 EA 12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,485.32	63.67
For DR 25, Deduct	-81.48	
33 14 13 23-0196 EA 12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,704.11	65.50
For DR 25, Deduct	-94.39	
33 14 13 23-0197 EA 12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,808.73	67.34
For DR 25, Deduct	-100.44	
33 14 13 23-0198 EA 12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,853.38	78.36
For DR 25, Deduct	-101.80	
33 14 13 23-0199 EA 14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,785.01	73.47
For DR 25, Deduct	-158.28	
33 14 13 23-0200 EA 14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,897.95	75.30
For DR 25, Deduct	-164.84	
33 14 13 23-0201 EA 14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,012.10	77.14
For DR 25, Deduct	-171.47	
33 14 13 23-0202 EA 14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,144.15	88.16
For DR 25, Deduct	-178.07	
33 14 13 23-0203 EA 14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,292.51	107.75
For DR 25, Deduct	-184.62	
33 14 13 23-0204 EA 16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,471.44	88.16
For DR 25, Deduct	-197.71	
33 14 13 23-0205 EA 16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,585.86	90.00
For DR 25, Deduct	-204.35	
33 14 13 23-0206 EA 16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,699.06	91.83
For DR 25, Deduct	-210.92	
33 14 13 23-0207 EA 16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,831.01	102.85
For DR 25, Deduct	-217.52	
33 14 13 23-0208 EA 16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,901.32	122.45
For DR 25, Deduct	-219.39	
33 14 13 23-0209 EA 16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,108.40	132.23
For DR 25, Deduct	-230.64	
33 14 13 23-0210 EA 18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,287.87	112.65
For DR 25, Deduct	-243.75	
33 14 13 23-0211 EA 18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,402.01	114.48
For DR 25, Deduct	-250.38	
33 14 13 23-0212 EA 18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,515.39	116.32
For DR 25, Deduct	-256.97	
33 14 13 23-0213 EA 18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,645.70	127.34
For DR 25, Deduct	-263.46	
33 14 13 23-0214 EA 18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,795.36	146.93
For DR 25, Deduct	-270.09	
33 14 13 23-0215 EA 18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,924.15	156.73
For DR 25, Deduct	-276.64	
33 14 13 23-0216 EA 18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,089.40	171.42
For DR 25, Deduct	-284.79	
33 14 13 23-0217 EA 20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,434.23	137.13
For DR 25, Deduct	-309.60	
33 14 13 23-0218 EA 20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,624.71	138.97
For DR 25, Deduct	-320.81	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0219	EA		20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,701.49	140.81
			<i>For DR 25, Deduct</i>	-325.19	
33 14 13 23-0220	EA		20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,795.83	151.83
			<i>For DR 25, Deduct</i>	-329.53	
33 14 13 23-0221	EA		20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,907.33	171.42
			<i>For DR 25, Deduct</i>	-333.87	
33 14 13 23-0222	EA		20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,043.78	181.21
			<i>For DR 25, Deduct</i>	-340.88	
33 14 13 23-0223	EA		20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,192.35	195.90
			<i>For DR 25, Deduct</i>	-348.03	
33 14 13 23-0224	EA		20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,319.59	220.40
			<i>For DR 25, Deduct</i>	-352.73	
33 14 13 23-0225	EA		24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,360.24	179.99
			<i>For DR 25, Deduct</i>	-360.02	
33 14 13 23-0226	EA		24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,477.68	181.82
			<i>For DR 25, Deduct</i>	-366.84	
33 14 13 23-0227	EA		24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,560.17	183.66
			<i>For DR 25, Deduct</i>	-371.57	
33 14 13 23-0228	EA		24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,901.06	194.68
			<i>For DR 25, Deduct</i>	-390.70	
33 14 13 23-0229	EA		24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,259.19	214.27
			<i>For DR 25, Deduct</i>	-409.84	
33 14 13 23-0230	EA		24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,597.68	224.07
			<i>For DR 25, Deduct</i>	-428.97	
33 14 13 23-0231	EA		24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,947.33	238.77
			<i>For DR 25, Deduct</i>	-448.19	
33 14 13 23-0232	EA		24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,314.52	263.25
			<i>For DR 25, Deduct</i>	-467.28	
33 14 13 23-0233	EA		24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,683.07	287.74
			<i>For DR 25, Deduct</i>	-486.46	
33 14 13 23-0234			Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0235	EA		4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	115.67	14.35
			<i>For DR 25, Deduct</i>	-5.22	
33 14 13 23-0236	EA		6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	211.80	16.14
			<i>For DR 25, Deduct</i>	-10.77	
33 14 13 23-0237	EA		8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	254.40	17.94
			<i>For DR 25, Deduct</i>	-13.11	
33 14 13 23-0238	EA		10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	364.45	29.38
			<i>For DR 25, Deduct</i>	-18.34	
33 14 13 23-0239	EA		12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	575.74	36.73
			<i>For DR 25, Deduct</i>	-30.13	
33 14 13 23-0240	EA		14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	992.97	48.98
			<i>For DR 25, Deduct</i>	-53.70	
33 14 13 23-0241	EA		16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,177.57	61.22
			<i>For DR 25, Deduct</i>	-63.31	
33 14 13 23-0242	EA		18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,799.61	97.95
			<i>For DR 25, Deduct</i>	-156.22	
33 14 13 23-0243	EA		20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,143.62	122.45
			<i>For DR 25, Deduct</i>	-173.92	
33 14 13 23-0244	EA		24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,423.44	165.30
			<i>For DR 25, Deduct</i>	-245.57	
33 14 13 23-0245			Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0246	EA		4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	142.15	14.35
			<i>For DR 25, Deduct</i>	-6.81	
33 14 13 23-0247	EA		6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	191.92	16.14
			<i>For DR 25, Deduct</i>	-9.58	
33 14 13 23-0248	EA		8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	277.03	17.94
			<i>For DR 25, Deduct</i>	-14.47	
33 14 13 23-0249	EA		10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	382.10	29.38
			<i>For DR 25, Deduct</i>	-19.40	
33 14 13 23-0250	EA		12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	613.08	48.98
			<i>For DR 25, Deduct</i>	-30.91	
33 14 13 23-0251	EA		14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,598.86	58.77
			<i>For DR 25, Deduct</i>	-88.88	
33 14 13 23-0252	EA		16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,161.86	73.47
			<i>For DR 25, Deduct</i>	-120.90	
33 14 13 23-0253	EA		18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,666.69	97.95
			<i>For DR 25, Deduct</i>	-148.25	
33 14 13 23-0254	EA		20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,188.13	122.45
			<i>For DR 25, Deduct</i>	-176.60	
33 14 13 23-0255	EA		24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,330.56	165.30
			<i>For DR 25, Deduct</i>	-240.00	
33 14 13 23-0256			Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping <small>(33 14 13 23)</small>		
33 14 13 23-0257			Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <small>(33 14 13 23-0256)</small>		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0258 LF 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.76	0.96
For >1,000, Deduct	-0.14	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.06	
33 14 13 23-0259 LF 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.06	1.03
For >1,000, Deduct	-0.15	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.07	
33 14 13 23-0260 LF 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.58	1.12
For >1,000, Deduct	-0.18	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.12	
33 14 13 23-0261 LF 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.16	1.24
For >1,000, Deduct	-0.21	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.16	
33 14 13 23-0262 LF 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	5.43	1.39
For >1,000, Deduct	-0.27	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.29	
33 14 13 23-0263 LF 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	7.04	1.58
For >1,000, Deduct	-0.35	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.47	
33 14 13 23-0264 LF 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	8.48	1.69
For >1,000, Deduct	-0.42	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.63	
33 14 13 23-0265 LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	12.14	2.09
For >1,000, Deduct	-0.61	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.04	
33 14 13 23-0266 LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	21.72	2.65
For >1,000, Deduct	-1.09	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.26	
33 14 13 23-0267 LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	35.35	3.92
For >1,000, Deduct	-1.77	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	3.83	
33 14 13 23-0268 LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	52.83	5.24
For >1,000, Deduct	-2.64	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	5.96	
33 14 13 23-0269 LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	73.60	7.05
For >1,000, Deduct	-3.68	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	8.40	
33 14 13 23-0270 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0271 EA 3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	29.12	11.48
33 14 13 23-0272 EA 1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	36.83	14.35
33 14 13 23-0273 EA 1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	46.44	17.94
33 14 13 23-0274 EA 1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	71.61	19.85
33 14 13 23-0275 EA 2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	77.34	22.24
33 14 13 23-0276 EA 2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	91.79	25.23
33 14 13 23-0277 EA 3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	100.19	27.21
33 14 13 23-0278 EA 4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	140.59	33.41
33 14 13 23-0279 EA 6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	204.49	42.45
33 14 13 23-0280 EA 8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	335.84	55.72
33 14 13 23-0281 EA 10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	410.82	74.55
33 14 13 23-0282 EA 12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	542.43	100.35
33 14 13 23-0283 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0284 EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	29.71	11.48
33 14 13 23-0285 EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	37.26	14.35
33 14 13 23-0286 EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	46.69	17.94
33 14 13 23-0287 EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	63.88	19.85
33 14 13 23-0288 EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	78.05	22.24
33 14 13 23-0289 EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	94.70	25.23
33 14 13 23-0290 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	98.96	27.21
33 14 13 23-0291 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	137.93	33.41
33 14 13 23-0292 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	199.14	42.45
33 14 13 23-0293 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	325.63	55.72
33 14 13 23-0294 EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	368.50	74.55
33 14 13 23-0295 EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	483.87	100.35
33 14 13 23-0296 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0297 EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	43.64	17.22
33 14 13 23-0298 EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	55.10	21.64
33 14 13 23-0299 EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	69.14	27.02
33 14 13 23-0300 EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	97.91	29.90
33 14 13 23-0301 EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	111.62	33.24
33 14 13 23-0302 EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	130.14	37.91
33 14 13 23-0303 EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	153.55	40.70
33 14 13 23-0304 EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	203.01	50.17
33 14 13 23-0305 EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	343.71	63.78
33 14 13 23-0306 EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	519.49	83.59
33 14 13 23-0307 EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	627.62	125.74
33 14 13 23-0308 EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	782.67	169.22

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0309 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0310 EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	19.51	7.66
33 14 13 23-0311 EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	26.34	10.29
33 14 13 23-0312 EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	35.24	13.51
33 14 13 23-0313 EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	50.18	14.95
33 14 13 23-0314 EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	55.29	16.63
33 14 13 23-0315 EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	62.88	18.89
33 14 13 23-0316 EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	70.34	20.35
33 14 13 23-0317 EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	97.62	25.03
33 14 13 23-0318 EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	141.06	31.89
33 14 13 23-0319 EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	244.34	41.79
33 14 13 23-0320 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	297.20	62.93
33 14 13 23-0321 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	377.94	84.61
33 14 13 23-0322 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0323 Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0322)		
33 14 13 23-0324 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.05	0.96
For >1,000, Deduct	-0.15	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.10	
33 14 13 23-0325 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.63	1.03
For >1,000, Deduct	-0.18	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.16	
33 14 13 23-0326 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.68	1.24
For >1,000, Deduct	-0.23	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.24	
33 14 13 23-0327 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.62	1.39
For >1,000, Deduct	-0.28	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.32	
33 14 13 23-0328 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	7.35	1.58
For >1,000, Deduct	-0.37	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.51	
33 14 13 23-0329 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	8.68	1.69
For >1,000, Deduct	-0.43	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.66	
33 14 13 23-0330 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	11.60	2.09
For >1,000, Deduct	-0.58	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.96	
33 14 13 23-0331 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	17.77	2.65
For >1,000, Deduct	-0.89	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.67	
33 14 13 23-0332 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 14 13 23-0322)		
33 14 13 23-0333 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	29.33	11.48
33 14 13 23-0334 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	36.96	14.35
33 14 13 23-0335 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	51.44	19.85
33 14 13 23-0336 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	58.18	22.24
33 14 13 23-0337 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	70.27	25.23
33 14 13 23-0338 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	76.64	27.21
33 14 13 23-0339 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	101.18	33.41
33 14 13 23-0340 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	162.30	42.45
33 14 13 23-0341 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (33 14 13 23-0322)		
33 14 13 23-0342 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	29.28	11.48
33 14 13 23-0343 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	36.91	14.35
33 14 13 23-0344 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	51.46	19.85
33 14 13 23-0345 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	57.98	22.24
33 14 13 23-0346 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	69.72	25.23
33 14 13 23-0347 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	76.00	27.21
33 14 13 23-0348 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	99.88	33.41
33 14 13 23-0349 EA 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	158.15	42.45
33 14 13 23-0350 Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes (33 14 13 23-0322)		
33 14 13 23-0351 EA 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	43.86	17.22
33 14 13 23-0352 EA 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	55.27	21.64
33 14 13 23-0353 EA 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	76.90	29.90
33 14 13 23-0354 EA 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	86.55	33.24
33 14 13 23-0355 EA 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	105.71	37.91
33 14 13 23-0356 EA 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	117.61	40.70
33 14 13 23-0357 EA 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	146.47	50.17
33 14 13 23-0358 EA 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	247.42	63.78
33 14 13 23-0359 Schedule 40 Polyvinyl Chloride (PVC) Couplings (33 14 13 23-0322)		
33 14 13 23-0360 EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	19.61	7.66
33 14 13 23-0361 EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	26.43	10.29
33 14 13 23-0362 EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	38.32	14.95



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0363 EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	43.26	16.63
33 14 13 23-0364 EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	50.94	18.89
33 14 13 23-0365 EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	56.50	20.35
33 14 13 23-0366 EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	70.07	25.03
33 14 13 23-0367 EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	105.23	31.89
33 14 13 23-0368 Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0369 EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	58.67	22.96
33 14 13 23-0370 EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	73.61	28.82
33 14 13 23-0371 EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	102.51	39.82
33 14 13 23-0372 EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	115.40	44.37
33 14 13 23-0373 EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	140.90	50.47
33 14 13 23-0374 EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	156.72	54.31
33 14 13 23-0375 EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	195.17	66.82
33 14 13 23-0376 EA 6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	329.37	85.00
33 14 13 23-0377 Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0378 Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0377)		
33 14 13 23-0379 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.95	1.03
For >1,000, Deduct	-0.20	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.21	
33 14 13 23-0380 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.34	1.24
For >1,000, Deduct	-0.27	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.34	
33 14 13 23-0381 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	6.72	1.39
For >1,000, Deduct	-0.34	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.49	
33 14 13 23-0382 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	8.78	1.58
For >1,000, Deduct	-0.44	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.73	
33 14 13 23-0383 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	10.67	1.69
For >1,000, Deduct	-0.53	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.96	
33 14 13 23-0384 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	14.65	2.09
For >1,000, Deduct	-0.73	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.41	
33 14 13 23-0385 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	24.56	2.65
For >1,000, Deduct	-1.23	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.69	
33 14 13 23-0386 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 14 13 23-0377)		
33 14 13 23-0387 EA 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	38.65	14.35
33 14 13 23-0388 EA 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	51.44	19.85
33 14 13 23-0389 EA 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	59.87	22.24
33 14 13 23-0390 EA 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	73.86	25.23
33 14 13 23-0391 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	79.98	27.21
33 14 13 23-0392 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	101.98	33.41
33 14 13 23-0393 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	158.50	42.45
33 14 13 23-0394 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (33 14 13 23-0377)		
33 14 13 23-0395 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	45.57	14.35
33 14 13 23-0396 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	58.10	19.85
33 14 13 23-0397 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	66.28	22.24
33 14 13 23-0398 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	85.88	25.23
33 14 13 23-0399 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	95.63	27.21
33 14 13 23-0400 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	133.45	33.41
33 14 13 23-0401 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	156.39	42.45
33 14 13 23-0402 Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes (33 14 13 23-0377)		
33 14 13 23-0403 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	58.82	21.64
33 14 13 23-0404 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	87.66	29.90
33 14 13 23-0405 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	99.38	33.24
33 14 13 23-0406 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	112.50	37.91
33 14 13 23-0407 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	124.10	40.70
33 14 13 23-0408 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	151.16	50.17
33 14 13 23-0409 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	247.25	63.78
33 14 13 23-0410 Schedule 80 Polyvinyl Chloride (PVC) Couplings (33 14 13 23-0377)		
33 14 13 23-0411 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	28.96	10.29
33 14 13 23-0412 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	42.67	14.95
33 14 13 23-0413 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	47.36	16.63
33 14 13 23-0414 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	61.44	18.89
33 14 13 23-0415 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	67.09	20.35
33 14 13 23-0416 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	82.94	25.03

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0417	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	123.21	31.89
33 14 13 23-0418		Crosses, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0377)</small>		
33 14 13 23-0419	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	78.32	28.82
33 14 13 23-0420	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	116.79	39.82
33 14 13 23-0421	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	132.43	44.37
33 14 13 23-0422	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	149.91	50.47
33 14 13 23-0423	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	165.34	54.31
33 14 13 23-0424	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	201.39	66.82
33 14 13 23-0425	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	329.14	85.00
33 14 13 23-0426		AWWA C906, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23)</small>		
		Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
33 14 13 23-0427		High Density Polyethylene (HDPE) Pressure Pipe <small>(33 14 13 23-0426)</small>		
33 14 13 23-0428	LF	3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	7.99	2.90
		<i>For SDR 19, Add</i>	0.19	
		<i>For SDR 17, Add</i>	0.48	
		<i>For SDR 15.5, Add</i>	0.70	
		<i>For SDR 13.5, Add</i>	1.09	
		<i>For SDR 11, Add</i>	1.75	
33 14 13 23-0429	LF	4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	9.35	3.68
		<i>For SDR 26, Deduct</i>	-0.37	
		<i>For SDR 19, Add</i>	0.18	
		<i>For SDR 17, Add</i>	0.44	
		<i>For SDR 15.5, Add</i>	0.65	
		<i>For SDR 13.5, Add</i>	1.02	
		<i>For SDR 11, Add</i>	1.64	
33 14 13 23-0430	LF	6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	13.23	4.45
		<i>For SDR 26, Deduct</i>	-0.79	
		<i>For SDR 19, Add</i>	0.39	
		<i>For SDR 17, Add</i>	0.96	
		<i>For SDR 15.5, Add</i>	1.41	
		<i>For SDR 13.5, Add</i>	2.19	
		<i>For SDR 11, Add</i>	3.53	
33 14 13 23-0431	LF	8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	17.37	5.01
		<i>For SDR 26, Deduct</i>	-1.35	
		<i>For SDR 19, Add</i>	0.66	
		<i>For SDR 17, Add</i>	1.63	
		<i>For SDR 15.5, Add</i>	2.39	
		<i>For SDR 13.5, Add</i>	3.73	
		<i>For SDR 11, Add</i>	6.00	
33 14 13 23-0432	LF	10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	22.55	5.57
		<i>For SDR 26, Deduct</i>	-2.09	
		<i>For SDR 19, Add</i>	1.03	
		<i>For SDR 17, Add</i>	2.54	
		<i>For SDR 15.5, Add</i>	3.71	
		<i>For SDR 13.5, Add</i>	5.80	
		<i>For SDR 11, Add</i>	9.33	
33 14 13 23-0433	LF	12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	28.82	62.40
		<i>For SDR 26, Deduct</i>	-3.02	
		<i>For SDR 19, Add</i>	1.48	
		<i>For SDR 17, Add</i>	3.66	
		<i>For SDR 15.5, Add</i>	5.35	
		<i>For SDR 13.5, Add</i>	8.35	
		<i>For SDR 11, Add</i>	13.45	
33 14 13 23-0434	LF	14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	33.26	7.02
		<i>For SDR 26, Deduct</i>	-3.55	
		<i>For SDR 19, Add</i>	1.74	
		<i>For SDR 17, Add</i>	4.30	
		<i>For SDR 15.5, Add</i>	6.29	
		<i>For SDR 13.5, Add</i>	9.82	
		<i>For SDR 11, Add</i>	15.81	
33 14 13 23-0435	LF	16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	40.86	7.80
		<i>For SDR 26, Deduct</i>	-4.63	
		<i>For SDR 19, Add</i>	2.27	
		<i>For SDR 17, Add</i>	5.61	
		<i>For SDR 15.5, Add</i>	8.22	
		<i>For SDR 13.5, Add</i>	12.83	
		<i>For SDR 11, Add</i>	20.65	
33 14 13 23-0436	LF	18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	50.70	9.36
		<i>For SDR 26, Deduct</i>	-5.85	
		<i>For SDR 19, Add</i>	2.87	
		<i>For SDR 17, Add</i>	7.09	
		<i>For SDR 15.5, Add</i>	10.39	
		<i>For SDR 13.5, Add</i>	16.22	
		<i>For SDR 11, Add</i>	26.10	
33 14 13 23-0437	LF	20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	91.37	11.14
		<i>For SDR 26, Deduct</i>	-12.66	
		<i>For SDR 19, Add</i>	6.22	
		<i>For SDR 17, Add</i>	15.35	
		<i>For SDR 15.5, Add</i>	22.48	
		<i>For SDR 13.5, Add</i>	35.09	
		<i>For SDR 11, Add</i>	56.48	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0438 LF 24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	83.55	13.97
For SDR 26, Deduct	-10.41	
For SDR 19, Add	5.11	
For SDR 17, Add	12.62	
For SDR 15.5, Add	18.49	
For SDR 13.5, Add	28.85	
For SDR 11, Add	46.44	
33 14 13 23-0439 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping^(33 14)		
33 14 13 23-0440 EA 3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	66.43	17.94
For SDR 26, Deduct	-2.31	
For SDR 19, Add	1.14	
For SDR 17, Add	2.80	
For SDR 15.5, Add	4.11	
For SDR 13.5, Add	6.41	
For SDR 11, Add	10.32	
33 14 13 23-0441 EA 4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	74.83	19.94
For SDR 26, Deduct	-2.76	
For SDR 19, Add	1.35	
For SDR 17, Add	3.34	
For SDR 15.5, Add	4.89	
For SDR 13.5, Add	7.64	
For SDR 11, Add	12.30	
33 14 13 23-0442 EA 6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	108.28	22.78
For SDR 26, Deduct	-7.33	
For SDR 19, Add	3.60	
For SDR 17, Add	8.89	
For SDR 15.5, Add	13.01	
For SDR 13.5, Add	20.31	
For SDR 11, Add	32.69	
33 14 13 23-0443 EA 8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	163.35	26.60
For SDR 26, Deduct	-15.32	
For SDR 19, Add	7.52	
For SDR 17, Add	18.58	
For SDR 15.5, Add	27.20	
For SDR 13.5, Add	42.46	
For SDR 11, Add	68.34	
33 14 13 23-0444 EA 10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	245.83	35.52
For SDR 26, Deduct	-25.58	
For SDR 19, Add	12.56	
For SDR 17, Add	31.00	
For SDR 15.5, Add	45.40	
For SDR 13.5, Add	70.87	
For SDR 11, Add	114.07	
33 14 13 23-0445 EA 12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	363.71	53.16
For SDR 26, Deduct	-37.45	
For SDR 19, Add	18.39	
For SDR 17, Add	45.40	
For SDR 15.5, Add	66.49	
For SDR 13.5, Add	103.77	
For SDR 11, Add	167.03	
33 14 13 23-0446 EA 14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	456.28	70.94
For SDR 26, Deduct	-44.65	
For SDR 19, Add	21.92	
For SDR 17, Add	54.12	
For SDR 15.5, Add	79.26	
For SDR 13.5, Add	123.71	
For SDR 11, Add	199.13	
33 14 13 23-0447 EA 16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	610.48	106.30
For SDR 26, Deduct	-53.47	
For SDR 19, Add	26.25	
For SDR 17, Add	64.81	
For SDR 15.5, Add	94.92	
For SDR 13.5, Add	148.15	
For SDR 11, Add	238.46	
33 14 13 23-0448 EA 18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	755.70	119.58
For SDR 26, Deduct	-72.76	
For SDR 19, Add	35.72	
For SDR 17, Add	88.20	
For SDR 15.5, Add	129.16	
For SDR 13.5, Add	201.61	
For SDR 11, Add	324.50	
33 14 13 23-0449 EA 20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,008.25	135.72
For SDR 26, Deduct	-109.41	
For SDR 19, Add	53.72	
For SDR 17, Add	132.63	
For SDR 15.5, Add	194.23	
For SDR 13.5, Add	303.17	
For SDR 11, Add	487.97	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14	13 23-0450	EA	24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,275.21	159.52
			<i>For SDR 26, Deduct</i>	-146.07	
			<i>For SDR 19, Add</i>	71.72	
			<i>For SDR 17, Add</i>	177.07	
			<i>For SDR 15.5, Add</i>	259.31	
			<i>For SDR 13.5, Add</i>	404.74	
			<i>For SDR 11, Add</i>	651.46	
33 14	13 23-0451		Tees, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23-0426)</small>		
33 14	13 23-0452	EA	3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	72.70	18.77
			<i>For SDR 26, Deduct</i>	-3.02	
			<i>For SDR 19, Add</i>	1.49	
			<i>For SDR 17, Add</i>	3.67	
			<i>For SDR 15.5, Add</i>	5.37	
			<i>For SDR 13.5, Add</i>	8.38	
			<i>For SDR 11, Add</i>	13.49	
33 14	13 23-0453	EA	4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	83.18	21.26
			<i>For SDR 26, Deduct</i>	-3.56	
			<i>For SDR 19, Add</i>	1.75	
			<i>For SDR 17, Add</i>	4.32	
			<i>For SDR 15.5, Add</i>	6.32	
			<i>For SDR 13.5, Add</i>	9.87	
			<i>For SDR 11, Add</i>	15.88	
33 14	13 23-0454	EA	6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	124.34	24.54
			<i>For SDR 26, Deduct</i>	-9.31	
			<i>For SDR 19, Add</i>	4.57	
			<i>For SDR 17, Add</i>	11.28	
			<i>For SDR 15.5, Add</i>	16.52	
			<i>For SDR 13.5, Add</i>	25.79	
			<i>For SDR 11, Add</i>	41.51	
33 14	13 23-0455	EA	8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	215.77	29.00
			<i>For SDR 26, Deduct</i>	-23.61	
			<i>For SDR 19, Add</i>	11.59	
			<i>For SDR 17, Add</i>	28.63	
			<i>For SDR 15.5, Add</i>	41.92	
			<i>For SDR 13.5, Add</i>	65.43	
			<i>For SDR 11, Add</i>	105.32	
33 14	13 23-0456	EA	10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	297.29	42.57
			<i>For SDR 26, Deduct</i>	-31.11	
			<i>For SDR 19, Add</i>	15.27	
			<i>For SDR 17, Add</i>	37.71	
			<i>For SDR 15.5, Add</i>	55.23	
			<i>For SDR 13.5, Add</i>	86.20	
			<i>For SDR 11, Add</i>	138.75	
33 14	13 23-0457	EA	12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	423.12	63.86
			<i>For SDR 26, Deduct</i>	-42.48	
			<i>For SDR 19, Add</i>	20.86	
			<i>For SDR 17, Add</i>	51.49	
			<i>For SDR 15.5, Add</i>	75.41	
			<i>For SDR 13.5, Add</i>	117.71	
			<i>For SDR 11, Add</i>	189.46	
33 14	13 23-0458	EA	14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	511.81	79.76
			<i>For SDR 26, Deduct</i>	-49.98	
			<i>For SDR 19, Add</i>	24.54	
			<i>For SDR 17, Add</i>	60.58	
			<i>For SDR 15.5, Add</i>	88.72	
			<i>For SDR 13.5, Add</i>	138.48	
			<i>For SDR 11, Add</i>	222.89	
33 14	13 23-0459	EA	16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	682.68	119.58
			<i>For SDR 26, Deduct</i>	-59.35	
			<i>For SDR 19, Add</i>	29.14	
			<i>For SDR 17, Add</i>	71.94	
			<i>For SDR 15.5, Add</i>	105.35	
			<i>For SDR 13.5, Add</i>	164.44	
			<i>For SDR 11, Add</i>	264.68	
33 14	13 23-0460	EA	18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	867.73	139.31
			<i>For SDR 26, Deduct</i>	-82.46	
			<i>For SDR 19, Add</i>	40.49	
			<i>For SDR 17, Add</i>	99.96	
			<i>For SDR 15.5, Add</i>	146.39	
			<i>For SDR 13.5, Add</i>	228.49	
			<i>For SDR 11, Add</i>	367.77	
33 14	13 23-0461	EA	20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,192.70	164.55
			<i>For SDR 26, Deduct</i>	-127.13	
			<i>For SDR 19, Add</i>	62.42	
			<i>For SDR 17, Add</i>	154.10	
			<i>For SDR 15.5, Add</i>	225.68	
			<i>For SDR 13.5, Add</i>	352.25	
			<i>For SDR 11, Add</i>	566.97	
33 14	13 23-0462	EA	24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,535.12	199.46
			<i>For SDR 26, Deduct</i>	-171.79	
			<i>For SDR 19, Add</i>	84.35	
			<i>For SDR 17, Add</i>	208.25	
			<i>For SDR 15.5, Add</i>	304.97	
			<i>For SDR 13.5, Add</i>	476.01	
			<i>For SDR 11, Add</i>	766.18	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping <small>(33 14 13)</small> See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
33 14 13 36 Steel Public Water Utility Distribution Piping <small>(33 14 13)</small>		
33 14 13 36-0001 Steel Piping <small>(33 14 13 36)</small>		
33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0001)</small> Note: ASTM A252 steel pipe.		
33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0002)</small>		
33 14 13 36-0004 LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	115.82	30.85
For <100, Add	12.80	
For >1,000, Deduct	-5.79	
33 14 13 36-0005 LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	137.82	30.85
For <100, Add	13.90	
For >1,000, Deduct	-6.89	
33 14 13 36-0006 LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	137.51	33.64
For <100, Add	14.52	
For >1,000, Deduct	-6.88	
33 14 13 36-0007 LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	165.32	33.64
For <100, Add	15.91	
For >1,000, Deduct	-8.27	
33 14 13 36-0008 LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	165.87	35.25
For <100, Add	16.30	
For >1,000, Deduct	-8.29	
33 14 13 36-0009 LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	187.50	35.25
For <100, Add	17.39	
For >1,000, Deduct	-9.38	
33 14 13 36-0010 LF 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	200.57	38.96
For <100, Add	18.88	
For >1,000, Deduct	-10.03	
33 14 13 36-0011 LF 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	217.85	38.96
For <100, Add	19.75	
For >1,000, Deduct	-10.89	
33 14 13 36-0012 LF 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	212.85	41.13
For <100, Add	19.99	
For >1,000, Deduct	-10.64	
33 14 13 36-0013 LF 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	226.20	41.13
For <100, Add	20.66	
For >1,000, Deduct	-11.31	
33 14 13 36-0014 LF 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	263.28	46.26
For <100, Add	23.68	
For >1,000, Deduct	-13.16	
33 14 13 36-0015 LF 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	285.16	46.26
For <100, Add	24.77	
For >1,000, Deduct	-14.26	
33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0002)</small>		
33 14 13 36-0017 LF 12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	230.95	63.31
For <100, Add	21.50	
For >1,000, Deduct	-11.55	
33 14 13 36-0018 LF 14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	273.54	69.64
For <100, Add	24.67	
For >1,000, Deduct	-13.68	
33 14 13 36-0019 LF 16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	303.44	72.81
For <100, Add	26.78	
For >1,000, Deduct	-15.17	
33 14 13 36-0020 LF 18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	342.28	82.30
For <100, Add	30.17	
For >1,000, Deduct	-17.11	
33 14 13 36-0021 LF 18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	357.11	82.30
For <100, Add	30.91	
For >1,000, Deduct	-17.86	
33 14 13 36-0022 LF 20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	370.83	82.30
For <100, Add	31.60	
For >1,000, Deduct	-18.54	
33 14 13 36-0023 LF 20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	386.65	82.30
For <100, Add	32.39	
For >1,000, Deduct	-19.33	
33 14 13 36-0024 LF 24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	448.04	94.97
For <100, Add	37.33	
For >1,000, Deduct	-22.40	
33 14 13 36-0025 LF 24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	496.98	94.97
For <100, Add	39.77	
For >1,000, Deduct	-24.85	
33 14 13 36-0026 LF 24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	617.12	94.97
For <100, Add	45.78	
For >1,000, Deduct	-30.86	
33 14 13 36-0027 LF 30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	556.08	110.79
For <100, Add	45.21	
For >1,000, Deduct	-27.80	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0028	LF		30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	576.10	110.79
			<i>For <100, Add</i>	46.22	
			<i>For >1,000, Deduct</i>	-28.81	
33 14 13 36-0029	LF		30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	764.96	110.79
			<i>For <100, Add</i>	55.66	
			<i>For >1,000, Deduct</i>	-38.25	
33 14 13 36-0030	LF		36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	659.90	110.79
			<i>For <100, Add</i>	50.41	
			<i>For >1,000, Deduct</i>	-33.00	
33 14 13 36-0031	LF		36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	774.08	132.95
			<i>For <100, Add</i>	59.60	
			<i>For >1,000, Deduct</i>	-38.70	
33 14 13 36-0032	LF		36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	920.54	132.95
			<i>For <100, Add</i>	66.92	
			<i>For >1,000, Deduct</i>	-46.03	
33 14 13 36-0033	LF		36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	883.96	132.95
			<i>For <100, Add</i>	65.09	
			<i>For >1,000, Deduct</i>	-44.20	
33 14 13 36-0034	LF		42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,347.47	148.77
			<i>For <100, Add</i>	90.59	
			<i>For >1,000, Deduct</i>	-67.37	
33 14 13 36-0035	LF		42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	825.15	148.77
			<i>For <100, Add</i>	64.47	
			<i>For >1,000, Deduct</i>	-41.26	
33 14 13 36-0036	LF		48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,544.80	167.77
			<i>For <100, Add</i>	103.36	
			<i>For >1,000, Deduct</i>	-77.24	
33 14 13 36-0037	LF		48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	905.80	167.77
			<i>For <100, Add</i>	71.41	
			<i>For >1,000, Deduct</i>	-45.29	
33 14 13 36-0038	LF		54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,620.34	189.93
			<i>For <100, Add</i>	110.86	
			<i>For >1,000, Deduct</i>	-81.02	
33 14 13 36-0039	LF		54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,787.20	189.93
			<i>For <100, Add</i>	119.21	
			<i>For >1,000, Deduct</i>	-89.36	
33 14 13 36-0040	LF		60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,999.58	221.58
			<i>For <100, Add</i>	134.80	
			<i>For >1,000, Deduct</i>	-99.98	
33 14 13 36-0041	LF		66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,406.32	221.58
			<i>For <100, Add</i>	105.14	
			<i>For >1,000, Deduct</i>	-70.32	
33 14 13 36-0042	LF		72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,567.73	180.71
			<i>For <100, Add</i>	132.60	
			<i>For >1,000, Deduct</i>	-78.39	
33 14 13 36-0043	LF		78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	2,907.53	180.71
			<i>For <100, Add</i>	199.59	
			<i>For >1,000, Deduct</i>	-145.38	
33 14 13 36-0044			Flexible Couplings (Dresser Style 38) <small>(33 14 13 36-0001)</small>		
33 14 13 36-0045	EA		2" Dresser Coupling For Plain End Welded Steel Pipe.....	128.90	35.22
33 14 13 36-0046	EA		3" Dresser Coupling For Plain End Welded Steel Pipe.....	199.35	67.74
33 14 13 36-0047	EA		4" Dresser Coupling For Plain End Welded Steel Pipe.....	265.38	89.43
33 14 13 36-0048	EA		6" Dresser Coupling For Plain End Welded Steel Pipe.....	418.66	135.49
33 14 13 36-0049	EA		8" Dresser Coupling For Plain End Welded Steel Pipe.....	543.79	170.71
33 14 13 36-0050	EA		10" Dresser Coupling For Plain End Welded Steel Pipe.....	666.61	173.57
33 14 13 36-0051	EA		12" Dresser Coupling For Plain End Welded Steel Pipe.....	794.59	217.54
33 14 13 36-0052	EA		14" Dresser Coupling For Plain End Welded Steel Pipe.....	854.82	217.54
33 14 13 36-0053	EA		16" Dresser Coupling For Plain End Welded Steel Pipe.....	904.24	248.78
33 14 13 36-0054	EA		18" Dresser Coupling For Plain End Welded Steel Pipe.....	989.18	266.14
33 14 13 36-0055	EA		20" Dresser Coupling For Plain End Welded Steel Pipe.....	1,078.64	300.85
33 14 13 36-0056	EA		24" Dresser Coupling For Plain End Welded Steel Pipe.....	1,346.95	318.21
33 14 13 36-0057	EA		30" Dresser Coupling For Plain End Welded Steel Pipe.....	1,604.49	347.13
33 14 13 36-0058	EA		36" Dresser Coupling For Plain End Welded Steel Pipe.....	1,876.55	390.53
33 14 13 36-0059	EA		42" Dresser Coupling For Plain End Welded Steel Pipe.....	2,161.22	439.70
33 14 13 36-0060	EA		48" Dresser Coupling For Plain End Welded Steel Pipe.....	2,514.53	506.24
33 14 13 36-0061	EA		54" Dresser Coupling For Plain End Welded Steel Pipe.....	2,794.08	578.55
33 14 13 36-0062	EA		60" Dresser Coupling For Plain End Welded Steel Pipe.....	3,234.47	723.19
33 14 13 36-0063	EA		66" Dresser Coupling For Plain End Welded Steel Pipe.....	3,737.79	879.40
33 14 13 36-0064	EA		72" Dresser Coupling For Plain End Welded Steel Pipe.....	4,457.30	1,041.39
33 14 13 39			Copper Public Water Utility Distribution Piping <small>(33 14 13)</small>		
33 14 13 39-0001			Type L Copper Water Distribution Piping <small>(33 14 13 39)</small>		
33 14 13 39-0002	LF		1/2" Type L Copper Water Distribution Pipe.....	9.10	2.38
33 14 13 39-0003	LF		3/4" Type L Copper Water Distribution Pipe.....	11.58	2.68
33 14 13 39-0004	LF		1" Type L Copper Water Distribution Pipe.....	15.35	2.97
33 14 13 39-0005	LF		1-1/4" Type L Copper Water Distribution Pipe.....	19.27	3.56
33 14 13 39-0006	LF		1-1/2" Type L Copper Water Distribution Pipe.....	23.80	4.76
33 14 13 39-0007	LF		2" Type L Copper Water Distribution Pipe.....	34.93	5.94
33 14 13 39-0008	LF		2-1/2" Type L Copper Water Distribution Pipe.....	44.00	7.14
33 14 13 39-0009	LF		3" Type L Copper Water Distribution Pipe.....	55.41	7.85



		Utilities	33
		Water Utilities	33 10
		Water Utility Transmission and Distribution	33 14

CS

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0010	LF		3-1/2" Type L Copper Water Distribution Pipe	74.40	9.87
33 14 13 39-0011	LF		4" Type L Copper Water Distribution Pipe	98.36	12.48
33 14 13 39-0012	LF		5" Type L Copper Water Distribution Pipe	159.40	15.58
33 14 13 39-0013	LF		6" Type L Copper Water Distribution Pipe	206.19	18.79
33 14 13 39-0014	LF		8" Type L Copper Water Distribution Pipe	357.55	21.04
33 14 13 39-0015			Type K Copper Water Distribution Piping (33 14 13 39)		
33 14 13 39-0016	LF		1/2" Type K Copper Water Distribution Pipe	9.72	2.38
33 14 13 39-0017	LF		3/4" Type K Copper Water Distribution Pipe	13.77	2.68
33 14 13 39-0018	LF		1" Type K Copper Water Distribution Pipe	17.54	2.97
33 14 13 39-0019	LF		1-1/4" Type K Copper Water Distribution Pipe	20.62	3.56
33 14 13 39-0020	LF		1-1/2" Type K Copper Water Distribution Pipe	25.80	4.76
33 14 13 39-0021	LF		2" Type K Copper Water Distribution Pipe	37.62	5.94
33 14 13 39-0022	LF		2-1/2" Type K Copper Water Distribution Pipe	51.46	7.14
33 14 13 39-0023	LF		3" Type K Copper Water Distribution Pipe	66.58	7.85
33 14 13 39-0024	LF		3-1/2" Type K Copper Water Distribution Pipe	87.54	9.87
33 14 13 39-0025	LF		4" Type K Copper Water Distribution Pipe	118.29	12.48
33 14 13 39-0026	LF		5" Type K Copper Water Distribution Pipe	200.65	15.58
33 14 13 39-0027	LF		6" Type K Copper Water Distribution Pipe	280.36	18.79
33 14 13 39-0028	LF		8" Type K Copper Water Distribution Pipe	494.44	21.04
33 14 13 43			Public Water Utility Distribution Piping Coatings and Wraps (33 14 13)		
33 14 13 43-0001			Pipe Coatings (33 14 13 43)		
33 14 13 43-0002			Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 14 13 43-0001)		
			Note: Applied at fabrication shop.		
33 14 13 43-0003	LF		8" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	3.36	
33 14 13 43-0004	LF		10" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	4.00	
33 14 13 43-0005	LF		12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	4.72	
33 14 13 43-0006	LF		14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	6.27	
33 14 13 43-0007	LF		16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	7.15	
33 14 13 43-0008	LF		18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	7.52	
33 14 13 43-0009	LF		20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	8.10	
33 14 13 43-0010	LF		24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	9.44	
33 14 13 43-0011	LF		30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	12.39	
33 14 13 43-0012	LF		36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	19.57	
33 14 13 43-0013	LF		42" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	42.19	
33 14 13 43-0014	LF		48" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	48.22	
33 14 13 43-0015	LF		54" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	54.24	
33 14 13 43-0016	LF		60" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	60.27	
33 14 13 43-0017	LF		66" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	66.30	
33 14 13 43-0018	LF		72" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	72.29	
33 14 13 43-0019	LF		78" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	78.35	
33 14 13 43-0020			Cement Coating With Fiberglass Or Wire Mesh Reinforcing (33 14 13 43-0001)		
			Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0021	LF		4" Diameter Cement Coated Pipe 1" To 2" Mesh	11.58	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0022	LF		6" Diameter Cement Coated Pipe 1" To 2" Mesh	14.25	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0023	LF		8" Diameter Cement Coated Pipe 1" To 2" Mesh	17.81	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0024	LF		10" Diameter Cement Coated Pipe 1" To 2" Mesh	19.84	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0025	LF		12" Diameter Cement Coated Pipe 1" To 2" Mesh	22.41	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0026	LF		14" Diameter Cement Coated Pipe 1" To 2" Mesh	26.23	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0027	LF		16" Diameter Cement Coated Pipe 1" To 2" Mesh	29.80	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0028	LF		18" Diameter Cement Coated Pipe 1" To 2" Mesh	33.61	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0029	LF		20" Diameter Cement Coated Pipe 1" To 2" Mesh	37.36	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0030	LF		24" Diameter Cement Coated Pipe 1" To 2" Mesh	44.82	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0031	LF		30" Diameter Cement Coated Pipe 1" To 2" Mesh	56.02	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0032	LF		36" Diameter Cement Coated Pipe 1" To 2" Mesh	67.23	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0033	LF		42" Diameter Cement Coated Pipe 1" To 2" Mesh	25.10	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0034	LF		48" Diameter Cement Coated Pipe 1" To 2" Mesh	28.68	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0035	LF		54" Diameter Cement Coated Pipe 1" To 2" Mesh	32.27	
			Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0036	LF		60" Diameter Cement Coated Pipe 1" To 2" Mesh	35.85	
			Note: Reinforcing applied at fabrication shop.		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0037	LF		66" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	39.44	
33 14 13 43-0038	LF		72" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	43.02	
33 14 13 43-0039	LF		78" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	46.61	
33 14 13 43-0040			Pipe Lining <small>(33 14 13 43)</small>		
33 14 13 43-0041			Cement Pipe Lining <small>(33 14 13 43-0040)</small> Note: Shop applied.		
33 14 13 43-0042	LF		4" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	14.85 1.54	
33 14 13 43-0043	LF		6" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	18.42 1.90	
33 14 13 43-0044	LF		8" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	22.58 2.38	
33 14 13 43-0045	LF		10" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	29.11 2.97	
33 14 13 43-0046	LF		12" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	35.68 3.57	
33 14 13 43-0047	LF		14" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	44.98 4.18	
33 14 13 43-0048	LF		16" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	57.19 4.75	
33 14 13 43-0049	LF		18" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	67.81 4.55	
33 14 13 43-0050	LF		20" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	81.06 5.06	
33 14 13 43-0051	LF		24" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	98.14 6.07	
33 14 13 43-0052	LF		30" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	118.66 7.59	
33 14 13 43-0053	LF		36" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	142.75 9.11	
33 14 13 43-0054	LF		42" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	166.58 7.81	
33 14 13 43-0055	LF		48" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	190.30 8.93	
33 14 13 43-0056	LF		54" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	214.12 10.04	
33 14 13 43-0057	LF		60" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	237.95 11.16	
33 14 13 43-0058	LF		66" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	261.68 6.55	
33 14 13 43-0059	LF		72" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	285.50 7.14	
33 14 13 43-0060	LF		78" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	309.32 7.74	
33 14 13 43-0061			Cement Fitting Lining <small>(33 14 13 43-0040)</small> Note: Shop applied.		
33 14 13 43-0062	EA		4" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	14.85 1.54	
33 14 13 43-0063	EA		6" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	18.42 1.90	
33 14 13 43-0064	EA		8" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	28.82 3.09	
33 14 13 43-0065	EA		10" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	46.94 4.75	
33 14 13 43-0066	EA		12" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	71.39 7.14	
33 14 13 43-0067	EA		14" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	104.25 9.61	
33 14 13 43-0068	EA		16" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	150.91 12.34	
33 14 13 43-0069	EA		18" Outside Diameter, 5/16" Thick Cement Fittings Lining..... <i>For 1/2" Thick, Add</i>	203.42 13.66	
33 14 13 43-0070	EA		20" Outside Diameter, 5/16" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	270.01 16.85	
33 14 13 43-0071	EA		24" Outside Diameter, 5/16" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	392.57 24.28	
33 14 13 43-0072			8 Mil Polyethylene Encasement Tubing <small>(33 14 13 43)</small> Note: ANSI/AWWA C105/A21.5-99 section 4.2.		
33 14 13 43-0073	LF		3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.26	
33 14 13 43-0074	LF		10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.09	
33 14 13 43-0075	LF		14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.60	
33 14 13 43-0076	LF		18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.29	
33 14 13 43-0077	LF		24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.54	
33 14 13 43-0078	LF		30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	5.84	



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

33 14 13 43-0079	LF			36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	7.44	
33 14 13 43-0080	LF			48" Diameter, 8 Mil Polyethylene Encasement Tubing	8.86	
33 14 13 43-0081	LF			54" Diameter, 8 Mil Polyethylene Encasement Tubing	10.55	
33 14 13 43-0082	LF			60" Diameter, 8 Mil Polyethylene Encasement Tubing	11.66	

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)

33 14 13 53-0001 Double Stud Stainless Steel Service Saddles (33 14 13 53)
 Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA			4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	276.39	
33 14 13 53-0003	EA			4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	382.50	
33 14 13 53-0004	EA			4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	395.74	
33 14 13 53-0005	EA			6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	328.78	
33 14 13 53-0006	EA			6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	411.02	
33 14 13 53-0007	EA			8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	343.95	
33 14 13 53-0008	EA			8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	430.65	
33 14 13 53-0009	EA			10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	386.06	
33 14 13 53-0010	EA			10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	453.71	
33 14 13 53-0011	EA			12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	402.93	
33 14 13 53-0012	EA			12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	465.06	

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)

Note: Electro-galvanized steel bales. 5/8" listed taps are compression, 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA			1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	235.40	
33 14 13 53-0015	EA			2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	235.55	
33 14 13 53-0016	EA			2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	250.65	
33 14 13 53-0017	EA			2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	239.16	
33 14 13 53-0018	EA			3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	255.81	
33 14 13 53-0019	EA			3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	282.05	
33 14 13 53-0020	EA			3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	299.86	
33 14 13 53-0021	EA			4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	274.95	
33 14 13 53-0022	EA			4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	301.39	
33 14 13 53-0023	EA			4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	316.80	
33 14 13 53-0024	EA			5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	290.18	
33 14 13 53-0025	EA			5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	317.42	
33 14 13 53-0026	EA			5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	332.77	
33 14 13 53-0027	EA			6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	305.89	
33 14 13 53-0028	EA			6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	332.39	
33 14 13 53-0029	EA			6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	347.56	
33 14 13 53-0030	EA			6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	496.95	
33 14 13 53-0031	EA			6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	510.19	
33 14 13 53-0032	EA			8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	330.47	
33 14 13 53-0033	EA			8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	362.21	
33 14 13 53-0034	EA			8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	376.38	
33 14 13 53-0035	EA			8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	585.55	
33 14 13 53-0036	EA			10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	368.09	
33 14 13 53-0037	EA			10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	405.89	
33 14 13 53-0038	EA			10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	651.38	
33 14 13 53-0039	EA			12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	399.28	
33 14 13 53-0040	EA			12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	439.17	
33 14 13 53-0041	EA			12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	455.14	
33 14 13 53-0042	EA			12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	724.36	
33 14 13 53-0043	EA			14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	462.30	
33 14 13 53-0044	EA			14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	493.86	
33 14 13 53-0045	EA			14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	530.60	
33 14 13 53-0046	EA			14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	883.39	
33 14 13 53-0047	EA			15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	475.55	
33 14 13 53-0048	EA			15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	538.22	
33 14 13 53-0049	EA			15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	560.56	
33 14 13 53-0050	EA			15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	948.03	
33 14 13 53-0051	EA			16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	496.79	
33 14 13 53-0052	EA			16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	561.70	
33 14 13 53-0053	EA			16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	584.60	
33 14 13 53-0054	EA			16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	986.36	
33 14 13 53-0055	EA			18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	547.55	
33 14 13 53-0056	EA			18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	630.23	
33 14 13 53-0057	EA			20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	620.35	
33 14 13 53-0058	EA			20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	685.48	
33 14 13 53-0059	EA			24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	647.61	
33 14 13 53-0060	EA			24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	728.84	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0061			Double Bale Bronze Service Saddles (33 14 13 53)		
33 14 13 53-0062	EA		4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	320.50	
33 14 13 53-0063	EA		4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	349.59	
33 14 13 53-0064	EA		6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	363.91	
33 14 13 53-0065	EA		6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	393.27	
33 14 13 53-0066	EA		8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	403.88	
33 14 13 53-0067	EA		8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	424.45	
33 14 13 53-0068	EA		10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	393.72	
33 14 13 53-0069	EA		10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	418.30	
33 14 13 53-0070	EA		12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	492.96	
33 14 13 53-0071	EA		12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	531.97	
33 14 13 53-0072	EA		14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	727.30	
33 14 13 53-0073	EA		14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	818.81	
33 14 13 53-0074	EA		16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	843.37	
33 14 13 53-0075	EA		16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	938.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0076			Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)		
			Note: Taps are compression or NPT.		
33 14 13 53-0077	EA		4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	335.57	
33 14 13 53-0078	EA		4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	368.61	
33 14 13 53-0079	EA		6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	381.71	
33 14 13 53-0080	EA		6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	413.60	
33 14 13 53-0081	EA		8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	425.88	
33 14 13 53-0082	EA		8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	447.63	
33 14 13 53-0083	EA		10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	477.59	
33 14 13 53-0084	EA		10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	510.45	
33 14 13 53-0085	EA		12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	513.12	
33 14 13 53-0086	EA		12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	554.73	
33 14 13 53-0087	EA		14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	777.26	
33 14 13 53-0088	EA		14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	889.46	
33 14 13 53-0089	EA		16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	902.65	
33 14 13 53-0090	EA		16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	981.69	
33 14 13 53-0091	EA		18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,895.42	
33 14 13 53-0092	EA		18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,895.42	
33 14 13 53-0093	EA		20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,969.99	
33 14 13 53-0094	EA		20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,969.99	
33 14 13 53-0095	EA		24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,114.00	
33 14 13 53-0096	EA		24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,114.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0097			Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)		
33 14 13 53-0098	EA		4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,465.58	
33 14 13 53-0099	EA		6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,771.24	
33 14 13 53-0100	EA		8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,114.48	
33 14 13 53-0101	EA		8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,234.52	
33 14 13 53-0102	EA		10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,356.06	
33 14 13 53-0103	EA		10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,522.91	
33 14 13 53-0104	EA		10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,596.08	
33 14 13 53-0105	EA		12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,554.75	
33 14 13 53-0106	EA		12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,720.95	
33 14 13 53-0107	EA		12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,121.86	
33 14 13 53-0108	EA		12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,225.72	
33 14 13 53-0109	EA		14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,991.68	
33 14 13 53-0110	EA		14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,179.10	
33 14 13 53-0111	EA		14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,264.93	
33 14 13 53-0112	EA		14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,303.43	
33 14 13 53-0113	EA		14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,570.87	
33 14 13 53-0114	EA		16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,563.38	
33 14 13 53-0115	EA		16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,589.88	
33 14 13 53-0116	EA		16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,799.00	
33 14 13 53-0117	EA		16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,850.46	
33 14 13 53-0118	EA		16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,906.82	
33 14 13 53-0119	EA		16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,038.84	
33 14 13 53-0120	EA		16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,295.11	
33 14 13 53-0121	EA		18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,487.57	
33 14 13 53-0122	EA		18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,956.22	
33 14 13 53-0123	EA		18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,095.91	
33 14 13 53-0124	EA		18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,509.87	
33 14 13 53-0125	EA		20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,852.47	
33 14 13 53-0126	EA		20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,501.41	
33 14 13 53-0127	EA		20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,681.90	
33 14 13 53-0128	EA		20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,754.10	
33 14 13 53-0129	EA		20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,102.54	
33 14 13 53-0130	EA		20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,589.12	
33 14 13 53-0131	EA		20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,859.90	
33 14 13 53-0132	EA		24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,889.02	
33 14 13 53-0133	EA		24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,055.33	
33 14 13 53-0134	EA		24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,104.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0135 EA 24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	16,675.25	
33 14 13 53-0136 EA 24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	16,892.20	
33 14 13 53-0137 EA 24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	16,945.19	
33 14 13 53-0138 EA 24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	17,408.03	
33 14 13 53-0139 EA 24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	17,630.86	
33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 14 13 53)		
33 14 13 53-0141 EA 4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,206.96	
33 14 13 53-0142 EA 6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,287.66	
33 14 13 53-0143 EA 6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,404.96	
33 14 13 53-0144 EA 8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,450.40	
33 14 13 53-0145 EA 8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,510.18	
33 14 13 53-0146 EA 8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,727.03	
33 14 13 53-0147 EA 10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,585.82	
33 14 13 53-0148 EA 10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,644.09	
33 14 13 53-0149 EA 10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,835.02	
33 14 13 53-0150 EA 10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,507.23	
33 14 13 53-0151 EA 12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,786.88	
33 14 13 53-0152 EA 12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,871.14	
33 14 13 53-0153 EA 12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,059.07	
33 14 13 53-0154 EA 12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,661.53	
33 14 13 53-0155 EA 12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,896.51	
33 14 13 53-0156 EA 14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,334.80	
33 14 13 53-0157 EA 14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,404.94	
33 14 13 53-0158 EA 14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,805.28	
33 14 13 53-0159 EA 14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,301.01	
33 14 13 53-0160 EA 14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,624.26	
33 14 13 53-0161 EA 16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,767.13	
33 14 13 53-0162 EA 16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,839.46	
33 14 13 53-0163 EA 16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,105.34	
33 14 13 53-0164 EA 16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,813.27	
33 14 13 53-0165 EA 16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,982.54	
33 14 13 53-0166 EA 18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,944.39	
33 14 13 53-0167 EA 18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,073.34	
33 14 13 53-0168 EA 18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,251.51	
33 14 13 53-0169 EA 18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,084.10	
33 14 13 53-0170 EA 18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,253.17	
33 14 13 53-0171 EA 20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,544.33	
33 14 13 53-0172 EA 20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,616.52	
33 14 13 53-0173 EA 20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,013.17	
33 14 13 53-0174 EA 20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,682.13	
33 14 13 53-0175 EA 20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,967.46	
33 14 13 53-0176 EA 24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,830.67	
33 14 13 53-0177 EA 24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,985.81	
33 14 13 53-0178 EA 24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,194.41	
33 14 13 53-0179 EA 24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	5,142.82	
33 14 13 53-0180 EA 24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	5,318.98	
33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 14 13 53)		
33 14 13 53-0182 EA 4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,388.01	
33 14 13 53-0183 EA 6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,516.33	
33 14 13 53-0184 EA 6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,604.22	
33 14 13 53-0185 EA 8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,641.68	
33 14 13 53-0186 EA 8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,742.54	
33 14 13 53-0187 EA 8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,038.75	
33 14 13 53-0188 EA 10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,881.95	
33 14 13 53-0189 EA 10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,993.51	
33 14 13 53-0190 EA 10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,259.27	
33 14 13 53-0191 EA 10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,025.76	
33 14 13 53-0192 EA 12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,150.42	
33 14 13 53-0193 EA 12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,301.56	
33 14 13 53-0194 EA 12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,651.83	
33 14 13 53-0195 EA 12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,107.42	
33 14 13 53-0196 EA 12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,456.32	
33 14 13 53-0197 EA 14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,454.58	
33 14 13 53-0198 EA 14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,639.40	
33 14 13 53-0199 EA 14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,033.48	
33 14 13 53-0200 EA 14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,489.50	
33 14 13 53-0201 EA 14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,731.88	
33 14 13 53-0202 EA 16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,984.71	
33 14 13 53-0203 EA 16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,236.44	
33 14 13 53-0204 EA 16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,428.86	
33 14 13 53-0205 EA 16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,918.99	
33 14 13 53-0206 EA 16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,252.31	
33 14 13 53-0207 EA 18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,295.58	
33 14 13 53-0208 EA 18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,670.55	
33 14 13 53-0209 EA 18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,871.27	
33 14 13 53-0210 EA 18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,302.28	
33 14 13 53-0211 EA 18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,871.69	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0212 EA 20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,565.07	
33 14 13 53-0213 EA 20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,939.10	
33 14 13 53-0214 EA 20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,102.65	
33 14 13 53-0215 EA 20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,902.52	
33 14 13 53-0216 EA 20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,348.87	
33 14 13 53-0217 EA 24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,213.68	
33 14 13 53-0218 EA 24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,269.08	
33 14 13 53-0219 EA 24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,464.71	
33 14 13 53-0220 EA 24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,418.98	
33 14 13 53-0221 EA 24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,929.48	
33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)		
33 14 13 53-0223 EA 3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	366.92	78.82
33 14 13 53-0224 EA 4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	460.01	99.38
33 14 13 53-0225 EA 6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	607.81	137.08
33 14 13 53-0226 EA 8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	780.10	161.07
33 14 13 53-0227 EA 10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,192.32	181.63
33 14 13 53-0228 EA 12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,333.25	205.62
33 14 13 53-0229 Steel Body, Flanged Coupling Adapter (33 14 13 53)		
33 14 13 53-0230 EA 3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	518.78	78.82
33 14 13 53-0231 EA 4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	616.27	99.38
33 14 13 53-0232 EA 6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	824.87	137.08
33 14 13 53-0233 EA 8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,006.01	161.07
33 14 13 53-0234 EA 10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,221.30	181.63
33 14 13 53-0235 EA 12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,420.40	205.62
33 14 13 53-0236 EA 14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,679.23	226.18
33 14 13 53-0237 EA 16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,979.08	246.74
33 14 13 53-0238 EA 18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,328.06	271.42
33 14 13 53-0239 EA 20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,740.92	298.55
33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)		
33 14 13 53-0241 EA 4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	470.17	99.38
33 14 13 53-0242 EA 6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	632.88	137.08
33 14 13 53-0243 EA 8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	705.08	161.07
33 14 13 53-0244 EA 10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,004.76	181.63
33 14 13 53-0245 EA 12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,267.86	205.62
33 14 13 53-0246 EA 14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,420.00	226.18
33 14 13 53-0247 EA 16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,660.36	246.74
33 14 13 53-0248 EA 18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,860.78	271.42
33 14 13 53-0249 EA 20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,223.52	298.55
33 14 13 53-0250 EA 24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,664.05	328.44
33 14 13 53-0251 EA 30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,399.72	361.20
33 14 13 53-0252 EA 36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,245.86	397.39
33 14 13 53-0253 Ductile Iron Body, Omni Coupling System (33 14 13 53)		
33 14 13 53-0254 EA 2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	174.76	54.83
33 14 13 53-0255 EA 2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	214.39	65.12
33 14 13 53-0256 EA 3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	264.59	78.82
33 14 13 53-0257 EA 4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	332.45	99.38
33 14 13 53-0258 EA 6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	445.62	137.08
33 14 13 53-0259 EA 8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	538.88	161.07
33 14 13 53-0260 EA 10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	664.18	181.63
33 14 13 53-0261 EA 12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	773.59	205.62
33 14 13 53-0262 EA 14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,058.55	226.18
33 14 13 53-0263 EA 16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,304.15	246.74
33 14 19 Valves and Hydrants for Water Utility Service (33 14)		
Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill. See CSI section 23 21 13 23-0669 for bolt and gasket sets.		
33 14 19 00-0001 Water Utility Distribution Valves (33 14 19)		
33 14 19 00-0002 Angle Valves (33 14 19 00-0001)		
Note: For connecting meters to water service.		
33 14 19 00-0003 Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0002)		
Note: Nibco T-335Y		
33 14 19 00-0004 EA 1/2" Threaded, Class 150, Bronze Angle Valve	108.83	23.55
33 14 19 00-0005 EA 3/4" Threaded, Class 150, Bronze Angle Valve	146.75	31.64
33 14 19 00-0006 EA 1" Threaded, Class 150, Bronze Angle Valve	195.28	39.00
33 14 19 00-0007 EA 1-1/4" Threaded, Class 150, Bronze Angle Valve	250.99	49.00
33 14 19 00-0008 EA 1-1/2" Threaded, Class 150, Bronze Angle Valve	310.87	56.65
33 14 19 00-0009 EA 2" Threaded, Class 150, Bronze Angle Valve	454.15	66.23
33 14 19 00-0010 EA 2-1/2" Threaded, Class 150, Bronze Angle Valve	718.16	90.37
33 14 19 00-0011 EA 3" Threaded, Class 150, Bronze Angle Valve	1,072.16	104.32



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

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

33 14 19 00-0012	Butterfly Valves <small>(33 14 19 00-0001)</small>	
33 14 19 00-0013	Lug Type Flanged, Cast Iron Disc, Butterfly Valves <small>(33 14 19 00-0012)</small>	
	Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin	
33 14 19 00-0014	EA 3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	2,184.55 250.18
33 14 19 00-0015	EA 3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	2,422.95 250.18
33 14 19 00-0016	EA 4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	2,377.97 387.10
33 14 19 00-0017	EA 4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	2,616.37 387.10
33 14 19 00-0018	EA 6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	2,707.39 437.38
33 14 19 00-0019	EA 6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	2,945.79 437.38
33 14 19 00-0020	EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	3,071.10 558.87
33 14 19 00-0021	EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	3,308.31 558.87
33 14 19 00-0022	EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	3,848.33 680.37
33 14 19 00-0023	EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	4,846.17 680.37
33 14 19 00-0024	EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	4,413.75 824.67
33 14 19 00-0025	EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	4,652.15 824.67
33 14 19 00-0026	EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12).....	5,853.99 1,102.43
33 14 19 00-0027	EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12).....	6,477.41 1,102.43
33 14 19 00-0028	EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16).....	6,809.51 1,212.67
33 14 19 00-0029	EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20).....	7,574.78 1,212.67
33 14 19 00-0030	EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24).....	8,516.14 1,344.97
33 14 19 00-0031	EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24).....	9,326.70 1,344.97
33 14 19 00-0032	EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24).....	9,756.05 1,515.84
33 14 19 00-0033	EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24).....	10,565.42 1,515.84
33 14 19 00-0034	Lug Type Flanged, Ductile Iron Disc, Butterfly Valves <small>(33 14 19 00-0012)</small>	
	Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin	
33 14 19 00-0035	EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20).....	15,898.74 1,860.35
33 14 19 00-0036	EA 24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10).....	24,533.59 1,860.35
33 14 19 00-0037	EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20).....	15,849.87 1,860.35
33 14 19 00-0038	EA 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24).....	32,883.19 2,974.83

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0039 EA 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24).....	38,853.76	3,966.44
33 14 19 00-0040 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32).....	49,039.06	5,949.65
33 14 19 00-0041 EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24).....	66,738.81	7,437.07
33 14 19 00-0042 EA 54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24).....	106,018.54	8,924.48
33 14 19 00-0043 EA 60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36).....	132,891.87	10,709.38
33 14 19 00-0044 EA 72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36).....	190,606.24	12,851.25
33 14 19 00-0045 LF 3/16" Link, 316 Stainless Steel Chain For Use With Dezurik Chainwheel.....	26.91	
33 14 19 00-0046 EA 316 Stainless Steel Closing Link For Use With Dezurik Chainwheel.....	11.77	
Note: One required per valve.		
33 14 19 00-0047 Check Valves (33 14 19 00-0001)		
33 14 19 00-0048 Flanged, Swing Type Gravity Operated Check Valves (33 14 19 00-0047)		
Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0049 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	914.82	196.45
33 14 19 00-0050 EA 3" Flanged, Swing Type Gravity Operated Check Valve.....	956.75	230.33
33 14 19 00-0051 EA 4" Flanged, Swing Type Gravity Operated Check Valve.....	1,402.95	291.30
33 14 19 00-0052 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,838.96	438.30
33 14 19 00-0053 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,929.25	489.50
33 14 19 00-0054 EA 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,852.11	487.75
33 14 19 00-0055 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	2,372.68	554.43
33 14 19 00-0056 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	2,499.01	623.24
33 14 19 00-0057 EA 8" Flanged, Swing Type Gravity Operated Check Valve.....	2,589.54	623.24
33 14 19 00-0058 EA 10" Flanged, Swing Type Gravity Operated Check Valve.....	4,205.64	758.73
33 14 19 00-0059 EA 12" Flanged, Swing Type Gravity Operated Check Valve.....	6,236.81	569.05
33 14 19 00-0060 EA 14" Flanged, Swing Type Gravity Operated Check Valve.....	8,589.63	1,102.43
33 14 19 00-0061 EA 16" Flanged, Swing Type Gravity Operated Check Valve.....	11,289.89	1,212.67
33 14 19 00-0062 EA 18" Flanged, Swing Type Gravity Operated Check Valve.....	16,157.66	1,344.97
33 14 19 00-0063 EA 20" Flanged, Swing Type Gravity Operated Check Valve.....	18,785.08	1,515.84
33 14 19 00-0064 Combination Air Release Valves (33 14 19 00-0001)		
33 14 19 00-0065 EA 1" Combination Air Release Valve.....	473.17	28.45
33 14 19 00-0066 EA 2" Combination Air Release Valve.....	766.57	48.77
33 14 19 00-0067 Corporation Stop And Curb Valve (33 14 19 00-0001)		
Note: AWWA C800		
33 14 19 00-0068 Ball Corporation Valves (33 14 19 00-0067)		
Note: Mueller B-25000.		
33 14 19 00-0069 EA 3/4" Ball Corporation Valve (Mueller B-25000).....	93.82	28.45
33 14 19 00-0070 EA 1" Ball Corporation Valve (Mueller B-25000).....	117.45	35.22
33 14 19 00-0071 EA 1-1/2" Ball Corporation Valve (Mueller B-25000).....	203.11	51.49
33 14 19 00-0072 EA 2" Ball Corporation Valve (Mueller B-25000).....	295.85	60.97
33 14 19 00-0073 Gate Valve, AWWA C500 And C509 (33 14 19 00-0001)		
33 14 19 00-0074 Gate Valve, Flanged (33 14 19 00-0073)		
Note: Mueller A-2380-6.		
33 14 19 00-0075 EA 2" Gate Valve, Flanged.....	602.96	180.60
33 14 19 00-0076 EA 2-1/2" Gate Valve, Flanged.....	696.68	196.45
33 14 19 00-0077 EA 3" Gate Valve, Flanged.....	822.70	230.33
33 14 19 00-0078 EA 4" Gate Valve, Flanged.....	1,174.38	288.59
33 14 19 00-0079 EA 6" Gate Valve, Flanged.....	1,410.22	487.75
33 14 19 00-0080 EA 8" Gate Valve, Flanged.....	2,021.77	623.24
33 14 19 00-0081 EA 10" Gate Valve, Flanged.....	2,930.92	758.73
33 14 19 00-0082 EA 12" Gate Valve, Flanged.....	3,531.70	569.05
33 14 19 00-0083 EA 14" Gate Valve, Flanged.....	7,094.56	1,102.43
33 14 19 00-0084 EA 16" Gate Valve, Flanged.....	9,154.81	1,212.67
33 14 19 00-0085 EA 18" Gate Valve, Flanged.....	14,184.88	1,344.97
33 14 19 00-0086 EA 20" Gate Valve, Flanged.....	16,911.96	1,515.84
33 14 19 00-0087 Resilient Wedge Gate Valve, Flanged (33 14 19 00-0073)		
Note: Mueller A-2360-6.		
33 14 19 00-0088 EA 2" Resilient Wedge Gate Valve, Flanged.....	581.63	180.60
33 14 19 00-0089 EA 2-1/2" Resilient Wedge Gate Valve, Flanged.....	671.19	196.45
33 14 19 00-0090 EA 3" Resilient Wedge Gate Valve, Flanged.....	792.45	230.33



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0091	EA	4" Resilient Wedge Gate Valve, Flanged.....	1,140.57	288.59
33 14 19 00-0092	EA	6" Resilient Wedge Gate Valve, Flanged.....	1,365.02	487.75
33 14 19 00-0093	EA	8" Resilient Wedge Gate Valve, Flanged.....	1,951.16	623.24
33 14 19 00-0094	EA	10" Resilient Wedge Gate Valve, Flanged.....	2,818.71	758.73
33 14 19 00-0095	EA	12" Resilient Wedge Gate Valve, Flanged.....	3,396.22	569.05
33 14 19 00-0096		Gate Valve, Mechanical Joint (33 14 19 00-0073)		
		Note: Mueller A-2380-20.		
33 14 19 00-0097	EA	2" Gate Valve, Mechanical Joint.....	718.88	144.29
33 14 19 00-0098	EA	2-1/2" Gate Valve, Mechanical Joint.....	803.41	180.87
33 14 19 00-0099	EA	3" Gate Valve, Mechanical Joint.....	1,001.00	218.81
33 14 19 00-0100	EA	4" Gate Valve, Mechanical Joint.....	1,221.59	288.59
33 14 19 00-0101	EA	6" Gate Valve, Mechanical Joint.....	1,511.60	338.72
33 14 19 00-0102	EA	8" Gate Valve, Mechanical Joint.....	2,110.65	406.46
33 14 19 00-0103	EA	10" Gate Valve, Mechanical Joint.....	2,965.16	474.20
33 14 19 00-0104	EA	12" Gate Valve, Mechanical Joint.....	3,687.19	569.05
33 14 19 00-0105	EA	14" Gate Valve, Mechanical Joint.....	7,491.09	675.23
33 14 19 00-0106	EA	16" Gate Valve, Mechanical Joint.....	9,589.26	757.92
33 14 19 00-0107	EA	18" Gate Valve, Mechanical Joint.....	14,963.49	840.60
33 14 19 00-0108	EA	20" Gate Valve, Mechanical Joint.....	17,751.59	947.40
33 14 19 00-0109		Resilient Wedge Gate Valve, Mechanical Joint (33 14 19 00-0073)		
		Note: Mueller A-2360-20.		
33 14 19 00-0110	EA	2" Resilient Wedge Gate Valve, Mechanical Joint.....	694.52	144.29
33 14 19 00-0111	EA	3" Resilient Wedge Gate Valve, Mechanical Joint.....	969.11	218.81
33 14 19 00-0112	EA	4" Resilient Wedge Gate Valve, Mechanical Joint.....	1,185.11	288.59
33 14 19 00-0113	EA	6" Resilient Wedge Gate Valve, Mechanical Joint.....	1,464.39	338.72
33 14 19 00-0114	EA	8" Resilient Wedge Gate Valve, Mechanical Joint.....	2,037.21	406.46
33 14 19 00-0115	EA	10" Resilient Wedge Gate Valve, Mechanical Joint.....	2,851.01	474.20
33 14 19 00-0116	EA	12" Resilient Wedge Gate Valve, Mechanical Joint.....	3,542.88	569.05
33 14 19 00-0117		Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 14 19 00-0073)		
		Note: Mueller A-2361.		
33 14 19 00-0118	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	8,084.95	1,102.43
33 14 19 00-0119	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	8,792.40	1,212.67
33 14 19 00-0120	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	13,589.72	1,344.97
33 14 19 00-0121	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	16,200.49	1,515.84
33 14 19 00-0122	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	22,946.24	1,860.35
33 14 19 00-0123		Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 14 19 00-0073)		
		Note: NIBCO T-113.		
33 14 19 00-0124	EA	1/4" Gate Valve, Bronze, Threaded.....	67.59	23.70
33 14 19 00-0125	EA	3/8" Gate Valve, Bronze, Threaded.....	69.84	23.70
33 14 19 00-0126	EA	1/2" Gate Valve, Bronze, Threaded.....	69.88	23.70
33 14 19 00-0127	EA	3/4" Gate Valve, Bronze, Threaded.....	90.66	32.01
33 14 19 00-0128	EA	1" Gate Valve, Bronze, Threaded.....	111.45	38.70
33 14 19 00-0129	EA	1-1/4" Gate Valve, Bronze, Threaded.....	149.72	49.00
33 14 19 00-0130	EA	1-1/2" Gate Valve, Bronze, Threaded.....	173.57	56.65
33 14 19 00-0131	EA	2" Gate Valve, Bronze, Threaded.....	209.73	66.23
33 14 19 00-0132	EA	2-1/2" Gate Valve, Bronze, Threaded.....	385.14	90.37
33 14 19 00-0133	EA	3" Gate Valve, Bronze, Threaded.....	459.67	103.65
33 14 19 00-0134		Globe Valve, AWWA (33 14 19 00-0001)		
33 14 19 00-0135		Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 14 19 00-0134)		
		Note: NIBCO T-235.		
33 14 19 00-0136	EA	1/8" Globe Valve, Threaded.....	92.37	23.70
33 14 19 00-0137	EA	1/4" Globe Valve, Threaded.....	87.83	23.70
33 14 19 00-0138	EA	3/8" Globe Valve, Threaded.....	90.08	23.70
33 14 19 00-0139	EA	1/2" Globe Valve, Threaded.....	92.37	23.70
33 14 19 00-0140	EA	3/4" Globe Valve, Threaded.....	125.36	32.01
33 14 19 00-0141	EA	1" Globe Valve, Threaded.....	172.84	38.70
33 14 19 00-0142	EA	1-1/4" Globe Valve, Threaded.....	248.94	49.00
33 14 19 00-0143	EA	1-1/2" Globe Valve, Threaded.....	296.24	56.65
33 14 19 00-0144	EA	2" Globe Valve, Threaded.....	407.04	66.23
33 14 19 00-0145	EA	2-1/2" Globe Valve, Threaded.....	731.75	90.37
33 14 19 00-0146	EA	3" Globe Valve, Threaded.....	992.25	104.19
33 14 19 00-0147		Tapping Valve, AWWA C500 And C509 (33 14 19 00-0001)		
33 14 19 00-0148		Tapping Valve, AWWA C500 And C509 (33 14 19 00-0147)		
		Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0149	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	806.30	180.60
33 14 19 00-0150	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,037.56	230.33
33 14 19 00-0151	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,381.92	288.59
33 14 19 00-0152	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,727.36	487.75

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0153 EA 8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	2,428.51	623.24
33 14 19 00-0154 EA 10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	3,425.20	758.73
33 14 19 00-0155 EA 12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	4,923.51	569.05
33 14 19 00-0156 EA 14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	8,526.17	1,102.43
33 14 19 00-0157 EA 16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	10,670.77	1,212.67
33 14 19 00-0158 EA 18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	16,872.92	1,344.97
33 14 19 00-0159 Accessories For Valves <small>(33 14 19)</small>		
33 14 19 00-0160 EA 1" Valve Extension Stem.....	128.73	
<i>For Each Additional LF, Add</i>	9.04	
33 14 19 00-0161 EA Up to 80" Long Indicator Post Telescoping Barrel Assembly.....	1,649.75	135.49
Note: Excludes valve.		
33 14 19 00-0162 EA >80" To 114" Long Indicator Post Telescoping Barrel Assembly.....	1,869.40	149.04
Note: Excludes valve.		
33 14 19 00-0163 EA Adjust Water Valve Box To Grade.....	135.49	
33 14 19 00-0164 Utility Box <small>(33 14 19)</small>		
Note: Christy Concrete Products.		
33 14 19 00-0165 B3 Utility Box, 9-3/8" x 15-1/2" <small>(33 14 19 00-0164)</small>		
33 14 19 00-0166 EA 9-3/8" x 15-1/2" Precast Concrete Utility Box.....	127.44	66.91
33 14 19 00-0167 EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box.....	115.19	7.44
33 14 19 00-0168 EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box.....	50.16	7.44
33 14 19 00-0169 EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box.....	247.41	7.44
33 14 19 00-0170 EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box.....	73.31	14.87
33 14 19 00-0171 EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box.....	102.04	14.87
33 14 19 00-0172 B9 Utility Box, 10-1/4" x 17-1/4" <small>(33 14 19 00-0164)</small>		
33 14 19 00-0173 EA 10-1/4" x 17-1/4" Precast Concrete Utility Box.....	156.64	89.21
33 14 19 00-0174 EA Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box.....	135.05	8.92
33 14 19 00-0175 EA Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box.....	56.01	8.92
33 14 19 00-0176 EA Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box.....	259.37	7.44
33 14 19 00-0177 EA 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box.....	81.21	14.87
33 14 19 00-0178 EA 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box.....	109.98	22.31
33 14 19 00-0179 EA 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box.....	137.69	40.89
33 14 19 00-0180 B12 Utility Box, 12" x 20" <small>(33 14 19 00-0164)</small>		
33 14 19 00-0181 EA 12" x 20" Precast Concrete Utility Box.....	171.83	96.64
33 14 19 00-0182 EA Cast Iron Lid For 12" x 20" Utility Box.....	240.67	11.15
33 14 19 00-0183 EA Reinforced Concrete Lid For 12" x 20" Utility Box.....	76.60	14.87
33 14 19 00-0184 EA Steel Checkered Plate Cover For 12" x 20" Utility Box.....	351.33	14.87
33 14 19 00-0185 EA 12" High Reinforced Concrete Extension For 12" x 20" Utility Box.....	178.89	52.04
33 14 19 00-0186 B16 Utility Box, 12" x 22-1/4" <small>(33 14 19 00-0164)</small>		
33 14 19 00-0187 EA 12" x 22-1/4" Precast Concrete Utility Box.....	198.23	112.99
33 14 19 00-0188 EA Cast Iron Lid For 12" x 22-1/4" Utility Box.....	273.09	14.87
33 14 19 00-0189 EA Reinforced Concrete Lid For 12" x 22-1/4" Utility Box.....	92.89	14.87
33 14 19 00-0190 EA Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box.....	353.27	14.87
33 14 19 00-0191 EA 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box.....	132.67	25.28
33 14 19 00-0192 EA 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box.....	181.59	52.04
33 14 19 00-0193 B30 Utility Box, 13-1/4" x 24" <small>(33 14 19 00-0164)</small>		
33 14 19 00-0194 EA 13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX).....	238.22	133.81
33 14 19 00-0195 EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D).....	127.03	23.79
33 14 19 00-0196 EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G).....	437.22	19.33
33 14 19 00-0197 EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL).....	132.67	25.28
33 14 19 00-0198 EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA).....	204.73	41.64
33 14 19 00-0199 EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6).....	157.72	28.25
33 14 19 00-0200 EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12).....	235.03	66.91
33 14 19 00-0201 B36 Utility Box, 17-1/4" x 30" <small>(33 14 19 00-0164)</small>		
33 14 19 00-0202 EA 17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX).....	309.97	169.50
33 14 19 00-0203 EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D).....	208.06	40.89
33 14 19 00-0204 EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D).....	550.11	28.25
33 14 19 00-0205 EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL).....	195.93	53.53
33 14 19 00-0206 EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA).....	315.81	59.47
33 14 19 00-0207 EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12).....	312.24	86.24
33 14 19 00-0208 B40 Utility Box, 24-1/2" x 36" <small>(33 14 19 00-0164)</small>		
33 14 19 00-0209 EA 24-1/2" x 36" Precast Concrete Utility Box.....	618.77	261.68
33 14 19 00-0210 EA Reinforced Concrete Lid For 24-1/2" x 36" Utility Box.....	562.39	98.13
33 14 19 00-0211 EA Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box.....	782.89	43.11



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0212	EA		30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box.....	465.88	92.19
33 14 19 00-0213	EA		10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box.....	493.71	96.64
33 14 19 00-0214			B48 Utility Box, 30-1/4" x 48-1/4" <small>(33 14 19 00-0164)</small>		
33 14 19 00-0215	EA		30-1/4" x 48-1/4" Precast Concrete Utility Box.....	798.18	297.36
33 14 19 00-0216	EA		1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	788.78	162.06
33 14 19 00-0217	EA		2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	973.14	162.06
33 14 19 00-0218	EA		2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	1,242.50	74.34
33 14 19 00-0219	EA		36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	710.86	200.72
33 14 19 00-0220	EA		10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	618.23	135.30
33 14 19 00-0221			Fire Hydrants <small>(33 14 19)</small>		
			Note: Breakaway type.		
33 14 19 00-0222			Three Way, Standard (Traditional) Model Fire Hydrant <small>(33 14 19 00-0221)</small>		
			Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0223	EA		1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,621.09	340.18
33 14 19 00-0224	EA		2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,687.60	340.18
33 14 19 00-0225	EA		2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,754.28	340.18
33 14 19 00-0226	EA		3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,844.94	364.48
33 14 19 00-0227	EA		3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,911.52	364.48
33 14 19 00-0228	EA		4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,008.53	394.85
33 14 19 00-0229	EA		4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,075.00	394.85
33 14 19 00-0230	EA		5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,172.04	425.23
33 14 19 00-0231	EA		5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,238.61	425.23
33 14 19 00-0232	EA		6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,335.45	455.60
33 14 19 00-0233	EA		6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,432.37	485.97
33 14 19 00-0234	EA		7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,559.57	546.72
33 14 19 00-0235	EA		1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,681.79	340.18
33 14 19 00-0236	EA		2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,768.10	340.18
33 14 19 00-0237	EA		2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,854.20	340.18
33 14 19 00-0238	EA		3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,964.60	364.48
33 14 19 00-0239	EA		3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,050.70	364.48
33 14 19 00-0240	EA		4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,167.49	394.85
33 14 19 00-0241	EA		4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,253.48	394.85
33 14 19 00-0242	EA		5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,370.05	425.23
33 14 19 00-0243	EA		5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,456.13	425.23
33 14 19 00-0244	EA		6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,572.45	455.60
33 14 19 00-0245	EA		6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,689.13	485.97
33 14 19 00-0246	EA		7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,835.83	546.72
33 14 19 00-0247			Two Way, Standard (Traditional) Model Fire Hydrant <small>(33 14 19 00-0221)</small>		
			Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0248	EA		1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,256.01	340.18
33 14 19 00-0249	EA		2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,322.29	340.18
33 14 19 00-0250	EA		2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,388.95	340.18
33 14 19 00-0251	EA		3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,479.89	364.48
33 14 19 00-0252	EA		3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,546.25	364.48
33 14 19 00-0253	EA		4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,643.11	394.85
33 14 19 00-0254	EA		4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,709.68	394.85
33 14 19 00-0255	EA		5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,806.78	425.23
33 14 19 00-0256	EA		5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,873.21	425.23
33 14 19 00-0257	EA		6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,970.41	455.60
33 14 19 00-0258	EA		6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,066.91	485.97
33 14 19 00-0259	EA		7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,194.25	546.72
33 14 19 00-0260	EA		1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,349.77	340.18
33 14 19 00-0261	EA		2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,435.89	340.18
33 14 19 00-0262	EA		2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,521.88	340.18
33 14 19 00-0263	EA		3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,632.50	364.48
33 14 19 00-0264	EA		3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,718.38	364.48
33 14 19 00-0265	EA		4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,835.02	394.85
33 14 19 00-0266	EA		4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,920.95	394.85
33 14 19 00-0267	EA		5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,037.80	425.23
33 14 19 00-0268	EA		5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,123.68	425.23
33 14 19 00-0269	EA		6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,240.30	455.60
33 14 19 00-0270	EA		6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,356.56	485.97
33 14 19 00-0271	EA		7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,503.73	546.72
33 14 19 00-0272			Three Way, Modern Model Fire Hydrant <small>(33 14 19 00-0221)</small>		
			Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0273	EA		1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,776.31	340.18
33 14 19 00-0274	EA		2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,862.30	340.18
33 14 19 00-0275	EA		2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,948.55	340.18
33 14 19 00-0276	EA		3' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,059.00	364.48
33 14 19 00-0277	EA		3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,145.05	364.48
33 14 19 00-0278	EA		4' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,261.52	394.85
33 14 19 00-0279	EA		4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,347.69	394.85
33 14 19 00-0280	EA		5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,464.19	425.23

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0281 EA 5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,550.27	425.23
33 14 19 00-0282 EA 6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,666.74	425.23
33 14 19 00-0283 EA 6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,783.47	485.97
33 14 19 00-0284 EA 7' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,929.27	485.97
33 14 19 00-0285 Two Way, Modern Model Fire Hydrant <small>(33 14 19 00-0221)</small>		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0286 EA 1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,698.05	340.18
33 14 19 00-0287 EA 2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,763.49	340.18
33 14 19 00-0288 EA 2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,829.66	340.18
33 14 19 00-0289 EA 3' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,918.63	364.48
33 14 19 00-0290 EA 3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,984.05	364.48
33 14 19 00-0291 EA 4' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,079.84	394.85
33 14 19 00-0292 EA 4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,145.24	394.85
33 14 19 00-0293 EA 5' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,241.12	425.23
33 14 19 00-0294 EA 5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,306.35	425.23
33 14 19 00-0295 EA 6' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,402.16	455.60
33 14 19 00-0296 EA 6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,498.04	485.97
33 14 19 00-0297 EA 7' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,623.40	546.72
33 14 19 00-0298 Fire Hydrant Extension Kits <small>(33 14 19 00-0221)</small>		
33 14 19 00-0299 EA 6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	568.69	30.37
33 14 19 00-0300 EA 12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	676.62	37.96
33 14 19 00-0301 EA 18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	740.01	45.56
33 14 19 00-0302 EA 24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	843.26	56.19
33 14 19 00-0303 EA 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,260.60	58.47
33 14 19 00-0304 EA 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,345.57	60.75
33 14 19 00-0305 EA 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,367.05	63.78
33 14 19 00-0306 EA 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,444.37	68.34
33 14 19 00-0307 EA 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,595.60	82.01
33 14 19 00-0308 EA 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,689.71	98.71
33 14 19 00-0309 EA 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	632.45	34.02
33 14 19 00-0310 EA 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	750.06	41.31
33 14 19 00-0311 EA 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	861.68	49.81
33 14 19 00-0312 EA 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	966.15	61.96
33 14 19 00-0313 EA 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,313.00	64.40
33 14 19 00-0314 EA 36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,399.12	66.82
33 14 19 00-0315 EA 42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,459.21	70.47
33 14 19 00-0316 EA 48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,703.52	75.32
33 14 19 00-0317 EA 54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,870.67	89.90
33 14 19 00-0318 EA 60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,972.37	108.13
33 14 19 00-0319 Removal And Reinstallation Of Standard Fire Hydrant <small>(33 14 19 00-0221)</small>		
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0320 EA Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	971.94	
33 14 19 00-0321 EA >5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	1,417.42	
33 14 19 00-0322 EA Reset Fire Hydrant Upper Barrel.....	1,193.56	
Note: Includes Safety Repair Kit		
33 14 19 00-0323 Yard Hydrants <small>(33 14 19)</small>		
Note: With 3/4" hose thread outlet.		
33 14 19 00-0324 EA 2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	388.57	44.15
33 14 19 00-0325 EA 4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	415.08	44.15
33 14 19 00-0326 EA 6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	441.59	44.15
33 14 19 00-0327 EA 2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	355.81	55.92
33 14 19 00-0328 EA 4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	370.46	55.92
33 14 19 00-0329 EA 6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	385.11	55.92
33 14 19 00-0330 Sanitary Yard Hydrants <small>(33 14 19)</small>		
Note: With 3/4" hose thread outlet.		
33 14 19 00-0331 EA 2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,655.32	91.98
33 14 19 00-0332 EA 4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,738.16	91.98
33 14 19 00-0333 EA 6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,821.00	91.98
33 14 19 00-0334 Flushing Hydrants <small>(33 14 19)</small>		
33 14 19 00-0335 EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth.....	874.30	56.50
33 14 23 Enclosures for Water Utility Piping and Valves <small>(33 14)</small>		
Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0385 for Enclosures.		
33 14 23 00-0001 Roadway Or Curb Valve Boxes <small>(33 14 23)</small>		
See CSI section 22 05 19 00-0000 for metering.		
33 14 23 00-0002 Round Head, Cast Iron Service, Roadway Or Valve Boxes <small>(33 14 23 00-0001)</small>		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0003 EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	301.61	17.88
Note: Includes cover, top section and bottom section.		
33 14 23 00-0004 EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	350.97	17.88
Note: Includes cover, top section and bottom section.		
33 14 23 00-0005 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	353.25	17.88
Note: Includes cover, top section and bottom section.		
33 14 23 00-0006 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	89.95	8.94
33 14 23 00-0007 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	103.02	8.94
33 14 23 00-0008 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	122.68	8.94
33 14 23 00-0009 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	455.73	22.36
Note: Includes cover, top section and bottom section.		
33 14 23 00-0010 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	790.82	31.30
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0011 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	882.90	31.30
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0012 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	473.99	22.36
Note: Includes cover, top section and bottom section.		
33 14 23 00-0013 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	495.99	22.36
Note: Includes cover, top section and bottom section.		
33 14 23 00-0014 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	479.19	22.36
Note: Includes cover, top section and bottom section.		
33 14 23 00-0015 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	173.51	8.94
33 14 23 00-0016 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	290.13	36.79
33 14 23 00-0017 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	300.13	38.27
33 14 23 00-0018 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	334.13	39.73
33 14 23 00-0019 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box.....	460.73	41.95
33 14 23 00-0020 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	556.07	44.15
33 14 23 00-0021 EA 18" Cast Iron Service Box Extension Section	130.66	
33 14 23 00-0022 Plastic Roadway Grade Water Meter Box And Cover (33 14 23 00-0001)		
33 14 23 00-0023 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	385.28	51.51
33 14 23 00-0024 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	289.77	36.79
33 14 23 00-0025 EA Cast Iron Lid For Plastic Meter Box	86.43	
33 14 23 00-0026 Traffic Valve Box And Lid (33 14 23 00-0001)		
33 14 23 00-0027 EA 10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5).....	236.13	
33 14 23 00-0028 EA 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12).....	723.04	
33 16 Water Utility Storage Tanks (33 10)		
33 16 23 Ground-Level Steel Water Storage Tanks (33 16)		
See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		
33 19 Water Utility Metering Equipment (33 10)		
33 19 13 Positive Displacement Water Meters (33 19)		
33 19 13 23 Nutating Disc Water Meters (33 19 13)		
33 19 13 23-0001 Bronze Disk Type Water Service Meters (33 19 13 23)		
33 19 13 23-0002 EA 5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	323.94	76.52
33 19 13 23-0003 EA 3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	406.08	91.24
33 19 13 23-0004 EA 1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	541.62	104.48
33 19 13 23-0005 EA 1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,044.09	155.99
33 19 13 23-0006 EA 2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,413.13	203.08
33 19 13 23-0007 Magnetic Driven, Positive Displacement Type Water Service Meters (33 19 13 23)		
33 19 13 23-0008 EA 5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i).....	576.51	76.52
For Owner Furnished Material, Deduct	-499.05	
33 19 13 23-0009 EA 3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i).....	658.08	91.24
For Owner Furnished Material, Deduct	-566.10	
33 19 13 23-0010 EA 1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i).....	973.74	104.48
For Owner Furnished Material, Deduct	-868.62	
33 19 13 23-0011 EA 1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i).....	1,643.81	155.99
For Owner Furnished Material, Deduct	-1,487.26	
33 19 13 23-0012 EA 2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i).....	2,037.12	203.08
For Owner Furnished Material, Deduct	-1,832.73	
33 19 13 23-0013 EA Electronic Transmitter.....	462.09	36.79
Note: For use with transmitting meter valve.		
For Owner Furnished Material, Deduct	-425.30	
33 19 16 Velocity-Type Water Meters (33 19)		
33 19 16 23 Turbine Water Meters (33 19 16)		
33 19 16 23-0001 Flanged Turbine Water Service Meter (33 19 16 23)		
33 19 16 23-0002 Vertical Turbine Meters (33 19 16 23-0001)		

33 Utilities**33 10 Water Utilities****33 19 Water Utility Metering Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 16 23-0003	EA		1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged.....	664.65	142.26
33 19 16 23-0004	EA		2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	919.10	180.60
33 19 16 23-0005	EA		3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	1,803.09	230.33
33 19 16 23-0006	EA		4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	2,713.40	360.40
33 19 16 23-0007	EA		6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	4,850.16	487.75
33 19 16 23-0008			Horizontal Turbine Meters (33 19 16 23-0001)		
33 19 16 23-0009	EA		1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged.....	988.90	142.26
33 19 16 23-0010	EA		2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged.....	1,382.00	180.60
33 19 16 23-0011	EA		3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	1,988.68	230.33
33 19 16 23-0012	EA		4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	2,958.72	360.40
33 19 16 23-0013	EA		6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	5,743.97	487.75
33 19 16 23-0014	EA		8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	7,630.23	623.24
33 19 16 23-0015	EA		10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged.....	10,502.16	758.73
33 19 16 23-0016	EA		12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	13,073.85	1,196.35
33 19 19			Compound Water Meters (33 19)		
33 19 19 00-0001			Flanged Compound Type Water Service Meter (33 19 19)		
33 19 19 00-0002	EA		2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	2,493.40	180.60
33 19 19 00-0003	EA		3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	3,206.74	230.33
33 19 19 00-0004	EA		4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	5,271.11	360.40
33 19 19 00-0005	EA		6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	7,352.40	487.75
33 19 19 00-0006	EA		8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	14,561.00	623.24
33 19 19 00-0007	EA		10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	24,508.75	758.73
33 19 23			Magnetic Water Meters (33 19)		
33 19 23 00-0001			Flanged Electromagnetic Flow (EMF) Water Meter (33 19 23)		
33 19 23 00-0002	EA		2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	8,455.02	180.60
33 19 23 00-0003	EA		3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	11,974.50	230.33
33 19 23 00-0004	EA		4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	13,796.65	360.40
33 19 26			Ultrasonic Water Meters (33 19)		
33 19 26 00-0001			Ultrasonic Water Service Meters (Mastermeter Octive) (33 19 26)		
33 19 26 00-0002	EA		3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	4,369.97	230.33
33 19 26 00-0003	EA		4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	5,086.08	360.40
33 19 26 00-0004	EA		6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	7,463.32	487.75
33 19 26 00-0005	EA		8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive).....	10,705.13	623.24
33 30 Sanitary Sewerage Utilities (33)					
33 31 Sanitary Sewerage Piping (33 30)					
33 31 11 Public Sanitary Sewerage Gravity Piping (33 31)					
Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill.					
33 31 11 00-0001			Plastic Sewer And Drain Piping (33 31 11)		
33 31 11 00-0002			Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)		
33 31 11 00-0003	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	9.86	4.02
33 31 11 00-0004	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.95	4.74
33 31 11 00-0005	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.57	5.75
33 31 11 00-0006	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	20.72	6.71
33 31 11 00-0007	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	28.34	7.80
33 31 11 00-0008	LF		8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	37.99	9.07
33 31 11 00-0009	LF		10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	51.91	9.39
33 31 11 00-0010	LF		12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	68.17	9.73
33 31 11 00-0011			Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)		
Note: D-2729 PVC pipe.					
33 31 11 00-0012	LF		3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.06	5.75
33 31 11 00-0013	LF		4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	15.38	6.71
33 31 11 00-0014	LF		6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	19.45	7.80
33 31 11 00-0015			Polyvinyl Chloride (PVC) Sewer And Drain Fittings (33 31 11 00-0001)		
33 31 11 00-0016			1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0017	EA		1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	30.06	15.91
33 31 11 00-0018	EA		2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	38.66	20.57
33 31 11 00-0019	EA		3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	65.95	27.62
33 31 11 00-0020	EA		4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	99.72	31.93
33 31 11 00-0021	EA		6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	377.97	41.50
33 31 11 00-0022	EA		8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	624.46	55.85



Utilities	33	CS
Sanitary Sewerage Utilities	33 30	
Sanitary Sewerage Piping	33 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0023 EA 10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	824.54	74.37
33 31 11 00-0024 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0025 EA 1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	31.49	15.91
33 31 11 00-0026 EA 2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	38.54	20.57
33 31 11 00-0027 EA 3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	63.80	27.62
33 31 11 00-0028 EA 4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	89.22	31.93
33 31 11 00-0029 EA 6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	351.26	41.50
33 31 11 00-0030 EA 8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	562.36	55.85
33 31 11 00-0031 EA 10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	641.89	74.37
33 31 11 00-0032 EA 12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	951.48	99.06
33 31 11 00-0033 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0034 EA 1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	47.47	15.67
33 31 11 00-0035 EA 2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	48.68	20.57
33 31 11 00-0036 EA 3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	91.71	27.62
33 31 11 00-0037 EA 4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	146.95	31.93
33 31 11 00-0038 EA 6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	286.75	41.50
33 31 11 00-0039 EA 8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	504.57	55.85
33 31 11 00-0040 EA 10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	822.39	74.37
33 31 11 00-0041 EA 12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,243.59	99.06
33 31 11 00-0042 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0043 EA 1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	34.55	15.91
33 31 11 00-0044 EA 2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	41.65	20.57
33 31 11 00-0045 EA 3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	72.72	27.62
33 31 11 00-0046 EA 4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	105.78	31.93
33 31 11 00-0047 EA 6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	466.85	41.50
33 31 11 00-0048 EA 8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	753.83	55.85
33 31 11 00-0049 EA 10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	853.99	74.37
33 31 11 00-0050 EA 12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	880.78	99.06
33 31 11 00-0051 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0052 EA 2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	39.67	18.15
33 31 11 00-0053 EA 3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	72.12	21.66
33 31 11 00-0054 EA 3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	69.02	23.89
33 31 11 00-0055 EA 4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	104.81	26.11
33 31 11 00-0056 EA 4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	113.06	29.63
33 31 11 00-0057 EA 6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	333.31	36.67
33 31 11 00-0058 EA 8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	701.16	48.63
33 31 11 00-0059 EA 10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	189.45	53.10
33 31 11 00-0060 EA 10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	258.13	57.91
33 31 11 00-0061 EA 10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	244.52	65.04
33 31 11 00-0062 EA 12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	733.84	70.30
33 31 11 00-0063 EA 12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	775.90	77.43
33 31 11 00-0064 EA 12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	822.85	86.72
33 31 11 00-0065 Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0066 EA 1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	47.10	24.04
33 31 11 00-0067 EA 2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	62.41	31.09
33 31 11 00-0068 EA 3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	103.79	41.02
33 31 11 00-0069 EA 4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	156.86	50.94
33 31 11 00-0070 EA 6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	551.96	55.85
33 31 11 00-0071 EA 8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	716.93	74.37
33 31 11 00-0072 Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0073 EA 1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	58.19	24.04
33 31 11 00-0074 EA 2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	68.86	31.09
33 31 11 00-0075 EA 3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	112.03	41.02
33 31 11 00-0076 EA 4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	170.34	50.94
33 31 11 00-0077 EA 6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	501.39	55.85
33 31 11 00-0078 EA 8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	620.88	74.37
33 31 11 00-0079 EA 10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	817.07	99.25
33 31 11 00-0080 EA 12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	1,284.00	132.45
33 31 11 00-0081 Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0082 EA 2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	75.61	24.04
33 31 11 00-0083 EA 2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	85.80	31.09
33 31 11 00-0084 EA 3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	100.58	41.02
33 31 11 00-0085 EA 4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	151.85	50.94
33 31 11 00-0086 EA 4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	164.49	50.94

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0087 Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0088 EA 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	93.79	31.09
33 31 11 00-0089 EA 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	122.28	41.02
33 31 11 00-0090 EA 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	239.82	55.36
33 31 11 00-0091 EA 4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	418.42	66.96
33 31 11 00-0092 EA 2" x 2" x 1-1/2" x 1-1/2 Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	117.04	41.02
33 31 11 00-0093 EA 3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	199.75	55.36
33 31 11 00-0094 EA 4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	352.23	66.96
33 31 11 00-0095 Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0096 EA 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	72.03	24.04
33 31 11 00-0097 EA 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	90.45	31.09
33 31 11 00-0098 EA 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	176.90	41.02
33 31 11 00-0099 EA 4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	315.84	50.94
33 31 11 00-0100 EA 2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	137.44	31.09
33 31 11 00-0101 EA 3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	219.46	41.02
33 31 11 00-0102 EA 3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	160.26	41.02
33 31 11 00-0103 EA 4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	295.88	50.94
33 31 11 00-0104 EA 4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	314.13	50.94
33 31 11 00-0105 Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0106 EA 1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	104.52	31.09
33 31 11 00-0107 EA 2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	123.48	41.02
33 31 11 00-0108 EA 3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	190.56	55.36
33 31 11 00-0109 EA 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	667.20	66.96
33 31 11 00-0110 EA 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	2,168.74	74.14
33 31 11 00-0111 Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0112 EA 4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	534.81	122.66
33 31 11 00-0113 EA 6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	1,256.66	158.25
33 31 11 00-0114 EA 8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	1,603.69	223.00
33 31 11 00-0115 EA 10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	2,221.41	358.72
33 31 11 00-0116 Couplings, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0117 EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	29.33	15.91
33 31 11 00-0118 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	36.69	20.45
33 31 11 00-0119 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	56.68	27.39
33 31 11 00-0120 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	73.39	31.93
33 31 11 00-0121 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	203.28	41.50
33 31 11 00-0122 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	490.99	55.85
33 31 11 00-0123 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	742.74	74.37
33 31 11 00-0124 EA 12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,223.86	99.06
33 31 11 00-0125 Adapters, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0126 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting.....	161.16	95.11
33 31 11 00-0127 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting.....	114.71	72.35
33 31 11 00-0128 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting.....	117.41	72.35
33 31 11 00-0129 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting.....	124.59	72.35
33 31 11 00-0130 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	163.13	95.11
33 31 11 00-0131 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	157.39	95.11
33 31 11 00-0132 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	147.94	95.11
33 31 11 00-0133 EA 4" Drain Grate, Drain And Sewer Fitting.....	80.33	48.91
33 31 11 00-0134 Caps, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0135 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	42.13	17.10
33 31 11 00-0136 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	69.22	21.29
33 31 11 00-0137 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	130.49	27.50
33 31 11 00-0138 Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0139 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	27.14	15.91
33 31 11 00-0140 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	35.31	20.57
33 31 11 00-0141 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	52.17	27.62
33 31 11 00-0142 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	68.35	31.93
33 31 11 00-0143 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	116.44	41.50
33 31 11 00-0144 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	432.38	55.85
33 31 11 00-0145 Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe <small>(33 31 11 00-0001)</small>		
Note: ASTM 3034.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0146 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	16.39	6.71
33 31 11 00-0147 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	21.26	7.80
33 31 11 00-0148 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	27.77	9.07
33 31 11 00-0149 LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	33.23	9.39
33 31 11 00-0150 LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	39.78	9.72
33 31 11 00-0151 LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	50.63	10.07
33 31 11 00-0152 LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	63.04	10.44
33 31 11 00-0153 LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	80.81	11.33
33 31 11 00-0154 LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	97.28	12.22
33 31 11 00-0155 LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	120.55	14.33
33 31 11 00-0156 Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)		
Note: ASTM 3034.		
33 31 11 00-0157 LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	17.08	6.71
33 31 11 00-0158 LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	22.94	7.80
33 31 11 00-0159 LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	30.96	9.07
33 31 11 00-0160 Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 11 00-0001)		
Note: ASTM 3034.		
33 31 11 00-0161 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0162 EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	89.36	28.08
33 31 11 00-0163 EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	132.69	32.66
33 31 11 00-0164 EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	278.50	37.00
33 31 11 00-0165 EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	800.65	43.54
33 31 11 00-0166 EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,034.64	55.51
33 31 11 00-0167 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0168 EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	80.61	28.08
33 31 11 00-0169 EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	123.04	32.66
33 31 11 00-0170 EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	254.11	37.00
33 31 11 00-0171 EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	571.07	43.54
33 31 11 00-0172 EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	816.35	55.51
33 31 11 00-0173 EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,751.43	78.36
33 31 11 00-0174 EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,779.25	111.02
33 31 11 00-0175 EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	4,638.44	146.93
33 31 11 00-0176 EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	6,324.74	195.90
33 31 11 00-0177 Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0178 EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	135.27	42.12
33 31 11 00-0179 EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	218.66	46.69
33 31 11 00-0180 EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	245.86	48.97
33 31 11 00-0181 EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	271.52	51.26
33 31 11 00-0182 EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	311.16	53.55
33 31 11 00-0183 EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	598.01	55.83
33 31 11 00-0184 EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	766.55	57.14
33 31 11 00-0185 EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	869.02	59.86
33 31 11 00-0186 EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,284.36	62.14
33 31 11 00-0187 EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,674.70	65.30
33 31 11 00-0188 EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	943.23	69.55
33 31 11 00-0189 EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,001.42	71.83
33 31 11 00-0190 EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,430.19	74.12
33 31 11 00-0191 EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,064.23	77.27
33 31 11 00-0192 EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,326.40	83.26
33 31 11 00-0193 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0194 EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	128.49	42.12
33 31 11 00-0195 EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	196.04	46.69
33 31 11 00-0196 EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	215.49	48.97
33 31 11 00-0197 EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	261.82	51.26
33 31 11 00-0198 EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	299.60	53.55
33 31 11 00-0199 EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	459.81	55.83
33 31 11 00-0200 EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	700.92	57.58
33 31 11 00-0201 EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	714.95	59.86
33 31 11 00-0202 EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,076.92	62.14
33 31 11 00-0203 EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,191.81	65.30
33 31 11 00-0204 EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	888.47	69.55
33 31 11 00-0205 EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	916.37	71.83
33 31 11 00-0206 EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,313.61	74.12
33 31 11 00-0207 EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,583.40	77.27
33 31 11 00-0208 EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,653.14	83.26
33 31 11 00-0209 EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,037.44	100.13
33 31 11 00-0210 EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,260.64	106.12
33 31 11 00-0211 EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,827.07	117.54

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0212 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0213 EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	88.58	28.08
33 31 11 00-0214 EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	137.84	32.66
33 31 11 00-0215 EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	203.72	37.22
33 31 11 00-0216 EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	387.04	43.54
33 31 11 00-0217 EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	549.43	55.51
33 31 11 00-0218 EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,075.94	78.36
33 31 11 00-0219 EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,025.26	111.02
33 31 11 00-0220 EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	3,381.08	146.93
33 31 11 00-0221 EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	4,895.27	195.90
33 31 11 00-0222 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0223 EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	170.52	30.37
33 31 11 00-0224 EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	244.80	32.66
33 31 11 00-0225 EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	258.13	34.93
33 31 11 00-0226 EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	583.19	38.09
33 31 11 00-0227 EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	670.40	40.38
33 31 11 00-0228 EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	749.11	44.08
33 31 11 00-0229 EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	859.95	46.36
33 31 11 00-0230 EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	986.18	49.52
33 31 11 00-0231 EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,485.09	66.93
33 31 11 00-0232 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0233 EA 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	140.78	
33 31 11 00-0234 EA 8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	186.12	
33 31 11 00-0235 EA 8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	190.31	
33 31 11 00-0236 EA 10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	315.78	
33 31 11 00-0237 EA 10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	333.32	
33 31 11 00-0238 EA 10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	634.99	
33 31 11 00-0239 EA 12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	359.55	
33 31 11 00-0240 EA 12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	392.42	
33 31 11 00-0241 EA 12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	879.48	
33 31 11 00-0242 EA 12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,037.76	
33 31 11 00-0243 EA 15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	412.00	
33 31 11 00-0244 EA 15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	440.69	
33 31 11 00-0245 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0246 EA 6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	150.60	
33 31 11 00-0247 EA 8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	186.12	
33 31 11 00-0248 EA 8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	203.68	
33 31 11 00-0249 EA 10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	289.77	
33 31 11 00-0250 EA 10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	331.21	
33 31 11 00-0251 EA 10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	504.06	
33 31 11 00-0252 EA 12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	357.46	
33 31 11 00-0253 EA 12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	390.44	
33 31 11 00-0254 EA 12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	586.29	
33 31 11 00-0255 EA 12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	714.12	
33 31 11 00-0256 EA 15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	410.71	
33 31 11 00-0257 EA 15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	430.97	
33 31 11 00-0258 EA 15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	720.56	
33 31 11 00-0259 EA 15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	797.70	
33 31 11 00-0260 EA 15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,129.23	
33 31 11 00-0261 Couplings And Plug Fittings <small>(33 31 11)</small>		
33 31 11 00-0262 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(33 31 11 00-0261)</small>		
Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.		
33 31 11 00-0263 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150).....	24.03	8.92
33 31 11 00-0264 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22).....	26.34	10.40
33 31 11 00-0265 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33).....	30.26	11.89
33 31 11 00-0266 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44).....	34.11	12.64
33 31 11 00-0267 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55).....	41.13	13.38
33 31 11 00-0268 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66).....	48.18	14.87
33 31 11 00-0269 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88).....	60.23	16.35
33 31 11 00-0270 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010).....	73.43	17.09
33 31 11 00-0271 EA 12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212).....	117.78	17.84
33 31 11 00-0272 EA 15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515).....	158.46	19.33
33 31 11 00-0273 EA 18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818).....	299.80	20.07
33 31 11 00-0274 EA 21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121).....	347.55	21.19
33 31 11 00-0275 EA 24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424).....	384.62	22.31
33 31 11 00-0276 EA 27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727).....	460.00	23.79



Utilities	33	CS
Sanitary Sewerage Utilities	33 30	
Sanitary Sewerage Piping	33 31	

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

33 31 11 00-0277	Cast Iron Service Saddles With U Bolt <small>(33 31 11)</small>		
33 31 11 00-0278	EA 2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	129.25	
33 31 11 00-0279	EA 3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	129.85	
33 31 11 00-0280	EA 3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	143.10	
33 31 11 00-0281	EA 4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	138.14	
33 31 11 00-0282	EA 4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	155.47	
33 31 11 00-0283	EA 4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	174.30	
33 31 11 00-0284	EA 4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	206.23	
33 31 11 00-0285	EA 6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	173.74	
33 31 11 00-0286	EA 6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	189.87	
33 31 11 00-0287	EA 6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	219.32	
33 31 11 00-0288	EA 4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	141.50	
33 31 11 00-0289	EA 4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	154.75	
33 31 11 00-0290	EA 4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt.....	182.17	
33 31 11 00-0291	EA 4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	215.89	
33 31 11 00-0292	EA 6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	231.36	

33 31 11 00-0293	Manhole Inside Bowl Drop <small>(33 31 11)</small>		
33 31 11 00-0294	EA Inside Pipe Drop, 4" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4DB).....	330.11	
33 31 11 00-0295	EA Inside Pipe Drop, 4" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4R96).....	345.88	
33 31 11 00-0296	EA Inside Pipe Drop, 6" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6DB).....	355.57	
33 31 11 00-0297	EA Inside Pipe Drop, 6" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6R96).....	367.58	
33 31 11 00-0298	EA Inside Pipe Drop, 8" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DB).....	382.92	
33 31 11 00-0299	EA Inside Pipe Drop, 8" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DBR84).....	410.20	
33 31 11 00-0300	EA Inside Pipe Drop, 10" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10DB).....	428.37	
33 31 11 00-0301	EA Inside Pipe Drop, 10" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10R96).....	442.01	
33 31 11 00-0302	EA Inside Pipe Drop, 12" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R60).....	755.83	
33 31 11 00-0303	EA Inside Pipe Drop, 12" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R96).....	776.29	

33 32 Sanitary Sewerage Equipment (33 30)

33 32 16 Packaged Wastewater Grinder Pump Assemblies (33 32)

33 32 16 00-0001	Submersible Grinder Pumps, Cast Iron With Bronze Impeller <small>(33 32 16)</small>		
33 32 16 00-0002	EA 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge..... Note: Zoeller 840 series.	2,368.53	441.77
33 32 16 00-0003	EA 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge..... Note: Zoeller 840 series.	2,337.83	441.77
33 32 16 00-0004	EA Simplex Control Panel With Auto Reversing Switch..... Note: For Zoeller 840 series grinder pump.	1,091.54	147.21
33 32 16 00-0005	EA Duplex Control Panel With Auto Reversing Switch..... Note: For Zoeller 840 series grinder pump.	1,662.03	147.21
33 32 16 00-0006	EA Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74).....	12,899.20	

33 32 16 00-0007 **Submersible Grinder Pumps** (33 32 16)

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 00-0008	EA 2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof.....	4,032.72	811.32
33 32 16 00-0009	EA 3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof.....	5,954.96	946.53
33 32 16 00-0010	EA 5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof.....	7,308.19	1,216.97

33 34 Onsite Wastewater Disposal (33 30)

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks (33 34)

33 34 13 13 Concrete Septic Tanks (33 34 13)

33 34 13 13-0001	Precast Concrete Septic Tank <small>(33 34 13 13)</small>		
Note: Includes external coating.			
33 34 13 13-0002	EA 1,000 Gallon Precast Septic Tank..... <i>For Non-Traffic Rated, Deduct</i>	4,140.31 -785.99	811.32
33 34 13 13-0003	EA 1,250 Gallon Precast Septic Tank..... <i>For Non-Traffic Rated, Deduct</i>	4,969.07 -967.39	895.55
33 34 13 13-0004	EA 1,500 Gallon Precast Septic Tank..... <i>For Non-Traffic Rated, Deduct</i>	5,766.15 -1,140.84	979.66
33 34 13 13-0005	EA 2,000 Gallon Precast Septic Tank..... <i>For Non-Traffic Rated, Deduct</i>	7,384.84 -1,520.31	1,064.85
33 34 13 13-0006	EA 2,500 Gallon Precast Septic Tank..... <i>For Non-Traffic Rated, Deduct</i>	8,816.26 -1,754.27	1,470.51
33 34 13 13-0007	EA 4,000 Gallon Precast Septic Tank..... <i>For Non-Traffic Rated, Deduct</i>	23,286.22 -5,199.55	2,028.29
33 34 13 13-0008	EA 5,000 Gallon Precast Septic Tank..... <i>For Non-Traffic Rated, Deduct</i>	42,288.34 -9,641.73	3,042.43
33 34 13 13-0009	EA 7,500 Gallon Precast Septic Tank..... <i>For Non-Traffic Rated, Deduct</i>	47,485.08 -10,575.42	4,259.41

33 Utilities**33 30 Sanitary Sewerage Utilities****33 34 Onsite Wastewater Disposal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 13 13-0010 EA 10,000 Gallon Precast Septic Tank..... <i>For Non-Traffic Rated, Deduct</i>	58,216.76 -12,999.17	5,096.15
33 34 13 13-0011 EA 12,500 Gallon Precast Septic Tank..... <i>For Non-Traffic Rated, Deduct</i>	68,824.57 -15,262.36	6,313.13
33 34 13 23 Fiberglass Septic Tank (33 34 13)		
33 34 13 23-0001 Fiberglass Septic Tank (33 34 13 23)		
33 34 13 23-0002 EA 1,000 Gallon Fiberglass Septic Tank	4,177.83	608.49
33 34 13 23-0003 EA 1,250 Gallon Fiberglass Septic Tank	4,941.46	811.32
33 34 13 23-0004 EA 1,500 Gallon Fiberglass Septic Tank	5,641.97	735.33
33 34 13 23-0005 EA 2,000 Gallon Fiberglass Septic Tank	9,332.32	796.03
33 34 13 23-0006 EA 2,500 Gallon Fiberglass Septic Tank	11,740.57	1,103.39
33 34 13 23-0007 EA 4,000 Gallon Fiberglass Septic Tank	18,564.84	1,521.22
33 34 13 23-0008 EA 5,000 Gallon Fiberglass Septic Tank	27,560.67	2,281.83
33 34 13 23-0009 EA 7,500 Gallon Fiberglass Septic Tank	37,844.04	3,194.56
33 34 13 23-0010 EA 10,000 Gallon Fiberglass Septic Tank	46,423.04	3,818.19
33 34 13 33 Polyethylene Septic Tank (33 34 13)		
33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank (33 34 13 33)		
33 34 13 33-0002 EA 300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,371.09	270.97
33 34 13 33-0003 EA 500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,074.75	304.85
33 34 13 33-0004 EA 900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,868.18	372.59
33 34 13 33-0005 EA 1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,953.04	406.46
33 34 13 33-0006 EA 1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,412.12	440.34
33 34 13 33-0007 EA 1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	4,076.65	474.20
33 34 13 33-0008 EA 750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,876.25	338.72
33 34 13 33-0009 EA 1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,148.71	406.46
33 34 13 33-0010 EA 1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,690.95	440.34
33 34 13 33-0011 EA 1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	4,321.24	474.20
33 34 51 Drainage Field System (33 34)		
33 34 51 00-0001 Leaching Pit - Precast Concrete (33 34 51)		
Note: Includes external coating.		
33 34 51 00-0002 EA 3' Diameter, 3' High, Precast Concrete Leaching Pit	1,188.97	118.99
33 34 51 00-0003 EA 4' Diameter, 3' High, Precast Concrete Leaching Pit	1,686.61	169.02
33 34 51 00-0004 EA 6' Diameter, 3' High, Precast Concrete Leaching Pit	2,246.45	202.83
33 34 51 00-0005 EA 8' Diameter, 4' High, Precast Concrete Leaching Pit	3,649.07	338.04
33 34 51 00-0006 EA 10' Diameter, 4' High, Precast Concrete Leaching Pit	5,346.19	473.27
33 34 53 Distribution Chambers (33 34)		
33 34 53 13 Drainage Field Concrete Distribution Chambers (33 34 53)		
33 34 53 13-0001 Concrete Distribution Boxes (33 34 53 13)		
Note: Includes internal and external coating.		
33 34 53 13-0002 EA 3 Outlet Concrete Distribution Box.....	377.36	89.62
33 34 53 13-0003 EA 5 Outlet Concrete Distribution Box.....	440.12	107.55
33 34 53 13-0004 EA 8 Outlet Concrete Distribution Box.....	752.34	125.47
33 34 53 13-0005 EA 12 Outlet Concrete Distribution Box.....	1,477.01	215.10
33 34 53 13-0006 Leaching Field Chambers - Precast Concrete (33 34 53 13)		
33 34 53 13-0007 EA Standard Leaching Field Chamber 13' x 3'-7" x 1'-4".....	1,367.97	89.24
33 34 53 13-0008 EA Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6".....	1,655.13	121.69
33 34 56 Drainage Field Dosing Chambers (33 34)		
33 34 56 00-0001 Dosing Siphon (33 34 56)		
33 34 56 00-0002 EA Dosing Siphon With Electrical Connection And Solenoid Valve.....	5,799.96	
33 34 56 00-0003 EA Solar Power Control For Dosing Siphon	3,974.17	
33 34 56 00-0004 EA Electrical Power Control For Dosing Siphon	3,819.65	

33 40 Stormwater Utilities (33)**33 41 Subdrainage (33 40)****33 41 16 Subdrainage Piping (33 41)****33 41 16 13 Subdrainage Piping (33 41 16)**

See CSI section 33 42 11 00-0227 for polyethylene drain pipe.

33 41 16 13-0001 Corrugated High Density Polyethylene (HDPE) Drainage Piping (33 41 16 13)



	Utilities	33	CS
	Stormwater Utilities	33 40	
	Subdrainage	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0002 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-0001)</small> Note: Excludes couplings and gaskets.		
33 41 16 13-0003 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-0002)</small>		
33 41 16 13-0004 LF 4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....5.74 4.83 For <100, Add 1.01 For >1,000, Deduct -0.53		
33 41 16 13-0005 LF 6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....7.20 5.17 For <100, Add 1.14 For >1,000, Deduct -0.62		
33 41 16 13-0006 LF 8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....9.02 5.43 For <100, Add 1.27 For >1,000, Deduct -0.72		
33 41 16 13-0007 LF 10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....12.22 5.60 For <100, Add 1.45 For >1,000, Deduct -0.89		
33 41 16 13-0008 LF 12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....14.37 6.11 For <100, Add 1.64 For >1,000, Deduct -1.02		
33 41 16 13-0009 LF 15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....18.93 6.90 For <100, Add 1.98 For >1,000, Deduct -1.29		
33 41 16 13-0010 LF 18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....30.19 11.36 For <100, Add 3.21 For >1,000, Deduct -2.08		
33 41 16 13-0011 LF 24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....41.89 12.48 For <100, Add 3.97 For >1,000, Deduct -2.72		
33 41 16 13-0012 Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-0002)</small>		
33 41 16 13-0013 LF 4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....5.61 4.83 For <100, Add 1.01 For >1,000, Deduct -0.52		
33 41 16 13-0014 LF 6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....7.14 5.17 For <100, Add 1.13 For >1,000, Deduct -0.62		
33 41 16 13-0015 LF 8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....11.48 5.43 For <100, Add 1.39 For >1,000, Deduct -0.85		
33 41 16 13-0016 LF 10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....13.52 5.60 For <100, Add 1.52 For >1,000, Deduct -0.96		
33 41 16 13-0017 LF 12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....15.79 6.11 For <100, Add 1.71 For >1,000, Deduct -1.10		
33 41 16 13-0018 LF 15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....18.78 6.90 For <100, Add 1.97 For >1,000, Deduct -1.28		
33 41 16 13-0019 LF 18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....29.26 11.36 For <100, Add 3.17 For >1,000, Deduct -2.03		
33 41 16 13-0020 LF 24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....40.40 12.48 For <100, Add 3.89 For >1,000, Deduct -2.64		
33 41 16 13-0021 Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 41 16 13-0001)</small> Note: Excludes couplings and gaskets.		
33 41 16 13-0022 Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0023 EA 4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....49.09 26.13		
33 41 16 13-0024 EA 6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....58.44 30.49		
33 41 16 13-0025 EA 8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....96.33 37.02		
33 41 16 13-0026 EA 10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....123.87 45.74		
33 41 16 13-0027 EA 12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....185.48 54.45		
33 41 16 13-0028 EA 15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....408.32 71.15		
33 41 16 13-0029 EA 18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....486.99 95.82		
33 41 16 13-0030 EA 24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....929.91 108.89		
33 41 16 13-0031 Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0032 EA 4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....50.56 26.13		
33 41 16 13-0033 EA 6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....63.27 30.49		
33 41 16 13-0034 EA 8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....146.83 37.02		
33 41 16 13-0035 45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0036 EA 4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....33.22 17.43		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0037		90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0038	EA	4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	34.77	17.43
33 41 16 13-0039	EA	6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	45.21	20.33
33 41 16 13-0040	EA	8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	67.82	24.69
33 41 16 13-0041	EA	10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	89.61	30.49
33 41 16 13-0042		Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 <small>(33 41 16 13)</small>		
		Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043	LF	3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	8.03	4.82
		For <100, Add	1.12	
		For >1,000, Deduct	-0.64	
33 41 16 13-0044	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	8.77	5.21
		For <100, Add	1.22	
		For >1,000, Deduct	-0.70	
33 41 16 13-0045	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	12.39	6.25
		For <100, Add	1.56	
		For >1,000, Deduct	-0.93	
33 41 16 13-0046	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	19.27	7.81
		For <100, Add	2.14	
		For >1,000, Deduct	-1.35	
33 41 16 13-0047	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	31.06	8.13
		For <100, Add	2.77	
		For >1,000, Deduct	-1.96	
33 41 16 13-0048	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	39.58	8.88
		For <100, Add	3.31	
		For >1,000, Deduct	-2.42	
33 41 16 13-0049	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	54.51	10.00
		For <100, Add	4.23	
		For >1,000, Deduct	-3.23	
33 41 16 13-0050		Perforated Non Reinforced Concrete Drainage Piping, C444 <small>(33 41 16 13)</small>		
33 41 16 13-0051	LF	6" Perforated Non Reinforced Concrete Drainage Pipe	34.74	12.03
		For Extra Strength, Add	2.06	
		For >1,000, Deduct	-1.74	
33 41 16 13-0052	LF	8" Perforated Non Reinforced Concrete Drainage Pipe	40.74	13.36
		For Extra Strength, Add	2.54	
		For >1,000, Deduct	-2.04	
33 41 16 13-0053	LF	10" Perforated Non Reinforced Concrete Drainage Pipe	46.19	14.70
		For Extra Strength, Add	2.96	
		For >1,000, Deduct	-2.31	
33 41 16 13-0054	LF	12" Perforated Non Reinforced Concrete Drainage Pipe	54.48	16.04
		For Extra Strength, Add	3.71	
		For >1,000, Deduct	-2.72	
33 41 16 13-0055		Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16 13)</small>		
		Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0056	LF	6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	28.34	12.03
		For >1,000, Deduct	-1.42	
33 41 16 13-0057	LF	8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	31.36	13.36
		For >1,000, Deduct	-1.57	
33 41 16 13-0058	LF	10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	34.60	14.70
		For >1,000, Deduct	-1.73	
33 41 16 13-0059	LF	12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	39.66	15.27
		For >1,000, Deduct	-1.98	
33 41 16 13-0060	LF	15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	46.25	17.18
		For >1,000, Deduct	-2.31	
33 41 16 13-0061	LF	18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	57.19	21.95
		For >1,000, Deduct	-2.86	
33 41 16 13-0062	LF	21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	71.38	28.16
		For >1,000, Deduct	-3.57	
33 41 16 13-0063	LF	24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	87.05	34.36
		For >1,000, Deduct	-4.35	
33 41 16 13-0064		Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16 13)</small>		
33 41 16 13-0065	LF	6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	26.24	12.03
		For >1,000, Deduct	-1.31	
33 41 16 13-0066	LF	8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	33.70	13.36
		For >1,000, Deduct	-1.69	
33 41 16 13-0067	LF	10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	43.06	14.70
		For >1,000, Deduct	-2.15	
33 41 16 13-0068	LF	12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	52.61	16.04
		For >1,000, Deduct	-2.63	
33 41 16 13-0069	LF	15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	60.36	17.84
		For >1,000, Deduct	-3.02	



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Subdrainage	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0070 LF 18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	78.39 -3.92	22.25
33 41 16 13-0071 Perforated Vitrified Clay Drainage Piping, C700 <small>(33 41 16 13)</small>		
33 41 16 13-0072 LF 4" Perforated Vitrified Clay Drainage Pipe	24.63	13.36
33 41 16 13-0073 LF 6" Perforated Vitrified Clay Drainage Pipe	29.33	15.04
33 41 16 13-0074 LF 8" Perforated Vitrified Clay Drainage Pipe	33.26	15.04
33 41 16 13-0075 LF 10" Perforated Vitrified Clay Drainage Pipe	44.41	18.38
33 41 16 13-0076 LF 12" Perforated Vitrified Clay Drainage Pipe	52.61	20.04
33 41 16 13-0077 Geotextile Filter Fabric Sock <small>(33 41 16 13)</small>		
33 41 16 13-0078 LF 3" Geotextile Filter Fabric Sock.....	0.81	
33 41 16 13-0079 LF 4" Geotextile Filter Fabric Sock.....	1.06	
33 41 16 13-0080 LF 6" Geotextile Filter Fabric Sock.....	1.61	
33 41 16 13-0081 LF 8" Geotextile Filter Fabric Sock.....	2.16	
33 41 16 13-0082 LF 10" Geotextile Filter Fabric Sock.....	3.24	
33 41 16 13-0083 LF 12" Geotextile Filter Fabric Sock.....	4.48	
33 41 16 13-0084 LF 15" Geotextile Filter Fabric Sock.....	5.40	
33 41 16 13-0085 Strip-Perforated, Galvanized, Corrugated Steel Pipe <small>(33 41 16 13)</small>		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0086 LF 6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	23.85	5.72
<i>For Full Perforated, Add</i>	1.24	
33 41 16 13-0087 LF 8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	30.23	6.94
<i>For Full Perforated, Add</i>	1.63	
33 41 16 13-0088 LF 10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	38.11	8.81
<i>For Full Perforated, Add</i>	2.05	
33 41 16 13-0089 LF 12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	42.26	10.42
<i>For Full Perforated, Add</i>	2.14	
33 41 16 13-0090 LF 15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	48.50	10.78
<i>For Full Perforated, Add</i>	2.69	
33 41 16 13-0091 LF 18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	54.88	11.17
<i>For Full Perforated, Add</i>	3.25	
33 41 16 13-0092 LF 21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	62.83	12.05
<i>For Full Perforated, Add</i>	3.87	
33 41 16 13-0093 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <small>(33 41 16 13)</small>		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0094 LF 6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	25.85	5.72
<i>For Full Perforated, Add</i>	1.44	
33 41 16 13-0095 LF 8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	32.94	6.94
<i>For Full Perforated, Add</i>	1.91	
33 41 16 13-0096 LF 10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	41.42	8.81
<i>For Full Perforated, Add</i>	2.38	
33 41 16 13-0097 LF 12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	45.47	10.42
<i>For Full Perforated, Add</i>	2.46	
33 41 16 13-0098 LF 15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	52.46	10.78
<i>For Full Perforated, Add</i>	3.09	
33 41 16 13-0099 LF 18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	59.59	11.17
<i>For Full Perforated, Add</i>	3.72	
33 41 16 13-0100 LF 21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	68.31	12.05
<i>For Full Perforated, Add</i>	4.42	
33 41 16 13-0101 Strip-Perforated, Corrugated Aluminum Pipe <small>(33 41 16 13)</small>		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0102 LF 6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	26.49	5.72
<i>For Full Perforated, Add</i>	1.50	
33 41 16 13-0103 LF 8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	33.77	6.94
<i>For Full Perforated, Add</i>	1.99	
33 41 16 13-0104 LF 10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	42.47	8.81
<i>For Full Perforated, Add</i>	2.49	
33 41 16 13-0105 LF 12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	53.39	10.42
<i>For Full Perforated, Add</i>	3.26	
33 41 16 13-0106 LF 15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	62.31	10.78
<i>For Full Perforated, Add</i>	4.08	
33 41 16 13-0107 LF 18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	71.53	11.17
<i>For Full Perforated, Add</i>	4.92	
33 41 16 13-0108 LF 21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	82.24	12.05
<i>For Full Perforated, Add</i>	5.81	
33 41 19 Underslab Drainage <small>(33 41)</small>		
33 41 19 13 Underslab Drainage Piping <small>(33 41 19)</small>		
33 41 19 13-0001 Capillary Water Barrier Underslab Drainage <small>(33 41 19 13)</small>		
Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 41 19 13-0002 CY 2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	118.28	

33	Utilities
33 40	Stormwater Utilities
33 41	Subdrainage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 19 13-0003	CY		4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	115.73	
33 41 19 13-0004	CY		6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	114.71	
33 41 19 13-0005	CY		8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	113.19	
33 42 Stormwater Conveyance ^(33 40)					
Note: Piping includes hydrostatic testing, disinfecting and warning tape.					
33 42 11 Stormwater Gravity Piping ^(33 42)					
33 42 11 00-0001 Reinforced Concrete Piping ^(33 42 11)					
33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets ^(33 42 11 00-0001)					
33 42 11 00-0003	LF		12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	52.39	16.04
			<i>For >1,000, Deduct</i>	-2.62	
			<i>For Class 4, Add</i>	2.80	
			<i>For Class 5, Add</i>	5.90	
33 42 11 00-0004	LF		15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	63.24	17.84
			<i>For >1,000, Deduct</i>	-3.16	
			<i>For Class 4, Add</i>	3.59	
			<i>For Class 5, Add</i>	7.55	
33 42 11 00-0005	LF		18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	71.50	22.25
			<i>For >1,000, Deduct</i>	-3.58	
			<i>For Class 4, Add</i>	3.77	
			<i>For Class 5, Add</i>	7.94	
33 42 11 00-0006	LF		21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	91.70	28.06
			<i>For >1,000, Deduct</i>	-4.59	
			<i>For Class 4, Add</i>	4.90	
			<i>For Class 5, Add</i>	10.32	
33 42 11 00-0007	LF		24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	107.07	34.08
			<i>For >1,000, Deduct</i>	-5.35	
			<i>For Class 4, Add</i>	5.55	
			<i>For Class 5, Add</i>	11.68	
33 42 11 00-0008	LF		27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	135.43	43.22
			<i>For >1,000, Deduct</i>	-6.77	
			<i>For Class 4, Add</i>	7.00	
			<i>For Class 5, Add</i>	14.74	
33 42 11 00-0009	LF		30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	144.22	44.63
			<i>For >1,000, Deduct</i>	-7.21	
			<i>For Class 4, Add</i>	7.57	
			<i>For Class 5, Add</i>	15.94	
33 42 11 00-0010	LF		36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	179.81	50.71
			<i>For >1,000, Deduct</i>	-8.99	
			<i>For Class 4, Add</i>	10.27	
			<i>For Class 5, Add</i>	21.62	
33 42 11 00-0011	LF		42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	235.33	55.78
			<i>For >1,000, Deduct</i>	-11.77	
			<i>For Class 4, Add</i>	14.86	
			<i>For Class 5, Add</i>	31.29	
33 42 11 00-0012	LF		48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	282.77	62.12
			<i>For >1,000, Deduct</i>	-14.14	
			<i>For Class 4, Add</i>	18.43	
			<i>For Class 5, Add</i>	38.81	
33 42 11 00-0013	LF		54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	353.36	70.99
			<i>For >1,000, Deduct</i>	-17.67	
			<i>For Class 4, Add</i>	23.93	
			<i>For Class 5, Add</i>	50.39	
33 42 11 00-0014	LF		60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	427.49	82.35
			<i>For >1,000, Deduct</i>	-21.37	
			<i>For Class 4, Add</i>	29.44	
			<i>For Class 5, Add</i>	61.97	
33 42 11 00-0015	LF		66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	667.35	91.27
			<i>For >1,000, Deduct</i>	-33.37	
			<i>For Class 4, Add</i>	51.07	
			<i>For Class 5, Add</i>	107.51	
33 42 11 00-0016	LF		72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	780.13	99.39
			<i>For >1,000, Deduct</i>	-39.01	
			<i>For Class 4, Add</i>	60.62	
			<i>For Class 5, Add</i>	127.63	
33 42 11 00-0017	LF		78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	939.93	111.55
			<i>For >1,000, Deduct</i>	-47.00	
			<i>For Class 4, Add</i>	74.12	
			<i>For Class 5, Add</i>	156.04	
33 42 11 00-0018	LF		84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	1,215.38	124.23
			<i>For >1,000, Deduct</i>	-60.77	
			<i>For Class 4, Add</i>	98.60	
			<i>For Class 5, Add</i>	207.58	
33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets ^(33 42 11 00-0001)					
33 42 11 00-0020	LF		12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size).....	82.10	25.21
			<i>For >1,000, Deduct</i>	-4.11	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	4.61	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	10.14	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	22.12	



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0021	LF		14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size).....	128.19	29.59
			<i>For >1,000, Deduct</i>	-6.41	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	8.59	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	18.90	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	41.24	
33 42 11 00-0022	LF		19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size).....	177.15	45.32
			<i>For >1,000, Deduct</i>	-8.86	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	11.24	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	24.73	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	53.96	
33 42 11 00-0023	LF		22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size).....	207.76	57.47
			<i>For >1,000, Deduct</i>	-10.39	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	12.57	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	27.65	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	60.32	
33 42 11 00-0024	LF		24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size).....	220.76	60.05
			<i>For >1,000, Deduct</i>	-11.04	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	13.50	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	29.69	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	64.79	
33 42 11 00-0025	LF		27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size).....	254.70	63.40
			<i>For >1,000, Deduct</i>	-12.74	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	16.41	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	36.11	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	78.78	
33 42 11 00-0026	LF		29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size).....	288.65	66.75
			<i>For >1,000, Deduct</i>	-14.43	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	19.33	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	42.52	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	92.78	
33 42 11 00-0027	LF		34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size).....	353.59	73.46
			<i>For >1,000, Deduct</i>	-17.68	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	24.87	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	54.71	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	119.36	
33 42 11 00-0028	LF		38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size).....	427.39	82.61
			<i>For >1,000, Deduct</i>	-21.37	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	30.94	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	68.06	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	148.49	
33 42 11 00-0029	LF		43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size).....	486.42	94.41
			<i>For >1,000, Deduct</i>	-24.32	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	35.16	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	77.34	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	168.74	
33 42 11 00-0030	LF		48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size).....	604.10	109.53
			<i>For >1,000, Deduct</i>	-30.21	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	44.76	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	98.48	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	214.87	
33 42 11 00-0031	LF		53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size).....	690.49	120.68
33 42 11 00-0032	LF		58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size).....	840.62	131.84
33 42 11 00-0033	LF		63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size).....	1,006.28	149.08
33 42 11 00-0034	LF		68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size).....	1,088.37	165.31
33 42 11 00-0035	LF		72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size).....	1,402.68	173.42
33 42 11 00-0036	LF		77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size).....	1,630.07	181.53
33 42 11 00-0037			Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0038	EA		12" Concrete Reducing Wye Without Gaskets.....	669.28	61.09
33 42 11 00-0039	EA		15" Concrete Reducing Wye Without Gaskets.....	802.29	74.45
33 42 11 00-0040	EA		18" Concrete Reducing Wye Without Gaskets.....	993.78	82.09
33 42 11 00-0041	EA		21" Concrete Reducing Wye Without Gaskets.....	1,138.77	101.18
33 42 11 00-0042	EA		24" Concrete Reducing Wye Without Gaskets.....	1,285.20	122.18
33 42 11 00-0043			Concrete Pipe Joint Gaskets (33 42 11 00-0001)		
33 42 11 00-0044	EA		12" Diameter Concrete Pipe Joint Gasket.....	6.54	
33 42 11 00-0045	EA		15" Diameter Concrete Pipe Joint Gasket.....	7.73	
33 42 11 00-0046	EA		18" Diameter Concrete Pipe Joint Gasket.....	8.96	
33 42 11 00-0047	EA		21" Diameter Concrete Pipe Joint Gasket.....	10.83	
33 42 11 00-0048	EA		24" Diameter Concrete Pipe Joint Gasket.....	12.69	
33 42 11 00-0049	EA		27" Diameter Concrete Pipe Joint Gasket.....	14.14	
33 42 11 00-0050	EA		30" Diameter Concrete Pipe Joint Gasket.....	15.54	
33 42 11 00-0051	EA		36" Diameter Concrete Pipe Joint Gasket.....	18.98	
33 42 11 00-0052	EA		42" Diameter Concrete Pipe Joint Gasket.....	22.00	
33 42 11 00-0053	EA		48" Diameter Concrete Pipe Joint Gasket.....	25.38	
33 42 11 00-0054	EA		54" Diameter Concrete Pipe Joint Gasket.....	31.11	
33 42 11 00-0055	EA		60" Diameter Concrete Pipe Joint Gasket.....	46.05	
33 42 11 00-0056	EA		66" Diameter Concrete Pipe Joint Gasket.....	47.86	
33 42 11 00-0057	EA		72" Diameter Concrete Pipe Joint Gasket.....	49.63	
33 42 11 00-0058	EA		78" Diameter Concrete Pipe Joint Gasket.....	57.16	
33 42 11 00-0059	EA		84" Diameter Concrete Pipe Joint Gasket.....	68.52	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0060			Precast Concrete Cut Off Wall <small>(33 42 11 00-0001)</small>		
33 42 11 00-0061	EA		12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	290.99	178.49
33 42 11 00-0062	EA		15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	358.55	221.08
33 42 11 00-0063	EA		18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	442.35	279.90
33 42 11 00-0064	EA		21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	522.08	334.66
33 42 11 00-0065	EA		24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	599.69	387.29
33 42 11 00-0066	EA		27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	732.26	494.89
33 42 11 00-0067	EA		30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	944.06	681.49
33 42 11 00-0068	EA		36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,172.72	859.97
33 42 11 00-0069	EA		42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,441.29	1,078.82
33 42 11 00-0070	EA		48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,609.68	1,215.93
33 42 11 00-0071	EA		54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,794.98	1,362.98
33 42 11 00-0072	EA		60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,982.08	1,514.09
33 42 11 00-0073	EA		66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	2,060.13	1,571.89
33 42 11 00-0074	EA		72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	2,128.83	1,622.59
33 42 11 00-0075	EA		78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	2,197.54	1,673.30
33 42 11 00-0076	EA		84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	2,268.50	1,724.01
33 42 11 00-0077			Strap Assembly <small>(33 42 11 00-0001)</small>		
			Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0078	EA		Up To 24" Diameter Pipe, 12' Strap Assembly.....	232.21	
33 42 11 00-0079	EA		>24" Diameter Pipe, 12' Strap Assembly.....	327.98	
33 42 11 00-0080			Prestressed Concrete Cylinder Piping <small>(33 42 11)</small>		
33 42 11 00-0081			150 PSI Prestressed Concrete Cylinder Pipe And Fittings <small>(33 42 11 00-0080)</small>		
33 42 11 00-0082			150 PSI Prestressed Concrete Cylinder Pipe With Gaskets <small>(33 42 11 00-0081)</small>		
			Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0083	LF		12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	149.93	16.04
			For >1,000, Deduct.....	-7.50	
			For 100 PSI, Deduct.....	-31.76	
33 42 11 00-0084	LF		15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	159.86	17.84
			For >1,000, Deduct.....	-7.99	
			For 100 PSI, Deduct.....	-33.59	
33 42 11 00-0085	LF		18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	173.51	22.25
			For >1,000, Deduct.....	-8.68	
			For 100 PSI, Deduct.....	-35.43	
33 42 11 00-0086	LF		21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	189.17	28.06
			For >1,000, Deduct.....	-9.46	
			For 100 PSI, Deduct.....	-37.27	
33 42 11 00-0087	LF		24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	205.11	34.08
			For >1,000, Deduct.....	-10.26	
			For 100 PSI, Deduct.....	-39.11	
33 42 11 00-0088	LF		30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	239.65	44.63
			For >1,000, Deduct.....	-11.98	
			For 100 PSI, Deduct.....	-43.79	
33 42 11 00-0089	LF		36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	265.56	50.71
			For >1,000, Deduct.....	-13.28	
			For 100 PSI, Deduct.....	-48.47	
33 42 11 00-0090	LF		42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	308.86	55.78
			For >1,000, Deduct.....	-15.44	
			For 100 PSI, Deduct.....	-57.49	
33 42 11 00-0091	LF		48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	354.80	62.12
			For >1,000, Deduct.....	-17.74	
			For 100 PSI, Deduct.....	-66.52	
33 42 11 00-0092	LF		54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	472.35	81.69
			For >1,000, Deduct.....	-23.62	
			For 100 PSI, Deduct.....	-88.91	
33 42 11 00-0093	LF		60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	569.90	94.77
			For >1,000, Deduct.....	-28.50	
			For 100 PSI, Deduct.....	-108.63	
33 42 11 00-0094	LF		66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	640.74	105.03
			For >1,000, Deduct.....	-32.04	
			For 100 PSI, Deduct.....	-122.84	
33 42 11 00-0095	LF		72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	714.90	114.38
			For >1,000, Deduct.....	-35.75	
			For 100 PSI, Deduct.....	-137.88	
33 42 11 00-0096	LF		78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	812.21	128.38
			For >1,000, Deduct.....	-40.61	
			For 100 PSI, Deduct.....	-157.10	
33 42 11 00-0097	LF		84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	909.51	142.96
			For >1,000, Deduct.....	-45.48	
			For 100 PSI, Deduct.....	-176.32	
33 42 11 00-0098	LF		90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,125.01	166.89
			For >1,000, Deduct.....	-56.25	
			For 100 PSI, Deduct.....	-221.44	
33 42 11 00-0099	LF		96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,325.17	190.58
			For >1,000, Deduct.....	-66.26	
			For 100 PSI, Deduct.....	-263.22	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0100 LF 102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,545.87	204.69
For >1,000, Deduct	-77.29	
For 100 PSI, Deduct	-313.36	
33 42 11 00-0101 LF 108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,747.82	217.38
For >1,000, Deduct	-87.39	
For 100 PSI, Deduct	-359.32	
33 42 11 00-0102 LF 114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,116.88	230.05
For >1,000, Deduct	-105.84	
For 100 PSI, Deduct	-447.06	
33 42 11 00-0103 LF 120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,467.71	241.66
For >1,000, Deduct	-123.39	
For 100 PSI, Deduct	-530.62	
33 42 11 00-0104 LF 126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,691.52	253.26
For >1,000, Deduct	-134.58	
For 100 PSI, Deduct	-582.43	
33 42 11 00-0105 LF 132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,918.68	264.87
For >1,000, Deduct	-145.93	
For 100 PSI, Deduct	-635.08	
33 42 11 00-0106 LF 138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	3,144.17	276.47
For >1,000, Deduct	-157.21	
For 100 PSI, Deduct	-687.30	
33 42 11 00-0107 LF 144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	3,369.65	288.08
For >1,000, Deduct	-168.48	
For 100 PSI, Deduct	-739.53	
33 42 11 00-0108 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets (33		
<small>42 11 00-0081)</small>		
33 42 11 00-0109 EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	471.14	150.34
33 42 11 00-0110 EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	650.13	214.77
33 42 11 00-0111 EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	833.43	286.35
33 42 11 00-0112 EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,016.71	357.95
33 42 11 00-0113 EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,231.49	444.80
33 42 11 00-0114 EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,580.92	596.57
33 42 11 00-0115 EA 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,954.29	709.89
33 42 11 00-0116 EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,275.44	828.54
33 42 11 00-0117 EA 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,558.19	946.18
33 42 11 00-0118 EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,142.55	1,181.46
33 42 11 00-0119 EA 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,161.83	1,633.90
33 42 11 00-0120 EA 66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,635.50	1,808.97
33 42 11 00-0121 EA 72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,109.17	1,984.03
33 42 11 00-0122 EA 78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,202.70	2,275.80
33 42 11 00-0123 EA 84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,289.78	2,567.57
33 42 11 00-0124 EA 90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,651.56	2,917.69
33 42 11 00-0125 EA 96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	10,006.89	3,267.81
33 42 11 00-0126 EA 102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	13,344.18	4,115.39
33 42 11 00-0127 EA 108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	16,672.12	4,938.46
33 42 11 00-0128 EA 114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	21,626.83	6,584.61
33 42 11 00-0129 EA 120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	26,503.62	8,230.78
33 42 11 00-0130 EA 126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	30,008.61	8,877.47
33 42 11 00-0131 EA 132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	33,517.93	9,524.18
33 42 11 00-0132 EA 138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	44,282.09	10,170.89
33 42 11 00-0133 EA 144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	40,610.14	10,817.58
33 42 11 00-0134 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets (33		
<small>42 11 00-0081)</small>		
33 42 11 00-0135 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	437.04	150.34
33 42 11 00-0136 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	606.01	214.77
33 42 11 00-0137 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	781.28	286.35
33 42 11 00-0138 EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	956.55	357.95
33 42 11 00-0139 EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,163.30	444.80
33 42 11 00-0140 EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,487.33	556.49
33 42 11 00-0141 EA 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,847.33	709.89
33 42 11 00-0142 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,151.77	828.54
33 42 11 00-0143 EA 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,425.16	946.18
33 42 11 00-0144 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,956.19	1,181.46
33 42 11 00-0145 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,981.77	1,633.90
33 42 11 00-0146 EA 66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,442.39	1,808.97
33 42 11 00-0147 EA 72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,903.01	1,984.03
33 42 11 00-0148 EA 78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,721.48	2,275.80
33 42 11 00-0149 EA 84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,533.50	2,567.57
33 42 11 00-0150 EA 90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,697.15	2,917.69
33 42 11 00-0151 EA 96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,854.33	3,267.81
33 42 11 00-0152 EA 102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	11,585.14	4,084.77
33 42 11 00-0153 EA 108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	14,429.09	4,938.46
33 42 11 00-0154 EA 114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	18,838.07	6,584.61
33 42 11 00-0155 EA 120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	23,169.14	8,230.78
33 42 11 00-0156 EA 126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	25,939.95	8,877.47
33 42 11 00-0157 EA 132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	28,715.10	10,817.58
33 42 11 00-0158 EA 138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	31,502.08	10,170.89
33 42 11 00-0159 EA 144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	34,606.98	10,817.58

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0160 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0080)		
33 42 11 00-0161 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0160)		
Note: AWWA C301		
33 42 11 00-0162 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints .....283.61	283.61	44.63
For >1,000, Deduct	-14.18	
33 42 11 00-0163 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints .....346.75	346.75	50.71
For >1,000, Deduct	-17.34	
33 42 11 00-0164 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints .....405.24	405.24	55.78
For >1,000, Deduct	-20.26	
33 42 11 00-0165 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0160)		
Note: AWWA C301		
33 42 11 00-0166 LF 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints .....548.40	548.40	62.06
For >1,000, Deduct	-27.42	
33 42 11 00-0167 LF 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints .....658.17	658.17	81.69
For >1,000, Deduct	-32.91	
33 42 11 00-0168 LF 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints .....758.64	758.64	94.77
For >1,000, Deduct	-37.93	
33 42 11 00-0169 LF 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints .....854.45	854.45	105.03
For >1,000, Deduct	-42.72	
33 42 11 00-0170 LF 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints .....1,037.00	1,037.00	114.38
For >1,000, Deduct	-51.85	
33 42 11 00-0171 Welded Joints For Prestressed Concrete Cylinder Pipe (33 42 11 00-0160)		
Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0172 EA 30" Welded Joint For Prestressed Concrete Cylinder Pipe .....2,305.99	2,305.99	
33 42 11 00-0173 EA 36" Welded Joint For Prestressed Concrete Cylinder Pipe .....2,476.81	2,476.81	
33 42 11 00-0174 EA 42" Welded Joint For Prestressed Concrete Cylinder Pipe .....2,562.22	2,562.22	
33 42 11 00-0175 EA 48" Welded Joint For Prestressed Concrete Cylinder Pipe .....2,903.85	2,903.85	
33 42 11 00-0176 EA 54" Welded Joint For Prestressed Concrete Cylinder Pipe .....2,989.25	2,989.25	
33 42 11 00-0177 EA 60" Welded Joint For Prestressed Concrete Cylinder Pipe .....3,160.07	3,160.07	
33 42 11 00-0178 EA 66" Welded Joint For Prestressed Concrete Cylinder Pipe .....3,245.47	3,245.47	
33 42 11 00-0179 EA 72" Welded Joint For Prestressed Concrete Cylinder Pipe .....3,330.88	3,330.88	
33 42 11 00-0180 EA 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe .....4,270.36	4,270.36	
33 42 11 00-0181 EA 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe .....4,270.36	4,270.36	
33 42 11 00-0182 EA 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe .....4,868.21	4,868.21	
33 42 11 00-0183 EA 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe .....4,868.21	4,868.21	
33 42 11 00-0184 EA 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe .....5,209.84	5,209.84	
33 42 11 00-0185 EA 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe .....5,209.84	5,209.84	
33 42 11 00-0186 EA 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe .....5,636.88	5,636.88	
33 42 11 00-0187 EA 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe .....5,636.88	5,636.88	
33 42 11 00-0188 Quick Test Joints (33 42 11 00-0160)		
33 42 11 00-0189 EA 30" Quick Test Joint .....592.24	592.24	
33 42 11 00-0190 EA 36" Quick Test Joint .....597.31	597.31	
33 42 11 00-0191 EA 42" Quick Test Joint .....602.38	602.38	
33 42 11 00-0192 EA 48" Quick Test Joint .....614.50	614.50	
33 42 11 00-0193 EA 54" Quick Test Joint .....644.23	644.23	
33 42 11 00-0194 EA 60" Quick Test Joint .....667.63	667.63	
33 42 11 00-0195 EA 66" Quick Test Joint .....702.74	702.74	
33 42 11 00-0196 EA 72" Quick Test Joint .....737.86	737.86	
33 42 11 00-0197 Harnessed Joints (33 42 11 00-0160)		
33 42 11 00-0198 Harness Clamp Restrained Joints (33 42 11 00-0197)		
33 42 11 00-0199 EA 30" Harness Clamp Restrained Joint .....3,885.69	3,885.69	
33 42 11 00-0200 EA 36" Harness Clamp Restrained Joint .....4,037.09	4,037.09	
33 42 11 00-0201 EA 42" Harness Clamp Restrained Joint .....4,188.49	4,188.49	
33 42 11 00-0202 EA 48" Harness Clamp Restrained Joint .....4,339.89	4,339.89	
33 42 11 00-0203 EA 54" Harness Clamp Restrained Joint .....4,506.59	4,506.59	
33 42 11 00-0204 EA 60" Harness Clamp Restrained Joint .....4,737.75	4,737.75	
33 42 11 00-0205 EA 66" Harness Clamp Restrained Joint .....4,895.75	4,895.75	
33 42 11 00-0206 EA 72" Harness Clamp Restrained Joint .....5,243.98	5,243.98	
33 42 11 00-0207 Snap Ring Restrained Joints (33 42 11 00-0197)		
33 42 11 00-0208 EA 30" Snap Ring Restrained Joint .....666.45	666.45	
33 42 11 00-0209 EA 36" Snap Ring Restrained Joint .....759.31	759.31	
33 42 11 00-0210 EA 42" Snap Ring Restrained Joint .....1,013.14	1,013.14	
33 42 11 00-0211 EA 48" Snap Ring Restrained Joint .....1,149.91	1,149.91	
33 42 11 00-0212 EA 54" Snap Ring Restrained Joint .....1,301.98	1,301.98	
33 42 11 00-0213 EA 60" Snap Ring Restrained Joint .....1,474.61	1,474.61	
33 42 11 00-0214 EA 66" Snap Ring Restrained Joint .....1,632.61	1,632.61	



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0215	EA		72" Snap Ring Restrained Joint.....	1,819.87	
33 42 11 00-0216			Pipe Repairs (33 42 11 00-0160) Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
33 42 11 00-0217			Lined Cylinder Pipe Repair (33 42 11 00-0216)		
33 42 11 00-0218	EA		30" Lined Cylinder Pipe Repair.....	7,142.76	
33 42 11 00-0219	EA		36" Lined Cylinder Pipe Repair.....	8,866.22	
33 42 11 00-0220	EA		42" Lined Cylinder Pipe Repair.....	10,747.12	
33 42 11 00-0221			Embedded Cylinder Pipe Repair (33 42 11 00-0216) Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0222	EA		48" Embedded Cylinder Pipe Repair.....	16,253.79	
33 42 11 00-0223	EA		54" Embedded Cylinder Pipe Repair.....	18,910.42	
33 42 11 00-0224	EA		60" Embedded Cylinder Pipe Repair.....	21,583.88	
33 42 11 00-0225	EA		66" Embedded Cylinder Pipe Repair.....	24,389.68	
33 42 11 00-0226	EA		72" Embedded Cylinder Pipe Repair.....	29,448.68	
33 42 11 00-0227			High Density Polyethylene (HDPE) Drainage Piping (33 42 11)		
33 42 11 00-0228			Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0227) Note: Excludes couplings and gaskets.		
33 42 11 00-0229			Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0228)		
33 42 11 00-0230	LF		4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	14.90	6.71
			For <100, Add	2.68	
			For >1,000, Deduct	-1.42	
33 42 11 00-0231	LF		6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.37	7.80
			For <100, Add	3.12	
			For >1,000, Deduct	-1.75	
33 42 11 00-0232	LF		8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	23.78	9.07
			For <100, Add	3.63	
			For >1,000, Deduct	-2.10	
33 42 11 00-0233	LF		10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.92	9.39
			For <100, Add	3.76	
			For >1,000, Deduct	-2.29	
33 42 11 00-0234	LF		12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	28.28	9.72
			For <100, Add	3.89	
			For >1,000, Deduct	-2.39	
33 42 11 00-0235	LF		15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.98	10.07
			For <100, Add	4.03	
			For >1,000, Deduct	-2.61	
33 42 11 00-0236	LF		18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	38.54	10.44
			For <100, Add	4.17	
			For >1,000, Deduct	-2.97	
33 42 11 00-0237	LF		24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	52.59	12.22
			For <100, Add	4.89	
			For >1,000, Deduct	-3.85	
33 42 11 00-0238	LF		30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	74.48	16.46
			For <100, Add	6.58	
			For >1,000, Deduct	-5.37	
33 42 11 00-0239	LF		36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	97.78	20.80
			For <100, Add	8.32	
			For >1,000, Deduct	-6.97	
33 42 11 00-0240			Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0228)		
33 42 11 00-0241	LF		12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	28.13	9.72
			For <100, Add	3.89	
			For >1,000, Deduct	-2.38	
33 42 11 00-0242	LF		15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	32.60	10.07
			For <100, Add	4.03	
			For >1,000, Deduct	-2.64	
33 42 11 00-0243	LF		18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	39.47	10.44
			For <100, Add	4.17	
			For >1,000, Deduct	-3.02	
33 42 11 00-0244	LF		24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	54.07	12.22
			For <100, Add	4.89	
			For >1,000, Deduct	-3.93	
33 42 11 00-0245	LF		30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	78.53	16.46
			For <100, Add	6.58	
			For >1,000, Deduct	-5.57	
33 42 11 00-0246	LF		36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	100.80	20.80
			For <100, Add	8.32	
			For >1,000, Deduct	-7.12	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0247 LF 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	130.85	22.68
For <100, Add	9.08	
For >1,000, Deduct	-8.81	
33 42 11 00-0248 LF 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	142.79	25.59
For <100, Add	10.24	
For >1,000, Deduct	-9.70	
33 42 11 00-0249 Perforated, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0227)</small>		
Note: Excludes couplings and gaskets.		
33 42 11 00-0250 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0249)</small>		
33 42 11 00-0251 LF 4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.68	6.71
For <100, Add	2.68	
For >1,000, Deduct	-1.46	
33 42 11 00-0252 LF 6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.39	7.80
For <100, Add	3.12	
For >1,000, Deduct	-1.75	
33 42 11 00-0253 LF 8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	23.78	9.07
For <100, Add	3.63	
For >1,000, Deduct	-2.10	
33 42 11 00-0254 LF 10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.95	9.39
For <100, Add	3.76	
For >1,000, Deduct	-2.29	
33 42 11 00-0255 LF 12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	28.28	9.72
For <100, Add	3.89	
For >1,000, Deduct	-2.39	
33 42 11 00-0256 LF 15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	32.00	10.07
For <100, Add	4.03	
For >1,000, Deduct	-2.61	
33 42 11 00-0257 LF 18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	38.56	10.44
For <100, Add	4.17	
For >1,000, Deduct	-2.97	
33 42 11 00-0258 LF 24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	52.59	12.22
For <100, Add	4.89	
For >1,000, Deduct	-3.85	
33 42 11 00-0259 LF 30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	74.74	16.46
For <100, Add	6.58	
For >1,000, Deduct	-5.38	
33 42 11 00-0260 LF 36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	97.78	20.80
For <100, Add	8.32	
For >1,000, Deduct	-6.97	
33 42 11 00-0261 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0249)</small>		
33 42 11 00-0262 LF 12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	28.15	9.72
For <100, Add	3.89	
For >1,000, Deduct	-2.38	
33 42 11 00-0263 LF 15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	32.63	10.07
For <100, Add	4.03	
For >1,000, Deduct	-2.64	
33 42 11 00-0264 LF 18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	39.50	10.44
For <100, Add	4.17	
For >1,000, Deduct	-3.02	
33 42 11 00-0265 LF 24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	54.07	12.22
For <100, Add	4.89	
For >1,000, Deduct	-3.93	
33 42 11 00-0266 LF 30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	78.53	16.46
For <100, Add	6.58	
For >1,000, Deduct	-5.57	
33 42 11 00-0267 LF 36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	100.80	20.80
For <100, Add	8.32	
For >1,000, Deduct	-7.12	
33 42 11 00-0268 LF 42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	130.85	22.68
For <100, Add	9.08	
For >1,000, Deduct	-8.81	
33 42 11 00-0269 LF 48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	142.79	25.59
For <100, Add	10.24	
For >1,000, Deduct	-9.70	
33 42 11 00-0270 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 42 11 00-0227)</small>		
Note: Excludes couplings and gaskets.		



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

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

33 42 11 00-0271	Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0270)</small>		
33 42 11 00-0272	EA 4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	73.10	26.13
33 42 11 00-0273	EA 6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	92.16	30.49
33 42 11 00-0274	EA 8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	150.46	37.02
33 42 11 00-0275	EA 10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	230.95	45.74
33 42 11 00-0276	EA 12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	366.80	54.45
33 42 11 00-0277	EA 15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	518.47	71.15
33 42 11 00-0278	EA 18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	746.50	95.82
33 42 11 00-0279	EA 24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	958.62	109.38
33 42 11 00-0280	EA 30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,683.62	126.32
33 42 11 00-0281	EA 36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,164.52	145.91
33 42 11 00-0282	EA 42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	3,612.69	174.22
33 42 11 00-0283	EA 48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	4,536.13	206.90

33 42 11 00-0284	Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0270)</small>		
33 42 11 00-0285	EA 4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	108.77	26.13
33 42 11 00-0286	EA 6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	131.30	30.49
33 42 11 00-0287	EA 8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	175.17	37.02
33 42 11 00-0288	EA 10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	258.19	45.74
33 42 11 00-0289	EA 12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	454.45	54.45
33 42 11 00-0290	EA 15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	491.59	71.15
33 42 11 00-0291	EA 18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	694.20	95.82

33 42 11 00-0292	22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0270)</small>		
33 42 11 00-0293	EA 4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	44.25	17.43
33 42 11 00-0294	EA 6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	54.77	20.33
33 42 11 00-0295	EA 8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	80.52	24.69
33 42 11 00-0296	EA 10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	101.41	30.49
33 42 11 00-0297	EA 12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	148.14	36.30
33 42 11 00-0298	EA 15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	235.42	46.46
33 42 11 00-0299	EA 18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	311.72	63.89
33 42 11 00-0300	EA 24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	597.72	72.59
33 42 11 00-0301	EA 30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	832.62	84.21
33 42 11 00-0302	EA 36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	975.90	97.28
33 42 11 00-0303	EA 42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,248.20	116.15
33 42 11 00-0304	EA 48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,689.81	137.92

33 42 11 00-0305	45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0270)</small>		
33 42 11 00-0306	EA 4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	48.16	17.43
33 42 11 00-0307	EA 6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	62.90	20.33
33 42 11 00-0308	EA 8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	84.67	24.69
33 42 11 00-0309	EA 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	135.18	30.49
33 42 11 00-0310	EA 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	148.14	36.30
33 42 11 00-0311	EA 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	234.75	46.46
33 42 11 00-0312	EA 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	366.17	63.89
33 42 11 00-0313	EA 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	639.79	72.59
33 42 11 00-0314	EA 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	834.62	84.21
33 42 11 00-0315	EA 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,066.57	97.28
33 42 11 00-0316	EA 42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,598.16	116.15
33 42 11 00-0317	EA 48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,003.47	137.92

33 42 11 00-0318	Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 42 11 00-0227)</small>		
	Note: For single and double wall high density polyethylene (HDPE) piping.		

33 42 11 00-0319	Couplings, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0318)</small>		
33 42 11 00-0320	EA 4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.33	
33 42 11 00-0321	EA 6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	4.18	
33 42 11 00-0322	EA 8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	6.43	
33 42 11 00-0323	EA 10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.90	
33 42 11 00-0324	EA 12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	8.50	
33 42 11 00-0325	EA 15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	12.11	
33 42 11 00-0326	EA 18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	17.91	
33 42 11 00-0327	EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	28.51	
33 42 11 00-0328	EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	43.77	
33 42 11 00-0329	EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	57.28	
33 42 11 00-0330	EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	90.05	
33 42 11 00-0331	EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	121.79	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 11 00-0332		Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0318)</small>	
33 42 11 00-0333	EA	4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	123.31
33 42 11 00-0334	EA	6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	129.12
33 42 11 00-0335	EA	8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	135.20
33 42 11 00-0336	EA	10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	141.55
33 42 11 00-0337	EA	12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	167.89
33 42 11 00-0338	EA	15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	173.34
33 42 11 00-0339	EA	18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	180.79
33 42 11 00-0340	EA	24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	205.93
33 42 11 00-0341	EA	30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	330.12
33 42 11 00-0342	EA	36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	361.59
33 42 11 00-0343	EA	42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	393.98
33 42 11 00-0344	EA	48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe	478.50
33 42 11 00-0345		End Caps, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0318)</small>	
33 42 11 00-0346	EA	6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	32.62
33 42 11 00-0347	EA	8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	38.27
33 42 11 00-0348	EA	10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	61.77
33 42 11 00-0349	EA	12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	104.81
33 42 11 00-0350	EA	15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	121.92
33 42 11 00-0351	EA	18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	164.66
33 42 11 00-0352	EA	24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	170.70
33 42 11 00-0353		Vitrified Clay Piping <small>(33 42 11)</small>	
33 42 11 00-0354		Extra Strength Vitrified Clay Piping <small>(33 42 11 00-0353)</small>	
33 42 11 00-0355		Plain Joint, Extra Strength, Vitrified Clay Piping <small>(33 42 11 00-0354)</small>	
		Note: ASTM C700.	
33 42 11 00-0356	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	21.50
		For 3' Lengths, Add	1.68
		For 2' Lengths, Add	2.24
		For Standard Strength, Deduct	-0.56
		For >1,000, Deduct	-1.08
33 42 11 00-0357	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	35.79
		For 3' Lengths, Add	2.60
		For 2' Lengths, Add	3.47
		For Standard Strength, Deduct	-0.87
		For >1,000, Deduct	-1.79
33 42 11 00-0358	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	42.52
		For 3' Lengths, Add	3.72
		For 2' Lengths, Add	4.96
		For Standard Strength, Deduct	-1.24
		For >1,000, Deduct	-2.13
33 42 11 00-0359	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	50.81
		For 3' Lengths, Add	5.70
		For 2' Lengths, Add	7.60
		For Standard Strength, Deduct	-1.90
		For >1,000, Deduct	-2.54
33 42 11 00-0360	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	61.52
		For 3' Lengths, Add	8.04
		For 2' Lengths, Add	10.72
		For Standard Strength, Deduct	-2.68
		For >1,000, Deduct	-3.08
33 42 11 00-0361	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	88.90
		For 3' Lengths, Add	15.08
		For 2' Lengths, Add	20.11
		For Standard Strength, Deduct	-5.03
		For >1,000, Deduct	-4.45
33 42 11 00-0362	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	120.23
		For 3' Lengths, Add	21.62
		For 2' Lengths, Add	28.82
		For Standard Strength, Deduct	-7.21
		For >1,000, Deduct	-6.01
33 42 11 00-0363	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	176.19
		For 3' Lengths, Add	34.63
		For 2' Lengths, Add	46.18
		For Standard Strength, Deduct	-11.54
		For >1,000, Deduct	-8.81
33 42 11 00-0364	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	224.57
		For 3' Lengths, Add	45.24
		For 2' Lengths, Add	60.32
		For Standard Strength, Deduct	-15.08
		For >1,000, Deduct	-11.23
33 42 11 00-0365	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	277.63
		For 3' Lengths, Add	56.42
		For 2' Lengths, Add	75.22
		For Standard Strength, Deduct	-18.81
		For >1,000, Deduct	-13.88



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0366	LF		36" Plain Joint, Extra Strength, Vitrified Clay Pipe	335.92	
			<i>For 3' Lengths, Add</i>	68.15	
			<i>For 2' Lengths, Add</i>	90.86	
			<i>For Standard Strength, Deduct</i>	-22.72	
			<i>For >1,000, Deduct</i>	-16.80	
33 42 11 00-0367			Compression Joint, Extra Strength, Vitrified Clay Piping <small>(33 42 11 00-0354)</small>		
			Note: ASTM C425.		
33 42 11 00-0368	LF		4" Compression Joint, Extra Strength, Vitrified Clay Pipe	30.69	
			<i>For 3' Lengths, Add</i>	1.98	
			<i>For 2' Lengths, Add</i>	2.64	
			<i>For Standard Strength, Deduct</i>	-0.66	
			<i>For >1,000, Deduct</i>	-1.53	
33 42 11 00-0369	LF		6" Compression Joint, Extra Strength, Vitrified Clay Pipe	37.87	
			<i>For 3' Lengths, Add</i>	3.23	
			<i>For 2' Lengths, Add</i>	4.30	
			<i>For Standard Strength, Deduct</i>	-1.08	
			<i>For >1,000, Deduct</i>	-1.89	
33 42 11 00-0370	LF		8" Compression Joint, Extra Strength, Vitrified Clay Pipe	45.31	
			<i>For 3' Lengths, Add</i>	4.56	
			<i>For 2' Lengths, Add</i>	6.08	
			<i>For Standard Strength, Deduct</i>	-1.52	
			<i>For >1,000, Deduct</i>	-2.27	
33 42 11 00-0371	LF		10" Compression Joint, Extra Strength, Vitrified Clay Pipe	56.77	
			<i>For 3' Lengths, Add</i>	7.49	
			<i>For 2' Lengths, Add</i>	9.98	
			<i>For Standard Strength, Deduct</i>	-2.50	
			<i>For >1,000, Deduct</i>	-2.84	
33 42 11 00-0372	LF		12" Compression Joint, Extra Strength, Vitrified Clay Pipe	67.48	
			<i>For 3' Lengths, Add</i>	9.83	
			<i>For 2' Lengths, Add</i>	13.11	
			<i>For Standard Strength, Deduct</i>	-3.28	
			<i>For >1,000, Deduct</i>	-3.37	
33 42 11 00-0373	LF		15" Compression Joint, Extra Strength, Vitrified Clay Pipe	98.40	
			<i>For 3' Lengths, Add</i>	17.93	
			<i>For 2' Lengths, Add</i>	23.91	
			<i>For Standard Strength, Deduct</i>	-5.98	
			<i>For >1,000, Deduct</i>	-4.92	
33 42 11 00-0374	LF		18" Compression Joint, Extra Strength, Vitrified Clay Pipe	135.68	
			<i>For 3' Lengths, Add</i>	26.25	
			<i>For 2' Lengths, Add</i>	35.00	
			<i>For Standard Strength, Deduct</i>	-8.75	
			<i>For >1,000, Deduct</i>	-6.78	
33 42 11 00-0375	LF		21" Compression Joint, Extra Strength, Vitrified Clay Pipe	193.88	
			<i>For 3' Lengths, Add</i>	39.94	
			<i>For 2' Lengths, Add</i>	53.25	
			<i>For Standard Strength, Deduct</i>	-13.31	
			<i>For >1,000, Deduct</i>	-9.69	
33 42 11 00-0376	LF		24" Compression Joint, Extra Strength, Vitrified Clay Pipe	252.50	
			<i>For 3' Lengths, Add</i>	53.62	
			<i>For 2' Lengths, Add</i>	71.50	
			<i>For Standard Strength, Deduct</i>	-17.87	
			<i>For >1,000, Deduct</i>	-12.63	
33 42 11 00-0377	LF		30" Compression Joint, Extra Strength, Vitrified Clay Pipe	400.52	
			<i>For 3' Lengths, Add</i>	93.28	
			<i>For 2' Lengths, Add</i>	124.38	
			<i>For Standard Strength, Deduct</i>	-31.09	
			<i>For >1,000, Deduct</i>	-20.03	
33 42 11 00-0378	LF		36" Compression Joint, Extra Strength, Vitrified Clay Pipe	566.80	
			<i>For 3' Lengths, Add</i>	137.41	
			<i>For 2' Lengths, Add</i>	183.21	
			<i>For Standard Strength, Deduct</i>	-45.80	
			<i>For >1,000, Deduct</i>	-28.34	
33 42 11 00-0379			Extra Strength, Vitrified Clay Pipe Fittings <small>(33 42 11 00-0353)</small>		
33 42 11 00-0380			1/8 Bends, Extra Strength, Vitrified Clay <small>(33 42 11 00-0379)</small>		
33 42 11 00-0381			Plain End 1/8 Bend, Extra Strength, Vitrified Clay <small>(33 42 11 00-0380)</small>		
33 42 11 00-0382	EA		4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	87.59	
33 42 11 00-0383	EA		6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	117.42	
33 42 11 00-0384	EA		8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	165.94	
33 42 11 00-0385	EA		10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	226.62	
33 42 11 00-0386	EA		12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	297.45	
33 42 11 00-0387	EA		15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	695.93	
33 42 11 00-0388	EA		18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	979.51	
33 42 11 00-0389	EA		21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,523.59	
33 42 11 00-0390	EA		24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,759.65	
33 42 11 00-0391	EA		30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,045.43	
33 42 11 00-0392	EA		36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	3,056.88	
33 42 11 00-0393			Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay <small>(33 42 11 00-0380)</small>		

33	Utilities
33 40	Stormwater Utilities
33 42	Stormwater Conveyance



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0394 EA 4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	99.43	
33 42 11 00-0395 EA 6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	139.83	
33 42 11 00-0396 EA 8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	187.83	
33 42 11 00-0397 EA 10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	250.29	
33 42 11 00-0398 EA 12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	315.97	
33 42 11 00-0399 EA 15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	781.69	
33 42 11 00-0400 EA 18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,134.04	
33 42 11 00-0401 EA 21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,170.28	
33 42 11 00-0402 EA 24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,251.50	
33 42 11 00-0403 EA 30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,511.35	
33 42 11 00-0404 EA 36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	3,715.97	
33 42 11 00-0405 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0379)		
33 42 11 00-0406 Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0405)		
33 42 11 00-0407 EA 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	103.49	
33 42 11 00-0408 EA 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	136.57	
33 42 11 00-0409 EA 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	188.35	
33 42 11 00-0410 EA 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	251.27	
33 42 11 00-0411 EA 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	325.22	
33 42 11 00-0412 EA 15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	726.83	
33 42 11 00-0413 EA 18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,018.05	
33 42 11 00-0414 EA 21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,572.19	
33 42 11 00-0415 EA 24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,818.66	
33 42 11 00-0416 EA 30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,119.03	
33 42 11 00-0417 EA 36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	3,138.69	
33 42 11 00-0418 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0405)		
33 42 11 00-0419 EA 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	118.52	
33 42 11 00-0420 EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	162.82	
33 42 11 00-0421 EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	214.73	
33 42 11 00-0422 EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	279.87	
33 42 11 00-0423 EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	349.30	
33 42 11 00-0424 EA 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	818.77	
33 42 11 00-0425 EA 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,180.28	
33 42 11 00-0426 EA 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,272.32	
33 42 11 00-0427 EA 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,322.31	
33 42 11 00-0428 EA 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,599.66	
33 42 11 00-0429 EA 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	3,814.14	
33 42 11 00-0430 Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0379)		
33 42 11 00-0431 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0430)		
33 42 11 00-0432 EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	114.97	
33 42 11 00-0433 EA 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	149.04	
33 42 11 00-0434 EA 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	200.20	
33 42 11 00-0435 EA 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	262.77	
33 42 11 00-0436 EA 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	329.80	
33 42 11 00-0437 EA 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	738.32	
33 42 11 00-0438 EA 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,029.87	
33 42 11 00-0439 EA 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,483.01	
33 42 11 00-0440 EA 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,057.63	
33 42 11 00-0441 EA 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,185.61	
33 42 11 00-0442 EA 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	3,126.34	
33 42 11 00-0443 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0430)		
33 42 11 00-0444 EA 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	140.24	
33 42 11 00-0445 EA 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	190.24	
33 42 11 00-0446 EA 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	248.31	
33 42 11 00-0447 EA 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	319.55	
33 42 11 00-0448 EA 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	396.12	
33 42 11 00-0449 EA 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	897.74	
33 42 11 00-0450 EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,288.73	
33 42 11 00-0451 EA 21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,905.97	
33 42 11 00-0452 EA 24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,520.57	
33 42 11 00-0453 EA 30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,920.18	
33 42 11 00-0454 EA 36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	4,126.15	
33 42 11 00-0455 Corrugated Metal Piping (33 42 11)		
33 42 11 00-0456 Galvanized Corrugated Steel Piping (33 42 11 00-0455)		
33 42 11 00-0457 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0456)		
33 42 11 00-0458 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0457)		



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0459	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	34.71 3.36 6.87 12.27	10.02
33 42 11 00-0460	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	39.03 4.23 8.65 15.44	10.50
33 42 11 00-0461	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	43.52 5.12 10.48 18.71	11.45
33 42 11 00-0462	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	49.43 6.13 12.53 22.38	12.41
33 42 11 00-0463	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	54.68 6.90 14.11 25.19	13.36
33 42 11 00-0464	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	72.22 8.95 18.30 32.68	17.18
33 42 11 00-0465	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	93.95 11.28 23.08 41.22	22.31
33 42 11 00-0466	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	106.80 13.35 27.31 48.78	26.37
33 42 11 00-0467	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	120.06 14.96 30.60 54.64	30.42
33 42 11 00-0468		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾ <small>^{42 11 00-0457)}</small>		
33 42 11 00-0469	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	37.71 3.41 7.90 15.97	10.02
33 42 11 00-0470	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	42.73 4.28 9.91 20.03	10.50
33 42 11 00-0471	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	47.99 5.18 12.00 24.26	11.45
33 42 11 00-0472	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	54.59 6.16 14.26 28.83	12.41
33 42 11 00-0473	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	60.68 6.97 16.15 32.64	13.36
33 42 11 00-0474	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	79.55 8.95 20.73 41.91	17.18
33 42 11 00-0475	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	102.85 11.22 25.99 52.53	22.31
33 42 11 00-0476	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	116.98 13.20 30.59 61.83	26.37
33 42 11 00-0477	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	131.71 14.84 34.38 69.49	30.42
33 42 11 00-0478	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	157.15 18.25 42.28 85.46	34.48
33 42 11 00-0479		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾ <small>^{42 11 00-0457)}</small>		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0480 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	57.23	11.45
For Bituminous Coated Pipe, Add	5.93	
For Bituminous Coated And 25% Paved, Add	10.71	
For Smooth-Flo, Add	20.58	
33 42 11 00-0481 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	65.34	12.41
For Bituminous Coated Pipe, Add	7.01	
For Bituminous Coated And 25% Paved, Add	12.66	
For Smooth-Flo, Add	24.33	
33 42 11 00-0482 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	72.92	12.41
For Bituminous Coated Pipe, Add	7.95	
For Bituminous Coated And 25% Paved, Add	14.35	
For Smooth-Flo, Add	27.58	
33 42 11 00-0483 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	94.68	17.18
For Bituminous Coated Pipe, Add	10.10	
For Bituminous Coated And 25% Paved, Add	18.25	
For Smooth-Flo, Add	35.06	
33 42 11 00-0484 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	120.81	22.31
For Bituminous Coated Pipe, Add	12.49	
For Bituminous Coated And 25% Paved, Add	22.56	
For Smooth-Flo, Add	43.36	
33 42 11 00-0485 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	137.74	26.37
For Bituminous Coated Pipe, Add	14.64	
For Bituminous Coated And 25% Paved, Add	26.44	
For Smooth-Flo, Add	50.81	
33 42 11 00-0486 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	155.49	30.42
For Bituminous Coated Pipe, Add	16.53	
For Bituminous Coated And 25% Paved, Add	29.85	
For Smooth-Flo, Add	57.37	
33 42 11 00-0487 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	183.41	34.48
For Bituminous Coated Pipe, Add	19.82	
For Bituminous Coated And 25% Paved, Add	35.80	
For Smooth-Flo, Add	68.79	
33 42 11 00-0488 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	200.50	36.51
For Bituminous Coated Pipe, Add	21.71	
For Bituminous Coated And 25% Paved, Add	39.20	
For Smooth-Flo, Add	75.34	
33 42 11 00-0489 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	242.83	44.63
For Bituminous Coated Pipe, Add	26.43	
For Bituminous Coated And 25% Paved, Add	47.73	
For Smooth-Flo, Add	91.72	
33 42 11 00-0490 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
33 42 11 00-0491 LF ^{42 11 00-0457} 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	137.62	22.31
For Bituminous Coated Pipe, Add	15.89	
For Bituminous Coated And 25% Paved, Add	26.55	
For Smooth-Flo, Add	37.88	
33 42 11 00-0492 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	157.41	26.37
For Bituminous Coated Pipe, Add	18.62	
For Bituminous Coated And 25% Paved, Add	31.10	
For Smooth-Flo, Add	44.38	
33 42 11 00-0493 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	177.82	30.42
For Bituminous Coated Pipe, Add	21.04	
For Bituminous Coated And 25% Paved, Add	35.15	
For Smooth-Flo, Add	50.16	
33 42 11 00-0494 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	208.42	34.48
For Bituminous Coated Pipe, Add	24.92	
For Bituminous Coated And 25% Paved, Add	41.63	
For Smooth-Flo, Add	59.41	
33 42 11 00-0495 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	228.34	36.51
For Bituminous Coated Pipe, Add	27.37	
For Bituminous Coated And 25% Paved, Add	45.73	
For Smooth-Flo, Add	65.24	
33 42 11 00-0496 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	273.41	44.63
For Bituminous Coated Pipe, Add	32.74	
For Bituminous Coated And 25% Paved, Add	54.70	
For Smooth-Flo, Add	78.04	
33 42 11 00-0497 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	328.82	64.90
For Bituminous Coated Pipe, Add	35.16	
For Bituminous Coated And 25% Paved, Add	58.73	
For Smooth-Flo, Add	83.80	
33 42 11 00-0498 3" x 1" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0456)		
33 42 11 00-0499 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0498)		
33 42 11 00-0500 LF 36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	109.37	22.31
For Bituminous Coated Pipe, Add	12.41	
For Bituminous Coated And 25% Paved, Add	28.17	
For Smooth-Flo, Add	56.09	
33 42 11 00-0501 LF 42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	124.48	26.37
For Bituminous Coated Pipe, Add	14.57	
For Bituminous Coated And 25% Paved, Add	33.08	
For Smooth-Flo, Add	65.87	



	Utilities	33	CS
	Stormwater Utilities	33 40	
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0502	LF		48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	139.97	30.42
			<i>For Bituminous Coated Pipe, Add</i>	16.34	
			<i>For Bituminous Coated And 25% Paved, Add</i>	37.10	
			<i>For Smooth-Flo, Add</i>	73.87	
33 42 11 00-0503	LF		54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	166.63	34.48
			<i>For Bituminous Coated Pipe, Add</i>	19.96	
			<i>For Bituminous Coated And 25% Paved, Add</i>	45.32	
			<i>For Smooth-Flo, Add</i>	90.24	
33 42 11 00-0504	LF		60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	181.56	36.51
			<i>For Bituminous Coated Pipe, Add</i>	21.75	
			<i>For Bituminous Coated And 25% Paved, Add</i>	49.37	
			<i>For Smooth-Flo, Add</i>	98.31	
33 42 11 00-0505	LF		66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	227.06	44.63
			<i>For Bituminous Coated Pipe, Add</i>	27.94	
			<i>For Bituminous Coated And 25% Paved, Add</i>	63.42	
			<i>For Smooth-Flo, Add</i>	126.28	
33 42 11 00-0506	LF		72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	277.97	64.90
			<i>For Bituminous Coated Pipe, Add</i>	29.78	
			<i>For Bituminous Coated And 25% Paved, Add</i>	67.60	
			<i>For Smooth-Flo, Add</i>	134.61	
33 42 11 00-0507	LF		78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	300.12	70.99
			<i>For Bituminous Coated Pipe, Add</i>	31.63	
			<i>For Bituminous Coated And 25% Paved, Add</i>	71.80	
			<i>For Smooth-Flo, Add</i>	142.96	
33 42 11 00-0508	LF		84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	319.50	76.06
			<i>For Bituminous Coated Pipe, Add</i>	33.48	
			<i>For Bituminous Coated And 25% Paved, Add</i>	75.99	
			<i>For Smooth-Flo, Add</i>	151.31	
33 42 11 00-0509	LF		90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	338.92	81.13
			<i>For Bituminous Coated Pipe, Add</i>	35.33	
			<i>For Bituminous Coated And 25% Paved, Add</i>	80.20	
			<i>For Smooth-Flo, Add</i>	159.70	
33 42 11 00-0510	LF		96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	359.02	86.20
			<i>For Bituminous Coated Pipe, Add</i>	37.17	
			<i>For Bituminous Coated And 25% Paved, Add</i>	84.38	
			<i>For Smooth-Flo, Add</i>	168.03	
33 42 11 00-0511	LF		102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	381.99	91.27
			<i>For Bituminous Coated Pipe, Add</i>	39.04	
			<i>For Bituminous Coated And 25% Paved, Add</i>	88.61	
			<i>For Smooth-Flo, Add</i>	176.44	
33 42 11 00-0512			14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0498)</small>		
33 42 11 00-0513	LF		54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	182.36	34.48
			<i>For Bituminous Coated Pipe, Add</i>	23.11	
			<i>For Bituminous Coated And 25% Paved, Add</i>	45.30	
			<i>For Smooth-Flo, Add</i>	91.52	
33 42 11 00-0514	LF		60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	198.97	36.51
			<i>For Bituminous Coated Pipe, Add</i>	25.23	
			<i>For Bituminous Coated And 25% Paved, Add</i>	49.45	
			<i>For Smooth-Flo, Add</i>	99.92	
33 42 11 00-0515	LF		66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	246.21	44.63
			<i>For Bituminous Coated Pipe, Add</i>	31.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	62.27	
			<i>For Smooth-Flo, Add</i>	125.80	
33 42 11 00-0516	LF		72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	298.83	64.90
			<i>For Bituminous Coated Pipe, Add</i>	33.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	66.55	
			<i>For Smooth-Flo, Add</i>	134.45	
33 42 11 00-0517	LF		78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	322.65	70.99
			<i>For Bituminous Coated Pipe, Add</i>	36.13	
			<i>For Bituminous Coated And 25% Paved, Add</i>	70.82	
			<i>For Smooth-Flo, Add</i>	143.09	
33 42 11 00-0518	LF		84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	343.82	76.06
			<i>For Bituminous Coated Pipe, Add</i>	38.34	
			<i>For Bituminous Coated And 25% Paved, Add</i>	75.15	
			<i>For Smooth-Flo, Add</i>	151.83	
33 42 11 00-0519	LF		90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	364.87	81.13
			<i>For Bituminous Coated Pipe, Add</i>	40.52	
			<i>For Bituminous Coated And 25% Paved, Add</i>	79.42	
			<i>For Smooth-Flo, Add</i>	160.47	
33 42 11 00-0520	LF		96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	386.68	86.20
			<i>For Bituminous Coated Pipe, Add</i>	42.71	
			<i>For Bituminous Coated And 25% Paved, Add</i>	83.70	
			<i>For Smooth-Flo, Add</i>	169.12	
33 42 11 00-0521	LF		102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	411.33	91.27
			<i>For Bituminous Coated Pipe, Add</i>	44.90	
			<i>For Bituminous Coated And 25% Paved, Add</i>	88.01	
			<i>For Smooth-Flo, Add</i>	177.82	
33 42 11 00-0522	LF		108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	438.32	101.42
			<i>For Bituminous Coated Pipe, Add</i>	47.10	
			<i>For Bituminous Coated And 25% Paved, Add</i>	92.32	
			<i>For Smooth-Flo, Add</i>	186.52	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0523	LF		114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	464.71	111.55
			<i>For Bituminous Coated Pipe, Add</i>	49.26	
			<i>For Bituminous Coated And 25% Paved, Add</i>	96.54	
			<i>For Smooth-Flo, Add</i>	195.05	
33 42 11 00-0524			12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0498)</small>		
33 42 11 00-0525	LF		60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	237.58	36.51
			<i>For Bituminous Coated Pipe, Add</i>	32.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	62.78	
			<i>For Smooth-Flo, Add</i>	102.32	
33 42 11 00-0526	LF		66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	288.97	44.63
			<i>For Bituminous Coated Pipe, Add</i>	40.32	
			<i>For Bituminous Coated And 25% Paved, Add</i>	76.81	
			<i>For Smooth-Flo, Add</i>	125.19	
33 42 11 00-0527	LF		72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	345.32	64.90
			<i>For Bituminous Coated Pipe, Add</i>	43.25	
			<i>For Bituminous Coated And 25% Paved, Add</i>	82.39	
			<i>For Smooth-Flo, Add</i>	134.29	
33 42 11 00-0528	LF		78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	372.91	70.99
			<i>For Bituminous Coated Pipe, Add</i>	46.19	
			<i>For Bituminous Coated And 25% Paved, Add</i>	87.98	
			<i>For Smooth-Flo, Add</i>	143.41	
33 42 11 00-0529	LF		84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	397.81	76.06
			<i>For Bituminous Coated Pipe, Add</i>	49.14	
			<i>For Bituminous Coated And 25% Paved, Add</i>	93.61	
			<i>For Smooth-Flo, Add</i>	152.57	
33 42 11 00-0530	LF		90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	422.63	81.13
			<i>For Bituminous Coated Pipe, Add</i>	52.07	
			<i>For Bituminous Coated And 25% Paved, Add</i>	99.20	
			<i>For Smooth-Flo, Add</i>	161.69	
33 42 11 00-0531	LF		96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	448.24	86.20
			<i>For Bituminous Coated Pipe, Add</i>	55.02	
			<i>For Bituminous Coated And 25% Paved, Add</i>	104.81	
			<i>For Smooth-Flo, Add</i>	170.83	
33 42 11 00-0532	LF		102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	476.65	91.27
			<i>For Bituminous Coated Pipe, Add</i>	57.97	
			<i>For Bituminous Coated And 25% Paved, Add</i>	110.43	
			<i>For Smooth-Flo, Add</i>	179.99	
33 42 11 00-0533	LF		108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	507.35	101.42
			<i>For Bituminous Coated Pipe, Add</i>	60.91	
			<i>For Bituminous Coated And 25% Paved, Add</i>	116.03	
			<i>For Smooth-Flo, Add</i>	189.11	
33 42 11 00-0534	LF		114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	537.54	111.55
			<i>For Bituminous Coated Pipe, Add</i>	63.82	
			<i>For Bituminous Coated And 25% Paved, Add</i>	121.58	
			<i>For Smooth-Flo, Add</i>	198.17	
33 42 11 00-0535	LF		120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	566.61	121.69
			<i>For Bituminous Coated Pipe, Add</i>	66.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	127.20	
			<i>For Smooth-Flo, Add</i>	207.33	
33 42 11 00-0536			10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0498)</small>		
33 42 11 00-0537	LF		72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	388.67	64.90
			<i>For Bituminous Coated Pipe, Add</i>	51.92	
			<i>For Bituminous Coated And 25% Paved, Add</i>	98.65	
			<i>For Smooth-Flo, Add</i>	131.88	
33 42 11 00-0538	LF		78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	419.83	70.99
			<i>For Bituminous Coated Pipe, Add</i>	55.57	
			<i>For Bituminous Coated And 25% Paved, Add</i>	105.58	
			<i>For Smooth-Flo, Add</i>	141.15	
33 42 11 00-0539	LF		84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	448.28	76.06
			<i>For Bituminous Coated Pipe, Add</i>	59.23	
			<i>For Bituminous Coated And 25% Paved, Add</i>	112.54	
			<i>For Smooth-Flo, Add</i>	150.45	
33 42 11 00-0540	LF		90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	476.66	81.13
			<i>For Bituminous Coated Pipe, Add</i>	62.88	
			<i>For Bituminous Coated And 25% Paved, Add</i>	119.47	
			<i>For Smooth-Flo, Add</i>	159.72	
33 42 11 00-0541	LF		96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	505.83	86.20
			<i>For Bituminous Coated Pipe, Add</i>	66.54	
			<i>For Bituminous Coated And 25% Paved, Add</i>	126.42	
			<i>For Smooth-Flo, Add</i>	169.00	
33 42 11 00-0542	LF		102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	537.80	91.27
			<i>For Bituminous Coated Pipe, Add</i>	70.20	
			<i>For Bituminous Coated And 25% Paved, Add</i>	133.38	
			<i>For Smooth-Flo, Add</i>	178.30	
33 42 11 00-0543	LF		108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	572.05	101.42
			<i>For Bituminous Coated Pipe, Add</i>	73.85	
			<i>For Bituminous Coated And 25% Paved, Add</i>	140.31	
			<i>For Smooth-Flo, Add</i>	187.57	



	Utilities	33	CS
	Stormwater Utilities	33 40	
	Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0544	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	605.76 77.47 147.19 196.76	111.55
33 42 11 00-0545	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	638.43 81.14 154.16 206.09	121.69
33 42 11 00-0546	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	672.94 84.77 161.06 215.32	131.84
33 42 11 00-0547	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	710.05 88.43 168.02 224.62	141.98
33 42 11 00-0548	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	750.26 92.10 174.99 233.94	152.12
33 42 11 00-0549		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0456)</small>		
33 42 11 00-0550		16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0549)</small>		
33 42 11 00-0551	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	140.42 20.54 46.84 74.36	30.42
33 42 11 00-0552	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	167.51 25.18 57.40 91.13	34.48
33 42 11 00-0553	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	182.33 27.38 62.43 99.12	36.51
33 42 11 00-0554	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	225.25 34.47 78.59 124.78	44.63
33 42 11 00-0555	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	275.95 36.72 83.72 132.93	64.90
33 42 11 00-0556	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	297.82 38.96 88.83 141.04	70.99
33 42 11 00-0557	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	316.89 41.19 93.92 149.12	76.06
33 42 11 00-0558	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	335.92 43.42 98.99 157.16	81.13
33 42 11 00-0559	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	355.85 45.68 104.14 165.34	86.20
33 42 11 00-0560	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	378.75 47.99 109.41 173.71	91.27
33 42 11 00-0561		14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0549)</small>		
33 42 11 00-0562	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	187.18 24.07 56.57 102.43	34.48
33 42 11 00-0563	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	204.20 26.28 61.75 111.81	36.51
33 42 11 00-0564	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	249.10 32.35 76.01 137.63	44.63

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0565 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	301.72	64.90
For Bituminous Coated Pipe, Add	34.53	
For Bituminous Coated And 25% Paved, Add	81.15	
For Smooth-Flo, Add	146.93	
33 42 11 00-0566 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	325.93	70.99
For Bituminous Coated Pipe, Add	36.79	
For Bituminous Coated And 25% Paved, Add	86.46	
For Smooth-Flo, Add	156.54	
33 42 11 00-0567 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	347.20	76.06
For Bituminous Coated Pipe, Add	39.02	
For Bituminous Coated And 25% Paved, Add	91.69	
For Smooth-Flo, Add	166.01	
33 42 11 00-0568 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	367.31	81.13
For Bituminous Coated Pipe, Add	41.01	
For Bituminous Coated And 25% Paved, Add	96.37	
For Smooth-Flo, Add	174.50	
33 42 11 00-0569 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	390.41	86.20
For Bituminous Coated Pipe, Add	43.45	
For Bituminous Coated And 25% Paved, Add	102.11	
For Smooth-Flo, Add	184.89	
33 42 11 00-0570 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	415.16	91.27
For Bituminous Coated Pipe, Add	45.67	
For Bituminous Coated And 25% Paved, Add	107.32	
For Smooth-Flo, Add	194.33	
33 42 11 00-0571 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	442.16	101.42
For Bituminous Coated Pipe, Add	47.87	
For Bituminous Coated And 25% Paved, Add	112.49	
For Smooth-Flo, Add	203.68	
33 42 11 00-0572 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	469.04	111.55
For Bituminous Coated Pipe, Add	50.12	
For Bituminous Coated And 25% Paved, Add	117.79	
For Smooth-Flo, Add	213.27	
33 42 11 00-0573 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping		
<small>(33 42 11 00-0549)</small>		
33 42 11 00-0574 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	245.15	36.51
For Bituminous Coated Pipe, Add	34.47	
For Bituminous Coated And 25% Paved, Add	65.49	
For Smooth-Flo, Add	118.23	
33 42 11 00-0575 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	294.20	44.63
For Bituminous Coated Pipe, Add	41.37	
For Bituminous Coated And 25% Paved, Add	78.60	
For Smooth-Flo, Add	141.89	
33 42 11 00-0576 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	351.11	64.90
For Bituminous Coated Pipe, Add	44.41	
For Bituminous Coated And 25% Paved, Add	84.38	
For Smooth-Flo, Add	152.32	
33 42 11 00-0577 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	379.12	70.99
For Bituminous Coated Pipe, Add	47.43	
For Bituminous Coated And 25% Paved, Add	90.11	
For Smooth-Flo, Add	162.68	
33 42 11 00-0578 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	404.23	76.06
For Bituminous Coated Pipe, Add	50.42	
For Bituminous Coated And 25% Paved, Add	95.80	
For Smooth-Flo, Add	172.95	
33 42 11 00-0579 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	429.54	81.13
For Bituminous Coated Pipe, Add	53.46	
For Bituminous Coated And 25% Paved, Add	101.57	
For Smooth-Flo, Add	183.35	
33 42 11 00-0580 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	455.50	86.20
For Bituminous Coated Pipe, Add	56.47	
For Bituminous Coated And 25% Paved, Add	107.29	
For Smooth-Flo, Add	193.69	
33 42 11 00-0581 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	484.19	91.27
For Bituminous Coated Pipe, Add	59.48	
For Bituminous Coated And 25% Paved, Add	113.00	
For Smooth-Flo, Add	204.00	
33 42 11 00-0582 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	515.37	101.42
For Bituminous Coated Pipe, Add	62.51	
For Bituminous Coated And 25% Paved, Add	118.77	
For Smooth-Flo, Add	214.41	
33 42 11 00-0583 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	546.05	111.55
For Bituminous Coated Pipe, Add	65.52	
For Bituminous Coated And 25% Paved, Add	124.50	
For Smooth-Flo, Add	224.75	
33 42 11 00-0584 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	575.44	121.69
For Bituminous Coated Pipe, Add	68.54	
For Bituminous Coated And 25% Paved, Add	130.22	
For Smooth-Flo, Add	235.09	
33 42 11 00-0585 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping		
<small>(33 42 11 00-0549)</small>		



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0586 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	398.41	64.90
For Bituminous Coated Pipe, Add	53.87	
For Bituminous Coated And 25% Paved, Add	102.35	
For Smooth-Flo, Add	160.80	
33 42 11 00-0587 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	430.81	70.99
For Bituminous Coated Pipe, Add	57.77	
For Bituminous Coated And 25% Paved, Add	109.76	
For Smooth-Flo, Add	172.43	
33 42 11 00-0588 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	460.03	76.06
For Bituminous Coated Pipe, Add	61.58	
For Bituminous Coated And 25% Paved, Add	117.01	
For Smooth-Flo, Add	183.82	
33 42 11 00-0589 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	489.08	81.13
For Bituminous Coated Pipe, Add	65.36	
For Bituminous Coated And 25% Paved, Add	124.19	
For Smooth-Flo, Add	195.11	
33 42 11 00-0590 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	519.08	86.20
For Bituminous Coated Pipe, Add	69.19	
For Bituminous Coated And 25% Paved, Add	131.45	
For Smooth-Flo, Add	206.52	
33 42 11 00-0591 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	551.68	91.27
For Bituminous Coated Pipe, Add	72.97	
For Bituminous Coated And 25% Paved, Add	138.65	
For Smooth-Flo, Add	217.83	
33 42 11 00-0592 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	586.77	101.42
For Bituminous Coated Pipe, Add	76.79	
For Bituminous Coated And 25% Paved, Add	145.90	
For Smooth-Flo, Add	229.22	
33 42 11 00-0593 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	621.42	111.55
For Bituminous Coated Pipe, Add	80.60	
For Bituminous Coated And 25% Paved, Add	153.14	
For Smooth-Flo, Add	240.59	
33 42 11 00-0594 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	654.68	121.69
For Bituminous Coated Pipe, Add	84.39	
For Bituminous Coated And 25% Paved, Add	160.33	
For Smooth-Flo, Add	251.89	
33 42 11 00-0595 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	696.03	131.84
For Bituminous Coated Pipe, Add	89.39	
For Bituminous Coated And 25% Paved, Add	169.84	
For Smooth-Flo, Add	266.82	
33 42 11 00-0596 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	735.44	141.98
For Bituminous Coated Pipe, Add	93.51	
For Bituminous Coated And 25% Paved, Add	177.67	
For Smooth-Flo, Add	279.13	
33 42 11 00-0597 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	778.72	152.12
For Bituminous Coated Pipe, Add	97.79	
For Bituminous Coated And 25% Paved, Add	185.81	
For Smooth-Flo, Add	291.92	
33 42 11 00-0598 Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0456)		
33 42 11 00-0599 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0598)		
33 42 11 00-0600 LF 18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	49.52	11.45
For Bituminous Coated Pipe, Add	6.33	
33 42 11 00-0601 LF 21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	56.48	12.41
For Bituminous Coated Pipe, Add	7.54	
33 42 11 00-0602 LF 24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	62.94	13.36
For Bituminous Coated Pipe, Add	8.57	
33 42 11 00-0603 LF 30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	82.62	17.18
For Bituminous Coated Pipe, Add	11.04	
33 42 11 00-0604 LF 36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	106.68	22.31
For Bituminous Coated Pipe, Add	13.83	
33 42 11 00-0605 LF 42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	121.62	26.37
For Bituminous Coated Pipe, Add	16.31	
33 42 11 00-0606 LF 48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	137.04	30.42
For Bituminous Coated Pipe, Add	18.36	
33 42 11 00-0607 LF 54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	163.32	34.48
For Bituminous Coated Pipe, Add	22.49	
33 42 11 00-0608 LF 60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	178.18	36.51
For Bituminous Coated Pipe, Add	24.55	
33 42 11 00-0609 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0598)		
33 42 11 00-0610 LF 18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	54.05	11.45
For Bituminous Coated Pipe, Add	7.32	
33 42 11 00-0611 LF 21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	61.78	12.41
For Bituminous Coated Pipe, Add	8.70	
33 42 11 00-0612 LF 24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	68.98	13.36
For Bituminous Coated Pipe, Add	9.89	
33 42 11 00-0613 LF 30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	90.11	17.18
For Bituminous Coated Pipe, Add	12.67	
33 42 11 00-0614 LF 36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	115.72	22.31
For Bituminous Coated Pipe, Add	15.80	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0615 LF 42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	132.19	26.37
For Bituminous Coated Pipe, Add	18.61	
33 42 11 00-0616 LF 48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	149.11	30.42
For Bituminous Coated Pipe, Add	20.99	
33 42 11 00-0617 LF 54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	176.89	34.48
For Bituminous Coated Pipe, Add	25.43	
33 42 11 00-0618 LF 60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	193.28	36.51
For Bituminous Coated Pipe, Add	27.83	
33 42 11 00-0619 LF 66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	237.04	44.63
For Bituminous Coated Pipe, Add	34.57	
33 42 11 00-0620 LF 72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	288.99	64.90
For Bituminous Coated Pipe, Add	36.94	
33 42 11 00-0621 LF 78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	312.33	70.99
For Bituminous Coated Pipe, Add	39.35	
33 42 11 00-0622 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0598)		
33 42 11 00-0623 LF 30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	105.32	17.18
For Bituminous Coated Pipe, Add	13.24	
33 42 11 00-0624 LF 36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	133.89	22.31
For Bituminous Coated Pipe, Add	16.36	
33 42 11 00-0625 LF 42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	153.47	26.37
For Bituminous Coated Pipe, Add	19.25	
33 42 11 00-0626 LF 48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	173.39	30.42
For Bituminous Coated Pipe, Add	21.76	
33 42 11 00-0627 LF 54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	204.23	34.48
For Bituminous Coated Pipe, Add	25.97	
33 42 11 00-0628 LF 60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	223.70	36.51
For Bituminous Coated Pipe, Add	28.52	
33 42 11 00-0629 LF 66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	270.41	44.63
For Bituminous Coated Pipe, Add	34.59	
33 42 11 00-0630 LF 72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	325.37	64.90
For Bituminous Coated Pipe, Add	37.10	
33 42 11 00-0631 LF 78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	351.71	70.99
For Bituminous Coated Pipe, Add	39.64	
33 42 11 00-0632 LF 84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	375.21	76.06
For Bituminous Coated Pipe, Add	42.16	
33 42 11 00-0633 LF 90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	398.67	81.13
For Bituminous Coated Pipe, Add	44.68	
33 42 11 00-0634 LF 96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	422.88	86.20
For Bituminous Coated Pipe, Add	47.20	
33 42 11 00-0635 LF 102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	448.40	91.27
For Bituminous Coated Pipe, Add	49.44	
33 42 11 00-0636 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0456)		
33 42 11 00-0637 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0636)		
33 42 11 00-0638 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	18.05	5.72
For Bituminous Coated Pipe, Add	1.62	
33 42 11 00-0639 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	19.40	5.72
For Bituminous Coated Pipe, Add	1.95	
33 42 11 00-0640 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	22.63	7.16
For Bituminous Coated Pipe, Add	2.14	
33 42 11 00-0641 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	24.34	7.16
For Bituminous Coated Pipe, Add	2.56	
33 42 11 00-0642 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	28.60	8.59
For Bituminous Coated Pipe, Add	2.69	
33 42 11 00-0643 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	30.77	8.59
For Bituminous Coated Pipe, Add	3.22	
33 42 11 00-0644 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0636)		
33 42 11 00-0645 LF 6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	18.24	5.72
For Bituminous Coated Pipe, Add	1.60	
33 42 11 00-0646 LF 6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	19.55	5.72
For Bituminous Coated Pipe, Add	1.90	
33 42 11 00-0647 LF 8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	22.82	7.16
For Bituminous Coated Pipe, Add	2.10	
33 42 11 00-0648 LF 8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	24.64	7.16
For Bituminous Coated Pipe, Add	2.53	
33 42 11 00-0649 LF 10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	28.92	8.59
For Bituminous Coated Pipe, Add	2.66	
33 42 11 00-0650 LF 10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	31.15	8.59
For Bituminous Coated Pipe, Add	3.18	
33 42 11 00-0651 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings (33 42 11 00-0636)		
33 42 11 00-0652 EA 6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	9.99	
For Bituminous Coated Pipe, Add	2.25	
33 42 11 00-0653 EA 8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	13.23	
For Bituminous Coated Pipe, Add	2.98	



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

CS

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0654	EA		10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	16.22 3.65	
33 42 11 00-0655	EA		6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	36.04 4.97	
33 42 11 00-0656	EA		6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	8.56 1.14	
33 42 11 00-0657	EA		8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	10.74 1.70	
33 42 11 00-0658			2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0456)</small>		
33 42 11 00-0659			16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0658)</small>		
33 42 11 00-0660	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	54.54	10.02
33 42 11 00-0661	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	64.03	10.50
33 42 11 00-0662	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	73.83	11.45
33 42 11 00-0663	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	85.65	12.41
33 42 11 00-0664	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	95.49	13.36
33 42 11 00-0665	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	125.09	17.18
33 42 11 00-0666	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	160.72	22.31
33 42 11 00-0667	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	185.77	26.37
33 42 11 00-0668	LF		48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	208.53	30.42
33 42 11 00-0669			14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0658)</small>		
33 42 11 00-0670	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	61.84	10.02
33 42 11 00-0671	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	73.07	10.50
33 42 11 00-0672	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	84.66	11.45
33 42 11 00-0673	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	98.19	12.41
33 42 11 00-0674	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	110.06	13.36
33 42 11 00-0675	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	142.97	17.18
33 42 11 00-0676	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	182.30	22.31
33 42 11 00-0677	LF		42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	210.54	26.37
33 42 11 00-0678	LF		48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	236.80	30.42
33 42 11 00-0679	LF		54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	286.42	34.48
33 42 11 00-0680			12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0658)</small>		
33 42 11 00-0681	LF		18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	107.23	11.45
33 42 11 00-0682	LF		21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	124.55	12.41
33 42 11 00-0683	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	140.02	13.36
33 42 11 00-0684	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	180.40	17.18
33 42 11 00-0685	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	218.04	22.31
33 42 11 00-0686	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	262.90	26.37
33 42 11 00-0687	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	296.56	30.42
33 42 11 00-0688	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	354.60	34.48
33 42 11 00-0689	LF		60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	387.47	36.51
33 42 11 00-0690	LF		66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	474.41	44.63
33 42 11 00-0691			10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0658)</small>		
33 42 11 00-0692	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	268.25	22.31
33 42 11 00-0693	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	310.60	26.37
33 42 11 00-0694	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	350.74	30.42
33 42 11 00-0695	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	415.30	34.48
33 42 11 00-0696	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	455.04	36.51
33 42 11 00-0697	LF		66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	548.62	44.63
33 42 11 00-0698	LF		72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	623.59	64.90
33 42 11 00-0699			3" x 1" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0456)</small>		
33 42 11 00-0700			16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0699)</small>		
33 42 11 00-0701	LF		36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	202.16	22.31
33 42 11 00-0702	LF		42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	233.55	26.37
33 42 11 00-0703	LF		48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	262.10	30.42
33 42 11 00-0704	LF		54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	316.89	34.48
33 42 11 00-0705	LF		60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	345.05	36.51
33 42 11 00-0706	LF		66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	438.89	44.63
33 42 11 00-0707	LF		72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	503.47	64.90
33 42 11 00-0708	LF		78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	539.25	70.99
33 42 11 00-0709	LF		84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	572.34	76.06
33 42 11 00-0710	LF		90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	605.46	81.13
33 42 11 00-0711	LF		96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	639.21	86.20
33 42 11 00-0712	LF		102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	675.95	91.27
33 42 11 00-0713			14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0699)</small>		
33 42 11 00-0714	LF		54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	355.91	34.48

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0715 LF 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	388.18	36.51
33 42 11 00-0716 LF 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	486.40	44.63
33 42 11 00-0717 LF 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	555.14	64.90
33 42 11 00-0718 LF 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	595.14	70.99
33 42 11 00-0719 LF 84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	632.61	76.06
33 42 11 00-0720 LF 90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	669.82	81.13
33 42 11 00-0721 LF 96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	707.77	86.20
33 42 11 00-0722 LF 102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	748.76	91.27
33 42 11 00-0723 LF 108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	791.98	101.42
33 42 11 00-0724 LF 114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	834.31	111.55
33 42 11 00-0725 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0699)		
33 42 11 00-0726 LF 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	486.31	36.51
33 42 11 00-0727 LF 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	595.56	44.63
33 42 11 00-0728 LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	673.77	64.90
33 42 11 00-0729 LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	723.28	70.99
33 42 11 00-0730 LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	770.21	76.06
33 42 11 00-0731 LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	816.95	81.13
33 42 11 00-0732 LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	864.49	86.20
33 42 11 00-0733 LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	914.93	91.27
33 42 11 00-0734 LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	967.54	101.42
33 42 11 00-0735 LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,019.52	111.55
33 42 11 00-0736 LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,070.63	121.69
33 42 11 00-0737 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0699)		
33 42 11 00-0738 LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	781.86	64.90
33 42 11 00-0739 LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	840.18	70.99
33 42 11 00-0740 LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	895.99	76.06
33 42 11 00-0741 LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	951.57	81.13
33 42 11 00-0742 LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,008.01	86.20
33 42 11 00-0743 LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,067.31	91.27
33 42 11 00-0744 LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,128.81	101.42
33 42 11 00-0745 LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,189.61	111.55
33 42 11 00-0746 LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,249.59	121.69
33 42 11 00-0747 LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,311.25	131.84
33 42 11 00-0748 LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,375.70	141.98
33 42 11 00-0749 LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,443.25	152.12
33 42 11 00-0750 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0456)		
33 42 11 00-0751 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0750)		
33 42 11 00-0752 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	253.69	30.42
33 42 11 00-0753 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	307.63	34.48
33 42 11 00-0754 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	334.44	36.51
33 42 11 00-0755 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	419.17	44.63
33 42 11 00-0756 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	482.14	64.90
33 42 11 00-0757 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	516.24	70.99
33 42 11 00-0758 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	547.43	76.06
33 42 11 00-0759 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	578.54	81.13
33 42 11 00-0760 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	610.71	86.20
33 42 11 00-0761 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	646.27	91.27
33 42 11 00-0762 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0750)		
33 42 11 00-0763 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	353.98	34.48
33 42 11 00-0764 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	386.06	36.51
33 42 11 00-0765 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	475.47	44.63
33 42 11 00-0766 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	542.98	64.90
33 42 11 00-0767 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	582.57	70.99
33 42 11 00-0768 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	618.92	76.06
33 42 11 00-0769 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	652.62	81.13
33 42 11 00-0770 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	692.31	86.20
33 42 11 00-0771 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	732.18	91.27
33 42 11 00-0772 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	774.09	101.42
33 42 11 00-0773 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	816.29	111.55
33 42 11 00-0774 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0750)		
33 42 11 00-0775 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	489.53	36.51
33 42 11 00-0776 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	589.94	44.63
33 42 11 00-0777 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	668.26	64.90
33 42 11 00-0778 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	717.36	70.99
33 42 11 00-0779 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	763.41	76.06
33 42 11 00-0780 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	810.03	81.13



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0781 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	857.11	86.20
33 42 11 00-0782 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	906.83	91.27
33 42 11 00-0783 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	959.30	101.42
33 42 11 00-0784 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,011.10	111.55
33 42 11 00-0785 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,061.58	121.69
33 42 11 00-0786 10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel		
Piping <small>(33 42 11 00-0750)</small>		
33 42 11 00-0787 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	781.82	64.90
33 42 11 00-0788 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	841.48	70.99
33 42 11 00-0789 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	897.49	76.06
33 42 11 00-0790 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	953.03	81.13
33 42 11 00-0791 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,009.74	86.20
33 42 11 00-0792 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,068.95	91.27
33 42 11 00-0793 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,130.71	101.42
33 42 11 00-0794 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,192.04	111.55
33 42 11 00-0795 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,251.89	121.69
33 42 11 00-0796 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,328.25	131.84
33 42 11 00-0797 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,396.59	141.98
33 42 11 00-0798 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,469.85	152.12
33 42 11 00-0799 Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0455)</small>		
33 42 11 00-0800 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0799)</small>		
33 42 11 00-0801 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0800)</small>		
33 42 11 00-0802 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	40.05	10.50
<i>For Bituminous Coated Pipe, Add</i>	4.60	
<i>For Bituminous Coated And 25% Paved, Add</i>	11.13	
<i>For Smooth-Flo, Add</i>	18.36	
33 42 11 00-0803 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	44.43	11.45
<i>For Bituminous Coated Pipe, Add</i>	5.50	
<i>For Bituminous Coated And 25% Paved, Add</i>	13.29	
<i>For Smooth-Flo, Add</i>	21.93	
33 42 11 00-0804 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	50.69	12.41
<i>For Bituminous Coated Pipe, Add</i>	6.62	
<i>For Bituminous Coated And 25% Paved, Add</i>	16.00	
<i>For Smooth-Flo, Add</i>	26.39	
33 42 11 00-0805 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	56.80	13.36
<i>For Bituminous Coated Pipe, Add</i>	7.62	
<i>For Bituminous Coated And 25% Paved, Add</i>	18.43	
<i>For Smooth-Flo, Add</i>	30.41	
33 42 11 00-0806 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	74.14	17.18
<i>For Bituminous Coated Pipe, Add</i>	9.68	
<i>For Bituminous Coated And 25% Paved, Add</i>	23.41	
<i>For Smooth-Flo, Add</i>	38.62	
33 42 11 00-0807 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	97.48	22.31
<i>For Bituminous Coated Pipe, Add</i>	12.49	
<i>For Bituminous Coated And 25% Paved, Add</i>	30.20	
<i>For Smooth-Flo, Add</i>	49.81	
33 42 11 00-0808 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0800)</small>		
33 42 11 00-0809 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	43.78	10.50
<i>For Bituminous Coated Pipe, Add</i>	4.78	
<i>For Bituminous Coated And 25% Paved, Add</i>	11.18	
<i>For Smooth-Flo, Add</i>	18.33	
33 42 11 00-0810 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	49.00	11.45
<i>For Bituminous Coated Pipe, Add</i>	5.73	
<i>For Bituminous Coated And 25% Paved, Add</i>	13.40	
<i>For Smooth-Flo, Add</i>	21.99	
33 42 11 00-0811 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	55.78	12.41
<i>For Bituminous Coated Pipe, Add</i>	6.81	
<i>For Bituminous Coated And 25% Paved, Add</i>	15.93	
<i>For Smooth-Flo, Add</i>	26.13	
33 42 11 00-0812 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	62.70	13.36
<i>For Bituminous Coated Pipe, Add</i>	7.85	
<i>For Bituminous Coated And 25% Paved, Add</i>	18.37	
<i>For Smooth-Flo, Add</i>	30.13	
33 42 11 00-0813 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	81.50	17.18
<i>For Bituminous Coated Pipe, Add</i>	9.94	
<i>For Bituminous Coated And 25% Paved, Add</i>	23.26	
<i>For Smooth-Flo, Add</i>	38.16	
33 42 11 00-0814 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	106.23	22.31
<i>For Bituminous Coated Pipe, Add</i>	12.67	
<i>For Bituminous Coated And 25% Paved, Add</i>	29.63	
<i>For Smooth-Flo, Add</i>	48.60	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0815	LF		49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	121.80 15.09 35.30 57.90	26.37
33 42 11 00-0816			12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch Arch (33 42 11 00-0800)		
33 42 11 00-0817	LF		21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	63.52 6.20 13.79 21.21	12.16
33 42 11 00-0818	LF		24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	72.37 7.35 16.35 25.15	13.18
33 42 11 00-0819	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	81.18 8.43 18.76 28.85	14.20
33 42 11 00-0820	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	105.04 10.61 23.62 36.32	18.26
33 42 11 00-0821	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	124.09 13.28 29.56 45.45	22.31
33 42 11 00-0822	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	142.41 15.71 34.95 53.75	26.37
33 42 11 00-0823	LF		57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	165.92 18.63 41.45 63.74	30.42
33 42 11 00-0824	LF		64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	185.71 20.57 45.78 70.39	34.48
33 42 11 00-0825			10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch Arch (33 42 11 00-0800)		
33 42 11 00-0826	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	140.90 16.00 33.69 42.49	22.31
33 42 11 00-0827	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	162.01 18.88 39.74 50.12	26.37
33 42 11 00-0828	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	188.14 22.21 46.76 58.97	30.42
33 42 11 00-0829	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	210.83 24.63 51.85 65.39	34.48
33 42 11 00-0830	LF		71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	230.92 27.04 56.92 71.78	36.51
33 42 11 00-0831			3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0799)		
33 42 11 00-0832			14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0831)		
33 42 11 00-0833	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	185.47 23.73 72.15 80.69	34.48
33 42 11 00-0834	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	202.66 25.97 78.95 88.30	36.51
33 42 11 00-0835	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	250.46 32.62 99.16 110.90	44.63



	Utilities	33	CS
	Stormwater Utilities	33 40	
	Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0836	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	303.92 34.97 106.31 118.90	64.90
33 42 11 00-0837	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	329.18 37.44 113.82 127.30	70.99
33 42 11 00-0838	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	351.73 39.92 121.36 135.73	76.06
33 42 11 00-0839	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	374.22 42.39 128.87 144.13	81.13
33 42 11 00-0840	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	397.42 44.85 136.36 152.50	86.20
33 42 11 00-0841		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0831)</small>		
33 42 11 00-0842	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	241.31 33.70 88.29 104.47	36.51
33 42 11 00-0843	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	293.33 41.19 107.92 127.70	44.63
33 42 11 00-0844	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	350.59 44.30 116.08 137.34	64.90
33 42 11 00-0845	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	379.61 47.53 124.52 147.33	70.99
33 42 11 00-0846	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	405.93 50.76 133.00 157.36	76.06
33 42 11 00-0847	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	432.22 53.99 141.46 167.38	81.13
33 42 11 00-0848	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	459.19 57.21 149.88 177.34	86.20
33 42 11 00-0849	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	489.11 60.46 158.41 187.43	91.27
33 42 11 00-0850	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	521.27 63.69 166.87 197.44	101.42
33 42 11 00-0851	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	554.63 67.24 176.17 208.44	111.55
33 42 11 00-0852		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0831)</small>		
33 42 11 00-0853	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	393.94 52.97 126.08 136.94	64.90
33 42 11 00-0854	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	426.56 56.92 135.46 147.13	70.99
33 42 11 00-0855	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	456.44 60.86 144.86 157.33	76.06
33 42 11 00-0856	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	486.22 64.79 154.20 167.49	81.13

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0857 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	516.78 68.73 163.57 177.66	86.20
33 42 11 00-0858 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	350.21 72.68 172.98 187.88	91.27
33 42 11 00-0859 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	585.93 76.62 182.36 198.07	101.42
33 42 11 00-0860 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	622.57 80.83 192.37 208.94	111.55
33 42 11 00-0861 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	662.15 85.88 204.39 222.00	121.69
33 42 11 00-0862 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0799)</small>		
33 42 11 00-0863 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0862)</small>		
33 42 11 00-0864 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	354.84 45.15 110.18 140.20	64.90
33 42 11 00-0865 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	383.45 48.29 117.84 149.95	70.99
33 42 11 00-0866 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	409.11 51.40 125.41 159.59	76.06
33 42 11 00-0867 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	434.77 54.50 132.98 169.23	81.13
33 42 11 00-0868 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	461.29 57.63 140.61 178.93	86.20
33 42 11 00-0869 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	490.85 60.81 148.37 188.81	91.27
33 42 11 00-0870 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	522.66 63.97 156.08 198.62	101.42
33 42 11 00-0871 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	558.08 67.93 165.75 210.92	111.55
33 42 11 00-0872 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0862)</small>		
33 42 11 00-0873 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	402.84 54.75 123.74 134.42	64.90
33 42 11 00-0874 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	435.28 58.66 132.57 144.01	70.99
33 42 11 00-0875 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	464.85 62.55 141.35 153.55	76.06
33 42 11 00-0876 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	494.52 66.45 150.18 163.14	81.13
33 42 11 00-0877 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	524.28 70.23 158.71 172.40	86.20



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0878 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	558.27 74.29 167.90 182.39	91.27
33 42 11 00-0879 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	594.06 78.25 176.84 192.10	101.42
33 42 11 00-0880 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	633.42 83.00 187.58 203.76	111.55
33 42 11 00-0881 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	670.17 87.48 197.71 214.77	121.69
33 42 11 00-0882 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0799)		
33 42 11 00-0883 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0882)		
33 42 11 00-0884 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	64.09	10.50
33 42 11 00-0885 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	73.17	11.45
33 42 11 00-0886 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	85.37	12.41
33 42 11 00-0887 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.83	13.36
33 42 11 00-0888 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	125.12	17.18
33 42 11 00-0889 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	163.70	22.31
33 42 11 00-0890 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0882)		
33 42 11 00-0891 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	72.68	10.50
33 42 11 00-0892 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	83.66	11.45
33 42 11 00-0893 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	97.08	12.41
33 42 11 00-0894 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	110.43	13.36
33 42 11 00-0895 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	142.04	17.18
33 42 11 00-0896 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	183.82	22.31
33 42 11 00-0897 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	214.43	26.37
33 42 11 00-0898 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0882)		
33 42 11 00-0899 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	109.37	11.45
33 42 11 00-0900 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	127.53	12.41
33 42 11 00-0901 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	144.92	13.36
33 42 11 00-0902 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	185.08	17.18
33 42 11 00-0903 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	235.81	22.31
33 42 11 00-0904 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	274.97	26.37
33 42 11 00-0905 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	324.20	30.42
33 42 11 00-0906 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	360.02	34.48
33 42 11 00-0907 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0882)		
33 42 11 00-0908 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	276.58	22.31
33 42 11 00-0909 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	322.54	26.37
33 42 11 00-0910 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	378.13	30.42
33 42 11 00-0911 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	421.00	34.48
33 42 11 00-0912 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	461.18	36.51
33 42 11 00-0913 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0799)		
33 42 11 00-0914 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0913)		
33 42 11 00-0915 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	363.57	34.48
33 42 11 00-0916 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	397.19	36.51
33 42 11 00-0917 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	496.85	44.63
33 42 11 00-0918 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	567.70	64.90
33 42 11 00-0919 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	611.26	70.99
33 42 11 00-0920 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	652.18	76.06
33 42 11 00-0921 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	692.93	81.13
33 42 11 00-0922 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	734.50	86.20
33 42 11 00-0923 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0913)		
33 42 11 00-0924 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	495.51	36.51
33 42 11 00-0925 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	606.30	44.63
33 42 11 00-0926 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	686.81	64.90
33 42 11 00-0927 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	739.87	70.99
33 42 11 00-0928 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	790.33	76.06
33 42 11 00-0929 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	840.73	81.13
33 42 11 00-0930 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	891.76	86.20

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0931 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	945.88	91.27
33 42 11 00-0932 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,002.15	101.42
33 42 11 00-0933 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,062.03	111.55
33 42 11 00-0934 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0913)		
33 42 11 00-0935 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	794.88	64.90
33 42 11 00-0936 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	856.87	70.99
33 42 11 00-0937 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	916.26	76.06
33 42 11 00-0938 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	975.34	81.13
33 42 11 00-0939 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,035.26	86.20
33 42 11 00-0940 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,098.22	91.27
33 42 11 00-0941 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,163.39	101.42
33 42 11 00-0942 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,231.39	111.55
33 42 11 00-0943 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,308.63	121.69
33 42 11 00-0944 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0799)		
33 42 11 00-0945 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0944)		
33 42 11 00-0946 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	677.10	64.90
33 42 11 00-0947 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	727.72	70.99
33 42 11 00-0948 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	775.15	76.06
33 42 11 00-0949 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	822.52	81.13
33 42 11 00-0950 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	870.93	86.20
33 42 11 00-0951 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	922.79	91.27
33 42 11 00-0952 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	976.72	101.42
33 42 11 00-0953 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,039.89	111.55
33 42 11 00-0954 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0944)		
33 42 11 00-0955 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	792.35	64.90
33 42 11 00-0956 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	852.13	70.99
33 42 11 00-0957 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	908.91	76.06
33 42 11 00-0958 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	965.95	81.13
33 42 11 00-0959 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,022.22	86.20
33 42 11 00-0960 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,084.64	91.27
33 42 11 00-0961 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,148.16	101.42
33 42 11 00-0962 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,220.92	111.55
33 42 11 00-0963 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,288.92	121.69
33 42 11 00-0964 Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0455)		
33 42 11 00-0965 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0964)		
33 42 11 00-0966 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0965)		
33 42 11 00-0967 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	37.78	10.02
For 1/2 Bituminous Coated And 25% Paved, Add	6.85	
33 42 11 00-0968 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	42.91	10.50
For 1/2 Bituminous Coated And 25% Paved, Add	8.63	
33 42 11 00-0969 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	48.23	11.45
For 1/2 Bituminous Coated And 25% Paved, Add	10.46	
33 42 11 00-0970 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	55.05	12.41
For 1/2 Bituminous Coated And 25% Paved, Add	12.50	
33 42 11 00-0971 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	61.02	13.36
For 1/2 Bituminous Coated And 25% Paved, Add	14.08	
33 42 11 00-0972 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	80.45	17.18
For 1/2 Bituminous Coated And 25% Paved, Add	18.26	
33 42 11 00-0973 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	104.35	22.31
For 1/2 Bituminous Coated And 25% Paved, Add	23.04	
33 42 11 00-0974 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	119.08	26.37
For 1/2 Bituminous Coated And 25% Paved, Add	27.25	
33 42 11 00-0975 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	133.83	30.42
For 1/2 Bituminous Coated And 25% Paved, Add	30.53	
33 42 11 00-0976 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0965)		
33 42 11 00-0977 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	41.48	10.02
For 1/2 Bituminous Coated And 25% Paved, Add	6.50	
33 42 11 00-0978 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	47.48	10.50
For 1/2 Bituminous Coated And 25% Paved, Add	8.16	
33 42 11 00-0979 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	53.67	11.45
For 1/2 Bituminous Coated And 25% Paved, Add	9.87	
33 42 11 00-0980 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	61.36	12.41
For 1/2 Bituminous Coated And 25% Paved, Add	11.73	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0981 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	68.35 13.28	13.36
33 42 11 00-0982 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	89.42 17.06	17.18
33 42 11 00-0983 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	115.19 21.38	22.31
33 42 11 00-0984 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	131.56 25.18	26.37
33 42 11 00-0985 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	148.06 28.29	30.42
33 42 11 00-0986 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	177.24 34.79	34.48
33 42 11 00-0987 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0985)</small>		
33 42 11 00-0988 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	65.11 9.19	11.45
33 42 11 00-0989 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	74.72 10.88	12.41
33 42 11 00-0990 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	83.52 12.33	13.36
33 42 11 00-0991 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	108.36 15.72	17.18
33 42 11 00-0992 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	138.04 19.50	22.31
33 42 11 00-0993 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	158.04 22.88	26.37
33 42 11 00-0994 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	178.27 25.80	30.42
33 42 11 00-0995 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	211.73 31.16	34.48
33 42 11 00-0996 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	231.27 34.07	36.51
33 42 11 00-0997 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	282.24 41.90	44.63
33 42 11 00-0998 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0985)</small>		
33 42 11 00-0999 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	158.58 21.36	22.31
33 42 11 00-1000 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	182.07 25.05	26.37
33 42 11 00-1001 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	205.54 28.28	30.42
33 42 11 00-1002 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	242.32 33.70	34.48
33 42 11 00-1003 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	265.31 36.96	36.51
33 42 11 00-1004 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	319.63 44.59	44.63
33 42 11 00-1005 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	378.07 47.81	64.90
33 42 11 00-1006 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0964)</small>		
33 42 11 00-1007 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1006)</small>		
33 42 11 00-1008 LF 36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	120.50 25.61	22.31
33 42 11 00-1009 LF 42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	137.56 30.08	26.37
33 42 11 00-1010 LF 48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	154.62 33.73	30.42
33 42 11 00-1011 LF 54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	184.53 41.20	34.48
33 42 11 00-1012 LF 60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	201.06 44.89	36.51
33 42 11 00-1013 LF 66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	252.10 57.66	44.63
33 42 11 00-1014 LF 72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	304.65 61.45	64.90
33 42 11 00-1015 LF 78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	328.44 65.26	70.99
33 42 11 00-1016 LF 84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	349.50 69.08	76.06
33 42 11 00-1017 LF 90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	370.56 72.91	81.13
33 42 11 00-1018 LF 96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	392.33 76.71	86.20
33 42 11 00-1019 LF 102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	416.98 80.56	91.27

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1020 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1006)</small>		
33 42 11 00-1021 LF 54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	203.08	34.48
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	35.70	
33 42 11 00-1022 LF 60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	221.57	36.51
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	38.98	
33 42 11 00-1023 LF 66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	274.67	44.63
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	49.07	
33 42 11 00-1024 LF 72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	329.24	64.90
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	52.44	
33 42 11 00-1025 LF 78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	355.02	70.99
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	55.82	
33 42 11 00-1026 LF 84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	378.17	76.06
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.23	
33 42 11 00-1027 LF 90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	401.18	81.13
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.60	
33 42 11 00-1028 LF 96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	424.94	86.20
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	65.97	
33 42 11 00-1029 LF 102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	451.58	91.27
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	69.37	
33 42 11 00-1030 LF 108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	480.53	101.42
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	72.76	
33 42 11 00-1031 LF 114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	508.87	111.55
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	76.10	
33 42 11 00-1032 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1006)</small>		
33 42 11 00-1033 LF 60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	267.16	36.51
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	52.28	
33 42 11 00-1034 LF 66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	325.14	44.63
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	63.96	
33 42 11 00-1035 LF 72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	384.11	64.90
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	68.61	
33 42 11 00-1036 LF 78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	414.35	70.99
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	73.27	
33 42 11 00-1037 LF 84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	441.89	76.06
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	77.95	
33 42 11 00-1038 LF 90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	469.37	81.13
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	82.61	
33 42 11 00-1039 LF 96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	497.56	86.20
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	87.27	
33 42 11 00-1040 LF 102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	528.62	91.27
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	91.95	
33 42 11 00-1041 LF 108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	561.97	101.42
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	96.61	
33 42 11 00-1042 LF 114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	594.77	111.55
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	101.24	
33 42 11 00-1043 LF 120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	626.50	121.69
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	105.92	
33 42 11 00-1044 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1006)</small>		
33 42 11 00-1045 LF 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	435.27	64.90
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	84.21	
33 42 11 00-1046 LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	469.63	70.99
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	90.10	
33 42 11 00-1047 LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	501.40	76.06
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	96.05	
33 42 11 00-1048 LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	533.02	81.13
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	101.96	
33 42 11 00-1049 LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	565.47	86.20
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	107.89	
33 42 11 00-1050 LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	600.75	91.27
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	113.83	
33 42 11 00-1051 LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	638.25	101.42
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	119.74	
33 42 11 00-1052 LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	675.24	111.55
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	125.62	
33 42 11 00-1053 LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	711.19	121.69
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	131.57	
33 42 11 00-1054 LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	748.98	131.84
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	137.47	
33 42 11 00-1055 LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	789.37	141.98
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	143.41	
33 42 11 00-1056 LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	832.85	152.12
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	149.35	
33 42 11 00-1057 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0964)</small>		



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1058 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1057)</small>		
33 42 11 00-1059 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	155.21	30.42
For 1/2 Bituminous Coated And 25% Paved, Add	41.79	
33 42 11 00-1060 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	185.61	34.48
For 1/2 Bituminous Coated And 25% Paved, Add	51.20	
33 42 11 00-1061 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	202.00	36.51
For 1/2 Bituminous Coated And 25% Paved, Add	55.68	
33 42 11 00-1062 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	250.01	44.63
For 1/2 Bituminous Coated And 25% Paved, Add	70.10	
33 42 11 00-1063 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	302.31	64.90
For 1/2 Bituminous Coated And 25% Paved, Add	74.67	
33 42 11 00-1064 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	325.83	70.99
For 1/2 Bituminous Coated And 25% Paved, Add	79.24	
33 42 11 00-1065 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	346.50	76.06
For 1/2 Bituminous Coated And 25% Paved, Add	83.76	
33 42 11 00-1066 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	367.10	81.13
For 1/2 Bituminous Coated And 25% Paved, Add	88.29	
33 42 11 00-1067 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	388.67	86.20
For 1/2 Bituminous Coated And 25% Paved, Add	92.89	
33 42 11 00-1068 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	413.24	91.27
For 1/2 Bituminous Coated And 25% Paved, Add	97.59	
33 42 11 00-1069 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1057)</small>		
33 42 11 00-1070 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	208.80	34.48
For 1/2 Bituminous Coated And 25% Paved, Add	48.28	
33 42 11 00-1071 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	227.85	36.51
For 1/2 Bituminous Coated And 25% Paved, Add	52.71	
33 42 11 00-1072 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	278.16	44.63
For 1/2 Bituminous Coated And 25% Paved, Add	64.87	
33 42 11 00-1073 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	332.76	64.90
For 1/2 Bituminous Coated And 25% Paved, Add	69.25	
33 42 11 00-1074 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	359.00	70.99
For 1/2 Bituminous Coated And 25% Paved, Add	73.79	
33 42 11 00-1075 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	382.25	76.06
For 1/2 Bituminous Coated And 25% Paved, Add	78.24	
33 42 11 00-1076 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	404.18	81.13
For 1/2 Bituminous Coated And 25% Paved, Add	82.25	
33 42 11 00-1077 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	429.44	86.20
For 1/2 Bituminous Coated And 25% Paved, Add	87.14	
33 42 11 00-1078 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	456.22	91.27
For 1/2 Bituminous Coated And 25% Paved, Add	91.60	
33 42 11 00-1079 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	485.20	101.42
For 1/2 Bituminous Coated And 25% Paved, Add	96.01	
33 42 11 00-1080 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	514.10	111.55
For 1/2 Bituminous Coated And 25% Paved, Add	100.53	
33 42 11 00-1081 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1057)</small>		
33 42 11 00-1082 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	276.15	36.51
For 1/2 Bituminous Coated And 25% Paved, Add	58.16	
33 42 11 00-1083 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	331.42	44.63
For 1/2 Bituminous Coated And 25% Paved, Add	69.80	
33 42 11 00-1084 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	391.08	64.90
For 1/2 Bituminous Coated And 25% Paved, Add	74.93	
33 42 11 00-1085 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	421.78	70.99
For 1/2 Bituminous Coated And 25% Paved, Add	80.02	
33 42 11 00-1086 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	449.60	76.06
For 1/2 Bituminous Coated And 25% Paved, Add	85.08	
33 42 11 00-1087 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	477.67	81.13
For 1/2 Bituminous Coated And 25% Paved, Add	90.21	
33 42 11 00-1088 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	506.31	86.20
For 1/2 Bituminous Coated And 25% Paved, Add	95.28	
33 42 11 00-1089 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	537.73	91.27
For 1/2 Bituminous Coated And 25% Paved, Add	100.36	
33 42 11 00-1090 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	571.63	101.42
For 1/2 Bituminous Coated And 25% Paved, Add	105.48	
33 42 11 00-1091 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	605.03	111.55
For 1/2 Bituminous Coated And 25% Paved, Add	110.57	
33 42 11 00-1092 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	637.14	121.69
For 1/2 Bituminous Coated And 25% Paved, Add	115.66	
33 42 11 00-1093 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1057)</small>		
33 42 11 00-1094 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	446.92	64.90
For 1/2 Bituminous Coated And 25% Paved, Add	90.91	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1095 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	482.82 97.48	70.99
33 42 11 00-1096 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	515.49 103.92	76.06
33 42 11 00-1097 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	547.95 110.31	81.13
33 42 11 00-1098 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	581.34 116.74	86.20
33 42 11 00-1099 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	617.39 123.15	91.27
33 42 11 00-1100 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	655.90 129.58	101.42
33 42 11 00-1101 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	693.97 136.00	111.55
33 42 11 00-1102 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	730.65 142.40	121.69
33 42 11 00-1103 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	776.53 150.85	131.84
33 42 11 00-1104 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	819.64 157.80	141.98
33 42 11 00-1105 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	866.75 165.02	152.12
33 42 11 00-1106 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0964)		
33 42 11 00-1107 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1106)		
33 42 11 00-1108 LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	54.47	11.45
33 42 11 00-1109 LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	62.27	12.41
33 42 11 00-1110 LF 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	69.57	13.36
33 42 11 00-1111 LF 30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	90.88	17.18
33 42 11 00-1112 LF 36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	116.59	22.31
33 42 11 00-1113 LF 42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	133.20	26.37
33 42 11 00-1114 LF 48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	150.26	30.42
33 42 11 00-1115 LF 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	178.21	34.48
33 42 11 00-1116 LF 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	194.71	36.51
33 42 11 00-1117 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1106)		
33 42 11 00-1118 LF 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	59.84	11.45
33 42 11 00-1119 LF 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	68.55	12.41
33 42 11 00-1120 LF 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	76.68	13.36
33 42 11 00-1121 LF 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	99.78	17.18
33 42 11 00-1122 LF 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	127.30	22.31
33 42 11 00-1123 LF 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	145.72	26.37
33 42 11 00-1124 LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	164.56	30.42
33 42 11 00-1125 LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	194.29	34.48
33 42 11 00-1126 LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	212.64	36.51
33 42 11 00-1127 LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	258.52	44.63
33 42 11 00-1128 LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	312.39	64.90
33 42 11 00-1129 LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	337.65	70.99
33 42 11 00-1130 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1106)		
33 42 11 00-1131 LF 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	117.81	17.18
33 42 11 00-1132 LF 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	148.89	22.31
33 42 11 00-1133 LF 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	171.01	26.37
33 42 11 00-1134 LF 48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	193.41	30.42
33 42 11 00-1135 LF 54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	226.73	34.48
33 42 11 00-1136 LF 60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	248.74	36.51
33 42 11 00-1137 LF 66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	298.14	44.63
33 42 11 00-1138 LF 72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	355.57	64.90
33 42 11 00-1139 LF 78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	384.42	70.99
33 42 11 00-1140 LF 84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	410.40	76.06
33 42 11 00-1141 LF 90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	436.41	81.13
33 42 11 00-1142 LF 96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	463.06	86.20
33 42 11 00-1143 LF 102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	490.82	91.27
33 42 11 00-1144 Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-0455)		
33 42 11 00-1145 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1144)		
33 42 11 00-1146 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1145)		
33 42 11 00-1147 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	44.16 11.14	10.50
33 42 11 00-1148 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	49.35 13.31	11.45



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1149	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	56.58 16.01	12.41
33 42 11 00-1150	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	63.61 18.45	13.36
33 42 11 00-1151	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	82.79 23.44	17.18
33 42 11 00-1152	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	108.64 30.23	22.31
33 42 11 00-1153		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1145)</small>		
33 42 11 00-1154	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	48.73 11.55	10.50
33 42 11 00-1155	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	54.89 13.83	11.45
33 42 11 00-1156	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	62.83 16.46	12.41
33 42 11 00-1157	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	70.83 18.98	13.36
33 42 11 00-1158	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	91.79 24.03	17.18
33 42 11 00-1159	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	119.35 30.61	22.31
33 42 11 00-1160	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	137.42 36.47	26.37
33 42 11 00-1161		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1145)</small>		
33 42 11 00-1162	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	66.19 12.67	11.45
33 42 11 00-1163	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	76.22 15.06	12.41
33 42 11 00-1164	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	86.00 17.29	13.36
33 42 11 00-1165	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	110.73 21.81	17.18
33 42 11 00-1166	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	142.23 27.43	22.31
33 42 11 00-1167	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	164.10 32.51	26.37
33 42 11 00-1168	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	192.19 38.71	30.42
33 42 11 00-1169	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	214.45 42.67	34.48
33 42 11 00-1170		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1145)</small>		
33 42 11 00-1171	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	162.77 28.86	22.31
33 42 11 00-1172	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	188.07 34.11	26.37
33 42 11 00-1173	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	219.36 40.28	30.42
33 42 11 00-1174	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	245.18 44.59	34.48
33 42 11 00-1175	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	268.41 48.90	36.51
33 42 11 00-1176		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1144)</small>		
33 42 11 00-1177		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe- Arch <small>(33 42 11 00-1176)</small>		
33 42 11 00-1178	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	206.74 64.09	34.48
33 42 11 00-1179	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	225.93 70.13	36.51
33 42 11 00-1180	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	279.69 88.08	44.63
33 42 11 00-1181	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	335.24 94.43	64.90
33 42 11 00-1182	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	362.73 101.10	70.99
33 42 11 00-1183	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	387.48 107.79	76.06
33 42 11 00-1184	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	412.17 114.46	81.13
33 42 11 00-1185	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	437.64 121.14	86.20

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1186		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1176)</small>		
33 42 11 00-1187	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	271.55	36.51
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	79.69	
33 42 11 00-1188	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	330.27	44.63
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	97.40	
33 42 11 00-1189	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	390.31	64.90
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	104.76	
33 42 11 00-1190	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	422.20	70.99
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	112.37	
33 42 11 00-1191	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	451.45	76.06
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	120.03	
33 42 11 00-1192	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	480.64	81.13
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	127.67	
33 42 11 00-1193	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	510.50	86.20
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	135.28	
33 42 11 00-1194	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	543.31	91.27
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	142.96	
33 42 11 00-1195	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	578.36	101.42
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	150.59	
33 42 11 00-1196	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	614.93	111.55
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	159.00	
33 42 11 00-1197		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1176)</small>		
33 42 11 00-1198	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	441.45	64.90
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	113.39	
33 42 11 00-1199	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	477.59	70.99
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	121.83	
33 42 11 00-1200	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	511.02	76.06
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	130.28	
33 42 11 00-1201	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	544.32	81.13
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	138.69	
33 42 11 00-1202	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	581.23	86.20
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	148.13	
33 42 11 00-1203	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	615.40	91.27
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	155.58	
33 42 11 00-1204	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	654.68	101.42
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	164.03	
33 42 11 00-1205	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	695.05	111.55
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	173.01	
33 42 11 00-1206	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	739.16	121.69
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	183.83	
33 42 11 00-1207		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1144)</small>		
33 42 11 00-1208		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1207)</small>		
33 42 11 00-1209	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	395.48	64.90
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	103.10	
33 42 11 00-1210	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	426.91	70.99
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	110.27	
33 42 11 00-1211	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	455.39	76.06
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	117.37	
33 42 11 00-1212	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	483.84	81.13
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	124.45	
33 42 11 00-1213	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	513.15	86.20
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	131.58	
33 42 11 00-1214	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	545.58	91.27
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	138.84	
33 42 11 00-1215	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	580.25	101.42
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	146.07	
33 42 11 00-1216	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	619.22	111.55
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	155.11	
33 42 11 00-1217		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1207)</small>		
33 42 11 00-1218	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	452.12	64.90
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	114.36	
33 42 11 00-1219	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	488.08	70.99
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	122.52	
33 42 11 00-1220	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	521.14	76.06
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	130.63	
33 42 11 00-1221	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	554.33	81.13
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	138.79	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1222 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	587.51	86.20
For 1/2 Bituminous Coated And 40% Paved, Add	146.68	
33 42 11 00-1223 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	625.13	91.27
For 1/2 Bituminous Coated And 40% Paved, Add	155.17	
33 42 11 00-1224 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	664.51	101.42
For 1/2 Bituminous Coated And 40% Paved, Add	163.44	
33 42 11 00-1225 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	708.13	111.55
For 1/2 Bituminous Coated And 40% Paved, Add	173.35	
33 42 11 00-1226 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	748.92	121.69
For 1/2 Bituminous Coated And 40% Paved, Add	182.72	
33 42 11 00-1227 Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-0455)		
33 42 11 00-1228 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1227)		
33 42 11 00-1229 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1228)		
33 42 11 00-1230 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	22.48	5.72
For Bituminous Coated Pipe, Add	2.12	
33 42 11 00-1231 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	28.88	7.16
For Bituminous Coated Pipe, Add	2.88	
33 42 11 00-1232 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	37.36	8.59
For Bituminous Coated Pipe, Add	3.79	
33 42 11 00-1233 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1228)		
33 42 11 00-1234 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	24.92	5.72
For Bituminous Coated Pipe, Add	2.10	
33 42 11 00-1235 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	32.32	7.16
For Bituminous Coated Pipe, Add	2.88	
33 42 11 00-1236 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	41.95	8.59
For Bituminous Coated Pipe, Add	3.80	
33 42 11 00-1237 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1227)		
33 42 11 00-1238 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1237)		
33 42 11 00-1239 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	43.37	10.02
For Bituminous Coated Pipe, Add	4.17	
33 42 11 00-1240 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	49.84	10.50
For Bituminous Coated Pipe, Add	5.23	
33 42 11 00-1241 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	56.72	11.45
For Bituminous Coated Pipe, Add	6.36	
33 42 11 00-1242 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	65.14	12.41
For Bituminous Coated Pipe, Add	7.59	
33 42 11 00-1243 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	72.70	13.36
For Bituminous Coated Pipe, Add	8.61	
33 42 11 00-1244 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1237)		
33 42 11 00-1245 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	48.58	10.02
For Bituminous Coated Pipe, Add	4.08	
33 42 11 00-1246 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	56.48	10.50
For Bituminous Coated Pipe, Add	5.13	
33 42 11 00-1247 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	64.68	11.45
For Bituminous Coated Pipe, Add	6.22	
33 42 11 00-1248 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	74.37	12.41
For Bituminous Coated Pipe, Add	7.39	
33 42 11 00-1249 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	83.30	13.36
For Bituminous Coated Pipe, Add	8.40	
33 42 11 00-1250 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	108.45	17.18
For Bituminous Coated Pipe, Add	10.76	
33 42 11 00-1251 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	138.34	22.31
For Bituminous Coated Pipe, Add	13.38	
33 42 11 00-1252 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1237)		
33 42 11 00-1253 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	103.54	13.36
For Bituminous Coated Pipe, Add	7.97	
33 42 11 00-1254 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	133.66	17.18
For Bituminous Coated Pipe, Add	10.14	
33 42 11 00-1255 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	168.62	22.31
For Bituminous Coated Pipe, Add	12.49	
33 42 11 00-1256 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	194.28	26.37
For Bituminous Coated Pipe, Add	14.69	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1257 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	219.73	30.42
<i>For Bituminous Coated Pipe, Add</i>	16.63	
33 42 11 00-1258 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	258.37	34.48
<i>For Bituminous Coated Pipe, Add</i>	19.73	
33 42 11 00-1259 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1237)</small>		
33 42 11 00-1260 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	200.89	22.31
<i>For Bituminous Coated Pipe, Add</i>	12.29	
33 42 11 00-1261 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	231.87	26.37
<i>For Bituminous Coated Pipe, Add</i>	14.42	
33 42 11 00-1262 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	262.81	30.42
<i>For Bituminous Coated Pipe, Add</i>	16.36	
33 42 11 00-1263 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	306.84	34.48
<i>For Bituminous Coated Pipe, Add</i>	19.20	
33 42 11 00-1264 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	337.31	36.51
<i>For Bituminous Coated Pipe, Add</i>	21.16	
33 42 11 00-1265 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1227)</small>		
33 42 11 00-1266 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1265)</small>		
33 42 11 00-1267 LF 30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	106.81	17.18
33 42 11 00-1268 LF 36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	136.28	22.31
33 42 11 00-1269 LF 42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	155.89	26.37
33 42 11 00-1270 LF 48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	176.53	30.42
33 42 11 00-1271 LF 54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	208.34	34.48
33 42 11 00-1272 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1265)</small>		
33 42 11 00-1273 LF 30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	120.08	17.18
33 42 11 00-1274 LF 36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	155.23	22.31
33 42 11 00-1275 LF 42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	177.88	26.37
33 42 11 00-1276 LF 48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	200.53	30.42
33 42 11 00-1277 LF 54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	236.45	34.48
33 42 11 00-1278 LF 60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	258.52	36.51
33 42 11 00-1279 LF 66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	314.39	44.63
33 42 11 00-1280 LF 72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	372.34	64.90
33 42 11 00-1281 LF 78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	401.54	70.99
33 42 11 00-1282 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1265)</small>		
33 42 11 00-1283 LF 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	151.08	17.18
33 42 11 00-1284 LF 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	190.09	22.31
33 42 11 00-1285 LF 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	219.53	26.37
33 42 11 00-1286 LF 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	248.31	30.42
33 42 11 00-1287 LF 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	290.08	34.48
33 42 11 00-1288 LF 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	317.91	36.51
33 42 11 00-1289 LF 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	379.53	44.63
33 42 11 00-1290 LF 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	443.37	64.90
33 42 11 00-1291 LF 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	478.38	70.99
33 42 11 00-1292 LF 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	510.72	76.06
33 42 11 00-1293 LF 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	542.96	81.13
33 42 11 00-1294 LF 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	575.94	86.20
33 42 11 00-1295 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1265)</small>		
33 42 11 00-1296 LF 60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	380.38	36.51
33 42 11 00-1297 LF 66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	445.61	44.63
33 42 11 00-1298 LF 72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	515.38	64.90
33 42 11 00-1299 LF 78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	556.33	70.99
33 42 11 00-1300 LF 84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	594.50	76.06
33 42 11 00-1301 LF 90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	632.66	81.13
33 42 11 00-1302 LF 96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	671.53	86.20
33 42 11 00-1303 LF 102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	713.32	91.27
33 42 11 00-1304 LF 108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	757.36	101.42
33 42 11 00-1305 Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1227)</small>		
Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1306 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1305)</small>		
33 42 11 00-1307 LF 18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	74.60	11.45



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1308 LF 21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	80.23	12.41
33 42 11 00-1309 LF 24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	96.46	13.36
33 42 11 00-1310 LF 27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	111.38	15.27
33 42 11 00-1311 LF 30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	124.99	17.18
33 42 11 00-1312 LF 33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	139.24	19.09
33 42 11 00-1313 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel		
Piping <small>(33 42 11 00-1305)</small>		
33 42 11 00-1314 LF 18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	85.83	11.45
33 42 11 00-1315 LF 21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	99.07	12.41
33 42 11 00-1316 LF 24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	111.56	13.36
33 42 11 00-1317 LF 27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	128.33	15.27
33 42 11 00-1318 LF 30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	143.79	17.18
33 42 11 00-1319 LF 33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	159.96	19.09
33 42 11 00-1320 LF 36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	181.01	22.31
33 42 11 00-1321 LF 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	208.72	26.37
33 42 11 00-1322 LF 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	236.17	30.42
33 42 11 00-1323 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel		
Piping <small>(33 42 11 00-1305)</small>		
33 42 11 00-1324 LF 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	180.56	17.18
33 42 11 00-1325 LF 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	200.31	19.09
33 42 11 00-1326 LF 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	225.10	22.31
33 42 11 00-1327 LF 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	260.20	26.37
33 42 11 00-1328 LF 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	295.01	30.42
33 42 11 00-1329 LF 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	406.95	34.48
33 42 11 00-1330 LF 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	447.83	36.51
33 42 11 00-1331 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel		
Piping <small>(33 42 11 00-1305)</small>		
33 42 11 00-1332 LF 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	414.89	30.42
33 42 11 00-1333 LF 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	480.86	34.48
33 42 11 00-1334 LF 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	530.04	36.51
33 42 11 00-1335 LF 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	616.03	44.63
33 42 11 00-1336 LF 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	699.97	64.90
33 42 11 00-1337 LF 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	755.75	70.99
33 42 11 00-1338 LF 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	808.30	76.06
33 42 11 00-1339 Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-0455)</small>		
33 42 11 00-1340 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1339)</small>		
33 42 11 00-1341 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
<small>(33 42 11 00-1340)</small>		
33 42 11 00-1342 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	52.21	10.50
<i>For Bituminous Coated Pipe, Add</i>	5.24	
33 42 11 00-1343 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	58.97	11.45
<i>For Bituminous Coated Pipe, Add</i>	6.26	
33 42 11 00-1344 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	67.70	12.41
<i>For Bituminous Coated Pipe, Add</i>	7.45	
33 42 11 00-1345 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
<small>(33 42 11 00-1340)</small>		
33 42 11 00-1346 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	58.87	10.50
<i>For Bituminous Coated Pipe, Add</i>	5.22	
33 42 11 00-1347 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	65.36	11.45
<i>For Bituminous Coated Pipe, Add</i>	6.02	
33 42 11 00-1348 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	76.93	12.41
<i>For Bituminous Coated Pipe, Add</i>	7.39	
33 42 11 00-1349 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	86.76	13.36
<i>For Bituminous Coated Pipe, Add</i>	8.48	
33 42 11 00-1350 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	111.91	17.18
<i>For Bituminous Coated Pipe, Add</i>	10.73	
33 42 11 00-1351 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
<small>(33 42 11 00-1340)</small>		
33 42 11 00-1352 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	107.03	13.36
<i>For Bituminous Coated Pipe, Add</i>	8.09	
33 42 11 00-1353 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	137.18	17.18
<i>For Bituminous Coated Pipe, Add</i>	10.19	
33 42 11 00-1354 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	174.56	22.31
<i>For Bituminous Coated Pipe, Add</i>	12.72	
33 42 11 00-1355 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	202.11	26.37
<i>For Bituminous Coated Pipe, Add</i>	15.05	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1356 20 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1340)</small>		
33 42 11 00-1357 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	206.79 12.28	22.31
33 42 11 00-1358 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	239.76 14.49	26.37
33 42 11 00-1359 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	278.66 16.97	30.42
33 42 11 00-1360 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	312.05 18.88	34.48
33 42 11 00-1361 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1339)</small>		
33 42 11 00-1362 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1361)</small>		
33 42 11 00-1363 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	241.66	34.48
33 42 11 00-1364 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	264.58	36.51
33 42 11 00-1365 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	321.88	44.63
33 42 11 00-1366 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1361)</small>		
33 42 11 00-1367 LF 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	295.29	34.48
33 42 11 00-1368 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	323.97	36.51
33 42 11 00-1369 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	386.75	44.63
33 42 11 00-1370 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	451.14	64.90
33 42 11 00-1371 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	486.70	70.99
33 42 11 00-1372 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	519.58	76.06
33 42 11 00-1373 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1361)</small>		
33 42 11 00-1374 LF 66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	386.34	36.51
33 42 11 00-1375 LF 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	452.56	44.63
33 42 11 00-1376 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	522.87	64.90
33 42 11 00-1377 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	564.36	70.99
33 42 11 00-1378 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	603.08	76.06
33 42 11 00-1379 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	641.77	81.13
33 42 11 00-1380 Corrugated Steel Pipe Fittings <small>(33 42 11 00-0455)</small>		
Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1381 Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings <small>(33 42 11 00-1380)</small>		
Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1382 EA Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	87.90	
33 42 11 00-1383 EA Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	110.24	
33 42 11 00-1384 EA Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	132.57	
33 42 11 00-1385 EA Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	156.30	
33 42 11 00-1386 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	189.78	
33 42 11 00-1387 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	223.26	
33 42 11 00-1388 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	256.76	
33 42 11 00-1389 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	290.23	
33 42 11 00-1390 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	378.16	
33 42 11 00-1391 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	450.70	
33 42 11 00-1392 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	523.28	
33 42 11 00-1393 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	676.77	
33 42 11 00-1394 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	763.29	
33 42 11 00-1395 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	852.60	
33 42 11 00-1396 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	944.69	
33 42 11 00-1397 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,151.21	
33 42 11 00-1398 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,255.86	
33 42 11 00-1399 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,363.30	
33 42 11 00-1400 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,673.08	
33 42 11 00-1401 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,795.89	



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1402 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,920.08	
33 42 11 00-1403 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,044.26	
33 42 11 00-1404 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,167.05	
33 42 11 00-1405 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,291.25	
33 42 11 00-1406 EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,422.19	
33 42 11 00-1407 EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,560.61	
33 42 11 00-1408 EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,706.91	

33 42 11 00-1409

Fabricate Corrugated Steel Pipe Tees Or Laterals (33 42 11 00-1380)

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1410 EA Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	114.43	
33 42 11 00-1411 EA Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	146.52	
33 42 11 00-1412 EA Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	178.59	
33 42 11 00-1413 EA Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	210.71	
33 42 11 00-1414 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	256.76	
33 42 11 00-1415 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	304.18	
33 42 11 00-1416 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	351.65	
33 42 11 00-1417 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	399.06	
33 42 11 00-1418 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	523.28	
33 42 11 00-1419 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	623.75	
33 42 11 00-1420 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	725.60	
33 42 11 00-1421 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	941.88	
33 42 11 00-1422 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,060.50	
33 42 11 00-1423 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,183.28	
33 42 11 00-1424 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,308.88	
33 42 11 00-1425 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,596.32	
33 42 11 00-1426 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,738.67	
33 42 11 00-1427 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,883.79	
33 42 11 00-1428 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,317.74	
33 42 11 00-1429 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,483.80	
33 42 11 00-1430 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,649.86	
33 42 11 00-1431 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,817.28	
33 42 11 00-1432 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,984.74	
33 42 11 00-1433 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	3,150.78	
33 42 11 00-1434 EA Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	3,326.06	
33 42 11 00-1435 EA Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,511.09	
33 42 11 00-1436 EA Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,706.40	

33 42 11 00-1437

Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1380)

Note: Applied to pipe tasks.

33 42 11 00-1438 EA Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	43.74	
33 42 11 00-1439 EA Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	55.02	
33 42 11 00-1440 EA Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	69.21	
33 42 11 00-1441 EA Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	84.75	
33 42 11 00-1442 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	107.24	
33 42 11 00-1443 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	131.31	
33 42 11 00-1444 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	153.82	
33 42 11 00-1445 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	178.71	
33 42 11 00-1446 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	219.49	
33 42 11 00-1447 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	261.70	
33 42 11 00-1448 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	312.26	
33 42 11 00-1449 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	384.11	
33 42 11 00-1450 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	434.77	
33 42 11 00-1451 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	489.62	
33 42 11 00-1452 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	593.76	
33 42 11 00-1453 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	658.46	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1454 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	803.39	
33 42 11 00-1455 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	875.17	
33 42 11 00-1456 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	951.18	
33 42 11 00-1457 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,025.69	
33 42 11 00-1458 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,101.67	
33 42 11 00-1459 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,179.04	
33 42 11 00-1460 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,255.05	
33 42 11 00-1461 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,331.01	
33 42 11 00-1462 EA Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,411.57	
33 42 11 00-1463 EA Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,496.99	
33 42 11 00-1464 EA Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,587.59	
33 42 11 00-1465 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1380)		
33 42 11 00-1466 EA 6" Coupling Band, Corrugated Metal Pipe Fitting.....	12.14	
For Bituminous Coated, Add	3.52	
33 42 11 00-1467 EA 8" Coupling Band, Corrugated Metal Pipe Fitting.....	16.11	
For Bituminous Coated, Add	4.67	
33 42 11 00-1468 EA 10" Coupling Band, Corrugated Metal Pipe Fitting.....	20.30	
For Bituminous Coated, Add	5.89	
33 42 11 00-1469 EA 12" Coupling Band, Corrugated Metal Pipe Fitting.....	33.69	
For Bituminous Coated, Add	9.77	
33 42 11 00-1470 EA 15" Coupling Band, Corrugated Metal Pipe Fitting.....	42.48	
For Bituminous Coated, Add	12.32	
33 42 11 00-1471 EA 18" Coupling Band, Corrugated Metal Pipe Fitting.....	62.33	
For Bituminous Coated, Add	18.08	
33 42 11 00-1472 EA 21" Coupling Band, Corrugated Metal Pipe Fitting.....	73.98	
For Bituminous Coated, Add	21.45	
33 42 11 00-1473 EA 24" Coupling Band, Corrugated Metal Pipe Fitting.....	83.88	
For Bituminous Coated, Add	24.33	
33 42 11 00-1474 EA 30" Coupling Band, Corrugated Metal Pipe Fitting.....	145.17	
For Bituminous Coated, Add	42.10	
33 42 11 00-1475 EA 36" Coupling Band, Corrugated Metal Pipe Fitting.....	232.26	
For Bituminous Coated, Add	55.74	
33 42 11 00-1476 EA 42" Coupling Band, Corrugated Metal Pipe Fitting.....	272.89	
For Bituminous Coated, Add	65.49	
33 42 11 00-1477 EA 48" Coupling Band, Corrugated Metal Pipe Fitting.....	305.78	
For Bituminous Coated, Add	73.39	
33 42 11 00-1478 EA 54" Coupling Band, Corrugated Metal Pipe Fitting.....	433.65	
For Bituminous Coated, Add	104.08	
33 42 11 00-1479 EA 60" Coupling Band, Corrugated Metal Pipe Fitting.....	620.25	
For Bituminous Coated, Add	111.65	
33 42 11 00-1480 EA 66" Coupling Band, Corrugated Metal Pipe Fitting.....	762.28	
For Bituminous Coated, Add	137.21	
33 42 11 00-1481 EA 72" Coupling Band, Corrugated Metal Pipe Fitting.....	979.19	
For Bituminous Coated, Add	137.09	
33 42 11 00-1482 EA 78" Coupling Band, Corrugated Metal Pipe Fitting.....	1,047.31	
For Bituminous Coated, Add	146.62	
33 42 11 00-1483 EA 84" Coupling Band, Corrugated Metal Pipe Fitting.....	1,115.81	
For Bituminous Coated, Add	156.21	
33 42 11 00-1484 EA 90" Coupling Band, Corrugated Metal Pipe Fitting.....	1,183.97	
For Bituminous Coated, Add	165.76	
33 42 11 00-1485 EA 96" Coupling Band, Corrugated Metal Pipe Fitting.....	1,252.30	
For Bituminous Coated, Add	175.32	
33 42 11 00-1486 EA 102" Coupling Band, Corrugated Metal Pipe Fitting.....	1,320.80	
For Bituminous Coated, Add	184.91	
33 42 11 00-1487 EA 108" Coupling Band, Corrugated Metal Pipe Fitting.....	1,388.99	
For Bituminous Coated, Add	194.46	
33 42 11 00-1488 EA 114" Coupling Band, Corrugated Metal Pipe Fitting.....	1,645.10	
For Bituminous Coated, Add	197.41	
33 42 11 00-1489 EA 120" Coupling Band, Corrugated Metal Pipe Fitting.....	1,525.26	
For Bituminous Coated, Add	183.03	
33 42 11 00-1490 EA 126" Coupling Band, Corrugated Metal Pipe Fitting.....	1,593.24	
For Bituminous Coated, Add	191.19	
33 42 11 00-1491 EA 132" Coupling Band, Corrugated Metal Pipe Fitting.....	1,661.71	
For Bituminous Coated, Add	199.41	
33 42 11 00-1492 EA 138" Coupling Band, Corrugated Metal Pipe Fitting.....	1,730.24	
For Bituminous Coated, Add	207.63	
33 42 13 Stormwater Culverts (33 42)		
33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)		
33 42 13 13-0001 Precast Reinforced Concrete Box Culvert (33 42 13 13)		
Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0853 for crane lifting equipment.		
33 42 13 13-0002 LF 3' x 3' Precast Reinforced Concrete Box Culvert.....	401.65	50.71
For Each LF Of Cut-Off Section, Add	16.07	
33 42 13 13-0003 LF 4' x 2' Precast Reinforced Concrete Box Culvert.....	451.99	50.71
For Each LF Of Cut-Off Section, Add	18.08	



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

CS

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0004 LF 4' x 3' Precast Reinforced Concrete Box Culvert	533.30	50.71
For Each LF Of Cut-Off Section, Add	21.33	
33 42 13 13-0005 LF 5' x 3' Precast Reinforced Concrete Box Culvert	640.49	63.38
For Each LF Of Cut-Off Section, Add	25.62	
33 42 13 13-0006 LF 5' x 4' Precast Reinforced Concrete Box Culvert	655.98	63.38
For Each LF Of Cut-Off Section, Add	26.24	
33 42 13 13-0007 LF 5' x 5' Precast Reinforced Concrete Box Culvert	663.73	63.38
For Each LF Of Cut-Off Section, Add	26.55	
33 42 13 13-0008 LF 6' x 3' Precast Reinforced Concrete Box Culvert	684.39	65.92
For Each LF Of Cut-Off Section, Add	27.38	
33 42 13 13-0009 LF 6' x 4' Precast Reinforced Concrete Box Culvert	688.27	65.92
For Each LF Of Cut-Off Section, Add	27.53	
33 42 13 13-0010 LF 6' x 6' Precast Reinforced Concrete Box Culvert	757.96	65.92
For Each LF Of Cut-Off Section, Add	30.32	
33 42 13 13-0011 LF 7' x 4' Precast Reinforced Concrete Box Culvert	778.66	76.06
For Each LF Of Cut-Off Section, Add	31.15	
33 42 13 13-0012 LF 7' x 6' Precast Reinforced Concrete Box Culvert	834.55	103.44
For Each LF Of Cut-Off Section, Add	33.38	
33 42 13 13-0013 LF 8' x 2' Precast Reinforced Concrete Box Culvert	761.83	65.92
For Each LF Of Cut-Off Section, Add	30.47	
33 42 13 13-0014 LF 8' x 3' Precast Reinforced Concrete Box Culvert	782.53	76.06
For Each LF Of Cut-Off Section, Add	31.30	
33 42 13 13-0015 LF 8' x 4' Precast Reinforced Concrete Box Culvert	794.15	76.06
For Each LF Of Cut-Off Section, Add	31.77	
33 42 13 13-0016 LF 8' x 5' Precast Reinforced Concrete Box Culvert	958.96	101.42
For Each LF Of Cut-Off Section, Add	38.36	
33 42 13 13-0017 LF 8' x 6' Precast Reinforced Concrete Box Culvert	962.06	101.42
For Each LF Of Cut-Off Section, Add	38.48	
33 42 13 13-0018 LF 8' x 8' Precast Reinforced Concrete Box Culvert	1,065.71	126.76
For Each LF Of Cut-Off Section, Add	42.63	
33 42 13 13-0019 LF 9' x 4' Precast Reinforced Concrete Box Culvert	1,058.86	101.42
For Each LF Of Cut-Off Section, Add	42.35	
33 42 13 13-0020 LF 9' x 6' Precast Reinforced Concrete Box Culvert	1,122.25	126.76
For Each LF Of Cut-Off Section, Add	44.89	
33 42 13 13-0021 LF 10' x 3' Precast Reinforced Concrete Box Culvert	1,126.12	126.76
For Each LF Of Cut-Off Section, Add	45.04	
33 42 13 13-0022 LF 10' x 4' Precast Reinforced Concrete Box Culvert	1,366.18	126.76
For Each LF Of Cut-Off Section, Add	54.65	
33 42 13 13-0023 LF 10' x 5' Precast Reinforced Concrete Box Culvert	1,433.42	152.12
For Each LF Of Cut-Off Section, Add	57.34	
33 42 13 13-0024 LF 10' x 6' Precast Reinforced Concrete Box Culvert	1,448.91	152.12
For Each LF Of Cut-Off Section, Add	57.96	
33 42 13 13-0025 LF 10' x 7' Precast Reinforced Concrete Box Culvert	1,452.78	152.12
For Each LF Of Cut-Off Section, Add	58.11	
33 42 13 13-0026 LF 10' x 8' Precast Reinforced Concrete Box Culvert	1,458.20	152.12
For Each LF Of Cut-Off Section, Add	58.33	
33 42 13 13-0027 LF 12' x 3' Precast Reinforced Concrete Box Culvert	1,516.16	177.47
For Each LF Of Cut-Off Section, Add	60.65	
33 42 13 13-0028 LF 12' x 4' Precast Reinforced Concrete Box Culvert	1,516.16	177.47
For Each LF Of Cut-Off Section, Add	60.65	
33 42 13 13-0029 LF 12' x 6' Precast Reinforced Concrete Box Culvert	1,516.16	177.47
For Each LF Of Cut-Off Section, Add	60.65	
33 42 13 13-0030 LF 12' x 8' Precast Reinforced Concrete Box Culvert	1,516.16	177.47
For Each LF Of Cut-Off Section, Add	60.65	
33 42 13 13-0031 LF 16' x 10' Precast Reinforced Concrete Box Culvert	2,202.91	202.82
For Each LF Of Cut-Off Section, Add	88.12	
33 42 13 13-0032 LF 24' x 10' Precast Reinforced Concrete Box Culvert	3,054.75	202.82
For Each LF Of Cut-Off Section, Add	122.19	

33 42 13 13-0033

Precast Reinforced Concrete Box Culvert For Roadways (33 42 13 13)

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0853 for crane lifting equipment.

33 42 13 13-0034 LF 3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	994.46	50.71
For Each LF Of Cut-Off Section, Add	39.78	
33 42 13 13-0035 LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,068.84	50.71
For Each LF Of Cut-Off Section, Add	42.75	
33 42 13 13-0036 LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,200.48	50.71
For Each LF Of Cut-Off Section, Add	48.02	
33 42 13 13-0037 LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,357.97	63.38
For Each LF Of Cut-Off Section, Add	54.32	
33 42 13 13-0038 LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,489.61	63.38
For Each LF Of Cut-Off Section, Add	59.58	
33 42 13 13-0039 LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,621.25	63.38
For Each LF Of Cut-Off Section, Add	64.85	
33 42 13 13-0040 LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,494.79	65.92
For Each LF Of Cut-Off Section, Add	59.79	
33 42 13 13-0041 LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,626.43	65.92
For Each LF Of Cut-Off Section, Add	65.06	
33 42 13 13-0042 LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,889.71	65.92
For Each LF Of Cut-Off Section, Add	75.59	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0043 LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,778.77	76.06
For Each LF Of Cut-Off Section, Add	71.15	
33 42 13 13-0044 LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,097.91	103.44
For Each LF Of Cut-Off Section, Add	83.92	
33 42 13 13-0045 LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,626.43	65.92
For Each LF Of Cut-Off Section, Add	65.06	
33 42 13 13-0046 LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,778.77	76.06
For Each LF Of Cut-Off Section, Add	71.15	
33 42 13 13-0047 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,910.41	76.06
For Each LF Of Cut-Off Section, Add	76.42	
33 42 13 13-0048 LF 8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,093.77	101.42
For Each LF Of Cut-Off Section, Add	83.75	
33 42 13 13-0049 LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,225.41	101.42
For Each LF Of Cut-Off Section, Add	89.02	
33 42 13 13-0050 LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,540.46	126.76
For Each LF Of Cut-Off Section, Add	101.62	
33 42 13 13-0051 LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,246.95	101.42
For Each LF Of Cut-Off Section, Add	89.88	
33 42 13 13-0052 LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,580.08	126.76
For Each LF Of Cut-Off Section, Add	103.20	
33 42 13 13-0053 LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,551.43	126.76
For Each LF Of Cut-Off Section, Add	102.06	
33 42 13 13-0054 LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,707.74	126.76
For Each LF Of Cut-Off Section, Add	108.31	
33 42 13 13-0055 LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,915.80	152.12
For Each LF Of Cut-Off Section, Add	116.63	
33 42 13 13-0056 LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,072.11	152.12
For Each LF Of Cut-Off Section, Add	122.88	
33 42 13 13-0057 LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,228.45	152.12
For Each LF Of Cut-Off Section, Add	129.14	
33 42 13 13-0058 LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,384.76	152.12
For Each LF Of Cut-Off Section, Add	135.39	
33 42 13 13-0059 LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,383.33	177.47
For Each LF Of Cut-Off Section, Add	135.33	
33 42 13 13-0060 LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,561.01	177.47
For Each LF Of Cut-Off Section, Add	142.44	
33 42 13 13-0061 LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,916.42	177.47
For Each LF Of Cut-Off Section, Add	156.66	
33 42 13 13-0062 LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	4,271.84	177.47
For Each LF Of Cut-Off Section, Add	170.87	
33 42 13 13-0063 LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	5,113.40	202.82
For Each LF Of Cut-Off Section, Add	204.54	
33 42 13 13-0064 LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	6,456.07	202.82
For Each LF Of Cut-Off Section, Add	258.24	

33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)**33 42 23 00-0001 Headwalls (33 42 23)**

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Cast In Place Concrete Headwalls (33 42 23 00-0001)

Note: Includes concrete, forms, rebar (where required), finish and curing.

33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall (33 42 23 00-0002)

Note: Sized by pipe diameter.

33 42 23 00-0004 EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,600.43	676.76
33 42 23 00-0005 EA 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,012.82	721.88
33 42 23 00-0006 EA 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,636.32	945.57
33 42 23 00-0007 EA 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,147.59	1,353.53
33 42 23 00-0008 EA 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	5,776.51	1,804.70
33 42 23 00-0009 EA 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	6,881.34	2,378.80
33 42 23 00-0010 EA 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	9,416.39	3,281.24
33 42 23 00-0011 EA 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	11,200.99	3,867.17
33 42 23 00-0012 EA 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	13,466.36	4,707.96
33 42 23 00-0013 EA 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	16,138.85	5,699.04

33 42 23 00-0014 Precast Concrete Headwalls (33 42 23 00-0001)

33 42 23 00-0015 EA 12" Pipe, Precast Concrete Headwall	925.21	171.81
33 42 23 00-0016 EA 15" Pipe, Precast Concrete Headwall	953.85	181.36
33 42 23 00-0017 EA 18" Pipe, Precast Concrete Headwall	1,048.52	206.18
33 42 23 00-0018 EA 24" Pipe, Precast Concrete Headwall	1,160.51	219.54
33 42 23 00-0019 EA 30" Pipe, Precast Concrete Headwall	1,579.01	257.72
33 42 23 00-0020 EA 36" Pipe, Precast Concrete Headwall	1,768.37	267.27
33 42 23 00-0021 EA 42" Pipe, Precast Concrete Headwall	2,334.23	312.95
33 42 23 00-0022 EA 48" Pipe, Precast Concrete Headwall	2,582.87	344.81
33 42 23 00-0023 EA 54" Pipe, Precast Concrete Headwall	2,855.12	365.08
33 42 23 00-0024 EA 60" Pipe, Precast Concrete Headwall	3,248.28	365.08
33 42 23 00-0025 EA 72" Pipe, Precast Concrete Headwall	3,953.47	456.36
33 42 23 00-0026 EA 84" Pipe, Precast Concrete Headwall	5,646.25	547.63

33 42 23 00-0027 Precast Concrete Wingwalls (33 42 23 00-0001)



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0028 EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall.....	5,672.25	1,807.17
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0029 EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall.....	5,976.48	2,007.97
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0030 EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall.....	6,483.55	2,342.63
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0031 EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall.....	6,990.62	2,677.28
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0032 EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall.....	6,990.62	2,677.28
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0033 EA 44" ID Pipe (58" Hole) Precast Concrete Wingwall.....	7,193.44	2,811.15
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0034 EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall.....	13,102.08	2,878.08
Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0035 EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall.....	13,406.32	3,078.88
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0036 Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)		
33 42 23 00-0037 EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate.....	4,107.27	709.89
33 42 26 End Sections for Stormwater Piping (33 42)		
33 42 26 16 Corrugated Metal End Sections for Stormwater Piping (33 42 26)		
33 42 26 16-0001 Corrugated Metal Pipe End Sections (33 42 26 16)		
33 42 26 16-0002 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)		
33 42 26 16-0003 Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004 EA 12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	256.61	66.81
33 42 26 16-0005 EA 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	297.00	71.59
33 42 26 16-0006 EA 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	345.75	76.36
33 42 26 16-0007 EA 21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	417.47	83.52
33 42 26 16-0008 EA 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	462.21	90.68
33 42 26 16-0009 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010 EA 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	739.22	102.61
33 42 26 16-0011 EA 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	957.99	121.69
33 42 26 16-0012 EA 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,463.38	141.98
33 42 26 16-0013 EA 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,786.19	162.26
33 42 26 16-0014 EA 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	2,129.09	202.82
33 42 26 16-0015 EA 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	2,487.31	243.39
33 42 26 16-0016 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017 EA 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	267.60	66.81
33 42 26 16-0018 EA 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	308.30	71.59
33 42 26 16-0019 EA 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	363.12	76.36
33 42 26 16-0020 EA 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	438.33	83.52
33 42 26 16-0021 EA 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	485.85	90.68
33 42 26 16-0022 EA 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	811.84	102.61
33 42 26 16-0023 EA 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,047.11	121.69
33 42 26 16-0024 EA 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,660.28	141.98
33 42 26 16-0025 EA 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,040.29	162.26
33 42 26 16-0026 EA 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,386.04	202.82
33 42 26 16-0027 EA 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,301.14	243.39
33 42 26 16-0028 EA 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,759.01	365.08
33 42 26 16-0029 EA 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,407.17	486.78
33 42 26 16-0030 EA 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,799.49	522.28
33 42 26 16-0031 EA 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	5,201.20	557.76
33 42 26 16-0032 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 42 26 16-0002)		
33 42 26 16-0033 EA Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section.....	33.13	
33 42 26 16-0034 EA Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section.....	36.87	
33 42 26 16-0035 EA Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section.....	41.44	
33 42 26 16-0036 EA Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section.....	45.05	
33 42 26 16-0037 EA Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section.....	50.39	
33 42 26 16-0038 EA Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section.....	87.60	
33 42 26 16-0039 EA Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section.....	94.27	
33 42 26 16-0040 EA Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section.....	128.70	
33 42 26 16-0041 EA Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section.....	137.87	
33 42 26 16-0042 EA Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section.....	168.21	
33 42 26 16-0043 EA Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section.....	172.47	
33 42 26 16-0044 EA Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section.....	184.43	
33 42 26 16-0045 EA Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section.....	210.82	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0046 EA Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section.....	235.72	
33 42 26 16-0047 EA 84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	241.74	
33 42 26 16-0048 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0001)		
33 42 26 16-0049 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)		
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050 EA 17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	297.00	71.59
33 42 26 16-0051 EA 21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	345.75	76.36
33 42 26 16-0052 EA 24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	417.47	83.52
33 42 26 16-0053 EA 28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	462.21	90.68
33 42 26 16-0054 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)		
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055 EA 17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	287.51	71.59
33 42 26 16-0056 EA 21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	328.21	76.36
33 42 26 16-0057 EA 24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	367.25	83.52
33 42 26 16-0058 EA 28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	414.25	90.68
33 42 26 16-0059 EA 35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	602.49	102.61
33 42 26 16-0060 EA 42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	874.77	121.69
33 42 26 16-0061 EA 49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,355.29	141.98
33 42 26 16-0062 EA 57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,714.17	162.26
33 42 26 16-0063 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)		
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064 EA 17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	292.32	71.59
33 42 26 16-0065 EA 21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	338.67	76.36
33 42 26 16-0066 EA 24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	383.60	83.52
33 42 26 16-0067 EA 28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	433.64	90.68
33 42 26 16-0068 EA 35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	635.45	102.61
33 42 26 16-0069 EA 42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	919.73	121.69
33 42 26 16-0070 EA 49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,427.21	141.98
33 42 26 16-0071 EA 57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,796.94	162.26
33 42 26 16-0072 EA 64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	2,163.10	202.82
33 42 26 16-0073 EA 71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	2,840.41	243.39
33 42 26 16-0074 EA 77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	3,967.85	365.08
33 42 26 16-0075 EA 83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	4,404.40	486.78
33 42 26 16-0076 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section (33 42 26 16-0048)		
33 42 26 16-0077 EA Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section.....	36.87	
33 42 26 16-0078 EA Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section.....	41.44	
33 42 26 16-0079 EA Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section.....	45.05	
33 42 26 16-0080 EA Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section.....	50.39	
33 42 26 16-0081 EA Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section.....	87.60	
33 42 26 16-0082 EA Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section.....	94.27	
33 42 26 16-0083 EA Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section.....	128.70	
33 42 26 16-0084 EA Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section.....	143.31	
33 42 26 16-0085 EA Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section.....	168.21	
33 42 26 16-0086 EA Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section.....	174.64	
33 42 26 16-0087 EA Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section.....	202.08	
33 42 26 16-0088 EA Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section.....	230.25	
33 42 26 16-0089 Corrugated Aluminum Pipe End Sections (33 42 26 16-0001)		
33 42 26 16-0090 Corrugated Aluminum Pipe End Sections (33 42 26 16-0089)		
33 42 26 16-0091 EA 12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section.....	384.32	66.81
33 42 26 16-0092 EA 15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section.....	442.40	71.59
33 42 26 16-0093 EA 18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section.....	523.70	76.36
33 42 26 16-0094 EA 21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section.....	648.16	83.52
33 42 26 16-0095 EA 24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section.....	844.80	90.68
33 42 26 16-0096 EA 30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section.....	1,263.69	102.61
33 42 26 16-0097 EA 36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section.....	1,715.87	121.69
33 42 26 16-0098 EA 36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section.....	2,133.69	121.69
33 42 26 16-0099 EA 42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section.....	2,720.40	141.98
33 42 26 16-0100 EA 48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section.....	3,879.75	162.26
33 42 26 16-0101 EA 54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section.....	4,299.28	202.82
33 42 26 16-0102 EA 60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	5,792.46	243.39
33 42 26 16-0103 EA 66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	6,567.66	365.08
33 42 26 16-0104 EA 72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	7,686.23	486.78
33 42 26 16-0105 EA 78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	8,393.95	522.28
33 42 26 16-0106 EA 84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	8,857.67	557.76
33 42 26 16-0107 EA 90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	12,106.40	608.47
33 42 26 16-0108 EA 96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	13,401.17	659.18



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

33 42 26 16-0109	Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 26 16-0089)		
33 42 26 16-0110	EA Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	60.16	
33 42 26 16-0111	EA Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	63.76	
33 42 26 16-0112	EA Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	69.16	
33 42 26 16-0113	EA Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	77.82	
33 42 26 16-0114	EA Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	82.58	
33 42 26 16-0115	EA Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	107.00	
33 42 26 16-0116	EA Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	127.89	
33 42 26 16-0117	EA Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	134.87	
33 42 26 16-0118	EA Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	147.92	
33 42 26 16-0119	EA Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	167.21	
33 42 26 16-0120	EA Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	197.64	
33 42 26 16-0121	EA Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	275.77	
33 42 26 16-0122	EA Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	297.43	
33 42 26 16-0123	EA Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	377.69	
33 42 26 16-0124	EA Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	408.82	
33 42 26 16-0125	EA Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	435.65	
33 42 26 16-0126	EA Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	463.82	
33 42 26 16-0127	EA Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	492.36	

33 42 26 16-0128	Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)		
33 42 26 16-0129	Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0128)		
33 42 26 16-0130	EA 17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	455.91	71.59
33 42 26 16-0131	EA 21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	556.62	76.36
33 42 26 16-0132	EA 24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	604.50	83.52
33 42 26 16-0133	EA 28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	652.35	90.68
33 42 26 16-0134	EA 35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	975.01	102.61
33 42 26 16-0135	EA 42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,735.08	121.69
33 42 26 16-0136	EA 42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,841.01	121.69
33 42 26 16-0137	EA 49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	2,459.12	141.98
33 42 26 16-0138	EA 57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	3,778.00	162.26
33 42 26 16-0139	EA 64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	4,326.90	202.82
33 42 26 16-0140	EA 71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	5,231.46	243.39
33 42 26 16-0141	EA 77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	8,760.52	365.08
33 42 26 16-0142	EA 83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	9,202.80	486.78
33 42 26 16-0143	EA 87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	10,019.63	522.28
33 42 26 16-0144	EA 95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	10,458.95	557.76
33 42 26 16-0145	EA 103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	11,400.37	608.47
33 42 26 16-0146	EA 112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	12,078.43	659.18

33 42 26 16-0147	Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 26 16-0128)		
33 42 26 16-0148	EA Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	63.76	
33 42 26 16-0149	EA Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	69.16	
33 42 26 16-0150	EA Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	72.94	
33 42 26 16-0151	EA Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	79.89	
33 42 26 16-0152	EA Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	91.65	
33 42 26 16-0153	EA Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	119.07	
33 42 26 16-0154	EA Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	130.19	
33 42 26 16-0155	EA Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	147.92	
33 42 26 16-0156	EA Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	167.21	
33 42 26 16-0157	EA Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	197.64	
33 42 26 16-0158	EA Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	251.02	
33 42 26 16-0159	EA Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	318.15	
33 42 26 16-0160	EA Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	429.48	
33 42 26 16-0161	EA Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	487.67	
33 42 26 16-0162	EA Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	510.85	
33 42 26 16-0163	EA Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	529.81	
33 42 26 16-0164	EA Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	552.98	

33 42 26 16-0165	Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)		
33 42 26 16-0166	4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
33 42 26 16-0167	EA 15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	585.61	71.59
33 42 26 16-0168	EA 18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	753.24	76.36
33 42 26 16-0169	EA 21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	921.71	83.52
33 42 26 16-0170	EA 24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,102.12	90.68
33 42 26 16-0171	EA 30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,166.42	102.61
33 42 26 16-0172	EA 36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,523.59	121.69
33 42 26 16-0173	EA 42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	2,406.93	141.98

33 42 26 16-0174	3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
	Note: Includes nut and bolt set.		
33 42 26 16-0175	EA 3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section.....	416.52	
33 42 26 16-0176	EA 3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section.....	833.36	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0177 EA 3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section.....	914.51	
33 42 26 16-0178 EA 3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section.....	950.86	
33 42 26 16-0179 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
33 42 26 16-0180 EA 15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	613.04	71.59
33 42 26 16-0181 EA 18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	802.59	76.36
33 42 26 16-0182 EA 21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,066.93	83.52
33 42 26 16-0183 EA 24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,253.05	90.68
33 42 26 16-0184 EA 30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,486.81	102.61
33 42 26 16-0185 EA 36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,806.38	121.69
33 42 26 16-0186 EA 42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	2,760.76	141.98
33 42 26 16-0187 3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
Note: Includes nut and bolt set.		
33 42 26 16-0188 EA 3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section.....	809.72	
33 42 26 16-0189 EA 3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section.....	859.61	
33 42 26 16-0190 EA 3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section.....	945.53	
33 42 26 16-0191 EA 3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section.....	993.81	
33 42 26 16-0192 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 42 26 16-0165)		
33 42 26 16-0193 EA Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section.....	71.03	
33 42 26 16-0194 EA Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section.....	79.70	
33 42 26 16-0195 EA Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section.....	86.74	
33 42 26 16-0196 EA Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section.....	96.84	
33 42 26 16-0197 EA Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section.....	145.82	
33 42 26 16-0198 EA Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section.....	156.51	
33 42 26 16-0199 EA Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section.....	209.96	
33 42 26 16-0200 Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 42 26 16-0001)		
33 42 26 16-0201 4:1 Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)		
33 42 26 16-0202 EA 21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	695.45	76.36
33 42 26 16-0203 EA 24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	871.93	83.52
33 42 26 16-0204 EA 28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,031.62	90.68
33 42 26 16-0205 EA 35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,940.49	102.61
33 42 26 16-0206 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0200)		
Note: Includes nut and bolt set.		
33 42 26 16-0207 EA 3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section.....	496.03	
33 42 26 16-0208 EA 3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section.....	902.42	
33 42 26 16-0209 EA 3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section.....	950.86	
33 42 26 16-0210 EA 3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,398.81	
33 42 26 16-0211 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)		
33 42 26 16-0212 EA Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section.....	71.82	
33 42 26 16-0213 EA Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section.....	81.46	
33 42 26 16-0214 EA Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section.....	88.81	
33 42 26 16-0215 EA Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section.....	105.91	
33 42 26 19 Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping (33 42 26)		
33 42 26 19-0001 Corrugated High Density Polyethylene (HDPE) Pipe End Sections (33 42 26 19)		
33 42 26 19-0002 EA 4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	68.25	21.76
33 42 26 19-0003 EA 6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	129.55	32.66
33 42 26 19-0004 EA 8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	176.98	40.81
33 42 26 19-0005 EA 10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	278.43	65.30
33 42 26 19-0006 EA 12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	331.90	73.46
33 42 26 19-0007 EA 15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	352.03	78.91
33 42 26 19-0008 EA 18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	421.52	87.07
33 42 26 19-0009 EA 24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	547.42	103.39
33 42 26 19-0010 EA 30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	1,158.48	117.00
33 42 26 19-0011 EA 36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	1,416.82	130.60
33 42 26 23 Concrete End Sections for Stormwater Piping (33 42 26)		
33 42 26 23-0001 Precast Concrete End Sections (33 42 26 23)		



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23-0002 Precast Concrete End Sections <small>(33 42 26 23-0001)</small>		
33 42 26 23-0003 EA 12" Diameter Pipe, Precast Concrete End Section.....	607.04	111.97
33 42 26 23-0004 EA 15" Diameter Pipe, Precast Concrete End Section.....	812.76	138.59
33 42 26 23-0005 EA 18" Diameter Pipe, Precast Concrete End Section.....	1,007.05	175.44
33 42 26 23-0006 EA 21" Diameter Pipe, Precast Concrete End Section.....	1,157.20	209.80
33 42 26 23-0007 EA 24" Diameter Pipe, Precast Concrete End Section.....	1,233.50	242.84
33 42 26 23-0008 EA 27" Diameter Pipe, Precast Concrete End Section.....	1,553.91	302.21
33 42 26 23-0009 EA 30" Diameter Pipe, Precast Concrete End Section.....	1,934.44	453.92
33 42 26 23-0010 EA 36" Diameter Pipe, Precast Concrete End Section.....	2,390.63	572.77
33 42 26 23-0011 EA 42" Diameter Pipe, Precast Concrete End Section.....	2,896.89	718.51
33 42 26 23-0012 EA 48" Diameter Pipe, Precast Concrete End Section.....	3,179.03	810.28
33 42 26 23-0013 EA 54" Diameter Pipe, Precast Concrete End Section.....	3,471.73	907.64
33 42 26 23-0014 EA 60" Diameter Pipe, Precast Concrete End Section.....	3,771.99	1,009.05
33 42 26 23-0015 EA 66" Diameter Pipe Precast Concrete End Section.....	3,729.29	813.73
33 42 26 23-0016 EA 72" Diameter Pipe Precast Concrete End Section.....	4,286.88	1,017.14
33 42 26 23-0017 EA 78" Diameter Pipe Precast Concrete End Section.....	5,108.26	1,271.42
33 42 26 23-0018 EA 84" Diameter Pipe Precast Concrete End Section.....	6,048.33	1,525.71
33 42 26 23-0019 Flared Precast Concrete End Sections <small>(33 42 26 23-0001)</small>		
33 42 26 23-0020 EA 12" Diameter Pipe, Flared Precast Concrete End Section.....	758.70	118.14
33 42 26 23-0021 EA 15" Diameter Pipe, Flared Precast Concrete End Section.....	914.38	147.25
33 42 26 23-0022 EA 18" Diameter Pipe, Flared Precast Concrete End Section.....	1,111.46	186.40
33 42 26 23-0023 EA 21" Diameter Pipe, Flared Precast Concrete End Section.....	1,271.81	222.91
33 42 26 23-0024 EA 24" Diameter Pipe, Flared Precast Concrete End Section.....	1,549.39	257.99
33 42 26 23-0025 EA 27" Diameter Pipe, Flared Precast Concrete End Section.....	1,886.64	412.04
33 42 26 23-0026 EA 30" Diameter Pipe, Flared Precast Concrete End Section.....	1,987.80	567.30
33 42 26 23-0027 EA 36" Diameter Pipe, Flared Precast Concrete End Section.....	2,676.64	715.97
33 42 26 23-0028 EA 42" Diameter Pipe, Flared Precast Concrete End Section.....	3,218.96	898.31
33 42 26 23-0029 EA 48" Diameter Pipe, Flared Precast Concrete End Section.....	3,490.46	1,013.11
33 42 26 23-0030 EA 54" Diameter Pipe, Flared Precast Concrete End Section.....	3,904.40	1,134.70
33 42 26 23-0031 EA 60" Diameter Pipe, Flared Precast Concrete End Section.....	4,326.54	1,260.35
33 42 26 23-0032 EA 66" Diameter Pipe, Flared Precast Concrete End Section.....	5,043.08	1,452.12
33 42 26 23-0033 EA 72" Diameter Pipe, Flared Precast Concrete End Section.....	5,869.03	1,620.77
33 42 26 23-0034 EA 78" Diameter Pipe, Flared Precast Concrete End Section.....	6,652.63	1,823.30
33 42 26 23-0035 EA 84" Diameter Pipe, Flared Precast Concrete End Section.....	7,660.22	2,025.61
33 42 26 23-0036 Elliptical Precast Concrete End Sections <small>(33 42 26 23-0001)</small>		
33 42 26 23-0037 EA 14" x 23" Elliptical Precast Concrete End Section.....	1,319.36	186.40
33 42 26 23-0038 EA 19" x 30" Elliptical Precast Concrete End Section.....	1,839.89	257.99
33 42 26 23-0039 EA 22" x 34" Elliptical Precast Concrete End Section.....	2,203.64	412.04
33 42 26 23-0040 EA 24" x 38" Elliptical Precast Concrete End Section.....	2,271.78	567.30
33 42 26 23-0041 EA 27" x 42" Elliptical Precast Concrete End Section.....	2,674.42	641.94
33 42 26 23-0042 EA 29" x 45" Elliptical Precast Concrete End Section.....	3,077.06	715.97
33 42 26 23-0043 EA 34" x 53" Elliptical Precast Concrete End Section.....	3,686.56	898.31
33 42 26 23-0044 EA 38" x 60" Elliptical Precast Concrete End Section.....	3,982.81	1,013.11
33 42 26 23-0045 EA 43" x 68" Elliptical Precast Concrete End Section.....	4,454.60	1,134.70
33 42 26 23-0046 EA 48" x 76" Elliptical Precast Concrete End Section.....	4,934.92	1,260.35
33 42 26 23-0047 Mitered Precast Concrete End Sections <small>(33 42 26 23-0001)</small>		
33 42 26 23-0048 EA 12" Round Mitered Precast Concrete End Sections.....	492.12	118.14
33 42 26 23-0049 EA 15" Round Mitered Precast Concrete End Sections.....	534.71	147.25
33 42 26 23-0050 EA 18" Round Mitered Precast Concrete End Sections.....	643.97	186.40
33 42 26 23-0051 EA 24" Round Mitered Precast Concrete End Sections.....	933.50	257.99
33 42 26 23-0052 EA 12" x 18" Elliptical Mitered Precast Concrete End Sections.....	574.19	147.25
33 42 26 23-0053 EA 14" x 23" Elliptical Mitered Precast Concrete End Sections.....	714.15	186.40
33 42 26 23-0054 EA 19" x 30" Elliptical Mitered Precast Concrete End Sections.....	1,019.03	257.99
33 42 31 Stormwater Area Drains and Inlets <small>(33 42)</small>		
33 42 31 00-0001 Storm Drains <small>(33 42 31)</small>		
See CSI section 33 05 61 00-0001 for manhole structures.		
33 42 31 00-0002 Catch Basins And Inlet Basins <small>(33 42 31 00-0001)</small>		
Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins <small>(33 42 31 00-0002)</small>		
Note: Inside dimensions.		
33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins <small>(33 42 31 00-0003)</small>		
33 42 31 00-0005 EA 2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,919.73	332.87
33 42 31 00-0006 EA 3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,300.99	390.01
33 42 31 00-0007 EA 4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,682.27	447.06
33 42 31 00-0008 EA 5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,063.53	504.22
33 42 31 00-0009 EA 6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,444.80	561.26
33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins <small>(33 42 31 00-0003)</small>		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0011 EA 2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,559.04	330.86
33 42 31 00-0012 EA 3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,144.87	441.15
33 42 31 00-0013 EA 4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,979.57	601.57
33 42 31 00-0014 EA 5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	4,874.57	701.82
33 42 31 00-0015 EA 6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	5,540.16	802.09
33 42 31 00-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0017 EA 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,755.91	360.94
33 42 31 00-0018 EA 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,821.82	501.30
33 42 31 00-0019 EA 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,628.26	651.70
33 42 31 00-0020 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,343.46	715.96
33 42 31 00-0021 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	6,768.33	962.50
33 42 31 00-0022 Cast In Place, Catch Basin (33 42 31 00-0002) Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023 3' x 3', Cast In Place, Catch Basins (33 42 31 00-0002)		
33 42 31 00-0024 EA 3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin.....	2,394.91	402.45
33 42 31 00-0025 EA 3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,537.30	427.91
33 42 31 00-0026 EA 4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin.....	2,788.68	459.60
33 42 31 00-0027 EA 4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,143.75	508.72
33 42 31 00-0028 EA 5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,406.53	541.51
33 42 31 00-0029 EA 5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,563.75	567.88
33 42 31 00-0030 EA 6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,826.72	600.67
33 42 31 00-0031 EA 6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,979.98	627.14
33 42 31 00-0032 EA 7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,244.57	659.82
33 42 31 00-0033 EA 7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,400.17	686.28
33 42 31 00-0034 EA 8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,663.05	719.07
33 42 31 00-0035 VLF >8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	582.91	89.83
33 42 31 00-0036 3'-6" x 3'-6", Cast In Place, Catch Basins (33 42 31 00-0002)		
33 42 31 00-0037 EA 3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,750.45	465.21
33 42 31 00-0038 EA 3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,930.10	497.89
33 42 31 00-0039 EA 4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,192.04	530.69
33 42 31 00-0040 EA 4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,607.24	587.73
33 42 31 00-0041 EA 5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,894.01	624.83
33 42 31 00-0042 EA 5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,075.04	655.61
33 42 31 00-0043 EA 6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,365.57	692.71
33 42 31 00-0044 EA 6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,546.59	723.49
33 42 31 00-0045 EA 7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,834.90	760.58
33 42 31 00-0046 EA 7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,016.54	791.36
33 42 31 00-0047 EA 8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,304.93	828.46
33 42 31 00-0048 VLF >8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	663.14	103.57
33 42 31 00-0049 4' x 4', Cast In Place, Catch Basins (33 42 31 00-0002)		
33 42 31 00-0050 EA 3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin.....	3,131.02	532.18
33 42 31 00-0051 EA 3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,321.22	565.98
33 42 31 00-0052 EA 4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin.....	3,618.80	605.98
33 42 31 00-0053 EA 4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,094.75	671.05
33 42 31 00-0054 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,409.18	712.46
33 42 31 00-0055 EA 5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,616.14	747.65
33 42 31 00-0056 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,930.59	789.06
33 42 31 00-0057 EA 6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,136.93	824.25
33 42 31 00-0058 EA 7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,451.37	865.66
33 42 31 00-0059 EA 7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,658.35	900.85
33 42 31 00-0060 EA 8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,972.77	942.36
33 42 31 00-0061 VLF >8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	746.55	117.81
33 42 31 00-0062 4'-6" x 4'-6", Cast In Place, Catch Basins (33 42 31 00-0002)		
33 42 31 00-0063 EA 3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	3,609.95	617.11
33 42 31 00-0064 EA 3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,831.73	652.00
33 42 31 00-0065 EA 4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,158.72	697.12
33 42 31 00-0066 EA 4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,701.65	771.11
33 42 31 00-0067 EA 5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,048.35	817.83
33 42 31 00-0068 EA 5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,287.71	858.23
33 42 31 00-0069 EA 6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,635.05	904.95
33 42 31 00-0070 EA 6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,874.40	945.46
33 42 31 00-0071 EA 7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,221.11	992.19
33 42 31 00-0072 EA 7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,458.84	1,032.59
33 42 31 00-0073 EA 8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,807.79	1,079.31
33 42 31 00-0074 VLF >8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	851.03	134.95
33 42 31 00-0075 5' x 5', Cast In Place, Catch Basins (33 42 31 00-0002)		
33 42 31 00-0076 EA 4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin.....	4,649.87	782.73



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0077 EA 4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,254.61	864.95
33 42 31 00-0078 EA 5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,629.40	916.18
33 42 31 00-0079 EA 5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,895.19	961.11
33 42 31 00-0080 EA 6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,266.09	1,012.24
33 42 31 00-0081 EA 6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,533.51	1,057.15
33 42 31 00-0082 EA 7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,906.68	1,108.39
33 42 31 00-0083 EA 7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,170.23	1,153.30
33 42 31 00-0084 EA 8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,545.00	1,204.43
33 42 31 00-0085 VLF >8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	1,447.24	150.59
33 42 31 00-0086 5'-6" x 5'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0087 EA 4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,164.27	872.87
33 42 31 00-0088 EA 4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,019.04	988.08
33 42 31 00-0089 EA 5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,431.23	1,045.02
33 42 31 00-0090 EA 5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,734.44	1,096.05
33 42 31 00-0091 EA 6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,148.88	1,153.40
33 42 31 00-0092 EA 6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,453.70	1,204.43
33 42 31 00-0093 EA 7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,865.91	1,261.79
33 42 31 00-0094 EA 7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,169.10	1,312.82
33 42 31 00-0095 EA 8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,581.31	1,370.17
33 42 31 00-0096 VLF >8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,072.66	171.25
33 42 31 00-0097 6' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0098 EA 4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	5,706.36	967.22
33 42 31 00-0099 EA 4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,648.19	1,093.65
33 42 31 00-0100 EA 5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,089.04	1,155.61
33 42 31 00-0101 EA 5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,420.30	1,211.25
33 42 31 00-0102 EA 6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,859.54	1,273.21
33 42 31 00-0103 EA 6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,193.05	1,328.86
33 42 31 00-0104 EA 7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,631.66	1,390.82
33 42 31 00-0105 EA 7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,963.54	1,446.47
33 42 31 00-0106 EA 8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,404.40	1,508.43
33 42 31 00-0107 VLF >8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	1,175.60	188.59
33 42 31 00-0108 6'-6" x 6'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0109 EA 4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	6,272.24	1,066.08
33 42 31 00-0110 EA 4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,539.79	1,235.12
33 42 31 00-0111 EA 5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,021.59	1,303.70
33 42 31 00-0112 EA 5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,395.93	1,365.96
33 42 31 00-0113 EA 6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,877.72	1,434.44
33 42 31 00-0114 EA 6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,252.06	1,496.80
33 42 31 00-0115 EA 7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,733.86	1,565.28
33 42 31 00-0116 EA 7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,108.21	1,627.54
33 42 31 00-0117 EA 8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,592.26	1,696.12
33 42 31 00-0118 VLF >8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,323.98	212.05
33 42 31 00-0119 7' x 7', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0120 EA 4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	6,863.74	1,169.24
33 42 31 00-0121 EA 4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,250.75	1,353.73
33 42 31 00-0122 EA 5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,761.83	1,427.12
33 42 31 00-0123 EA 5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,163.29	1,494.09
33 42 31 00-0124 EA 6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,675.89	1,567.38
33 42 31 00-0125 EA 6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,077.35	1,634.46
33 42 31 00-0126 EA 7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,588.41	1,707.75
33 42 31 00-0127 EA 7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,991.51	1,774.82
33 42 31 00-0128 EA 8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,502.48	1,848.11
33 42 31 00-0129 VLF >8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	1,437.86	231.00
33 42 31 00-0130 7'-6" x 7'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0131 EA 4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	7,749.89	1,312.32
33 42 31 00-0132 EA 4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,991.09	1,477.15
33 42 31 00-0133 EA 5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,529.18	1,555.25
33 42 31 00-0134 EA 5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,961.54	1,627.03
33 42 31 00-0135 EA 6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,501.17	1,705.14
33 42 31 00-0136 EA 6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,933.53	1,776.92
33 42 31 00-0137 EA 7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,471.63	1,855.03
33 42 31 00-0138 EA 7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,903.99	1,926.82
33 42 31 00-0139 EA 8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,443.71	2,004.92
33 42 31 00-0140 VLF >8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,555.43	250.65
33 42 31 00-0141 8' x 8', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0142 EA 4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	8,417.92	1,427.82
33 42 31 00-0143 EA 4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,758.32	1,605.38
33 42 31 00-0144 EA 5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,325.18	1,688.19

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0145 EA 5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,786.80	1,764.79
33 42 31 00-0146 EA 6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,353.55	1,847.62
33 42 31 00-0147 EA 6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,811.94	1,924.22
33 42 31 00-0148 EA 7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,381.94	2,007.03
33 42 31 00-0149 EA 7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,843.57	2,083.63
33 42 31 00-0150 EA 8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,401.42	2,166.44
33 42 31 00-0151 VLF >8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,676.29	270.81
33 42 31 00-0152 Precast Concrete Catch Basins (33 42 31 00-0002)		
Note: Inside dimensions.		
33 42 31 00-0153 1'-6" Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0154 EA 4' Deep, 1'-6" Diameter Precast Catch Basins	756.28	206.39
33 42 31 00-0155 EA 6' Deep, 1'-6" Diameter Precast Catch Basins	1,038.15	309.59
33 42 31 00-0156 EA 8' Deep, 1'-6" Diameter Precast Catch Basins	1,303.87	402.47
33 42 31 00-0157 EA 10' Deep, 1'-6" Diameter Precast Catch Basins	1,567.91	475.74
33 42 31 00-0158 EA 12' Deep, 1'-6" Diameter Precast Catch Basins	1,918.95	603.71
33 42 31 00-0159 EA 14' Deep, 1'-6" Diameter Precast Catch Basins	2,191.20	696.59
33 42 31 00-0160 VLF Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	151.49	46.44
33 42 31 00-0161 2' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0162 EA 4' Deep, 2' Diameter Precast Catch Basin	865.31	229.61
33 42 31 00-0163 EA 6' Deep, 2' Diameter Precast Catch Basin	1,181.08	340.55
33 42 31 00-0164 EA 8' Deep, 2' Diameter Precast Catch Basin	1,478.04	448.91
33 42 31 00-0165 EA 10' Deep, 2' Diameter Precast Catch Basin	1,772.49	523.73
33 42 31 00-0166 EA 12' Deep, 2' Diameter Precast Catch Basin	2,180.69	670.79
33 42 31 00-0167 EA 14' Deep, 2' Diameter Precast Catch Basin	2,487.05	773.98
33 42 31 00-0168 VLF Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	171.93	55.73
33 42 31 00-0169 3' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0170 EA 4' Deep, 3' Diameter Precast Catch Basin	1,165.27	270.90
33 42 31 00-0171 EA 6' Deep, 3' Diameter Precast Catch Basin	1,568.75	400.40
33 42 31 00-0172 EA 8' Deep, 3' Diameter Precast Catch Basin	1,952.26	528.89
33 42 31 00-0173 EA 10' Deep, 3' Diameter Precast Catch Basin	2,431.62	660.47
33 42 31 00-0174 EA 12' Deep, 3' Diameter Precast Catch Basin	2,865.58	787.40
33 42 31 00-0175 EA 14' Deep, 3' Diameter Precast Catch Basin	3,281.15	916.40
33 42 31 00-0176 VLF Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	224.00	65.45
33 42 31 00-0177 4' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0178 EA 4' Deep, 4' Diameter Precast Catch Basin	1,428.22	301.34
33 42 31 00-0179 EA 6' Deep, 4' Diameter Precast Catch Basin	1,842.74	412.79
33 42 31 00-0180 EA 8' Deep, 4' Diameter Precast Catch Basin	2,420.92	619.18
33 42 31 00-0181 EA 10' Deep, 4' Diameter Precast Catch Basin	3,020.57	773.98
33 42 31 00-0182 EA 12' Deep, 4' Diameter Precast Catch Basin	3,561.30	928.78
33 42 31 00-0183 EA 14' Deep, 4' Diameter Precast Catch Basin	4,080.46	1,083.57
33 42 31 00-0184 VLF Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	277.84	77.40
33 42 31 00-0185 5' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0186 EA 4' Deep, 5' Diameter Precast Catch Basin	1,917.74	412.79
33 42 31 00-0187 EA 6' Deep, 5' Diameter Precast Catch Basin	2,587.59	619.18
33 42 31 00-0188 EA 8' Deep, 5' Diameter Precast Catch Basin	3,260.49	825.59
33 42 31 00-0189 EA 10' Deep, 5' Diameter Precast Catch Basin	3,974.26	1,031.98
33 42 31 00-0190 EA 12' Deep, 5' Diameter Precast Catch Basin	4,674.42	1,238.37
33 42 31 00-0191 EA 14' Deep, 5' Diameter Precast Catch Basin	5,432.94	1,444.77
33 42 31 00-0192 VLF Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	369.53	103.20
33 42 31 00-0193 6' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0194 EA 4' Deep, 6' Diameter Precast Catch Basin	2,795.92	619.18
33 42 31 00-0195 EA 6' Deep, 6' Diameter Precast Catch Basin	3,727.97	928.78
33 42 31 00-0196 EA 8' Deep, 6' Diameter Precast Catch Basin	4,734.36	1,238.37
33 42 31 00-0197 EA 10' Deep, 6' Diameter Precast Catch Basin	5,897.11	1,547.97
33 42 31 00-0198 EA 12' Deep, 6' Diameter Precast Catch Basin	7,018.20	1,857.57
33 42 31 00-0199 EA 14' Deep, 6' Diameter Precast Catch Basin	8,105.69	2,167.16
33 42 31 00-0200 VLF Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	550.19	154.80
33 42 31 00-0201 Precast Catch Basins Accessories (33 42 31 00-0152)		
33 42 31 00-0202 EA Single Or Double Wing Slab Top With Throat	1,475.50	670.79
33 42 31 00-0203 EA 4' x 4' Weir Box, Precast Catch Basin	837.33	82.55
33 42 31 00-0204 EA 4' Diameter Inlet Round To Square Adapter, Precast Catch Basin	440.78	87.72
33 42 31 00-0205 EA 3' Diameter, Up To 6" High, Precast Extension Ring	537.06	129.00
For Each Additional Inch In Height, Add	68.00	
33 42 31 00-0206 EA 4' Diameter, Up To 6" High, Precast Extension Ring	631.62	154.80
For Each Additional Inch In Height, Add	79.45	



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0207 EA 5' Diameter, Up To 6" High, Precast Extension Ring <i>For Each Additional Inch In Height, Add</i>	736.95 92.76	180.59
33 42 31 00-0208 EA 6' Diameter, Up To 6" High, Precast Extension Ring <i>For Each Additional Inch In Height, Add</i>	899.91 107.03	258.00
33 42 31 00-0209 EA Adjust Existing Catch Basin Inlet Grate To Match Grade.....	619.15	
33 42 31 00-0210 Catch Basin Risers (33 42 31 00-0152)		
33 42 31 00-0211 EA Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser	392.46	
33 42 31 00-0212 EA >860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	438.97	
33 42 31 00-0213 EA >1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	494.29	
33 42 31 00-0214 EA Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	422.62	
33 42 31 00-0215 EA >860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	472.25	
33 42 31 00-0216 EA >1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	533.56	
33 42 31 00-0217 EA Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	467.89	
33 42 31 00-0218 EA >860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	511.93	
33 42 31 00-0219 EA >1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	573.47	
33 42 31 00-0220 Cast In Place, Storm Drain Cleanout (33 42 31 00-0002)		
Note: Inside span.		
33 42 31 00-0221 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,093.80	793.86
33 42 31 00-0222 EA 6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,791.05	905.96
33 42 31 00-0223 EA 6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	6,567.44	1,028.18
33 42 31 00-0224 EA 7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	7,886.12	1,233.41
33 42 31 00-0225 EA 8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	9,558.89	1,489.08
33 42 31 00-0226 Precast Concrete Inlet Boxes (33 42 31 00-0002)		
Note: Inside dimensions.		
33 42 31 00-0227 Precast Concrete Inlet Boxes (33 42 31 00-0226)		
33 42 31 00-0228 24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
Note: Yard inlet.		
33 42 31 00-0229 24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0226)		
33 42 31 00-0230 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	693.41	72.24
33 42 31 00-0231 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	815.86	87.72
33 42 31 00-0232 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	938.31	103.20
33 42 31 00-0233 EA 42" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	1,062.06	119.32
33 42 31 00-0234 24" x 24" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0226)		
33 42 31 00-0235 EA 6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	179.21	
33 42 31 00-0236 EA 12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	286.18	
33 42 31 00-0237 EA 18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	403.47	
33 42 31 00-0238 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	520.76	
33 42 31 00-0239 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	638.04	
33 42 31 00-0240 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	755.33	
33 42 31 00-0241 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0242 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0241)		
33 42 31 00-0243 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,434.38	202.82
33 42 31 00-0244 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,615.00	234.52
33 42 31 00-0245 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,795.63	266.20
33 42 31 00-0246 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,976.41	297.98
33 42 31 00-0247 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,157.20	329.74
33 42 31 00-0248 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,337.96	361.51
33 42 31 00-0249 EA 72" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,518.74	393.28
33 42 31 00-0250 22" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0241)		
33 42 31 00-0251 EA 6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	351.28	
33 42 31 00-0252 EA 12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	558.09	
33 42 31 00-0253 EA 18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	609.73	
33 42 31 00-0254 EA 24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	778.57	
33 42 31 00-0255 EA 30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	947.41	
33 42 31 00-0256 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,109.11	
33 42 31 00-0257 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,289.74	
33 42 31 00-0258 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,470.36	
33 42 31 00-0259 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,651.15	
33 42 31 00-0260 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,831.93	
33 42 31 00-0261 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	2,012.70	
33 42 31 00-0262 EA 72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	2,193.48	
33 42 31 00-0263 30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0264 30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0263)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0265 EA 36" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,389.28	223.11
33 42 31 00-0266 EA 42" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,570.92	257.97
33 42 31 00-0267 EA 48" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,752.55	292.82
33 42 31 00-0268 EA 54" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,934.35	327.77
33 42 31 00-0269 EA 60" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,116.14	362.71
33 42 31 00-0270 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,297.94	397.66
33 42 31 00-0271 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,479.74	432.61
33 42 31 00-0272 30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0263)		
33 42 31 00-0273 EA 6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	349.39	
33 42 31 00-0274 EA 12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	548.69	
33 42 31 00-0275 EA 18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	601.43	
33 42 31 00-0276 EA 24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	767.09	
33 42 31 00-0277 EA 30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	932.75	
33 42 31 00-0278 EA 36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,097.40	
33 42 31 00-0279 EA 42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,276.23	
33 42 31 00-0280 EA 48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,454.05	
33 42 31 00-0281 EA 54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,632.89	
33 42 31 00-0282 EA 60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,810.72	
33 42 31 00-0283 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,989.57	
33 42 31 00-0284 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	2,168.40	
33 42 31 00-0285 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0286 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0285)		
33 42 31 00-0287 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,647.54	243.39
33 42 31 00-0288 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,860.66	282.94
33 42 31 00-0289 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,073.79	323.50
33 42 31 00-0290 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,285.91	363.05
33 42 31 00-0291 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,499.04	403.62
33 42 31 00-0292 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,712.16	443.17
33 42 31 00-0293 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,924.27	482.73
33 42 31 00-0294 42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0285)		
33 42 31 00-0295 EA 6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	384.09	
33 42 31 00-0296 EA 12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	616.05	
33 42 31 00-0297 EA 18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	670.32	
33 42 31 00-0298 EA 24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	857.58	
33 42 31 00-0299 EA 30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,044.85	
33 42 31 00-0300 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,232.13	
33 42 31 00-0301 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,433.08	
33 42 31 00-0302 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,634.04	
33 42 31 00-0303 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,834.99	
33 42 31 00-0304 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,035.96	
33 42 31 00-0305 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,236.92	
33 42 31 00-0306 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,437.87	
33 42 31 00-0307 42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0285)		
33 42 31 00-0308 EA 42" x 48" ID, Precast Concrete Inlet Box Top Slab.....	937.71	152.12
33 42 31 00-0309 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0310 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0309)		
33 42 31 00-0311 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,321.12	270.44
33 42 31 00-0312 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,603.98	314.88
33 42 31 00-0313 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,886.84	359.33
33 42 31 00-0314 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,169.38	403.63
33 42 31 00-0315 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,451.90	447.92
33 42 31 00-0316 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,734.44	492.21
33 42 31 00-0317 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,016.99	536.49
33 42 31 00-0318 48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0309)		
33 42 31 00-0319 EA 6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	386.64	
33 42 31 00-0320 EA 12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	607.64	
33 42 31 00-0321 EA 18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	886.11	
33 42 31 00-0322 EA 24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,164.58	
33 42 31 00-0323 EA 30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,426.15	
33 42 31 00-0324 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,704.60	
33 42 31 00-0325 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,987.47	
33 42 31 00-0326 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,270.33	
33 42 31 00-0327 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,552.87	
33 42 31 00-0328 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,835.39	
33 42 31 00-0329 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	3,117.93	
33 42 31 00-0330 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	3,400.48	



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0331 48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0309)		
33 42 31 00-0332 EA 48" x 54" ID, Precast Concrete Inlet Box Top Slab	1,019.02	164.80
33 42 31 00-0333 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0334 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0333)		
33 42 31 00-0335 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,682.15	340.74
33 42 31 00-0336 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,994.92	397.67
33 42 31 00-0337 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,307.69	454.61
33 42 31 00-0338 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,619.85	511.22
33 42 31 00-0339 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,931.99	567.84
33 42 31 00-0340 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,244.13	624.45
33 42 31 00-0341 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,556.27	681.07
33 42 31 00-0342 48" x 66" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0333)		
33 42 31 00-0343 EA 6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	426.07	
33 42 31 00-0344 EA 12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	653.38	
33 42 31 00-0345 EA 18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	965.88	
33 42 31 00-0346 EA 24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,278.37	
33 42 31 00-0347 EA 30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,562.46	
33 42 31 00-0348 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,874.96	
33 42 31 00-0349 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,187.73	
33 42 31 00-0350 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,500.50	
33 42 31 00-0351 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,812.65	
33 42 31 00-0352 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,124.79	
33 42 31 00-0353 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,436.93	
33 42 31 00-0354 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,749.07	
33 42 31 00-0355 48" x 66" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0333)		
33 42 31 00-0356 EA 48" x 66" ID, Precast Concrete Inlet Box Top Slab	1,133.22	184.57
33 42 31 00-0357 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0358 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0357)		
33 42 31 00-0359 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,366.44	459.39
33 42 31 00-0360 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,762.96	535.46
33 42 31 00-0361 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,159.50	610.50
33 42 31 00-0362 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,555.01	686.56
33 42 31 00-0363 EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	4,951.54	761.60
33 42 31 00-0364 EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	5,347.05	836.65
33 42 31 00-0365 EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	5,744.59	912.71
33 42 31 00-0366 42" x 102" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0357)		
33 42 31 00-0367 EA 6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	572.98	
33 42 31 00-0368 EA 12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	864.05	
33 42 31 00-0369 EA 18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,253.47	
33 42 31 00-0370 EA 24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,642.91	
33 42 31 00-0371 EA 30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,002.92	
33 42 31 00-0372 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,392.35	
33 42 31 00-0373 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,788.88	
33 42 31 00-0374 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,185.41	
33 42 31 00-0375 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,580.93	
33 42 31 00-0376 EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,977.45	
33 42 31 00-0377 EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	4,372.96	
33 42 31 00-0378 EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	4,769.49	
33 42 31 00-0379 42" x 102" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0357)		
33 42 31 00-0380 EA 42" x 102" ID, Precast Concrete Inlet Box Top Slab	1,534.82	202.82
33 42 31 00-0381 Frames And Grates For Inlets (33 42 31 00-0226)		
33 42 31 00-0382 Inlet Frames And Grates (33 42 31 00-0381)		
33 42 31 00-0383 EA 24" x 24", Heavy Duty Inlet Grate	394.46	47.73
Note: For type A, B, D, or E inlets.		
33 42 31 00-0384 EA 47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT).....	513.33	47.73
Note: For type A, B, D, or E inlets.		
33 42 31 00-0385 EA 47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT).....	513.33	47.73
Note: Includes legend: Dump No Waste "Drains To Waterways".		
33 42 31 00-0386 EA Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT).....	513.33	47.73
Note: Legend: Dump No Waste "Drains To Waterways"		
33 42 31 00-0387 EA Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362).....	563.08	47.73
33 42 31 00-0388 EA Type B Inlet Dirt Plate (US Foundry 5217 BK).....	409.80	95.45

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0389 EA Back Plate For Type B Inlets (Campbell Foundry 2548-1942).....	479.45	95.45
33 42 31 00-0390 EA Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4).....	596.81	119.31
Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".		
33 42 31 00-0391 EA 1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	507.27	119.31
33 42 31 00-0392 EA 2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	517.22	119.31
33 42 31 00-0393 EA 2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	537.11	119.31
33 42 31 00-0394 EA 3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	557.01	119.31
33 42 31 00-0395 EA 2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	537.11	119.31
33 42 31 00-0396 EA 2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	557.01	119.31
33 42 31 00-0397 EA 3" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	576.91	119.31
33 42 31 00-0398 EA 2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	835.60	119.31
33 42 31 00-0399 EA 2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	875.40	119.31
33 42 31 00-0400 EA 3" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	915.20	119.31
33 42 31 00-0401 EA 2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701).....	616.71	119.31
33 42 31 00-0402 EA 6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6).....	557.01	119.31
33 42 31 00-0403 EA 8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8).....	557.01	119.31
33 42 31 00-0404 EA 6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6).....	1,155.72	119.31
33 42 31 00-0405 EA 8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8).....	1,155.72	119.31
33 42 31 00-0406 EA Safety Bars For Type B And D Inlets (General Foundries 5218 SB).....	461.48	131.25
33 42 31 00-0407 EA 6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648).....	650.52	131.25
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0408 EA 8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848).....	650.52	131.25
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0409 EA 10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048).....	720.17	131.25
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0410 EA Type B Inlet Frame (US Foundry 5216 FRM).....	829.61	131.25
33 42 31 00-0411 EA Type D Inlet Frame (US Foundry 2999 FRM).....	710.22	131.25
33 42 31 00-0412 EA Type B Inlet Frame (Campbell Foundry 2618-0202).....	1,018.65	131.25
33 42 31 00-0413 EA Type D Inlet Frame (Campbell Foundry 2617-0002).....	899.26	131.25
33 42 31 00-0414 EA Type A Inlet, Single Frame And Grate (US Foundry 52340).....	1,157.87	190.91
33 42 31 00-0415 EA Type E Inlet, Single Frame And Grate (US Foundry 52342).....	1,874.23	190.91
33 42 31 00-0416 EA Type A Inlet, Single Frame And Grate (General Foundries 52340).....	1,128.02	190.91
33 42 31 00-0417 EA Type E Inlet, Double Frame And Grate (General Foundries 52342).....	1,780.71	190.91
33 42 31 00-0418 EA Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340).....	1,895.99	286.35
33 42 31 00-0419 EA Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084).....	1,936.64	381.81
33 42 31 00-0420 EA 6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186).....	2,126.70	381.81
33 42 31 00-0421 EA 8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198).....	2,126.70	381.81
33 42 31 00-0422 EA 6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266).....	1,877.96	381.81
33 42 31 00-0423 EA 8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268).....	1,877.96	381.81
33 42 31 00-0424 EA Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198).....	2,206.30	381.81
33 42 31 00-0425 Catch Basin Frames And Covers (33 42 31 00-0001)		
33 42 31 00-0426 Cast Iron Frames And Covers (33 42 31 00-0425)		
33 42 31 00-0427 EA 18" Diameter Cast Iron Catch Basin Frame And Cover.....	630.65	103.20
33 42 31 00-0428 EA 22" Diameter Cast Iron Catch Basin Frame And Cover.....	791.19	116.61
33 42 31 00-0429 EA 24" Diameter Cast Iron Catch Basin Frame And Cover.....	890.19	120.74
33 42 31 00-0430 EA 26" Diameter Cast Iron Catch Basin Frame And Cover.....	1,001.03	140.35
33 42 31 00-0431 EA 28" Diameter Cast Iron Catch Basin Frame And Cover.....	1,166.54	159.96
33 42 31 00-0432 EA 32" Diameter Cast Iron Catch Basin Frame And Cover.....	1,834.46	167.18
33 42 31 00-0433 EA 16" x 16" Cast Iron Catch Basin Frame And Cover.....	1,004.29	126.93
33 42 31 00-0434 EA 18" x 24" Cast Iron Catch Basin Frame And Cover.....	1,301.21	146.54
33 42 31 00-0435 EA 20" x 27" Cast Iron Catch Basin Frame And Cover.....	1,466.06	152.73
33 42 31 00-0436 EA 23" x 23" Cast Iron Catch Basin Frame And Cover.....	1,388.76	152.73
33 42 31 00-0437 EA 24" x 24" Cast Iron Catch Basin Frame And Cover.....	1,435.90	158.93
33 42 31 00-0438 EA 26" x 26" Cast Iron Catch Basin Frame And Cover.....	1,539.71	165.12
33 42 31 00-0439 EA 24" x 36" Cast Iron Catch Basin Frame And Cover.....	1,842.32	177.50
33 42 31 00-0440 Area Yard Drain (33 42 31 00-0001)		
See CSI section 22 14 26 16-0001 for drains.		
33 42 31 00-0441 Ductile Iron Grates (33 42 31 00-0440)		
Note: Not for traffic loading.		
33 42 31 00-0442 EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe.....	177.46	40.81
33 42 31 00-0443 EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe.....	218.17	43.54
33 42 31 00-0444 EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	512.15	54.42
33 42 31 00-0445 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	611.93	65.30
33 42 31 00-0446 Concrete Drainage Inlet Structures (CALTRANS) (33 42 31 00-0001)		
33 42 31 00-0447 Type OS Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0448 EA 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,245.41	
33 42 31 00-0449 EA 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,774.83	
33 42 31 00-0450 EA 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,268.09	
33 42 31 00-0451 EA 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,725.17	
33 42 31 00-0452 EA 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,146.08	
33 42 31 00-0453 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,530.82	
33 42 31 00-0454 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,525.86	



		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0455 EA 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,779.30	
33 42 31 00-0456 EA 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,938.87	
33 42 31 00-0457 EA 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	11,006.62	
33 42 31 00-0458 EA 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	12,042.16	
33 42 31 00-0459 EA 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	12,998.68	
33 42 31 00-0460 EA 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	13,876.18	
33 42 31 00-0461 Type OL-7 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0462 EA 3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,419.27	
33 42 31 00-0463 EA 4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,915.62	
33 42 31 00-0464 EA 5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,375.78	
33 42 31 00-0465 EA 6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,799.78	
33 42 31 00-0466 EA 7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,186.57	
33 42 31 00-0467 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,538.22	
33 42 31 00-0468 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,474.01	
33 42 31 00-0469 EA 10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,698.79	
33 42 31 00-0470 EA 12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,829.71	
33 42 31 00-0471 EA 14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,867.77	
33 42 31 00-0472 EA 16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,878.94	
33 42 31 00-0473 EA 18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,811.09	
33 42 31 00-0474 EA 20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,664.22	
33 42 31 00-0475 Type OL-10 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0476 EA 3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,501.08	
33 42 31 00-0477 EA 4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,967.14	
33 42 31 00-0478 EA 5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,396.01	
33 42 31 00-0479 EA 6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,789.74	
33 42 31 00-0480 EA 7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,146.25	
33 42 31 00-0481 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,466.60	
33 42 31 00-0482 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,422.14	
33 42 31 00-0483 EA 10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,617.24	
33 42 31 00-0484 EA 12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,720.53	
33 42 31 00-0485 EA 14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,729.95	
33 42 31 00-0486 EA 16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,715.73	
33 42 31 00-0487 EA 18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,623.51	
33 42 31 00-0488 EA 20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,451.24	
33 42 31 00-0489 Type OL-14 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0490 EA 3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,043.22	
33 42 31 00-0491 EA 4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,464.93	
33 42 31 00-0492 EA 5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,850.47	
33 42 31 00-0493 EA 6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,199.83	
33 42 31 00-0494 EA 7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,513.03	
33 42 31 00-0495 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,790.05	
33 42 31 00-0496 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,765.34	
33 42 31 00-0497 EA 10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,919.77	
33 42 31 00-0498 EA 12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,981.34	
33 42 31 00-0499 EA 14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,950.09	
33 42 31 00-0500 EA 16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,902.29	
33 42 31 00-0501 EA 18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,774.44	
33 42 31 00-0502 EA 20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,567.57	
33 42 31 00-0503 Type OL-21 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0504 EA 3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	10,173.53	
33 42 31 00-0505 EA 4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	10,506.67	
33 42 31 00-0506 EA 5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	10,803.63	
33 42 31 00-0507 EA 6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	11,064.42	
33 42 31 00-0508 EA 7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	11,288.00	
33 42 31 00-0509 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	11,476.45	
33 42 31 00-0510 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,392.48	
33 42 31 00-0511 EA 10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,466.88	
33 42 31 00-0512 EA 12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,448.46	
33 42 31 00-0513 EA 14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,337.18	
33 42 31 00-0514 EA 16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	17,221.25	
33 42 31 00-0515 EA 18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	18,025.24	
33 42 31 00-0516 EA 20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	18,750.24	
33 42 31 00-0517 Type GOL-7 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0518 EA 3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,362.97	
33 42 31 00-0519 EA 4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,911.23	
33 42 31 00-0520 EA 5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,418.13	
33 42 31 00-0521 EA 6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,883.68	
33 42 31 00-0522 EA 7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,308.89	
33 42 31 00-0523 EA 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,693.76	
33 42 31 00-0524 EA 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,797.44	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0525 EA 10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,161.83	
33 42 31 00-0526 EA 12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,421.89	
33 42 31 00-0527 EA 14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	13,576.58	
33 42 31 00-0528 EA 16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	14,703.25	
33 42 31 00-0529 EA 18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	15,741.11	
33 42 31 00-0530 EA 20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	16,689.09	
33 42 31 00-0531 Type GOL-10 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0532 EA 3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	6,536.84	
33 42 31 00-0533 EA 4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	7,050.98	
33 42 31 00-0534 EA 5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	7,524.79	
33 42 31 00-0535 EA 6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	7,958.28	
33 42 31 00-0536 EA 7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	8,350.40	
33 42 31 00-0537 EA 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	8,701.16	
33 42 31 00-0538 EA 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,804.85	
33 42 31 00-0539 EA 10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,138.21	
33 42 31 00-0540 EA 12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	13,367.24	
33 42 31 00-0541 EA 14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	14,491.94	
33 42 31 00-0542 EA 16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	15,592.15	
33 42 31 00-0543 EA 18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	16,603.52	
33 42 31 00-0544 EA 20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	17,526.07	
33 42 31 00-0545 Type G-1 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0546 EA 3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,186.62	
33 42 31 00-0547 EA 4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,617.02	
33 42 31 00-0548 EA 5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,017.48	
33 42 31 00-0549 EA 6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,390.02	
33 42 31 00-0550 EA 7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,734.66	
33 42 31 00-0551 EA 8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,049.35	
33 42 31 00-0552 Type G-2 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0553 EA 3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,015.23	
33 42 31 00-0554 EA 4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,499.80	
33 42 31 00-0555 EA 5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,951.26	
33 42 31 00-0556 EA 6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,369.66	
33 42 31 00-0557 EA 7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,754.94	
33 42 31 00-0558 EA 8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,106.13	
33 42 31 00-0559 EA 8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,913.52	
33 42 31 00-0560 EA 10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,070.12	
33 42 31 00-0561 EA 12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,141.30	
33 42 31 00-0562 EA 14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,127.05	
33 42 31 00-0563 EA 16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,083.10	
33 42 31 00-0564 EA 18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,966.49	
33 42 31 00-0565 EA 20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,776.17	
33 42 31 00-0566 Type G-3 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0567 EA 3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,370.76	
33 42 31 00-0568 EA 4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,795.52	
33 42 31 00-0569 EA 5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,191.37	
33 42 31 00-0570 EA 6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,559.31	
33 42 31 00-0571 EA 7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,897.28	
33 42 31 00-0572 EA 8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,207.38	
33 42 31 00-0573 Type G-4_24 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0574 EA 3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,923.17	
33 42 31 00-0575 EA 4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,410.54	
33 42 31 00-0576 EA 5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,864.83	
33 42 31 00-0577 EA 6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,285.01	
33 42 31 00-0578 EA 7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,673.12	
33 42 31 00-0579 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,027.12	
33 42 31 00-0580 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,874.02	
33 42 31 00-0581 EA 10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,032.54	
33 42 31 00-0582 EA 12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,104.62	
33 42 31 00-0583 EA 14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,091.26	
33 42 31 00-0584 EA 16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,048.03	
33 42 31 00-0585 EA 18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,932.12	
33 42 31 00-0586 EA 20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,743.55	
33 42 31 00-0587 Type G-4_18 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0588 EA 3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,015.23	
33 42 31 00-0589 EA 4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,499.80	
33 42 31 00-0590 EA 5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,951.26	
33 42 31 00-0591 EA 6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,369.66	
33 42 31 00-0592 EA 7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,754.94	



	Utilities	33	CS
	Stormwater Utilities	33 40	
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0593 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,106.13	
33 42 31 00-0594 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,913.52	
33 42 31 00-0595 EA 10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,070.12	
33 42 31 00-0596 EA 12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,141.30	
33 42 31 00-0597 EA 14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,127.05	
33 42 31 00-0598 EA 16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,083.10	
33 42 31 00-0599 EA 18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,966.49	
33 42 31 00-0600 EA 20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,776.17	
33 42 31 00-0601 Type G-5 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0602 EA 3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,347.74	
33 42 31 00-0603 EA 4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,772.95	
33 42 31 00-0604 EA 5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,170.28	
33 42 31 00-0605 EA 6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,537.63	
33 42 31 00-0606 EA 7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,877.09	
33 42 31 00-0607 EA 8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,187.62	
33 42 31 00-0608 Type G-6 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0609 EA 3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,393.77	
33 42 31 00-0610 EA 4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,818.10	
33 42 31 00-0611 EA 5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,213.49	
33 42 31 00-0612 EA 6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,579.96	
33 42 31 00-0613 EA 7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,917.49	
33 42 31 00-0614 EA 8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,227.12	
33 42 31 00-0615 Type GT1 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0616 EA 3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,004.96	
33 42 31 00-0617 EA 4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,669.40	
33 42 31 00-0618 EA 5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,337.55	
33 42 31 00-0619 EA 6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,862.75	
33 42 31 00-0620 EA 7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,390.63	
33 42 31 00-0621 EA 8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,874.02	
33 42 31 00-0622 Type GT2 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0623 EA 3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,856.60	
33 42 31 00-0624 EA 4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,580.28	
33 42 31 00-0625 EA 5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,253.08	
33 42 31 00-0626 EA 6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,876.03	
33 42 31 00-0627 EA 7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,448.10	
33 42 31 00-0628 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,970.30	
33 42 31 00-0629 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,666.58	
33 42 31 00-0630 EA 10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,371.89	
33 42 31 00-0631 EA 12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,949.53	
33 42 31 00-0632 EA 14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,400.55	
33 42 31 00-0633 EA 16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,809.96	
33 42 31 00-0634 EA 18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	18,110.66	
33 42 31 00-0635 EA 20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	19,302.59	
33 42 31 00-0636 Type GT3 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0637 EA 3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,981.96	
33 42 31 00-0638 EA 4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,646.83	
33 42 31 00-0639 EA 5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,267.23	
33 42 31 00-0640 EA 6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,842.09	
33 42 31 00-0641 EA 7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,370.49	
33 42 31 00-0642 EA 8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,854.27	
33 42 31 00-0643 Type GT4 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0644 EA 3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,017.72	
33 42 31 00-0645 EA 4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,736.22	
33 42 31 00-0646 EA 5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,404.85	
33 42 31 00-0647 EA 6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,022.63	
33 42 31 00-0648 EA 7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,590.52	
33 42 31 00-0649 EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,108.57	
33 42 31 00-0650 EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,686.33	
33 42 31 00-0651 EA 10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,391.20	
33 42 31 00-0652 EA 12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,968.40	
33 42 31 00-0653 EA 14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,417.93	
33 42 31 00-0654 EA 16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,826.99	
33 42 31 00-0655 EA 18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	18,127.32	
33 42 31 00-0656 EA 20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	19,318.91	
33 42 31 00-0657 Type GO Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0658 EA 3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,854.12	

33	Utilities
33 40	Stormwater Utilities
33 42	Stormwater Conveyance



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0659 EA 4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,321.29	
33 42 31 00-0660 EA 5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,756.27	
33 42 31 00-0661 EA 6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,159.07	
33 42 31 00-0662 EA 7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,529.66	
33 42 31 00-0663 EA 8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,869.09	
33 42 31 00-0664 EA 8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,696.25	
33 42 31 00-0665 EA 10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,818.16	
33 42 31 00-0666 EA 12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,856.60	
33 42 31 00-0667 EA 14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,810.61	
33 42 31 00-0668 EA 16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,738.18	
33 42 31 00-0669 EA 18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,593.61	
33 42 31 00-0670 EA 20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,378.97	
33 42 31 00-0671 Type GDO Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0672 EA 3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,728.76	
33 42 31 00-0673 EA 4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,342.96	
33 42 31 00-0674 EA 5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,915.00	
33 42 31 00-0675 EA 6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,445.91	
33 42 31 00-0676 EA 7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,933.61	
33 42 31 00-0677 EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	6,380.19	
33 42 31 00-0678 EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,612.27	
33 42 31 00-0679 EA 10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,058.45	
33 42 31 00-0680 EA 12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,397.11	
33 42 31 00-0681 EA 14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,629.31	
33 42 31 00-0682 EA 16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	13,824.79	
33 42 31 00-0683 EA 18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	14,928.68	
33 42 31 00-0684 EA 20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	15,941.00	
33 42 33 Stormwater Curbside Drains and Inlets (33 42)		
33 42 33 00-0001 Curb Inlet Frames And Covers (33 42 33)		
33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers (33 42 33 00-0001)		
33 42 33 00-0003 EA 20" x 22" Cast Iron Curb Inlet Frame And Cover	1,244.92	120.74
33 42 33 00-0004 EA 22" x 24" Cast Iron Curb Inlet Frame And Cover	1,332.40	140.35
33 42 33 00-0005 EA 24" x 24" Cast Iron Curb Inlet Frame And Cover	1,383.04	140.35
33 42 33 00-0006 EA 27" x 27" Cast Iron Curb Inlet Frame And Cover	1,514.84	165.12
33 42 33 00-0007 EA 36" x 24" Cast Iron Curb Inlet Frame And Cover	1,501.95	176.47
33 42 36 Stormwater Trench Drains (33 42)		
33 42 36 00-0001 Modular Trench Drains (33 42 36)		
33 42 36 00-0002 Modular Trench Drains (33 42 36 00-0001)		
Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.		
33 42 36 00-0003 4" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0004 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0005 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0006 LF 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zurn Z844-C).....	64.98	16.51
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	99.22	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	198.45	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	317.52	
For Type 304 Stainless Steel Top Veneer Frame, Add	79.38	
For Aluminum Veneer Bronze Anodized Frame, Add	39.69	
33 42 36 00-0007 Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0008 EA Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	49.58	
33 42 36 00-0009 EA No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	59.90	
33 42 36 00-0010 EA No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	59.90	
33 42 36 00-0011 6" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0012 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0013 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0014 LF 6" Wide, High Density Polyethylene, Modular Trench Drain	202.73	16.51
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	99.22	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	198.45	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	317.52	
For Type 304 Stainless Steel Top Veneer Frame, Add	79.38	
For Aluminum Veneer Bronze Anodized Frame, Add	39.69	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0058 12" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0059 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0058)</small>		
33 42 36 00-0060 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0059)</small>		
33 42 36 00-0061 LF 12" Wide, High Density Polyethylene, Modular Trench Drain	382.77	22.70
<i>For Acid Resistant Coated Top Frame, Add</i>	103.19	
<i>For Galvanized Welded Frame Assembly, Add</i>	108.16	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	619.16	
33 42 36 00-0062 Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0059)</small>		
33 42 36 00-0063 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	190.24	
33 42 36 00-0064 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	204.01	
33 42 36 00-0065 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	204.01	
33 42 36 00-0066 Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0059)</small>		
33 42 36 00-0067 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains	318.85	
33 42 36 00-0068 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	418.07	
33 42 36 00-0069 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	1,666.98	
33 42 36 00-0070 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains	3,254.58	
33 42 36 00-0071 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	396.90	
33 42 36 00-0072 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0058)</small>		
33 42 36 00-0073 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0072)</small>		
33 42 36 00-0074 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	482.00	22.70
<i>For Acid Resistant Coated Top Frame, Add</i>	103.19	
<i>For Galvanized Welded Frame Assembly, Add</i>	108.16	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	619.16	
33 42 36 00-0075 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0072)</small>		
33 42 36 00-0076 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	198.18	
33 42 36 00-0077 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	211.95	
33 42 36 00-0078 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	211.95	
33 42 36 00-0079 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0072)</small>		
33 42 36 00-0080 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	318.85	
33 42 36 00-0081 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	418.07	
33 42 36 00-0082 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,666.98	
33 42 36 00-0083 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,254.58	
33 42 36 00-0084 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	396.90	
33 42 36 00-0085 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0058)</small>		
33 42 36 00-0086 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0085)</small>		
33 42 36 00-0087 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain	680.45	22.70
<i>For Acid Resistant Coated Top Frame, Add</i>	103.19	
<i>For Galvanized Welded Frame Assembly, Add</i>	108.16	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	619.16	
33 42 36 00-0088 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0085)</small>		
33 42 36 00-0089 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	495.85	
33 42 36 00-0090 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	509.62	
33 42 36 00-0091 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	509.62	
33 42 36 00-0092 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0085)</small>		
33 42 36 00-0093 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	318.85	
33 42 36 00-0094 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	418.07	
33 42 36 00-0095 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,666.98	
33 42 36 00-0096 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,254.58	
33 42 36 00-0097 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	396.90	
33 42 36 00-0098 12" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0058)</small>		
33 42 36 00-0099 12" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0098)</small>		



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0100 LF 12" Wide, Polymer Concrete, Modular Trench Drain	616.52	
33 42 36 00-0101 Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains ⁽³³⁾		
^{42 36 00-0098}		
33 42 36 00-0102 EA Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain	309.78	
33 42 36 00-0103 EA No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	534.05	
33 42 36 00-0104 EA No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	121.81	
33 42 36 00-0105 23" Wide, Modular Trench Drains ^(33 42 36 00-0002)		
33 42 36 00-0106 23" Wide, High Density Polyethylene, Modular Trench Drains ^(33 42 36 00-0105)		
33 42 36 00-0107 23" Wide, High Density Polyethylene, Modular Trench Drains ^(33 42 36 00-0106)		
33 42 36 00-0108 LF 23" Wide, High Density Polyethylene, Modular Trench Drain	536.82	30.96
<i>For Acid Resistant Coated Frame, Add</i>	154.79	
<i>For Galvanized Frame Assembly, Add</i>	154.79	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	952.56	
33 42 36 00-0109 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains ^(33 42 36 00-0106)		
33 42 36 00-0110 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	608.24	
33 42 36 00-0111 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	885.53	
33 42 36 00-0112 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	885.53	
33 42 36 00-0113 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains ^(33 42 36 00-0106)		
33 42 36 00-0114 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains	725.54	
33 42 36 00-0115 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	3,304.19	
33 42 36 00-0116 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains	6,479.39	
33 42 36 00-0117 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	793.80	
33 42 36 00-0118 Modular Trench Drain Grates ^(33 42 36 00-0001)		
33 42 36 00-0119 4" Wide, Modular Trench Drain Grates ^(33 42 36 00-0118)		
33 42 36 00-0120 LF 4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	42.06	3.09
33 42 36 00-0121 LF 4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)	44.23	3.09
33 42 36 00-0122 LF 4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	35.55	3.09
33 42 36 00-0123 LF 4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS)	95.25	3.09
33 42 36 00-0124 LF 4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG)	35.55	3.09
33 42 36 00-0125 LF 4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	95.25	3.09
33 42 36 00-0126 6" Wide, Modular Trench Drain Grates ^(33 42 36 00-0118)		
33 42 36 00-0127 LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	195.67	3.09
33 42 36 00-0128 LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	165.71	3.09
33 42 36 00-0129 LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	174.04	3.09
33 42 36 00-0130 LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	152.01	3.09
33 42 36 00-0131 LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	163.92	3.09
33 42 36 00-0132 LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	165.90	3.09
33 42 36 00-0133 LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	165.90	3.09
33 42 36 00-0134 LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	163.92	3.09
33 42 36 00-0135 LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	144.08	3.09
33 42 36 00-0136 LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	144.08	3.09
33 42 36 00-0137 LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	153.20	3.09
33 42 36 00-0138 LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	153.20	3.09
33 42 36 00-0139 LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	199.64	3.09
33 42 36 00-0140 LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	199.64	3.09
33 42 36 00-0141 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	366.34	3.09
33 42 36 00-0142 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	366.34	3.09
33 42 36 00-0143 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	1,021.22	3.09
33 42 36 00-0144 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	136.14	3.09
33 42 36 00-0145 LF 6" Wide, Fiberglass, Modular Trench Drain Grate	294.90	3.09
33 42 36 00-0146 12" Wide, Modular Trench Drain Grates ^(33 42 36 00-0118)		
33 42 36 00-0147 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	541.50	3.35
33 42 36 00-0148 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	517.68	3.35
33 42 36 00-0149 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	450.21	3.35
33 42 36 00-0150 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	473.03	3.35
33 42 36 00-0151 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	408.53	3.35
33 42 36 00-0152 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	800.47	3.35
33 42 36 00-0153 LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	800.47	3.35
33 42 36 00-0154 LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	1,021.74	3.35
33 42 36 00-0155 LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	1,021.74	3.35
33 42 36 00-0156 LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	1,304.54	3.35
33 42 36 00-0157 LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	1,304.54	3.35

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0158 LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate.....	1,238.05	3.35
33 42 36 00-0159 LF 12" Wide, Fiberglass, Modular Trench Drain Grate.....	584.16	3.35
33 42 36 00-0160 23" Wide, Modular Trench Drain Grates (33 42 36 00-0118)		
33 42 36 00-0161 LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	855.56	3.61
33 42 36 00-0162 LF 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	720.61	3.61
33 42 36 00-0163 LF 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	1,117.51	3.61
33 42 36 00-0164 LF 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	827.77	3.61
33 44 Storm Utility Water Drains (33 40)		
33 44 36 Oil and Stormwater Separators (33 44)		
33 44 36 00-0001 Oil/Water Separator (33 44 36) Note: Complete with internal sensors and detectors.		
33 44 36 00-0002 Coalescing Oil Water Separator (33 44 36 00-0001) Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0004 EA 550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	18,304.38	
<i>For Interior Polyurethane Coating, Add</i>	711.00	
33 44 36 00-0005 EA 1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 1000. 4' diameter x 14' long tank.	22,391.46	
<i>For Interior Polyurethane Coating, Add</i>	893.70	
33 44 36 00-0006 EA 2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	26,810.22	
<i>For Interior Polyurethane Coating, Add</i>	1,340.10	
33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0008 EA 550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	28,420.54	
<i>For Interior Polyurethane Coating, Add</i>	711.00	
33 44 36 00-0009 EA 1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 1000. 4' diameter x 14' long tank.	32,685.75	
<i>For Interior Polyurethane Coating, Add</i>	893.70	
33 44 36 00-0010 EA 2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	39,911.34	
<i>For Interior Polyurethane Coating, Add</i>	1,340.10	
33 44 36 00-0011 EA 3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	46,450.30	
<i>For Interior Polyurethane Coating, Add</i>	1,550.70	
33 44 36 00-0012 EA 5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	61,662.36	
<i>For Interior Polyurethane Coating, Add</i>	2,057.80	
33 44 36 00-0013 Accessories For Coalescing Oil Water Separators (33 44 36 00-0002)		
33 44 36 00-0014 EA Single Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP1.	1,196.33	
33 44 36 00-0015 EA Two Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP2.	1,620.48	
33 44 36 00-0016 EA Float Interface Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	948.37	
33 44 36 00-0017 EA 1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	708.23	
33 44 36 00-0018 EA Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	257.97	
33 44 36 00-0019 EA 550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator.....	3,879.78	
33 44 36 00-0020 EA 3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator.....	7,759.55	
33 44 36 00-0021 EA 5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator.....	11,639.40	
33 44 36 00-0022 EA 550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	700.14	
33 44 36 00-0023 EA 2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	828.21	
33 44 36 00-0024 EA 3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	1,656.41	
33 44 36 00-0025 EA 5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	3,685.32	
33 44 36 00-0026 EA 30" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,000.31	
33 44 36 00-0027 EA 36" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,304.94	
33 44 36 00-0028 EA 48" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,809.70	
33 44 36 00-0029 EA 54" x 54" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	3,306.56	



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Storm Utility Water Drains	33 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0030 EA 66" x 54" Grade Level Manway For Coalescing Oil Water Separator .....4,255.10 Note: Required when installed in paved areas.	4,255.10	
33 44 36 00-0031 EA 66" x 66" Grade Level Manway For Coalescing Oil Water Separator .....5,343.73 Note: Required when installed in paved areas.	5,343.73	
33 44 36 00-0032 EA 78" x 66" Grade Level Manway For Coalescing Oil Water Separator .....6,740.53 Note: Required when installed in paved areas.	6,740.53	
33 44 36 00-0033 EA 550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....1,334.77	1,334.77	
33 44 36 00-0034 EA 1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....1,626.94	1,626.94	
33 44 36 00-0035 EA 2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....2,555.47	2,555.47	
33 44 36 00-0036 EA 550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....1,272.73	1,272.73	
33 44 36 00-0037 EA 1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....1,544.89	1,544.89	
33 44 36 00-0038 EA 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....1,833.05	1,833.05	
33 44 36 00-0039 EA 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....108.06	108.06	
33 44 36 00-0040 EA 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....122.07	122.07	
33 44 36 00-0041 Oil Skimmers (33 44 36)		
33 44 36 00-0042 Oil Skimmers, 12" And 24" Models (33 44 36 00-0041)		
33 44 36 00-0043 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase .....5,475.23	5,475.23	813.06
33 44 36 00-0044 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase .....5,711.03	5,711.03	813.06
33 44 36 00-0045 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase .....5,497.07	5,497.07	813.06
33 44 36 00-0046 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase .....5,799.45	5,799.45	813.06
33 44 36 00-0047 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....5,744.87	5,744.87	813.06
33 44 36 00-0048 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....5,944.64	5,944.64	813.06
33 44 36 00-0049 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....5,796.17	5,796.17	813.06
33 44 36 00-0050 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....6,097.47	6,097.47	813.06
33 44 36 00-0051 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase .....6,270.87	6,270.87	1,084.31
33 44 36 00-0052 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase .....6,523.04	6,523.04	1,084.31
33 44 36 00-0053 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase .....6,337.46	6,337.46	1,084.31
33 44 36 00-0054 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase .....6,699.89	6,699.89	1,084.31
33 44 36 00-0055 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....6,908.39	6,908.39	1,084.31
33 44 36 00-0056 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....7,160.56	7,160.56	1,084.31
33 44 36 00-0057 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....6,961.88	6,961.88	1,084.31
33 44 36 00-0058 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....7,325.40	7,325.40	1,084.31
33 44 36 00-0059 Oil Skimmers, Add-Ons (33 44 36 00-0041)		
33 44 36 00-0060 LF Add For Belt Projection, 12" Width.....16.37	16.37	
33 44 36 00-0061 LF Add For Belt Projection, 24" Width.....30.57	30.57	
33 44 36 00-0062 LF Add For Spacer Stands, 12" Models.....297.05	297.05	
33 44 36 00-0063 LF Add For Spacer Stands, 24" Models.....345.08	345.08	
33 46 Stormwater Management (33 40)		
33 46 53 Stormwater Leaching Pits (33 46)		
33 46 53 00-0001 Drainage Wells (33 46 53)		
Note: Includes augering hole.		
33 46 53 00-0002 LF 12" Diameter Drainage Well With Corrugated Metal Liner .....29.16	29.16	
33 46 53 00-0003 LF 18" Diameter Drainage Well With Corrugated Metal Liner.....35.46	35.46	
33 46 53 00-0004 LF 24" Diameter Drainage Well With Corrugated Metal Liner .....47.16	47.16	
33 50 Hydrocarbon Utilities (33)		
33 52 Hydrocarbon Transmission and Distribution (33 50)		
33 52 16 Gas Hydrocarbon Piping (33 52)		
33 52 16 13 Steel Natural Gas Piping (33 52 16)		
See CSI section 23 05 23 00-0000 for gas valves.		
33 52 16 13-0001 Gas Distribution Lines (33 52 16 13)		
Note: Excludes excavation and backfill.		
33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped (33 52 16 13-0001)		
33 52 16 13-0003 LF 1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel .....20.60	20.60	3.44
33 52 16 13-0004 LF 3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel .....23.65	23.65	3.77
33 52 16 13-0005 LF 1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel .....26.85	26.85	3.88
33 52 16 13-0006 LF 1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....27.53	27.53	3.98
33 52 16 13-0007 LF 1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....28.52	28.52	4.03
33 52 16 13-0008 LF 2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel .....30.25	30.25	4.32
33 52 16 13-0009 LF 2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....40.45	40.45	4.72
33 52 16 13-0010 LF 3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....50.44	50.44	5.97
33 52 16 13-0011 LF 4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....67.72	67.72	7.21
33 52 16 13-0012 LF 5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....91.05	91.05	8.35
33 52 16 13-0013 LF 6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....114.40	114.40	10.20
33 52 16 13-0014 LF 8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....165.96	165.96	13.11

33 Utilities**33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0015 Gas Line Taps <small>(33 52 16 13-0001)</small> Note: Includes material to tap into main and gas valve.		
33 52 16 13-0016 Polyethylene, 60 PSI <small>(33 52 16 13-0015)</small>		
33 52 16 13-0017 EA 2" Polyethylene Hot Tap, With Valve	2,447.12	
33 52 16 13-0018 EA 2-1/2" Polyethylene Hot Tap, With Valve	1,807.14	
33 52 16 13-0019 EA 3" Polyethylene Hot Tap, With Valve	1,917.07	
33 52 16 13-0020 EA 4" Polyethylene Hot Tap, With Valve	4,297.07	
33 52 16 13-0021 EA 6" Polyethylene Hot Tap, With Valve	6,642.33	
33 52 16 13-0022 Steel, Schedule 40 <small>(33 52 16 13-0015)</small> Note: For punch steel service tee.		
33 52 16 13-0023 EA 1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,977.93	
33 52 16 13-0024 EA 3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,028.37	
33 52 16 13-0025 EA 3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,099.13	
33 52 16 13-0026 EA 3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,167.52	
33 52 16 13-0027 EA 1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,217.78	
33 52 16 13-0028 EA 1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,501.11	
33 52 16 13-0029 EA 1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	3,590.62	
33 52 16 13-0030 Protective Pipe And Fitting Wrap <small>(33 52 16 13-0001)</small> Note: Includes cleaning and priming pipe.		
33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe <small>(33 52 16 13-0030)</small> Note: Field applied.		
33 52 16 13-0032 LF 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.75	
33 52 16 13-0033 LF 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.99	
33 52 16 13-0034 LF 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.27	
33 52 16 13-0035 LF 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.76	
33 52 16 13-0036 LF 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.17	
33 52 16 13-0037 LF 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.88	
33 52 16 13-0038 LF 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.02	
33 52 16 13-0039 LF 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	8.52	
33 52 16 13-0040 LF 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	10.56	
33 52 16 13-0041 LF 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	13.76	
33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings <small>(33 52 16 13-0030)</small> Note: Field applied.		
33 52 16 13-0043 EA 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	24.43	
33 52 16 13-0044 EA 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	24.43	
33 52 16 13-0045 EA 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	30.31	
33 52 16 13-0046 EA 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	33.80	
33 52 16 13-0047 EA 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	33.80	
33 52 16 13-0048 EA 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	39.98	
33 52 16 13-0049 EA 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	53.58	
33 52 16 13-0050 EA 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	70.77	
33 52 16 13-0051 EA 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	71.26	
33 52 16 13-0052 EA 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	81.60	
33 52 16 13-0053 Service Fittings <small>(33 52 16 13-0001)</small>		
33 52 16 13-0054 Brass Fittings <small>(33 52 16 13-0053)</small>		
33 52 16 13-0055 EA 1/2" X 2" Long Nipples, Threaded Both Ends, Brass	41.81	
33 52 16 13-0056 EA 3/4" X 2" Long Nipples, Threaded Both Ends, Brass	48.33	
33 52 16 13-0057 EA 1" X 2" Long Nipples, Threaded Both Ends, Brass	60.93	
33 52 16 13-0058 EA 1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	75.05	
33 52 16 13-0059 EA 1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	83.95	
33 52 16 13-0060 EA 2" X 2" Long Nipples, Threaded Both Ends, Brass	108.09	
33 52 16 13-0061 EA 1/2" 90 Degree Elbow, Brass	37.17	
33 52 16 13-0062 EA 3/4" 90 Degree Elbow, Brass	42.63	
33 52 16 13-0063 EA 1" 90 Degree Elbow, Brass	55.06	
33 52 16 13-0064 EA 1-1/4" 90 Degree Elbow, Brass	70.77	
33 52 16 13-0065 EA 1-1/2" 90 Degree Elbow, Brass	80.72	
33 52 16 13-0066 EA 2" 90 Degree Elbow, Brass	107.18	
33 52 16 13-0067 EA 1/2" Diameter Chrome Plated Nipple	32.83	
33 52 16 13-0068 EA 3/4" Diameter Chrome Plated Nipple	42.22	
33 52 16 13-0069 EA 1" Diameter Chrome Plated Nipple	55.00	
33 52 16 13-0070 EA 1-1/4" Diameter Chrome Plated Nipple	78.26	
33 52 16 13-0071 EA 1-1/2" Diameter Chrome Plated Nipple	94.71	
33 52 16 13-0072 EA 2" Diameter Chrome Plated Nipple	127.23	



	Utilities	33	
	Hydrocarbon Utilities	33 50	CS
	Hydrocarbon Transmission and Distribution	33 52	

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

33 52 16 13-0073	Anodless Gas Riser <small>(33 52 16 13-0053)</small>		
33 52 16 13-0074	EA 3/4" Anodless Gas Riser	107.22	
33 52 16 13-0075	EA 1" Anodless Gas Riser	132.27	
33 52 16 13-0076	EA 1-1/4" Anodless Gas Riser	154.44	
33 52 16 13-0077	EA 1-1/2" Anodless Gas Riser	191.69	
33 52 16 13-0078	EA 2" Anodless Gas Riser	219.40	

33 52 16 13-0079	Brass Service Adapter <small>(33 52 16 13-0053)</small>		
33 52 16 13-0080	EA 1/2" Brass Service Adapter	87.01	
33 52 16 13-0081	EA 3/4" Brass Service Adapter	95.75	
33 52 16 13-0082	EA 1" Brass Service Adapter	114.82	
33 52 16 13-0083	EA 1-1/4" Brass Service Adapter	138.72	
33 52 16 13-0084	EA 1-1/2" Brass Service Adapter	165.94	
33 52 16 13-0085	EA 2" Brass Service Adapter	198.86	
33 52 16 13-0086	EA 2-1/2" Brass Service Adapter	336.09	
33 52 16 13-0087	EA 3" Brass Service Adapter	410.41	
33 52 16 13-0088	EA 4" Brass Service Adapter	590.37	

33 52 16 23 Medium Density Polyethylene Piping for Natural Gas (33 52 16)

33 52 16 23-0001	Medium Density Polyethylene (MDPE) Gas Distribution Piping <small>(33 52 16 23)</small>		
	Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 23-0002	LF 1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.62	2.12
	For Colors, Add	0.05	
33 52 16 23-0003	LF 3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.10	2.27
	For SDR 13.5, Deduct	-0.10	
	For Colors, Add	0.07	
33 52 16 23-0004	LF 1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.60	2.42
	For SDR 13.5, Deduct	-0.13	
	For Colors, Add	0.08	
33 52 16 23-0005	LF 1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.11	2.57
	For SDR 13.5, Deduct	-0.15	
	For Colors, Add	0.10	
33 52 16 23-0006	LF 1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.93	3.10
	For SDR 13.5, Deduct	-0.21	
	For Colors, Add	0.14	
33 52 16 23-0007	LF 2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.77	3.37
	For SDR 13.5, Deduct	-0.28	
	For SDR 15.5, Deduct	-0.52	
	For Colors, Add	0.18	
33 52 16 23-0008	LF 2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	9.57	3.94
	For SDR 13.5, Deduct	-0.47	
	For SDR 15.5, Deduct	-0.86	
	For Colors, Add	0.30	
33 52 16 23-0009	LF 3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	11.56	4.69
	For SDR 13.5, Deduct	-0.64	
	For SDR 15.5, Deduct	-1.17	
	For Colors, Add	0.41	
33 52 16 23-0010	LF 4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	17.44	4.82
	For SDR 13.5, Deduct	-1.18	
	For SDR 15.5, Deduct	-2.16	
	For Colors, Add	0.76	
33 52 16 23-0011	LF 5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	21.91	4.82
	For SDR 13.5, Deduct	-1.63	
	For SDR 15.5, Deduct	-3.00	
	For Colors, Add	1.05	
33 52 16 23-0012	LF 6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	26.48	4.82
	For SDR 13.5, Deduct	-2.09	
	For SDR 15.5, Deduct	-3.84	
	For Colors, Add	1.35	
33 52 16 23-0013	LF 8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	38.88	6.02
	For SDR 13.5, Deduct	-3.48	
	For SDR 15.5, Deduct	-6.39	
	For Colors, Add	2.24	

33 52 16 26 High Density Polyethylene Piping for Natural Gas (33 52 16)

33 52 16 26-0001	High Density Polyethylene (HDPE) Gas Distribution Piping <small>(33 52 16 26)</small>		
	Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 26-0002	LF 1/2" Diameter, SDR 9 High Density Polyethylene (HDPE) Gas Distribution Pipe	4.68	2.12
33 52 16 26-0003	LF 3/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	5.20	2.27
	For SDR 13.5, Deduct	-0.11	
33 52 16 26-0004	LF 1" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	5.69	2.42
	For SDR 13.5, Deduct	-0.14	
33 52 16 26-0005	LF 1-1/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	6.24	2.57
	For SDR 13.5, Deduct	-0.17	
33 52 16 26-0006	LF 1-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	7.11	3.10
	For SDR 13.5, Deduct	-0.24	

33 Utilities**33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 26-0007 LF 2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	7.99	3.37
For SDR 13.5, Deduct	-0.31	
For SDR 15.5, Deduct	-0.57	
For SDR 17, Deduct	-0.82	
33 52 16 26-0008 LF 2-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	9.95	3.94
For SDR 13.5, Deduct	-0.51	
For SDR 15.5, Deduct	-0.94	
For SDR 17, Deduct	-1.37	
33 52 16 26-0009 LF 3" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	12.08	4.69
For SDR 13.5, Deduct	-0.70	
For SDR 15.5, Deduct	-1.29	
For SDR 17, Deduct	-1.87	
For SDR 21, Deduct	-2.56	
33 52 16 26-0010 LF 4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	18.39	4.82
For SDR 13.5, Deduct	-1.29	
For SDR 15.5, Deduct	-2.38	
For SDR 17, Deduct	-3.46	
For SDR 21, Deduct	-4.73	
33 52 16 26-0011 LF 6" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	28.17	4.82
For SDR 13.5, Deduct	-2.30	
For SDR 15.5, Deduct	-4.22	
For SDR 17, Deduct	-6.13	
For SDR 21, Deduct	-8.39	
33 52 16 26-0012 LF 8" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	41.68	6.02
For SDR 13.5, Deduct	-3.82	
For SDR 15.5, Deduct	-7.03	
For SDR 17, Deduct	-10.21	
For SDR 21, Deduct	-13.97	

33 53 Hydrocarbon Utility Pressure Regulation ^(33 50)**33 53 16 Gas Hydrocarbon Pressure Regulation** ^(33 53)**33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends** ^(33 53 16)

33 53 16 00-0002 EA 3/4" Gas Pressure Regulator, Screwed End	267.94	23.55
33 53 16 00-0003 EA 1" Gas Pressure Regulator, Screwed End	273.29	23.55
33 53 16 00-0004 EA 1-1/4" Gas Pressure Regulator, Screwed End	286.11	27.96
33 53 16 00-0005 EA 1-1/2" Gas Pressure Regulator, Screwed End	933.98	32.37
33 53 16 00-0006 EA 2" Gas Pressure Regulator, Screwed End	1,001.54	50.13
33 53 16 00-0007 EA 3" Gas Pressure Regulator, Screwed End	2,800.51	112.46
33 53 16 00-0008 EA 4" Gas Pressure Regulator, Screwed End	3,886.91	149.04

33 56 Hydrocarbon Storage ^(33 50)**33 56 13 Aboveground Hydrocarbon Storage Tanks** ^(33 56)

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage ^(33 56)

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering ^(33 50)**33 59 11 Diaphragm/Bellows Hydrocarbons Meters** ^(33 59)**33 59 11 00-0001 Diaphragm Meters** ^(33 59 11)Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections.
Excludes pressure and temperature compensation.

33 59 11 00-0002 EA 250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded	672.30	92.13
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0003 EA 425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded	1,304.59	140.91
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0004 EA 425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	1,523.24	140.91
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0005 EA 800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded	3,269.49	176.13
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0006 EA 1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	3,706.80	216.78
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0007 EA 800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	4,831.86	176.13
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0008 EA 1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	5,388.08	216.78
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0009 EA 1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	7,090.25	230.33
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0010 EA 2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	10,012.21	270.97
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	



Utilities	33	CS
Hydrocarbon Utilities	33 50	
Hydrocarbon Utility Metering	33 59	

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

33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded <i>For Temperature And Pressure Compensation, Add For Pulsers, Add</i>	15,309.03	447.11
			8.40	
			26.50	

33 59 16 Hydrocarbons Turbine Meters (33 59)

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading (33 59 16)

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	12,237.79	444.53
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	13,025.30	516.23
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	20,140.01	558.87
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	39,122.47	680.37
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	64,683.71	850.45

33 60 Hydronic and Steam Energy Utilities (33)

33 61 Hydronic Energy Distribution (33 60)

33 61 13 Buried Hydronic Energy Distribution (33 61)

33 61 13 00-0001 Glass Lined Steel Piping (33 61 13)

33 61 13 00-0002 Glass Lined Steel Pipe (33 61 13 00-0001)

Note: 150 PSIG

33 61 13 00-0003	EA	4" X 1' Glass Lined Steel Pipe	1,525.11	
33 61 13 00-0004	EA	4" X 2' Glass Lined Steel Pipe	1,683.81	
33 61 13 00-0005	EA	4" X 3' Glass Lined Steel Pipe	1,683.81	
33 61 13 00-0006	EA	4" X 4' Glass Lined Steel Pipe	2,001.21	
33 61 13 00-0007	EA	4" X 5' Glass Lined Steel Pipe	2,844.29	
33 61 13 00-0008	EA	4" X 10' Glass Lined Steel Pipe	3,293.93	
33 61 13 00-0009	EA	6" X 1' Glass Lined Steel Pipe	1,277.15	
33 61 13 00-0010	EA	6" X 2' Glass Lined Steel Pipe	2,764.94	
33 61 13 00-0011	EA	6" X 3' Glass Lined Steel Pipe	2,764.94	
33 61 13 00-0012	EA	6" X 4' Glass Lined Steel Pipe	3,131.92	
33 61 13 00-0013	EA	6" X 5' Glass Lined Steel Pipe	5,052.82	
33 61 13 00-0014	EA	6" X 10' Glass Lined Steel Pipe	5,847.83	
33 61 13 00-0015	EA	8" X 1' Glass Lined Steel Pipe	3,154.17	
33 61 13 00-0016	EA	8" X 2' Glass Lined Steel Pipe	3,798.88	
33 61 13 00-0017	EA	8" X 3' Glass Lined Steel Pipe	3,798.88	
33 61 13 00-0018	EA	8" X 4' Glass Lined Steel Pipe	4,368.76	
33 61 13 00-0019	EA	8" X 5' Glass Lined Steel Pipe	5,917.26	
33 61 13 00-0020	EA	8" X 10' Glass Lined Steel Pipe	6,725.17	
33 61 13 00-0021	EA	12" X 1' Glass Lined Steel Pipe	8,558.25	
33 61 13 00-0022	EA	12" X 2' Glass Lined Steel Pipe	8,558.25	
33 61 13 00-0023	EA	12" X 3' Glass Lined Steel Pipe	8,869.03	
33 61 13 00-0024	EA	12" X 4' Glass Lined Steel Pipe	9,458.70	
33 61 13 00-0025	EA	12" X 5' Glass Lined Steel Pipe	10,613.72	
33 61 13 00-0026	EA	12" X 10' Glass Lined Steel Pipe	13,111.04	
33 61 13 00-0027	EA	16" X 10' Glass Lined Steel Pipe	17,859.41	

33 61 13 00-0028 90 Degree Elbow, Glass Lined Steel Fittings (33 61 13 00-0001)

Note: 150 PSIG

33 61 13 00-0029	EA	4" 90 Degree Elbow, Glass Lined Steel Fittings.....	1,844.24	
33 61 13 00-0030	EA	6" 90 Degree Elbow, Glass Lined Steel Fittings.....	3,012.57	
33 61 13 00-0031	EA	8" 90 Degree Elbow, Glass Lined Steel Fittings.....	5,541.59	
33 61 13 00-0032	EA	10" 90 Degree Elbow, Glass Lined Steel Fittings.....	9,837.54	
33 61 13 00-0033	EA	12" 90 Degree Elbow, Glass Lined Steel Fittings.....	14,573.69	
33 61 13 00-0034	EA	14" 90 Degree Elbow, Glass Lined Steel Fittings.....	17,114.57	
33 61 13 00-0035	EA	16" 90 Degree Elbow, Glass Lined Steel Fittings.....	19,655.05	

33 61 13 00-0036 45 Degree Elbow, Glass Lined Steel Fittings (33 61 13 00-0001)

Note: 150 PSIG

33 61 13 00-0037	EA	4" 45 Degree Elbow, Glass Lined Steel Fittings.....	1,807.88	
33 61 13 00-0038	EA	6" 45 Degree Elbow, Glass Lined Steel Fittings.....	3,012.57	
33 61 13 00-0039	EA	8" 45 Degree Elbow, Glass Lined Steel Fittings.....	5,792.86	
33 61 13 00-0040	EA	10" 45 Degree Elbow, Glass Lined Steel Fittings.....	16,304.46	
33 61 13 00-0041	EA	12" 45 Degree Elbow, Glass Lined Steel Fittings.....	14,573.69	
33 61 13 00-0042	EA	14" 45 Degree Elbow, Glass Lined Steel Fittings.....	17,114.57	
33 61 13 00-0043	EA	16" 45 Degree Elbow, Glass Lined Steel Fittings.....	19,655.05	

33 61 13 00-0044 Tee, Glass Lined Steel Fittings (33 61 13 00-0001)

Note: 150 PSIG

33 61 13 00-0045	EA	4" Tee, Glass Lined Steel Fittings.....	2,867.27	
33 61 13 00-0046	EA	6" Tee, Glass Lined Steel Fittings.....	4,916.79	
33 61 13 00-0047	EA	8" Tee, Glass Lined Steel Fittings.....	7,272.94	
33 61 13 00-0048	EA	10" Tee, Glass Lined Steel Fittings.....	12,556.95	
33 61 13 00-0049	EA	12" Tee, Glass Lined Steel Fittings.....	17,866.48	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0050	EA		14" Tee, Glass Lined Steel Fittings.....	21,053.73	
33 61 13 00-0051	EA		16" Tee, Glass Lined Steel Fittings.....	24,183.29	
33 61 13 00-0052			Prefabricated/Preinsulated Pipe <small>(33 61 13)</small> Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system.		
33 61 13 00-0053			Preinsulated Schedule 40 Black Steel Pipe <small>(33 61 13 00-0052)</small> Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0054			Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0055	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	149.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.42	
			<i>For Schedule 80 Pipe, Add</i>	24.18	
33 61 13 00-0056	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	163.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.66	
			<i>For Schedule 80 Pipe, Add</i>	26.59	
33 61 13 00-0057	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	182.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.00	
			<i>For Schedule 80 Pipe, Add</i>	29.95	
33 61 13 00-0058	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	195.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.21	
			<i>For Schedule 80 Pipe, Add</i>	32.15	
33 61 13 00-0059	LF		2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	204.70	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.36	
			<i>For Schedule 80 Pipe, Add</i>	33.61	
33 61 13 00-0060	LF		2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	227.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.65	
			<i>For Schedule 80 Pipe, Add</i>	36.53	
33 61 13 00-0061	LF		3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	252.58	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.95	
			<i>For Schedule 80 Pipe, Add</i>	39.45	
33 61 13 00-0062	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	318.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.97	
			<i>For Schedule 80 Pipe, Add</i>	49.68	
33 61 13 00-0063	LF		5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	404.08	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
			<i>For Schedule 80 Pipe, Add</i>	63.56	
33 61 13 00-0064	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	470.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.38	
			<i>For Schedule 80 Pipe, Add</i>	73.79	
33 61 13 00-0065	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	659.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.74	
			<i>For Schedule 80 Pipe, Add</i>	107.40	
33 61 13 00-0066	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	854.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.17	
			<i>For Schedule 80 Pipe, Add</i>	141.73	
33 61 13 00-0067	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,062.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.68	
			<i>For Schedule 80 Pipe, Add</i>	176.80	
33 61 13 00-0068			Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0069	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	161.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.66	
			<i>For Schedule 80 Pipe, Add</i>	26.60	
33 61 13 00-0070	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	177.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.93	
			<i>For Schedule 80 Pipe, Add</i>	29.25	
33 61 13 00-0071	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	197.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.30	
			<i>For Schedule 80 Pipe, Add</i>	32.95	
33 61 13 00-0072	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	211.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.54	
			<i>For Schedule 80 Pipe, Add</i>	35.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0073 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	221.50	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.70	
<i>For Schedule 80 Pipe, Add</i>	36.97	
33 61 13 00-0074 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	246.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.02	
<i>For Schedule 80 Pipe, Add</i>	40.18	
33 61 13 00-0075 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	272.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.34	
<i>For Schedule 80 Pipe, Add</i>	43.40	
33 61 13 00-0076 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	343.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.46	
<i>For Schedule 80 Pipe, Add</i>	54.65	
33 61 13 00-0077 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	435.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.99	
<i>For Schedule 80 Pipe, Add</i>	69.92	
33 61 13 00-0078 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	506.92	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.12	
<i>For Schedule 80 Pipe, Add</i>	81.17	
33 61 13 00-0079 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	712.80	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.81	
<i>For Schedule 80 Pipe, Add</i>	118.14	
33 61 13 00-0080 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	924.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.59	
<i>For Schedule 80 Pipe, Add</i>	155.91	
33 61 13 00-0081 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,151.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.45	
<i>For Schedule 80 Pipe, Add</i>	194.48	
33 61 13 00-0082 Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0083 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	167.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.78	
<i>For Schedule 80 Pipe, Add</i>	27.81	
33 61 13 00-0084 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	183.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.06	
<i>For Schedule 80 Pipe, Add</i>	30.58	
33 61 13 00-0085 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	204.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.44	
<i>For Schedule 80 Pipe, Add</i>	34.45	
33 61 13 00-0086 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	219.38	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.70	
<i>For Schedule 80 Pipe, Add</i>	36.97	
33 61 13 00-0087 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	229.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.86	
<i>For Schedule 80 Pipe, Add</i>	38.65	
33 61 13 00-0088 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	255.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.20	
<i>For Schedule 80 Pipe, Add</i>	42.01	
33 61 13 00-0089 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	282.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.54	
<i>For Schedule 80 Pipe, Add</i>	45.37	
33 61 13 00-0090 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	356.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.71	
<i>For Schedule 80 Pipe, Add</i>	57.13	
33 61 13 00-0091 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	451.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.31	
<i>For Schedule 80 Pipe, Add</i>	73.10	
33 61 13 00-0092 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	525.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.49	
<i>For Schedule 80 Pipe, Add</i>	84.86	
33 61 13 00-0093 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	739.65	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.35	
<i>For Schedule 80 Pipe, Add</i>	123.51	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0094	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	960.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.30	
			<i>For Schedule 80 Pipe, Add</i>	162.99	
33 61	13 00-0095	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,195.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.33	
			<i>For Schedule 80 Pipe, Add</i>	203.32	
33 61	13 00-0096		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0096)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0097	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	176.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.96	
			<i>For Schedule 80 Pipe, Add</i>	29.62	
33 61	13 00-0098	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	193.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.26	
			<i>For Schedule 80 Pipe, Add</i>	32.58	
33 61	13 00-0099	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	216.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.67	
			<i>For Schedule 80 Pipe, Add</i>	36.69	
33 61	13 00-0100	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	231.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.94	
			<i>For Schedule 80 Pipe, Add</i>	39.38	
33 61	13 00-0101	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	242.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.12	
			<i>For Schedule 80 Pipe, Add</i>	41.17	
33 61	13 00-0102	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	269.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.47	
			<i>For Schedule 80 Pipe, Add</i>	44.75	
33 61	13 00-0103	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	296.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.83	
			<i>For Schedule 80 Pipe, Add</i>	48.33	
33 61	13 00-0104	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	374.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.09	
			<i>For Schedule 80 Pipe, Add</i>	60.86	
33 61	13 00-0105	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	475.58	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.79	
			<i>For Schedule 80 Pipe, Add</i>	77.86	
33 61	13 00-0106	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	553.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.04	
			<i>For Schedule 80 Pipe, Add</i>	90.39	
33 61	13 00-0107	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	779.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.16	
			<i>For Schedule 80 Pipe, Add</i>	131.56	
33 61	13 00-0108	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,013.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.36	
			<i>For Schedule 80 Pipe, Add</i>	173.62	
33 61	13 00-0109	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,261.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.66	
			<i>For Schedule 80 Pipe, Add</i>	216.58	
33 61	13 00-0110		Preinsulated Black Steel Fittings <small>(33 61 13 00-0052)</small>		
			Note: No excavation or backfill.		
33 61	13 00-0111		Elbows <small>(33 61 13 00-0110)</small>		
33 61	13 00-0112		Elbows <small>(33 61 13 00-0111)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0113	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	923.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.66	
33 61	13 00-0114	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	952.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.03	
33 61	13 00-0115	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,090.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.24	
33 61	13 00-0116	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,213.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0117 EA 2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,364.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.72	
33 61 13 00-0118 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,557.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.55	
33 61 13 00-0119 EA 3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,805.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.87	
33 61 13 00-0120 EA 4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,107.00	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.01	
33 61 13 00-0121 EA 5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,567.59	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.30	
33 61 13 00-0122 EA 6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,855.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.37	
33 61 13 00-0123 EA 8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,046.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	61.25	
33 61 13 00-0124 EA 10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,287.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	78.28	
33 61 13 00-0125 EA 12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,829.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	103.61	
33 61 13 00-0126 Elbows <small>(33 61 13 00-0111)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0127 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	982.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.83	
33 61 13 00-0128 EA 1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,012.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.23	
33 61 13 00-0129 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,159.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.60	
33 61 13 00-0130 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,288.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.39	
33 61 13 00-0131 EA 2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,442.04	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.28	
33 61 13 00-0132 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,638.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.17	
33 61 13 00-0133 EA 3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,898.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.73	
33 61 13 00-0134 EA 4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,215.79	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.19	
33 61 13 00-0135 EA 5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,707.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.10	
33 61 13 00-0136 EA 6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,014.73	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.54	
33 61 13 00-0137 EA 8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,276.63	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	65.84	
33 61 13 00-0138 EA 10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,580.83	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	84.16	
33 61 13 00-0139 EA 12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,217.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	111.38	
33 61 13 00-0140 Elbows <small>(33 61 13 00-0111)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0141 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,040.89	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.01	
33 61 13 00-0142 EA 1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,072.94	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.43	
33 61 13 00-0143 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,227.59	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.97	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0144	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,362.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.88	
33 61	13 00-0145	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,519.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.83	
33 61	13 00-0146	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,719.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.78	
33 61	13 00-0147	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,992.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.60	
33 61	13 00-0148	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,324.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.36	
33 61	13 00-0149	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,847.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.90	
33 61	13 00-0150	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,173.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	48.72	
33 61	13 00-0151	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,506.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	70.43	
33 61	13 00-0152	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,874.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	90.03	
33 61	13 00-0153	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,606.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	119.15	
33 61	13 00-0154		Elbows <small>(33 61 13 00-0111)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0155	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,099.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.18	
33 61	13 00-0156	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,133.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.63	
33 61	13 00-0157	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,295.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.34	
33 61	13 00-0158	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,437.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.37	
33 61	13 00-0159	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,597.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.39	
33 61	13 00-0160	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,799.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.40	
33 61	13 00-0161	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,085.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.46	
33 61	13 00-0162	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,433.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.54	
33 61	13 00-0163	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,987.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.69	
33 61	13 00-0164	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,332.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.90	
33 61	13 00-0165	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,735.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	75.03	
33 61	13 00-0166	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,167.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	95.90	
33 61	13 00-0167	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,994.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	126.93	
33 61	13 00-0168		Tees <small>(33 61 13 00-0110)</small>		
33 61	13 00-0169		Tees <small>(33 61 13 00-0168)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0170	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,373.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.25	
33 61	13 00-0171	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,416.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.80	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0172	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,622.29	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.08	
33 61	13 00-0173	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,805.04	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.54	
33 61	13 00-0174	EA		2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,030.35	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.77	
33 61	13 00-0175	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,319.18	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.00	
33 61	13 00-0176	EA		3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,689.75	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.93	
33 61	13 00-0177	EA		4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,138.74	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.08	
33 61	13 00-0178	EA		5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,827.12	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.39	
33 61	13 00-0179	EA		6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,253.04	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	62.91	
33 61	13 00-0180	EA		8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,022.68	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	90.95	
33 61	13 00-0181	EA		10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,874.61	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	116.25	
33 61	13 00-0182	EA		12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,165.82	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	153.86	
33 61	13 00-0183			Tees <small>(33 61 13 00-0168)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0184	EA		3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,460.57	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.99	
33 61	13 00-0185	EA		1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,506.13	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.58	
33 61	13 00-0186	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,723.84	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.11	
33 61	13 00-0187	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,915.82	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.76	
33 61	13 00-0188	EA		2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,145.75	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.08	
33 61	13 00-0189	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,439.19	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.40	
33 61	13 00-0190	EA		3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,828.23	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.70	
33 61	13 00-0191	EA		4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,300.29	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.31	
33 61	13 00-0192	EA		5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,034.84	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.55	
33 61	13 00-0193	EA		6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,488.96	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	67.63	
33 61	13 00-0194	EA		8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,363.75	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	97.77	
33 61	13 00-0195	EA		10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,310.56	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	124.97	
33 61	13 00-0196	EA		12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,742.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	165.40	
33 61	13 00-0197			Tees <small>(33 61 13 00-0168)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0198	EA		3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,547.76	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.74	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0199	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,595.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.37	
33 61 13 00-0200	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,825.40	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.14	
33 61 13 00-0201	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,026.60	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.97	
33 61 13 00-0202	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,261.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.39	
33 61 13 00-0203	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,559.21	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.80	
33 61 13 00-0204	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,966.70	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.47	
33 61 13 00-0205	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,461.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.54	
33 61 13 00-0206	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,242.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	63.70	
33 61 13 00-0207	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,724.89	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	72.35	
33 61 13 00-0208	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,704.82	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	104.59	
33 61 13 00-0209	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,746.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	133.69	
33 61 13 00-0210	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	11,319.80	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	176.94	
33 61 13 00-0211		Tees <small>(33 61 13 00-0168)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0212	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,634.95	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.48	
33 61 13 00-0213	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,684.62	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.15	
33 61 13 00-0214	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,926.95	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.17	
33 61 13 00-0215	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,137.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.19	
33 61 13 00-0216	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,376.55	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.70	
33 61 13 00-0217	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,679.22	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.20	
33 61 13 00-0218	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,105.18	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.24	
33 61 13 00-0219	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,623.41	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.78	
33 61 13 00-0220	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,450.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	67.85	
33 61 13 00-0221	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,960.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	77.07	
33 61 13 00-0222	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,045.88	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	111.41	
33 61 13 00-0223	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,182.46	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	142.41	
33 61 13 00-0224	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	11,896.79	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	188.48	
33 61 13 00-0225		Reducers <small>(33 61 13 00-0110)</small>		
33 61 13 00-0226		Reducers <small>(33 61 13 00-0225)</small>		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0227 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	776.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.00	
33 61 13 00-0228 EA 1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	801.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.30	
33 61 13 00-0229 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	917.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.14	
33 61 13 00-0230 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,022.41	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.51	
33 61 13 00-0231 EA 2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,155.22	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.20	
33 61 13 00-0232 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,337.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.89	
33 61 13 00-0233 EA 3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,542.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.64	
33 61 13 00-0234 EA 4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,794.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.08	
33 61 13 00-0235 EA 5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,180.50	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.96	
33 61 13 00-0236 EA 6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,422.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.16	
33 61 13 00-0237 EA 8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,428.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	50.83	
33 61 13 00-0238 EA 10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,485.13	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	64.98	
33 61 13 00-0239 EA 12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,780.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	86.00	
33 61 13 00-0240 Reducers <small>(33 61 13 00-0225)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0241 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	825.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.97	
33 61 13 00-0242 EA 1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	851.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.30	
33 61 13 00-0243 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	974.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.27	
33 61 13 00-0244 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,084.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.75	
33 61 13 00-0245 EA 2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,219.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.49	
33 61 13 00-0246 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,404.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.23	
33 61 13 00-0247 EA 3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,619.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.19	
33 61 13 00-0248 EA 4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,884.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.89	
33 61 13 00-0249 EA 5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,296.59	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.28	
33 61 13 00-0250 EA 6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,554.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.80	
33 61 13 00-0251 EA 8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,618.74	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	54.65	
33 61 13 00-0252 EA 10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,728.79	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	69.85	
33 61 13 00-0253 EA 12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,103.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	92.45	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0254			Reducers <small>(33 61 13 00-0225)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0255	EA		3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	873.81	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.94	
33 61 13 00-0256	EA		1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	901.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.30	
33 61 13 00-0257	EA		1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,031.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.41	
33 61 13 00-0258	EA		1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,146.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.99	
33 61 13 00-0259	EA		2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,284.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.78	
33 61 13 00-0260	EA		2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,471.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.57	
33 61 13 00-0261	EA		3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,697.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.74	
33 61 13 00-0262	EA		4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,975.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.69	
33 61 13 00-0263	EA		5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,412.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.60	
33 61 13 00-0264	EA		6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,685.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.44	
33 61 13 00-0265	EA		8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,809.37	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	58.46	
33 61 13 00-0266	EA		10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,972.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	74.72	
33 61 13 00-0267	EA		12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,425.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	98.90	
33 61 13 00-0268			Reducers <small>(33 61 13 00-0225)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0269	EA		3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	922.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.92	
33 61 13 00-0270	EA		1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	950.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.29	
33 61 13 00-0271	EA		1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,088.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.54	
33 61 13 00-0272	EA		1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,208.17	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.23	
33 61 13 00-0273	EA		2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,348.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.07	
33 61 13 00-0274	EA		2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,538.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.91	
33 61 13 00-0275	EA		3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,774.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.28	
33 61 13 00-0276	EA		4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,065.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.50	
33 61 13 00-0277	EA		5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,528.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.93	
33 61 13 00-0278	EA		6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,817.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.08	
33 61 13 00-0279	EA		8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,999.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	62.27	
33 61 13 00-0280	EA		10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,216.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	79.60	
33 61 13 00-0281	EA		12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,748.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	105.35	



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

33 61 13 00-0282		Preinsulated Type K Copper Pipe <small>(33 61 13 00-0052)</small> Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0283		Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0284	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.41	
33 61 13 00-0285	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.43	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
33 61 13 00-0286	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.18	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	
33 61 13 00-0287	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.89	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61 13 00-0288	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.26	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
33 61 13 00-0289	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	76.43	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61 13 00-0290	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	88.93	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61 13 00-0291	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	112.79	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
33 61 13 00-0292	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	140.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.07	
33 61 13 00-0293	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	163.96	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.25	
33 61 13 00-0294	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	213.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.82	
33 61 13 00-0295	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	265.88	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.40	
33 61 13 00-0296	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	329.22	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.99	
33 61 13 00-0297		Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0298	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
33 61 13 00-0299	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	55.67	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
33 61 13 00-0300	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.71	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	
33 61 13 00-0301	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61 13 00-0302	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	68.10	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61 13 00-0303	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	79.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61 13 00-0304	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	92.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61 13 00-0305	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	116.99	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61 13 00-0306	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	145.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.18	
33 61 13 00-0307	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	170.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.37	
33 61 13 00-0308	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	222.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.00	
33 61 13 00-0309	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	277.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.64	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0310	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	344.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.29	
33 61	13 00-0311		Type K Copper Carrier Pipe (33 61 13 00-0282) Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0312	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
33 61	13 00-0313	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.52	
33 61	13 00-0314	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.58	
33 61	13 00-0315	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61	13 00-0316	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	69.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61	13 00-0317	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	81.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.71	
33 61	13 00-0318	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	93.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.77	
33 61	13 00-0319	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	119.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.97	
33 61	13 00-0320	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	148.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.24	
33 61	13 00-0321	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	173.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.43	
33 61	13 00-0322	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	227.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.09	
33 61	13 00-0323	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	283.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.76	
33 61	13 00-0324	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	351.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.44	
33 61	13 00-0325		Type K Copper Carrier Pipe (33 61 13 00-0282) Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0326	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.50	
33 61	13 00-0327	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.48	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.55	
33 61	13 00-0328	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	63.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61	13 00-0329	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	68.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61	13 00-0330	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	71.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61	13 00-0331	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	83.37	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.76	
33 61	13 00-0332	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	96.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82	
33 61	13 00-0333	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	122.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.03	
33 61	13 00-0334	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	152.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.32	
33 61	13 00-0335	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	177.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.53	
33 61	13 00-0336	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	233.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.22	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 61	13 00-0337	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	292.83	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.94	
	33 61	13 00-0338	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	362.84	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.66	
	33 61	13 00-0339		Preinsulated Copper Fittings <small>(33 61 13 00-0052)</small>		
	33 61	13 00-0340		Elbows <small>(33 61 13 00-0339)</small>		
	33 61	13 00-0341		Elbows <small>(33 61 13 00-0340)</small>		
				Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0342	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	355.24	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
	33 61	13 00-0343	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	370.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.77	
	33 61	13 00-0344	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	427.01	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.43	
	33 61	13 00-0345	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	486.27	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
	33 61	13 00-0346	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	593.74	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.17	
	33 61	13 00-0347	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	737.96	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.41	
	33 61	13 00-0348	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	858.90	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.40	
	33 61	13 00-0349	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,002.44	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.63	
	33 61	13 00-0350	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,165.89	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.10	
	33 61	13 00-0351	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,271.74	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.61	
	33 61	13 00-0352	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,767.52	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.23	
	33 61	13 00-0353	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,358.66	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.30	
	33 61	13 00-0354	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,975.10	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.83	
	33 61	13 00-0355		Elbows <small>(33 61 13 00-0340)</small>		
				Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0356	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	372.71	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.01	
	33 61	13 00-0357	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	388.05	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.13	
	33 61	13 00-0358	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	447.36	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.83	
	33 61	13 00-0359	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	508.47	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
	33 61	13 00-0360	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	616.86	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.63	
	33 61	13 00-0361	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	762.01	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.89	
	33 61	13 00-0362	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	886.65	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
	33 61	13 00-0363	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,034.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.28	
	33 61	13 00-0364	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,207.52	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.93	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0365	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,319.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	73.55	
33 61 13 00-0366	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,835.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.59	
33 61 13 00-0367	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,446.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.04	
33 61 13 00-0368	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,090.73	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.15	
33 61 13 00-0369		Elbows <small>(33 61 13 00-0340)</small>		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0370	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	390.18	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.36	
33 61 13 00-0371	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	405.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.48	
33 61 13 00-0372	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	467.71	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.24	
33 61 13 00-0373	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	530.67	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.81	
33 61 13 00-0374	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	639.99	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.09	
33 61 13 00-0375	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	786.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.38	
33 61 13 00-0376	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	914.40	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.51	
33 61 13 00-0377	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,067.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.93	
33 61 13 00-0378	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,249.14	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.77	
33 61 13 00-0379	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,366.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.50	
33 61 13 00-0380	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,904.03	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.96	
33 61 13 00-0381	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,532.89	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.79	
33 61 13 00-0382	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,206.71	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.46	
33 61 13 00-0383		Elbows <small>(33 61 13 00-0340)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0384	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	407.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.71	
33 61 13 00-0385	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	423.82	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.84	
33 61 13 00-0386	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	488.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.65	
33 61 13 00-0387	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	552.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.25	
33 61 13 00-0388	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	663.12	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.55	
33 61 13 00-0389	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	810.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.86	
33 61 13 00-0390	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	942.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.07	
33 61 13 00-0391	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,099.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.58	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0392	EA		5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,290.77	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.60	
33 61	13 00-0393	EA		6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,413.89	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.44	
33 61	13 00-0394	EA		8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,972.38	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.33	
33 61	13 00-0395	EA		10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,620.26	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.54	
33 61	13 00-0396	EA		12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,322.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.77	
33 61	13 00-0397			Tees <small>(33 61 13 00-0399)</small>		
33 61	13 00-0398			Tees <small>(33 61 13 00-0397)</small>		
				Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0399	EA		3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	529.31	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.92	
33 61	13 00-0400	EA		1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	551.49	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.08	
33 61	13 00-0401	EA		1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	636.24	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.06	
33 61	13 00-0402	EA		1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	724.72	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.79	
33 61	13 00-0403	EA		2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	885.43	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.16	
33 61	13 00-0404	EA		2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,101.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.52	
33 61	13 00-0405	EA		3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,282.83	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.99	
33 61	13 00-0406	EA		4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,497.25	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82	
33 61	13 00-0407	EA		5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,743.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.48	
33 61	13 00-0408	EA		6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,898.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.72	
33 61	13 00-0409	EA		8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,635.82	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.07	
33 61	13 00-0410	EA		10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,522.52	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.60	
33 61	13 00-0411	EA		12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,439.52	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.79	
33 61	13 00-0412			Tees <small>(33 61 13 00-0397)</small>		
				Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0413	EA		3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	555.25	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.44	
33 61	13 00-0414	EA		1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	578.04	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.61	
33 61	13 00-0415	EA		1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	666.46	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.66	
33 61	13 00-0416	EA		1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	757.69	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.45	
33 61	13 00-0417	EA		2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	919.78	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.84	
33 61	13 00-0418	EA		2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,137.12	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.24	
33 61	13 00-0419	EA		3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,324.04	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.81	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0420 EA 4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,545.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.78	
33 61 13 00-0421 EA 5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,805.63	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.72	
33 61 13 00-0422 EA 6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,969.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.13	
33 61 13 00-0423 EA 8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,737.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.10	
33 61 13 00-0424 EA 10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,652.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.19	
33 61 13 00-0425 EA 12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,611.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.22	
33 61 13 00-0426 Tees <small>(33 61 13 00-0397)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0427 EA 3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	581.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
33 61 13 00-0428 EA 1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	604.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.14	
33 61 13 00-0429 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	696.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.27	
33 61 13 00-0430 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	790.65	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.11	
33 61 13 00-0431 EA 2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	954.12	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.53	
33 61 13 00-0432 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,172.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.95	
33 61 13 00-0433 EA 3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,365.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.64	
33 61 13 00-0434 EA 4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,593.40	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.74	
33 61 13 00-0435 EA 5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,867.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.96	
33 61 13 00-0436 EA 6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,039.83	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.53	
33 61 13 00-0437 EA 8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,837.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.13	
33 61 13 00-0438 EA 10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,779.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.79	
33 61 13 00-0439 EA 12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,786.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.66	
33 61 13 00-0440 Tees <small>(33 61 13 00-0397)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0441 EA 3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	607.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.48	
33 61 13 00-0442 EA 1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	631.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.68	
33 61 13 00-0443 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	726.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.87	
33 61 13 00-0444 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	823.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.77	
33 61 13 00-0445 EA 2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	988.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.22	
33 61 13 00-0446 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,208.55	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.67	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 61	13 00-0447	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,406.46	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.46	
	33 61	13 00-0448	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,641.48	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.71	
	33 61	13 00-0449	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,929.25	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.19	
	33 61	13 00-0450	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,110.04	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.94	
	33 61	13 00-0451	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,939.08	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.16	
	33 61	13 00-0452	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,908.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.38	
	33 61	13 00-0453	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,957.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	56.09	
	33 61	13 00-0454		Reducers <small>(33 61 13 00-0339)</small>		
	33 61	13 00-0455		Reducers <small>(33 61 13 00-0454)</small>		
				Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0456	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	303.44	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.87	
	33 61	13 00-0457	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	316.43	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.96	
	33 61	13 00-0458	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	365.32	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.50	
	33 61	13 00-0459	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	416.83	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.91	
	33 61	13 00-0460	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	512.65	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.12	
	33 61	13 00-0461	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	651.10	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.32	
	33 61	13 00-0462	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	751.04	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.14	
	33 61	13 00-0463	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	871.73	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.17	
	33 61	13 00-0464	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,010.69	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.21	
	33 61	13 00-0465	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,100.66	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.46	
	33 61	13 00-0466	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,527.09	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.13	
	33 61	13 00-0467	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,041.87	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.34	
	33 61	13 00-0468	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,567.48	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.59	
	33 61	13 00-0469		Reducers <small>(33 61 13 00-0454)</small>		
				Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0470	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	317.95	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.16	
	33 61	13 00-0471	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	331.28	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.26	
	33 61	13 00-0472	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	382.21	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.84	
	33 61	13 00-0473	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	435.26	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.28	
	33 61	13 00-0474	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	531.85	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.50	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0475 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	671.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.72	
33 61 13 00-0476 EA 3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	774.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.60	
33 61 13 00-0477 EA 4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	898.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.70	
33 61 13 00-0478 EA 5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,045.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.90	
33 61 13 00-0479 EA 6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,139.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.25	
33 61 13 00-0480 EA 8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,583.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.26	
33 61 13 00-0481 EA 10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,114.38	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.79	
33 61 13 00-0482 EA 12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,663.45	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.51	
33 61 13 00-0483 Reducers <small>(33 61 13 00-0454)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0484 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	332.45	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.45	
33 61 13 00-0485 EA 1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	346.12	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.55	
33 61 13 00-0486 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	399.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.18	
33 61 13 00-0487 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	453.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.65	
33 61 13 00-0488 EA 2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	551.04	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.89	
33 61 13 00-0489 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	691.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.12	
33 61 13 00-0490 EA 3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	797.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.06	
33 61 13 00-0491 EA 4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	925.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.24	
33 61 13 00-0492 EA 5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,079.79	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.60	
33 61 13 00-0493 EA 6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,179.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.03	
33 61 13 00-0494 EA 8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,640.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.40	
33 61 13 00-0495 EA 10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,186.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.24	
33 61 13 00-0496 EA 12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,759.71	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.43	
33 61 13 00-0497 Reducers <small>(33 61 13 00-0454)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0498 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	346.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.74	
33 61 13 00-0499 EA 1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	360.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.85	
33 61 13 00-0500 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	415.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.52	
33 61 13 00-0501 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	472.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0502 EA 2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	570.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.27	
33 61 13 00-0503 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	710.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.52	
33 61 13 00-0504 EA 3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	820.14	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.52	
33 61 13 00-0505 EA 4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	952.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.78	
33 61 13 00-0506 EA 5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,114.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.29	
33 61 13 00-0507 EA 6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,218.63	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82	
33 61 13 00-0508 EA 8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,696.83	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.53	
33 61 13 00-0509 EA 10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,259.00	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.69	
33 61 13 00-0510 EA 12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,855.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.35	
33 61 13 00-0511 Preinsulated Ductile Iron Carrier Pipe <small>(33 61 13 00-0052)</small>		
<small>Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.</small>		
33 61 13 00-0512 Ductile Iron Carrier Pipe <small>(33 61 13 00-0511)</small>		
<small>Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</small>		
33 61 13 00-0513 LF 4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	186.56	
33 61 13 00-0514 LF 6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	272.99	
33 61 13 00-0515 LF 8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	368.45	
33 61 13 00-0516 LF 10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	467.93	
33 61 13 00-0517 LF 12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	580.90	
33 61 13 00-0518 Ductile Iron Carrier Pipe <small>(33 61 13 00-0511)</small>		
<small>Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</small>		
33 61 13 00-0519 LF 4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	198.50	
33 61 13 00-0520 LF 6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	290.73	
33 61 13 00-0521 LF 8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	394.28	
33 61 13 00-0522 LF 10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	502.02	
33 61 13 00-0523 LF 12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	623.41	
33 61 13 00-0524 LF 14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	682.10	
33 61 13 00-0525 LF 16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	768.47	
33 61 13 00-0526 LF 18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	864.81	
33 61 13 00-0527 LF 20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	951.72	
33 61 13 00-0528 LF 24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,126.73	
33 61 13 00-0529 Preinsulated Ductile Iron Fittings <small>(33 61 13 00-0052)</small>		
33 61 13 00-0530 Elbows <small>(33 61 13 00-0529)</small>		
33 61 13 00-0531 Elbows <small>(33 61 13 00-0530)</small>		
<small>Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</small>		
33 61 13 00-0532 EA 4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,714.10	
33 61 13 00-0533 EA 6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,282.10	
33 61 13 00-0534 EA 8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,217.50	
33 61 13 00-0535 EA 10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,227.05	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0536 EA 12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,425.81	
33 61 13 00-0537 Elbows <small>(33 61 13 00-0530)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0538 EA 4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,861.68	
33 61 13 00-0539 EA 6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,497.61	
33 61 13 00-0540 EA 8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,529.06	
33 61 13 00-0541 EA 10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,625.29	
33 61 13 00-0542 EA 12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,952.88	
33 61 13 00-0543 EA 14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	7,243.84	
33 61 13 00-0544 EA 16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	8,569.39	
33 61 13 00-0545 EA 18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	10,697.77	
33 61 13 00-0546 EA 20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	13,566.70	
33 61 13 00-0547 EA 24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	17,547.04	
33 61 13 00-0548 Tees <small>(33 61 13 00-0529)</small>		
33 61 13 00-0549 Tees <small>(33 61 13 00-0548)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0550 EA 4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,555.28	
33 61 13 00-0551 EA 6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,401.00	
33 61 13 00-0552 EA 8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,790.94	
33 61 13 00-0553 EA 10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,300.21	
33 61 13 00-0554 EA 12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	8,082.04	
33 61 13 00-0555 Tees <small>(33 61 13 00-0548)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0556 EA 4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,774.44	
33 61 13 00-0557 EA 6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,721.05	
33 61 13 00-0558 EA 8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,253.61	
33 61 13 00-0559 EA 10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,891.59	
33 61 13 00-0560 EA 12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	8,864.75	
33 61 13 00-0561 EA 14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	10,595.00	
33 61 13 00-0562 EA 16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	12,537.68	
33 61 13 00-0563 EA 18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	15,653.70	
33 61 13 00-0564 EA 20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	19,861.35	
33 61 13 00-0565 EA 24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	25,681.77	
33 61 13 00-0566 Reducers <small>(33 61 13 00-0529)</small>		
33 61 13 00-0567 Reducers <small>(33 61 13 00-0566)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0568 EA 4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,468.36	
33 61 13 00-0569 EA 6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,946.02	
33 61 13 00-0570 EA 8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,739.67	
33 61 13 00-0571 EA 10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,605.16	
33 61 13 00-0572 EA 12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,616.30	



Utilities	33	CS
Hydronic and Steam Energy Utilities	33 60	
Hydronic Energy Distribution	33 61	

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

33 61 13 00-0573	Reducers <small>(33 61 13 00-0566)</small>	
	Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 00-0574	EA 4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,590.85
33 61 13 00-0575	EA 6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,124.90
33 61 13 00-0576	EA 8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,998.26
33 61 13 00-0577	EA 10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,935.69
33 61 13 00-0578	EA 12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,053.77
33 61 13 00-0579	EA 14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,033.23
33 61 13 00-0580	EA 16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	7,130.43
33 61 13 00-0581	EA 18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	8,848.56
33 61 13 00-0582	EA 20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	11,295.86
33 61 13 00-0583	EA 24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	14,642.98
33 61 13 00-0584	Tempered Water Piping Pre-Insulated <small>(33 61 13 00-0052)</small>	
33 61 13 00-0585	Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>	
33 61 13 00-0586	LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	137.96
33 61 13 00-0587	LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	182.01
33 61 13 00-0588	LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	247.66
33 61 13 00-0589	LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	339.10
33 61 13 00-0590	LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	434.82
33 61 13 00-0591	Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>	
33 61 13 00-0592	LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	74.97
33 61 13 00-0593	LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	88.80
33 61 13 00-0594	LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	102.01
33 61 13 00-0595	LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	121.80
33 61 13 00-0596	LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	148.30
33 61 13 00-0597	Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>	
33 61 13 00-0598	LF 4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	74.96
33 61 13 00-0599	LF 6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	88.80
33 61 13 00-0600	LF 8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	100.53
33 61 13 00-0601	LF 10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	121.80
33 61 13 00-0602	LF 12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	148.29

33 70 Electrical Utilities (33)

33 71 Electrical Utility Transmission and Distribution (33 70)

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes (33 71)

Note: Excludes excavation and backfill.

33 71 19 13 Electrical Manholes and Handholes (33 71 19)

33 71 19 13-0001 Electrical Handholes And Pull Boxes (33 71 19 13)

33 71 19 13-0002 Electrical Pull Boxes (33 71 19 13-0001)

See CSI section 33 05 63 00-0427 for handholes.

33 71 19 13-0003	EA 24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,987.47
33 71 19 13-0004	EA 24" x 36" x 36", Electric Pull Boxes, Precast Concrete	2,373.60
33 71 19 13-0005	EA 30" x 48" x 36", Electric Pull Boxes, Precast Concrete	2,741.94
33 71 19 13-0006	EA 36" x 72" x 24", Electric Pull Boxes, Precast Concrete	4,230.96
33 71 19 13-0007	EA 36" x 60" x 36", Electric Pull Boxes, Precast Concrete	4,505.73
33 71 19 13-0008	EA 48" x 48" x 36", Electric Pull Boxes, Precast Concrete	4,842.22
33 71 19 13-0009	EA 48" x 60" x 48", Electric Pull Boxes, Precast Concrete	5,568.50

33 71 19 13-0010 Electrical Pull Boxes (CALTRANS) (33 71 19 13-0001)

33 71 19 13-0011	EA Body, CALTRANS 3-1/2 Precast Concrete Pull Box	133.24
------------------	---	--------

33 Utilities**33 70 Electrical Utilities****33 71 Electrical Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0012 EA Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	53.60	
33 71 19 13-0013 EA Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	82.17	
33 71 19 13-0014 EA Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	174.83	
33 71 19 13-0015 EA Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	270.91	
<i>For Galvanized Steel Cover, Add</i>	46.51	
33 71 19 13-0016 EA 12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box.....	67.39	
33 71 19 13-0017 EA Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box.....	67.39	
33 71 19 13-0018 EA Body, CALTRANS 5 Precast Concrete Pull Box.....	190.50	
33 71 19 13-0019 EA Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	71.79	
33 71 19 13-0020 EA Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	100.36	
33 71 19 13-0021 EA Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box.....	359.59	
<i>For Galvanized Steel Cover, Add</i>	85.27	
33 71 19 13-0022 EA 12" Extension, CALTRANS 5 Precast Concrete Pull Box.....	95.82	
33 71 19 13-0023 EA Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box.....	89.56	
33 71 19 13-0024 EA Body, CALTRANS 6 Precast Concrete Pull Box.....	208.69	
33 71 19 13-0025 EA Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	96.24	
33 71 19 13-0026 EA Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	124.81	
33 71 19 13-0027 EA Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box.....	493.75	
<i>For Galvanized Steel Cover, Add</i>	119.38	
33 71 19 13-0028 EA 12" Extension, CALTRANS 6 Precast Concrete Pull Box.....	114.01	
33 71 19 13-0029 EA Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	107.19	
33 71 19 13-0030 EA 6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	148.12	
33 71 19 13-0031 EA Body, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	299.81	
33 71 19 13-0032 EA Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	432.36	
33 71 19 13-0033 EA 12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	136.75	
33 71 19 13-0034 EA Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	125.38	
33 71 19 13-0035 EA Body, CALTRANS 5-T Precast Concrete Pull Box.....	390.60	
33 71 19 13-0036 EA Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box.....	625.64	
33 71 19 13-0037 EA 12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	164.03	
33 71 19 13-0038 EA Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box.....	159.49	
33 71 19 13-0039 EA Body, CALTRANS 6-T Precast Concrete Pull Box.....	556.60	
33 71 19 13-0040 EA Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box.....	875.77	
33 71 19 13-0041 EA 12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	277.73	
33 71 19 13-0042 EA Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box.....	216.33	
33 71 19 13-0043 Electrical Property Line Boxes (33 71 19 13)		
33 71 19 13-0044 EA 3'-6" x 2'-9" x 2' Deep Property Line Box.....	3,852.29	417.15
33 71 19 13-0045 EA 4'-6" x 3'-6" x 4' Deep Property Line Box.....	4,499.56	432.61
33 71 19 13-0046 EA 6' x 4' x 5' Deep Property Line Box.....	4,961.27	525.30
33 71 19 13-0047 EA 11'-6" x 4'-6" x 6' Deep Property Line Box.....	7,581.01	772.50
33 71 19 13-0048 Manhole Accessories (33 71 19 13)		
33 71 19 13-0049 EA 6" Precast Grade Ring Riser Casting.....	630.67	
33 71 19 13-0050 EA 12" Precast Grade Ring Riser Casting.....	682.99	
33 71 19 13-0051 EA 36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D).....	2,747.92	
33 71 19 13-0052 EA 42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1).....	3,586.33	
33 71 19 13-0053 EA Cast Iron Adjusting Ring (NEENAH #R-1979).....	1,158.11	
33 71 19 13-0054 EA Cast Iron Frame And Cover (NEENAH #R-1640-B).....	1,473.42	
33 71 19 23 Trenched Electrical Underground Duct and Ductbanks (33 71 19)		
33 71 19 23-0001 Underground Ductbank (33 71 19 23)		
Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.		
33 71 19 23-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (33 71 19 23-0001)		
Note: Includes appropriate spacers and fittings.		
33 71 19 23-0003 LF 2 At 2", Rigid Galvanized Conduit Duct Bank.....	42.47	
33 71 19 23-0004 LF 4 At 2", Rigid Galvanized Conduit Duct Bank.....	84.98	
33 71 19 23-0005 LF 2 At 3", Rigid Galvanized Conduit Duct Bank.....	87.60	
33 71 19 23-0006 LF 4 At 3", Rigid Galvanized Conduit Duct Bank.....	175.71	
33 71 19 23-0007 LF 2 At 4", Rigid Galvanized Conduit Duct Bank.....	128.97	
33 71 19 23-0008 LF 4 At 4", Rigid Galvanized Conduit Duct Bank.....	259.29	
33 71 19 23-0009 LF 6 At 4", Rigid Galvanized Conduit Duct Bank.....	389.71	
33 71 19 23-0010 LF 2 At 5", Rigid Galvanized Conduit Duct Bank.....	242.39	
33 71 19 23-0011 LF 4 At 5", Rigid Galvanized Conduit Duct Bank.....	483.42	
33 71 19 23-0012 LF 6 At 5", Rigid Galvanized Conduit Duct Bank.....	743.80	
33 71 19 23-0013 LF 2 At 6", Rigid Galvanized Conduit Duct Bank.....	344.44	
33 71 19 23-0014 LF 4 At 6", Rigid Galvanized Conduit Duct Bank.....	691.39	
33 71 19 23-0015 LF 6 At 6", Rigid Galvanized Conduit Duct Bank.....	1,028.93	
33 71 19 23-0016 Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System (33 71 19 23-0001)		
Note: Includes appropriate spacers and fittings.		



Utilities	33	33
Electrical Utilities	33 70	
Electrical Utility Transmission and Distribution	33 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 23-0017 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	9.62	
33 71 19 23-0018 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	21.13	
33 71 19 23-0019 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	40.57	
33 71 19 23-0020 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	12.75	
33 71 19 23-0021 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	25.45	
33 71 19 23-0022 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	51.69	
33 71 19 23-0023 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	17.07	
33 71 19 23-0024 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	34.15	
33 71 19 23-0025 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	68.37	
33 71 19 23-0026 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	102.53	
33 71 19 23-0027 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	21.61	
33 71 19 23-0028 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	43.17	
33 71 19 23-0029 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	83.61	
33 71 19 23-0030 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	118.65	
33 71 19 23-0031 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	38.28	
33 71 19 23-0032 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	58.53	
33 71 19 23-0033 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	117.31	
33 71 19 23-0034 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	189.49	
33 71 19 23-0035 Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System (33 71 19 23-0001)		
Note: Includes appropriate spacers and fittings.		
33 71 19 23-0036 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	10.68	
33 71 19 23-0037 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	23.35	
33 71 19 23-0038 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	44.73	
33 71 19 23-0039 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	13.23	
33 71 19 23-0040 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	26.45	
33 71 19 23-0041 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	52.74	
33 71 19 23-0042 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	17.49	
33 71 19 23-0043 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	35.00	
33 71 19 23-0044 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	70.06	
33 71 19 23-0045 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	105.07	
33 71 19 23-0046 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	22.25	
33 71 19 23-0047 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	44.44	
33 71 19 23-0048 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	86.16	
33 71 19 23-0049 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	122.48	
33 71 19 23-0050 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	39.17	
33 71 19 23-0051 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	60.36	
33 71 19 23-0052 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	120.98	
33 71 19 23-0053 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	194.99	
33 71 19 23-0054 Male Or Female Adapters (33 71 19 23-0001)		
33 71 19 23-0055 EA 2" Adapter.....	51.27	
33 71 19 23-0056 EA 3" Adapter.....	74.35	
33 71 19 23-0057 EA 4" Adapter.....	96.22	
33 71 19 23-0058 EA 5" Adapter.....	148.59	
33 71 19 23-0059 EA 6" Adapter.....	183.48	
33 71 19 23-0060 Underground Electrical Concrete Markers (33 71 19 23)		
33 71 19 23-0061 EA 36" x 6" x 6", Underground Electric Concrete Marker.....	445.30	

END OF SECTION 33

33	33	Utilities
	33 70	Electrical Utilities
	33 71	Electrical Utility Transmission and Distribution



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

THIS PAGE INTENTIONALLY LEFT BLANK



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

40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 19 Ductile Iron Process Pipe ^(40 05)

40 05 19 00-0001	Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19) <small>Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-2059 for bolts, 40 05 19 00-2074 for gaskets.</small>		
40 05 19 00-0002	Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
40 05 19 00-0003	4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0002)		
40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	867.03	270.68
	For Class 52 Rating, Deduct	-50.26	
	For Class 54 Rating, Add	73.46	
	For Class 55 Rating, Add	111.74	
	For Class 56 Rating, Add	149.56	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	923.09	275.41
	For Class 52 Rating, Deduct	-55.64	
	For Class 54 Rating, Add	80.88	
	For Class 55 Rating, Add	122.81	
	For Class 56 Rating, Add	164.24	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	979.15	280.14
	For Class 52 Rating, Deduct	-61.02	
	For Class 54 Rating, Add	88.30	
	For Class 55 Rating, Add	133.88	
	For Class 56 Rating, Add	178.91	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,035.21	284.87
	For Class 52 Rating, Deduct	-66.39	
	For Class 54 Rating, Add	95.72	
	For Class 55 Rating, Add	144.96	
	For Class 56 Rating, Add	193.59	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,091.27	289.60
	For Class 52 Rating, Deduct	-71.77	
	For Class 54 Rating, Add	103.14	
	For Class 55 Rating, Add	156.03	
	For Class 56 Rating, Add	208.28	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,147.32	294.34
	For Class 52 Rating, Deduct	-77.15	
	For Class 54 Rating, Add	110.56	
	For Class 55 Rating, Add	167.11	
	For Class 56 Rating, Add	222.96	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,203.38	299.07
	For Class 52 Rating, Deduct	-82.53	
	For Class 54 Rating, Add	117.98	
	For Class 55 Rating, Add	178.18	
	For Class 56 Rating, Add	237.64	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,259.44	303.80
	For Class 52 Rating, Deduct	-87.91	
	For Class 54 Rating, Add	125.39	
	For Class 55 Rating, Add	189.26	
	For Class 56 Rating, Add	252.32	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,315.50	308.53
	For Class 52 Rating, Deduct	-93.28	
	For Class 54 Rating, Add	132.81	
	For Class 55 Rating, Add	200.33	
	For Class 56 Rating, Add	267.00	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,371.56	313.26
	For Class 52 Rating, Deduct	-98.66	
	For Class 54 Rating, Add	140.23	
	For Class 55 Rating, Add	211.40	
	For Class 56 Rating, Add	281.68	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,427.61	318.00
	For Class 52 Rating, Deduct	-104.04	
	For Class 54 Rating, Add	147.65	
	For Class 55 Rating, Add	222.48	
	For Class 56 Rating, Add	296.36	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,483.67	322.73
	For Class 52 Rating, Deduct	-109.42	
	For Class 54 Rating, Add	155.07	
	For Class 55 Rating, Add	233.55	
	For Class 56 Rating, Add	311.04	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,539.73	327.46
	For Class 52 Rating, Deduct	-114.79	
	For Class 54 Rating, Add	162.49	
	For Class 55 Rating, Add	244.63	
	For Class 56 Rating, Add	325.72	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0017 EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,595.80	332.19
For Class 52 Rating, Deduct	-120.17	
For Class 54 Rating, Add	169.91	
For Class 55 Rating, Add	255.70	
For Class 56 Rating, Add	340.40	
40 05 19 00-0018 EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,651.85	336.92
For Class 52 Rating, Deduct	-125.55	
For Class 54 Rating, Add	177.33	
For Class 55 Rating, Add	266.77	
For Class 56 Rating, Add	355.08	
40 05 19 00-0019 EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,707.90	341.66
For Class 52 Rating, Deduct	-130.93	
For Class 54 Rating, Add	184.75	
For Class 55 Rating, Add	277.85	
For Class 56 Rating, Add	369.76	
40 05 19 00-0020 EA 4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,763.96	346.39
For Class 52 Rating, Deduct	-136.30	
For Class 54 Rating, Add	192.17	
For Class 55 Rating, Add	288.92	
For Class 56 Rating, Add	384.44	
40 05 19 00-0021 EA 4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,820.02	351.12
For Class 52 Rating, Deduct	-141.68	
For Class 54 Rating, Add	199.59	
For Class 55 Rating, Add	300.00	
For Class 56 Rating, Add	399.12	
40 05 19 00-0022 EA 4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,876.09	355.85
For Class 52 Rating, Deduct	-147.06	
For Class 54 Rating, Add	207.01	
For Class 55 Rating, Add	311.07	
For Class 56 Rating, Add	413.80	
40 05 19 00-0023 EA 4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,932.15	360.59
For Class 52 Rating, Deduct	-152.44	
For Class 54 Rating, Add	214.43	
For Class 55 Rating, Add	322.15	
For Class 56 Rating, Add	428.48	
40 05 19 00-0024 EA 4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,988.19	365.32
For Class 52 Rating, Deduct	-157.81	
For Class 54 Rating, Add	221.84	
For Class 55 Rating, Add	333.22	
For Class 56 Rating, Add	443.16	
40 05 19 00-0025 EA 4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,044.25	370.05
For Class 52 Rating, Deduct	-163.19	
For Class 54 Rating, Add	229.26	
For Class 55 Rating, Add	344.29	
For Class 56 Rating, Add	457.84	
40 05 19 00-0026 EA 4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,100.31	374.78
For Class 52 Rating, Deduct	-168.57	
For Class 54 Rating, Add	236.68	
For Class 55 Rating, Add	355.37	
For Class 56 Rating, Add	472.52	
40 05 19 00-0027 EA 4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,156.37	379.51
For Class 52 Rating, Deduct	-173.95	
For Class 54 Rating, Add	244.10	
For Class 55 Rating, Add	366.44	
For Class 56 Rating, Add	487.20	
40 05 19 00-0028 EA 4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,212.44	384.25
For Class 52 Rating, Deduct	-179.33	
For Class 54 Rating, Add	251.52	
For Class 55 Rating, Add	377.52	
For Class 56 Rating, Add	501.88	
40 05 19 00-0029 EA 4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,268.49	388.98
For Class 52 Rating, Deduct	-184.70	
For Class 54 Rating, Add	258.94	
For Class 55 Rating, Add	388.59	
For Class 56 Rating, Add	516.56	
40 05 19 00-0030 EA 4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,324.54	393.71
For Class 52 Rating, Deduct	-190.08	
For Class 54 Rating, Add	266.36	
For Class 55 Rating, Add	399.66	
For Class 56 Rating, Add	531.24	
40 05 19 00-0031 EA 4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,380.60	398.44
For Class 52 Rating, Deduct	-195.46	
For Class 54 Rating, Add	273.78	
For Class 55 Rating, Add	410.74	
For Class 56 Rating, Add	545.92	
40 05 19 00-0032 EA 4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,436.66	403.17
For Class 52 Rating, Deduct	-200.84	
For Class 54 Rating, Add	281.20	
For Class 55 Rating, Add	421.81	
For Class 56 Rating, Add	560.60	
40 05 19 00-0033 EA 4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,492.73	407.91
For Class 52 Rating, Deduct	-206.21	
For Class 54 Rating, Add	288.62	
For Class 55 Rating, Add	432.89	
For Class 56 Rating, Add	575.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0034 EA 4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,548.78	412.64
<i>For Class 52 Rating, Deduct</i>	-211.59	
<i>For Class 54 Rating, Add</i>	296.04	
<i>For Class 55 Rating, Add</i>	443.96	
<i>For Class 56 Rating, Add</i>	589.96	
40 05 19 00-0035 EA 4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,604.84	417.37
<i>For Class 52 Rating, Deduct</i>	-216.97	
<i>For Class 54 Rating, Add</i>	303.46	
<i>For Class 55 Rating, Add</i>	455.04	
<i>For Class 56 Rating, Add</i>	604.64	
40 05 19 00-0036 EA 4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,660.89	422.10
<i>For Class 52 Rating, Deduct</i>	-222.35	
<i>For Class 54 Rating, Add</i>	310.88	
<i>For Class 55 Rating, Add</i>	466.11	
<i>For Class 56 Rating, Add</i>	619.32	
40 05 19 00-0037 EA 4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,716.95	426.83
<i>For Class 52 Rating, Deduct</i>	-227.73	
<i>For Class 54 Rating, Add</i>	318.30	
<i>For Class 55 Rating, Add</i>	477.18	
<i>For Class 56 Rating, Add</i>	634.00	
40 05 19 00-0038 EA 4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,773.01	431.57
<i>For Class 52 Rating, Deduct</i>	-233.10	
<i>For Class 54 Rating, Add</i>	325.71	
<i>For Class 55 Rating, Add</i>	488.26	
<i>For Class 56 Rating, Add</i>	648.68	
40 05 19 00-0039 EA 4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,829.07	436.30
<i>For Class 52 Rating, Deduct</i>	-238.48	
<i>For Class 54 Rating, Add</i>	333.13	
<i>For Class 55 Rating, Add</i>	499.33	
<i>For Class 56 Rating, Add</i>	663.36	
40 05 19 00-0040 EA 4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,885.13	441.03
<i>For Class 52 Rating, Deduct</i>	-243.86	
<i>For Class 54 Rating, Add</i>	340.55	
<i>For Class 55 Rating, Add</i>	510.41	
<i>For Class 56 Rating, Add</i>	678.04	
40 05 19 00-0041 EA 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,941.19	445.76
<i>For Class 52 Rating, Deduct</i>	-249.24	
<i>For Class 54 Rating, Add</i>	347.97	
<i>For Class 55 Rating, Add</i>	521.48	
<i>For Class 56 Rating, Add</i>	692.72	
40 05 19 00-0042 EA 4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,997.24	450.49
<i>For Class 52 Rating, Deduct</i>	-254.61	
<i>For Class 54 Rating, Add</i>	355.39	
<i>For Class 55 Rating, Add</i>	532.55	
<i>For Class 56 Rating, Add</i>	707.40	
40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044 EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,097.25	340.71
<i>For Class 52 Rating, Deduct</i>	-63.91	
<i>For Class 54 Rating, Add</i>	93.35	
<i>For Class 55 Rating, Add</i>	141.96	
<i>For Class 56 Rating, Add</i>	189.99	
40 05 19 00-0045 EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,164.59	345.44
<i>For Class 52 Rating, Deduct</i>	-70.53	
<i>For Class 54 Rating, Add</i>	102.46	
<i>For Class 55 Rating, Add</i>	155.55	
<i>For Class 56 Rating, Add</i>	207.99	
40 05 19 00-0046 EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,231.93	350.17
<i>For Class 52 Rating, Deduct</i>	-77.15	
<i>For Class 54 Rating, Add</i>	111.57	
<i>For Class 55 Rating, Add</i>	169.14	
<i>For Class 56 Rating, Add</i>	226.00	
40 05 19 00-0047 EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,299.27	354.91
<i>For Class 52 Rating, Deduct</i>	-83.77	
<i>For Class 54 Rating, Add</i>	120.68	
<i>For Class 55 Rating, Add</i>	182.73	
<i>For Class 56 Rating, Add</i>	244.01	
40 05 19 00-0048 EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,366.61	359.64
<i>For Class 52 Rating, Deduct</i>	-90.39	
<i>For Class 54 Rating, Add</i>	129.79	
<i>For Class 55 Rating, Add</i>	196.32	
<i>For Class 56 Rating, Add</i>	262.02	
40 05 19 00-0049 EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,433.95	364.37
<i>For Class 52 Rating, Deduct</i>	-97.01	
<i>For Class 54 Rating, Add</i>	138.91	
<i>For Class 55 Rating, Add</i>	209.91	
<i>For Class 56 Rating, Add</i>	280.03	
40 05 19 00-0050 EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,501.29	369.10
<i>For Class 52 Rating, Deduct</i>	-103.62	
<i>For Class 54 Rating, Add</i>	148.02	
<i>For Class 55 Rating, Add</i>	223.50	
<i>For Class 56 Rating, Add</i>	298.03	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0051 EA 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,568.63	373.84
For Class 52 Rating, Deduct	-110.24	
For Class 54 Rating, Add	157.13	
For Class 55 Rating, Add	237.09	
For Class 56 Rating, Add	316.04	
40 05 19 00-0052 EA 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,635.97	378.57
For Class 52 Rating, Deduct	-116.86	
For Class 54 Rating, Add	166.24	
For Class 55 Rating, Add	250.68	
For Class 56 Rating, Add	334.05	
40 05 19 00-0053 EA 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,703.31	383.30
For Class 52 Rating, Deduct	-123.48	
For Class 54 Rating, Add	175.35	
For Class 55 Rating, Add	264.27	
For Class 56 Rating, Add	352.06	
40 05 19 00-0054 EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,770.65	388.03
For Class 52 Rating, Deduct	-130.10	
For Class 54 Rating, Add	184.46	
For Class 55 Rating, Add	277.86	
For Class 56 Rating, Add	370.07	
40 05 19 00-0055 EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,837.99	392.76
For Class 52 Rating, Deduct	-136.72	
For Class 54 Rating, Add	193.57	
For Class 55 Rating, Add	291.45	
For Class 56 Rating, Add	388.08	
40 05 19 00-0056 EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,905.33	397.50
For Class 52 Rating, Deduct	-143.34	
For Class 54 Rating, Add	202.69	
For Class 55 Rating, Add	305.04	
For Class 56 Rating, Add	406.08	
40 05 19 00-0057 EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,972.67	402.23
For Class 52 Rating, Deduct	-149.96	
For Class 54 Rating, Add	211.80	
For Class 55 Rating, Add	318.63	
For Class 56 Rating, Add	424.09	
40 05 19 00-0058 EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,040.01	406.96
For Class 52 Rating, Deduct	-156.57	
For Class 54 Rating, Add	220.91	
For Class 55 Rating, Add	332.22	
For Class 56 Rating, Add	442.10	
40 05 19 00-0059 EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,107.35	411.69
For Class 52 Rating, Deduct	-163.19	
For Class 54 Rating, Add	230.02	
For Class 55 Rating, Add	345.81	
For Class 56 Rating, Add	460.11	
40 05 19 00-0060 EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,174.69	416.42
For Class 52 Rating, Deduct	-169.81	
For Class 54 Rating, Add	239.13	
For Class 55 Rating, Add	359.40	
For Class 56 Rating, Add	478.12	
40 05 19 00-0061 EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,242.02	421.16
For Class 52 Rating, Deduct	-176.43	
For Class 54 Rating, Add	248.24	
For Class 55 Rating, Add	372.99	
For Class 56 Rating, Add	496.13	
40 05 19 00-0062 EA 6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,309.37	425.89
For Class 52 Rating, Deduct	-183.05	
For Class 54 Rating, Add	257.36	
For Class 55 Rating, Add	386.58	
For Class 56 Rating, Add	514.13	
40 05 19 00-0063 EA 6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,376.71	430.62
For Class 52 Rating, Deduct	-189.67	
For Class 54 Rating, Add	266.47	
For Class 55 Rating, Add	400.17	
For Class 56 Rating, Add	532.14	
40 05 19 00-0064 EA 6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,444.05	435.35
For Class 52 Rating, Deduct	-196.29	
For Class 54 Rating, Add	275.58	
For Class 55 Rating, Add	413.76	
For Class 56 Rating, Add	550.15	
40 05 19 00-0065 EA 6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,511.39	440.08
For Class 52 Rating, Deduct	-202.90	
For Class 54 Rating, Add	284.69	
For Class 55 Rating, Add	427.35	
For Class 56 Rating, Add	568.16	
40 05 19 00-0066 EA 6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,578.72	444.82
For Class 52 Rating, Deduct	-209.52	
For Class 54 Rating, Add	293.80	
For Class 55 Rating, Add	440.94	
For Class 56 Rating, Add	586.17	
40 05 19 00-0067 EA 6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,646.07	449.55
For Class 52 Rating, Deduct	-216.14	
For Class 54 Rating, Add	302.91	
For Class 55 Rating, Add	454.53	
For Class 56 Rating, Add	604.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0068 EA 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,713.41	454.28
<i>For Class 52 Rating, Deduct</i>	-222.76	
<i>For Class 54 Rating, Add</i>	312.02	
<i>For Class 55 Rating, Add</i>	468.12	
<i>For Class 56 Rating, Add</i>	622.18	
40 05 19 00-0069 EA 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,780.75	459.01
<i>For Class 52 Rating, Deduct</i>	-229.38	
<i>For Class 54 Rating, Add</i>	321.14	
<i>For Class 55 Rating, Add</i>	481.71	
<i>For Class 56 Rating, Add</i>	640.19	
40 05 19 00-0070 EA 6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,848.10	463.74
<i>For Class 52 Rating, Deduct</i>	-236.00	
<i>For Class 54 Rating, Add</i>	330.25	
<i>For Class 55 Rating, Add</i>	495.30	
<i>For Class 56 Rating, Add</i>	658.20	
40 05 19 00-0071 EA 6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,915.43	468.48
<i>For Class 52 Rating, Deduct</i>	-242.62	
<i>For Class 54 Rating, Add</i>	339.36	
<i>For Class 55 Rating, Add</i>	508.89	
<i>For Class 56 Rating, Add</i>	676.21	
40 05 19 00-0072 EA 6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,982.77	473.21
<i>For Class 52 Rating, Deduct</i>	-249.24	
<i>For Class 54 Rating, Add</i>	348.47	
<i>For Class 55 Rating, Add</i>	522.48	
<i>For Class 56 Rating, Add</i>	694.22	
40 05 19 00-0073 EA 6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,050.12	477.94
<i>For Class 52 Rating, Deduct</i>	-255.86	
<i>For Class 54 Rating, Add</i>	357.58	
<i>For Class 55 Rating, Add</i>	536.07	
<i>For Class 56 Rating, Add</i>	712.23	
40 05 19 00-0074 EA 6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,117.46	482.67
<i>For Class 52 Rating, Deduct</i>	-262.47	
<i>For Class 54 Rating, Add</i>	366.70	
<i>For Class 55 Rating, Add</i>	549.66	
<i>For Class 56 Rating, Add</i>	730.24	
40 05 19 00-0075 EA 6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,184.80	487.41
<i>For Class 52 Rating, Deduct</i>	-269.09	
<i>For Class 54 Rating, Add</i>	375.81	
<i>For Class 55 Rating, Add</i>	563.25	
<i>For Class 56 Rating, Add</i>	748.24	
40 05 19 00-0076 EA 6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,252.13	492.14
<i>For Class 52 Rating, Deduct</i>	-275.71	
<i>For Class 54 Rating, Add</i>	384.92	
<i>For Class 55 Rating, Add</i>	576.84	
<i>For Class 56 Rating, Add</i>	766.25	
40 05 19 00-0077 EA 6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,319.47	496.87
<i>For Class 52 Rating, Deduct</i>	-282.33	
<i>For Class 54 Rating, Add</i>	394.03	
<i>For Class 55 Rating, Add</i>	590.43	
<i>For Class 56 Rating, Add</i>	784.26	
40 05 19 00-0078 EA 6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,386.82	501.60
<i>For Class 52 Rating, Deduct</i>	-288.95	
<i>For Class 54 Rating, Add</i>	403.14	
<i>For Class 55 Rating, Add</i>	604.02	
<i>For Class 56 Rating, Add</i>	802.27	
40 05 19 00-0079 EA 6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,454.16	506.33
<i>For Class 52 Rating, Deduct</i>	-295.57	
<i>For Class 54 Rating, Add</i>	412.25	
<i>For Class 55 Rating, Add</i>	617.61	
<i>For Class 56 Rating, Add</i>	820.28	
40 05 19 00-0080 EA 6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,521.50	511.07
<i>For Class 52 Rating, Deduct</i>	-302.19	
<i>For Class 54 Rating, Add</i>	421.36	
<i>For Class 55 Rating, Add</i>	631.20	
<i>For Class 56 Rating, Add</i>	838.29	
40 05 19 00-0081 EA 6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,588.83	515.80
<i>For Class 52 Rating, Deduct</i>	-308.81	
<i>For Class 54 Rating, Add</i>	430.48	
<i>For Class 55 Rating, Add</i>	644.79	
<i>For Class 56 Rating, Add</i>	856.29	
40 05 19 00-0082 EA 6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,656.17	520.53
<i>For Class 52 Rating, Deduct</i>	-315.42	
<i>For Class 54 Rating, Add</i>	439.59	
<i>For Class 55 Rating, Add</i>	658.38	
<i>For Class 56 Rating, Add</i>	874.30	
40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0084 EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,515.18	435.35
<i>For Class 52 Rating, Deduct</i>	-94.11	
<i>For Class 54 Rating, Add</i>	136.25	
<i>For Class 55 Rating, Add</i>	206.62	
<i>For Class 56 Rating, Add</i>	276.13	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0085 EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,605.08	440.08
For Class 52 Rating, Deduct	-103.21	
For Class 54 Rating, Add	148.74	
For Class 55 Rating, Add	225.24	
For Class 56 Rating, Add	300.80	
40 05 19 00-0086 EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,694.97	444.82
For Class 52 Rating, Deduct	-112.31	
For Class 54 Rating, Add	161.24	
For Class 55 Rating, Add	243.86	
For Class 56 Rating, Add	325.46	
40 05 19 00-0087 EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,784.89	449.55
For Class 52 Rating, Deduct	-121.41	
For Class 54 Rating, Add	173.74	
For Class 55 Rating, Add	262.48	
For Class 56 Rating, Add	350.13	
40 05 19 00-0088 EA 8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,874.79	454.28
For Class 52 Rating, Deduct	-130.51	
For Class 54 Rating, Add	186.23	
For Class 55 Rating, Add	281.10	
For Class 56 Rating, Add	374.79	
40 05 19 00-0089 EA 8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,964.70	459.01
For Class 52 Rating, Deduct	-139.61	
For Class 54 Rating, Add	198.73	
For Class 55 Rating, Add	299.73	
For Class 56 Rating, Add	399.46	
40 05 19 00-0090 EA 8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,054.60	463.74
For Class 52 Rating, Deduct	-148.71	
For Class 54 Rating, Add	211.22	
For Class 55 Rating, Add	318.35	
For Class 56 Rating, Add	424.12	
40 05 19 00-0091 EA 8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,144.49	468.48
For Class 52 Rating, Deduct	-157.81	
For Class 54 Rating, Add	223.72	
For Class 55 Rating, Add	336.97	
For Class 56 Rating, Add	448.78	
40 05 19 00-0092 EA 8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,234.40	473.21
For Class 52 Rating, Deduct	-166.92	
For Class 54 Rating, Add	236.22	
For Class 55 Rating, Add	355.59	
For Class 56 Rating, Add	473.45	
40 05 19 00-0093 EA 8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,324.31	477.94
For Class 52 Rating, Deduct	-176.02	
For Class 54 Rating, Add	248.71	
For Class 55 Rating, Add	374.21	
For Class 56 Rating, Add	498.11	
40 05 19 00-0094 EA 8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,414.22	482.67
For Class 52 Rating, Deduct	-185.12	
For Class 54 Rating, Add	261.21	
For Class 55 Rating, Add	392.84	
For Class 56 Rating, Add	522.78	
40 05 19 00-0095 EA 8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,504.12	487.41
For Class 52 Rating, Deduct	-194.22	
For Class 54 Rating, Add	273.71	
For Class 55 Rating, Add	411.46	
For Class 56 Rating, Add	547.44	
40 05 19 00-0096 EA 8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,594.01	492.14
For Class 52 Rating, Deduct	-203.32	
For Class 54 Rating, Add	286.20	
For Class 55 Rating, Add	430.08	
For Class 56 Rating, Add	572.11	
40 05 19 00-0097 EA 8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,683.92	496.87
For Class 52 Rating, Deduct	-212.42	
For Class 54 Rating, Add	298.70	
For Class 55 Rating, Add	448.70	
For Class 56 Rating, Add	596.77	
40 05 19 00-0098 EA 8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,773.83	501.60
For Class 52 Rating, Deduct	-221.52	
For Class 54 Rating, Add	311.19	
For Class 55 Rating, Add	467.32	
For Class 56 Rating, Add	621.44	
40 05 19 00-0099 EA 8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,863.74	506.33
For Class 52 Rating, Deduct	-230.62	
For Class 54 Rating, Add	323.69	
For Class 55 Rating, Add	485.95	
For Class 56 Rating, Add	646.10	
40 05 19 00-0100 EA 8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,953.64	511.07
For Class 52 Rating, Deduct	-239.72	
For Class 54 Rating, Add	336.19	
For Class 55 Rating, Add	504.57	
For Class 56 Rating, Add	670.77	
40 05 19 00-0101 EA 8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,043.53	515.80
For Class 52 Rating, Deduct	-248.82	
For Class 54 Rating, Add	348.68	
For Class 55 Rating, Add	523.19	
For Class 56 Rating, Add	695.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0102 EA 8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,133.44	520.53
<i>For Class 52 Rating, Deduct</i>	-257.92	
<i>For Class 54 Rating, Add</i>	361.18	
<i>For Class 55 Rating, Add</i>	541.81	
<i>For Class 56 Rating, Add</i>	720.10	
40 05 19 00-0103 EA 8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,223.35	525.26
<i>For Class 52 Rating, Deduct</i>	-267.02	
<i>For Class 54 Rating, Add</i>	373.67	
<i>For Class 55 Rating, Add</i>	560.43	
<i>For Class 56 Rating, Add</i>	744.76	
40 05 19 00-0104 EA 8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,313.26	529.99
<i>For Class 52 Rating, Deduct</i>	-276.13	
<i>For Class 54 Rating, Add</i>	386.17	
<i>For Class 55 Rating, Add</i>	579.05	
<i>For Class 56 Rating, Add</i>	769.43	
40 05 19 00-0105 EA 8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,403.16	534.73
<i>For Class 52 Rating, Deduct</i>	-285.23	
<i>For Class 54 Rating, Add</i>	398.67	
<i>For Class 55 Rating, Add</i>	597.67	
<i>For Class 56 Rating, Add</i>	794.09	
40 05 19 00-0106 EA 8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,493.06	539.46
<i>For Class 52 Rating, Deduct</i>	-294.33	
<i>For Class 54 Rating, Add</i>	411.16	
<i>For Class 55 Rating, Add</i>	616.30	
<i>For Class 56 Rating, Add</i>	818.76	
40 05 19 00-0107 EA 8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,582.96	544.19
<i>For Class 52 Rating, Deduct</i>	-303.43	
<i>For Class 54 Rating, Add</i>	423.66	
<i>For Class 55 Rating, Add</i>	634.92	
<i>For Class 56 Rating, Add</i>	843.42	
40 05 19 00-0108 EA 8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,672.86	548.92
<i>For Class 52 Rating, Deduct</i>	-312.53	
<i>For Class 54 Rating, Add</i>	436.15	
<i>For Class 55 Rating, Add</i>	653.54	
<i>For Class 56 Rating, Add</i>	868.08	
40 05 19 00-0109 EA 8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,762.78	553.65
<i>For Class 52 Rating, Deduct</i>	-321.63	
<i>For Class 54 Rating, Add</i>	448.65	
<i>For Class 55 Rating, Add</i>	672.16	
<i>For Class 56 Rating, Add</i>	892.75	
40 05 19 00-0110 EA 8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,852.68	558.39
<i>For Class 52 Rating, Deduct</i>	-330.73	
<i>For Class 54 Rating, Add</i>	461.15	
<i>For Class 55 Rating, Add</i>	690.78	
<i>For Class 56 Rating, Add</i>	917.41	
40 05 19 00-0111 EA 8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,942.58	563.12
<i>For Class 52 Rating, Deduct</i>	-339.83	
<i>For Class 54 Rating, Add</i>	473.64	
<i>For Class 55 Rating, Add</i>	709.41	
<i>For Class 56 Rating, Add</i>	942.08	
40 05 19 00-0112 EA 8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,032.48	567.85
<i>For Class 52 Rating, Deduct</i>	-348.93	
<i>For Class 54 Rating, Add</i>	486.14	
<i>For Class 55 Rating, Add</i>	728.03	
<i>For Class 56 Rating, Add</i>	966.74	
40 05 19 00-0113 EA 8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,122.38	572.58
<i>For Class 52 Rating, Deduct</i>	-358.03	
<i>For Class 54 Rating, Add</i>	498.64	
<i>For Class 55 Rating, Add</i>	746.65	
<i>For Class 56 Rating, Add</i>	991.41	
40 05 19 00-0114 EA 8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,212.30	577.31
<i>For Class 52 Rating, Deduct</i>	-367.13	
<i>For Class 54 Rating, Add</i>	511.13	
<i>For Class 55 Rating, Add</i>	765.27	
<i>For Class 56 Rating, Add</i>	1,016.07	
40 05 19 00-0115 EA 8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,302.20	582.05
<i>For Class 52 Rating, Deduct</i>	-376.23	
<i>For Class 54 Rating, Add</i>	523.63	
<i>For Class 55 Rating, Add</i>	783.89	
<i>For Class 56 Rating, Add</i>	1,040.74	
40 05 19 00-0116 EA 8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,392.10	586.78
<i>For Class 52 Rating, Deduct</i>	-385.33	
<i>For Class 54 Rating, Add</i>	536.12	
<i>For Class 55 Rating, Add</i>	802.52	
<i>For Class 56 Rating, Add</i>	1,065.40	
40 05 19 00-0117 EA 8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,482.00	591.51
<i>For Class 52 Rating, Deduct</i>	-394.43	
<i>For Class 54 Rating, Add</i>	548.62	
<i>For Class 55 Rating, Add</i>	821.14	
<i>For Class 56 Rating, Add</i>	1,090.07	
40 05 19 00-0118 EA 8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,571.90	596.24
<i>For Class 52 Rating, Deduct</i>	-403.54	
<i>For Class 54 Rating, Add</i>	561.12	
<i>For Class 55 Rating, Add</i>	839.76	
<i>For Class 56 Rating, Add</i>	1,114.73	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0119	EA		8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,661.81	600.98
			<i>For Class 52 Rating, Deduct</i>	-412.64	
			<i>For Class 54 Rating, Add</i>	573.61	
			<i>For Class 55 Rating, Add</i>	858.38	
			<i>For Class 56 Rating, Add</i>	1,139.40	
40 05 19 00-0120	EA		8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,751.72	605.71
			<i>For Class 52 Rating, Deduct</i>	-421.74	
			<i>For Class 54 Rating, Add</i>	586.11	
			<i>For Class 55 Rating, Add</i>	877.00	
			<i>For Class 56 Rating, Add</i>	1,164.06	
40 05 19 00-0121	EA		8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,841.62	610.44
			<i>For Class 52 Rating, Deduct</i>	-430.84	
			<i>For Class 54 Rating, Add</i>	598.61	
			<i>For Class 55 Rating, Add</i>	895.62	
			<i>For Class 56 Rating, Add</i>	1,188.73	
40 05 19 00-0122	EA		8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,931.52	615.17
			<i>For Class 52 Rating, Deduct</i>	-439.94	
			<i>For Class 54 Rating, Add</i>	611.10	
			<i>For Class 55 Rating, Add</i>	914.25	
			<i>For Class 56 Rating, Add</i>	1,213.39	
40 05 19 00-0123			10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0124	EA		10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,901.14	529.99
			<i>For Class 52 Rating, Deduct</i>	-120.79	
			<i>For Class 54 Rating, Add</i>	174.35	
			<i>For Class 55 Rating, Add</i>	264.15	
			<i>For Class 56 Rating, Add</i>	352.85	
40 05 19 00-0125	EA		10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,017.37	534.73
			<i>For Class 52 Rating, Deduct</i>	-132.79	
			<i>For Class 54 Rating, Add</i>	190.80	
			<i>For Class 55 Rating, Add</i>	288.64	
			<i>For Class 56 Rating, Add</i>	385.28	
40 05 19 00-0126	EA		10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,133.58	539.46
			<i>For Class 52 Rating, Deduct</i>	-144.78	
			<i>For Class 54 Rating, Add</i>	207.24	
			<i>For Class 55 Rating, Add</i>	313.13	
			<i>For Class 56 Rating, Add</i>	417.71	
40 05 19 00-0127	EA		10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,249.81	544.19
			<i>For Class 52 Rating, Deduct</i>	-156.78	
			<i>For Class 54 Rating, Add</i>	223.69	
			<i>For Class 55 Rating, Add</i>	337.63	
			<i>For Class 56 Rating, Add</i>	450.14	
40 05 19 00-0128	EA		10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,366.04	548.92
			<i>For Class 52 Rating, Deduct</i>	-168.78	
			<i>For Class 54 Rating, Add</i>	240.13	
			<i>For Class 55 Rating, Add</i>	362.12	
			<i>For Class 56 Rating, Add</i>	482.57	
40 05 19 00-0129	EA		10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,482.28	553.65
			<i>For Class 52 Rating, Deduct</i>	-180.77	
			<i>For Class 54 Rating, Add</i>	256.58	
			<i>For Class 55 Rating, Add</i>	386.61	
			<i>For Class 56 Rating, Add</i>	515.00	
40 05 19 00-0130	EA		10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,598.51	558.39
			<i>For Class 52 Rating, Deduct</i>	-192.77	
			<i>For Class 54 Rating, Add</i>	273.02	
			<i>For Class 55 Rating, Add</i>	411.10	
			<i>For Class 56 Rating, Add</i>	547.43	
40 05 19 00-0131	EA		10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,714.73	563.12
			<i>For Class 52 Rating, Deduct</i>	-204.77	
			<i>For Class 54 Rating, Add</i>	289.47	
			<i>For Class 55 Rating, Add</i>	435.60	
			<i>For Class 56 Rating, Add</i>	579.86	
40 05 19 00-0132	EA		10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,830.96	567.85
			<i>For Class 52 Rating, Deduct</i>	-216.76	
			<i>For Class 54 Rating, Add</i>	305.91	
			<i>For Class 55 Rating, Add</i>	460.09	
			<i>For Class 56 Rating, Add</i>	612.29	
40 05 19 00-0133	EA		10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,947.18	572.58
			<i>For Class 52 Rating, Deduct</i>	-228.76	
			<i>For Class 54 Rating, Add</i>	322.36	
			<i>For Class 55 Rating, Add</i>	484.58	
			<i>For Class 56 Rating, Add</i>	644.72	
40 05 19 00-0134	EA		10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,063.42	577.31
			<i>For Class 52 Rating, Deduct</i>	-240.76	
			<i>For Class 54 Rating, Add</i>	338.80	
			<i>For Class 55 Rating, Add</i>	509.07	
			<i>For Class 56 Rating, Add</i>	677.15	
40 05 19 00-0135	EA		10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,179.65	582.05
			<i>For Class 52 Rating, Deduct</i>	-252.75	
			<i>For Class 54 Rating, Add</i>	355.25	
			<i>For Class 55 Rating, Add</i>	533.56	
			<i>For Class 56 Rating, Add</i>	709.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0136 EA 10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,295.87	586.78
<i>For Class 52 Rating, Deduct</i>	-264.75	
<i>For Class 54 Rating, Add</i>	371.69	
<i>For Class 55 Rating, Add</i>	558.06	
<i>For Class 56 Rating, Add</i>	742.02	
40 05 19 00-0137 EA 10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,412.10	591.51
<i>For Class 52 Rating, Deduct</i>	-276.75	
<i>For Class 54 Rating, Add</i>	388.14	
<i>For Class 55 Rating, Add</i>	582.55	
<i>For Class 56 Rating, Add</i>	774.45	
40 05 19 00-0138 EA 10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,528.33	596.24
<i>For Class 52 Rating, Deduct</i>	-288.74	
<i>For Class 54 Rating, Add</i>	404.58	
<i>For Class 55 Rating, Add</i>	607.04	
<i>For Class 56 Rating, Add</i>	806.88	
40 05 19 00-0139 EA 10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,644.56	600.98
<i>For Class 52 Rating, Deduct</i>	-300.74	
<i>For Class 54 Rating, Add</i>	421.03	
<i>For Class 55 Rating, Add</i>	631.53	
<i>For Class 56 Rating, Add</i>	839.31	
40 05 19 00-0140 EA 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,760.79	605.71
<i>For Class 52 Rating, Deduct</i>	-312.73	
<i>For Class 54 Rating, Add</i>	437.47	
<i>For Class 55 Rating, Add</i>	656.02	
<i>For Class 56 Rating, Add</i>	871.74	
40 05 19 00-0141 EA 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,877.01	610.44
<i>For Class 52 Rating, Deduct</i>	-324.73	
<i>For Class 54 Rating, Add</i>	453.91	
<i>For Class 55 Rating, Add</i>	680.52	
<i>For Class 56 Rating, Add</i>	904.17	
40 05 19 00-0142 EA 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,993.24	615.17
<i>For Class 52 Rating, Deduct</i>	-336.73	
<i>For Class 54 Rating, Add</i>	470.36	
<i>For Class 55 Rating, Add</i>	705.01	
<i>For Class 56 Rating, Add</i>	936.60	
40 05 19 00-0143 EA 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,109.47	619.90
<i>For Class 52 Rating, Deduct</i>	-348.72	
<i>For Class 54 Rating, Add</i>	486.80	
<i>For Class 55 Rating, Add</i>	729.50	
<i>For Class 56 Rating, Add</i>	969.03	
40 05 19 00-0144 EA 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,225.70	624.64
<i>For Class 52 Rating, Deduct</i>	-360.72	
<i>For Class 54 Rating, Add</i>	503.25	
<i>For Class 55 Rating, Add</i>	753.99	
<i>For Class 56 Rating, Add</i>	1,001.46	
40 05 19 00-0145 EA 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,341.94	629.37
<i>For Class 52 Rating, Deduct</i>	-372.72	
<i>For Class 54 Rating, Add</i>	519.69	
<i>For Class 55 Rating, Add</i>	778.49	
<i>For Class 56 Rating, Add</i>	1,033.89	
40 05 19 00-0146 EA 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,458.16	634.10
<i>For Class 52 Rating, Deduct</i>	-384.71	
<i>For Class 54 Rating, Add</i>	536.14	
<i>For Class 55 Rating, Add</i>	802.98	
<i>For Class 56 Rating, Add</i>	1,066.32	
40 05 19 00-0147 EA 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,574.38	638.83
<i>For Class 52 Rating, Deduct</i>	-396.71	
<i>For Class 54 Rating, Add</i>	552.58	
<i>For Class 55 Rating, Add</i>	827.47	
<i>For Class 56 Rating, Add</i>	1,098.75	
40 05 19 00-0148 EA 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,690.61	643.56
<i>For Class 52 Rating, Deduct</i>	-408.71	
<i>For Class 54 Rating, Add</i>	569.03	
<i>For Class 55 Rating, Add</i>	851.96	
<i>For Class 56 Rating, Add</i>	1,131.18	
40 05 19 00-0149 EA 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,806.84	648.30
<i>For Class 52 Rating, Deduct</i>	-420.70	
<i>For Class 54 Rating, Add</i>	585.47	
<i>For Class 55 Rating, Add</i>	876.45	
<i>For Class 56 Rating, Add</i>	1,163.61	
40 05 19 00-0150 EA 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,923.08	653.03
<i>For Class 52 Rating, Deduct</i>	-432.70	
<i>For Class 54 Rating, Add</i>	601.92	
<i>For Class 55 Rating, Add</i>	900.95	
<i>For Class 56 Rating, Add</i>	1,196.04	
40 05 19 00-0151 EA 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,039.30	657.76
<i>For Class 52 Rating, Deduct</i>	-444.70	
<i>For Class 54 Rating, Add</i>	618.36	
<i>For Class 55 Rating, Add</i>	925.44	
<i>For Class 56 Rating, Add</i>	1,228.47	
40 05 19 00-0152 EA 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,155.53	662.49
<i>For Class 52 Rating, Deduct</i>	-456.69	
<i>For Class 54 Rating, Add</i>	634.81	
<i>For Class 55 Rating, Add</i>	949.93	
<i>For Class 56 Rating, Add</i>	1,260.90	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0153	EA		10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,271.76	667.22
			<i>For Class 52 Rating, Deduct</i>	-468.69	
			<i>For Class 54 Rating, Add</i>	651.25	
			<i>For Class 55 Rating, Add</i>	974.42	
			<i>For Class 56 Rating, Add</i>	1,293.33	
40 05 19 00-0154	EA		10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,387.98	671.96
			<i>For Class 52 Rating, Deduct</i>	-480.68	
			<i>For Class 54 Rating, Add</i>	667.70	
			<i>For Class 55 Rating, Add</i>	998.91	
			<i>For Class 56 Rating, Add</i>	1,325.76	
40 05 19 00-0155	EA		10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,502.33	676.69
			<i>For Class 52 Rating, Deduct</i>	-492.47	
			<i>For Class 54 Rating, Add</i>	683.86	
			<i>For Class 55 Rating, Add</i>	1,022.99	
			<i>For Class 56 Rating, Add</i>	1,357.64	
40 05 19 00-0156	EA		10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,620.44	681.42
			<i>For Class 52 Rating, Deduct</i>	-504.68	
			<i>For Class 54 Rating, Add</i>	700.59	
			<i>For Class 55 Rating, Add</i>	1,047.90	
			<i>For Class 56 Rating, Add</i>	1,390.62	
40 05 19 00-0157	EA		10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,736.67	686.15
			<i>For Class 52 Rating, Deduct</i>	-516.67	
			<i>For Class 54 Rating, Add</i>	717.03	
			<i>For Class 55 Rating, Add</i>	1,072.39	
			<i>For Class 56 Rating, Add</i>	1,423.05	
40 05 19 00-0158	EA		10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,852.90	690.89
			<i>For Class 52 Rating, Deduct</i>	-528.67	
			<i>For Class 54 Rating, Add</i>	733.48	
			<i>For Class 55 Rating, Add</i>	1,096.88	
			<i>For Class 56 Rating, Add</i>	1,455.48	
40 05 19 00-0159	EA		10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,969.13	695.62
			<i>For Class 52 Rating, Deduct</i>	-540.67	
			<i>For Class 54 Rating, Add</i>	749.92	
			<i>For Class 55 Rating, Add</i>	1,121.38	
			<i>For Class 56 Rating, Add</i>	1,487.92	
40 05 19 00-0160	EA		10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,085.36	700.35
			<i>For Class 52 Rating, Deduct</i>	-552.66	
			<i>For Class 54 Rating, Add</i>	766.37	
			<i>For Class 55 Rating, Add</i>	1,145.87	
			<i>For Class 56 Rating, Add</i>	1,520.35	
40 05 19 00-0161	EA		10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,201.58	705.08
			<i>For Class 52 Rating, Deduct</i>	-564.66	
			<i>For Class 54 Rating, Add</i>	782.81	
			<i>For Class 55 Rating, Add</i>	1,170.36	
			<i>For Class 56 Rating, Add</i>	1,552.77	
40 05 19 00-0162	EA		10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,317.81	709.81
			<i>For Class 52 Rating, Deduct</i>	-576.66	
			<i>For Class 54 Rating, Add</i>	799.26	
			<i>For Class 55 Rating, Add</i>	1,194.85	
			<i>For Class 56 Rating, Add</i>	1,585.20	
40 05 19 00-0163			12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0164	EA		12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,474.19	662.49
			<i>For Class 52 Rating, Deduct</i>	-161.75	
			<i>For Class 54 Rating, Add</i>	232.61	
			<i>For Class 55 Rating, Add</i>	351.99	
			<i>For Class 56 Rating, Add</i>	469.91	
40 05 19 00-0165	EA		12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,618.62	667.22
			<i>For Class 52 Rating, Deduct</i>	-176.84	
			<i>For Class 54 Rating, Add</i>	253.28	
			<i>For Class 55 Rating, Add</i>	382.77	
			<i>For Class 56 Rating, Add</i>	510.66	
40 05 19 00-0166	EA		12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,763.06	671.96
			<i>For Class 52 Rating, Deduct</i>	-191.94	
			<i>For Class 54 Rating, Add</i>	273.96	
			<i>For Class 55 Rating, Add</i>	413.56	
			<i>For Class 56 Rating, Add</i>	551.41	
40 05 19 00-0167	EA		12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,907.49	676.69
			<i>For Class 52 Rating, Deduct</i>	-207.04	
			<i>For Class 54 Rating, Add</i>	294.63	
			<i>For Class 55 Rating, Add</i>	444.34	
			<i>For Class 56 Rating, Add</i>	592.16	
40 05 19 00-0168	EA		12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,051.92	681.42
			<i>For Class 52 Rating, Deduct</i>	-222.14	
			<i>For Class 54 Rating, Add</i>	315.31	
			<i>For Class 55 Rating, Add</i>	475.12	
			<i>For Class 56 Rating, Add</i>	632.91	
40 05 19 00-0169	EA		12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,196.36	686.15
			<i>For Class 52 Rating, Deduct</i>	-237.24	
			<i>For Class 54 Rating, Add</i>	335.99	
			<i>For Class 55 Rating, Add</i>	505.90	
			<i>For Class 56 Rating, Add</i>	673.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0170 EA 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,340.79	690.89
<i>For Class 52 Rating, Deduct</i>	-252.34	
<i>For Class 54 Rating, Add</i>	356.66	
<i>For Class 55 Rating, Add</i>	536.68	
<i>For Class 56 Rating, Add</i>	714.41	
40 05 19 00-0171 EA 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,485.22	695.62
<i>For Class 52 Rating, Deduct</i>	-267.44	
<i>For Class 54 Rating, Add</i>	377.34	
<i>For Class 55 Rating, Add</i>	567.46	
<i>For Class 56 Rating, Add</i>	755.16	
40 05 19 00-0172 EA 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,629.66	700.35
<i>For Class 52 Rating, Deduct</i>	-282.54	
<i>For Class 54 Rating, Add</i>	398.01	
<i>For Class 55 Rating, Add</i>	598.25	
<i>For Class 56 Rating, Add</i>	795.91	
40 05 19 00-0173 EA 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,774.09	705.08
<i>For Class 52 Rating, Deduct</i>	-297.64	
<i>For Class 54 Rating, Add</i>	418.69	
<i>For Class 55 Rating, Add</i>	629.03	
<i>For Class 56 Rating, Add</i>	836.66	
40 05 19 00-0174 EA 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,918.52	709.81
<i>For Class 52 Rating, Deduct</i>	-312.73	
<i>For Class 54 Rating, Add</i>	439.36	
<i>For Class 55 Rating, Add</i>	659.81	
<i>For Class 56 Rating, Add</i>	877.41	
40 05 19 00-0175 EA 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,062.96	714.55
<i>For Class 52 Rating, Deduct</i>	-327.83	
<i>For Class 54 Rating, Add</i>	460.04	
<i>For Class 55 Rating, Add</i>	690.59	
<i>For Class 56 Rating, Add</i>	918.17	
40 05 19 00-0176 EA 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,207.39	719.28
<i>For Class 52 Rating, Deduct</i>	-342.93	
<i>For Class 54 Rating, Add</i>	480.71	
<i>For Class 55 Rating, Add</i>	721.37	
<i>For Class 56 Rating, Add</i>	958.92	
40 05 19 00-0177 EA 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,351.82	724.01
<i>For Class 52 Rating, Deduct</i>	-358.03	
<i>For Class 54 Rating, Add</i>	501.39	
<i>For Class 55 Rating, Add</i>	752.15	
<i>For Class 56 Rating, Add</i>	999.67	
40 05 19 00-0178 EA 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,496.25	728.74
<i>For Class 52 Rating, Deduct</i>	-373.13	
<i>For Class 54 Rating, Add</i>	522.06	
<i>For Class 55 Rating, Add</i>	782.94	
<i>For Class 56 Rating, Add</i>	1,040.42	
40 05 19 00-0179 EA 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,640.69	733.47
<i>For Class 52 Rating, Deduct</i>	-388.23	
<i>For Class 54 Rating, Add</i>	542.74	
<i>For Class 55 Rating, Add</i>	813.72	
<i>For Class 56 Rating, Add</i>	1,081.17	
40 05 19 00-0180 EA 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,785.12	738.21
<i>For Class 52 Rating, Deduct</i>	-403.33	
<i>For Class 54 Rating, Add</i>	563.42	
<i>For Class 55 Rating, Add</i>	844.50	
<i>For Class 56 Rating, Add</i>	1,121.92	
40 05 19 00-0181 EA 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,929.56	742.94
<i>For Class 52 Rating, Deduct</i>	-418.43	
<i>For Class 54 Rating, Add</i>	584.09	
<i>For Class 55 Rating, Add</i>	875.28	
<i>For Class 56 Rating, Add</i>	1,162.67	
40 05 19 00-0182 EA 12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,073.99	747.67
<i>For Class 52 Rating, Deduct</i>	-433.53	
<i>For Class 54 Rating, Add</i>	604.77	
<i>For Class 55 Rating, Add</i>	906.06	
<i>For Class 56 Rating, Add</i>	1,203.42	
40 05 19 00-0183 EA 12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,218.41	752.40
<i>For Class 52 Rating, Deduct</i>	-448.63	
<i>For Class 54 Rating, Add</i>	625.44	
<i>For Class 55 Rating, Add</i>	936.85	
<i>For Class 56 Rating, Add</i>	1,244.17	
40 05 19 00-0184 EA 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,362.86	757.13
<i>For Class 52 Rating, Deduct</i>	-463.72	
<i>For Class 54 Rating, Add</i>	646.12	
<i>For Class 55 Rating, Add</i>	967.63	
<i>For Class 56 Rating, Add</i>	1,284.92	
40 05 19 00-0185 EA 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,507.29	761.87
<i>For Class 52 Rating, Deduct</i>	-478.82	
<i>For Class 54 Rating, Add</i>	666.79	
<i>For Class 55 Rating, Add</i>	998.41	
<i>For Class 56 Rating, Add</i>	1,325.67	
40 05 19 00-0186 EA 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,651.72	766.60
<i>For Class 52 Rating, Deduct</i>	-493.92	
<i>For Class 54 Rating, Add</i>	687.47	
<i>For Class 55 Rating, Add</i>	1,029.19	
<i>For Class 56 Rating, Add</i>	1,366.42	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0187	EA		12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,796.16	771.33
			<i>For Class 52 Rating, Deduct</i>	-509.02	
			<i>For Class 54 Rating, Add</i>	708.14	
			<i>For Class 55 Rating, Add</i>	1,059.97	
			<i>For Class 56 Rating, Add</i>	1,407.18	
40 05 19 00-0188	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,940.58	776.06
			<i>For Class 52 Rating, Deduct</i>	-524.12	
			<i>For Class 54 Rating, Add</i>	728.82	
			<i>For Class 55 Rating, Add</i>	1,090.76	
			<i>For Class 56 Rating, Add</i>	1,447.93	
40 05 19 00-0189	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,085.02	780.79
			<i>For Class 52 Rating, Deduct</i>	-539.22	
			<i>For Class 54 Rating, Add</i>	749.49	
			<i>For Class 55 Rating, Add</i>	1,121.54	
			<i>For Class 56 Rating, Add</i>	1,488.68	
40 05 19 00-0190	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,229.46	785.53
			<i>For Class 52 Rating, Deduct</i>	-554.32	
			<i>For Class 54 Rating, Add</i>	770.17	
			<i>For Class 55 Rating, Add</i>	1,152.32	
			<i>For Class 56 Rating, Add</i>	1,529.43	
40 05 19 00-0191	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,373.89	790.26
			<i>For Class 52 Rating, Deduct</i>	-569.42	
			<i>For Class 54 Rating, Add</i>	790.85	
			<i>For Class 55 Rating, Add</i>	1,183.10	
			<i>For Class 56 Rating, Add</i>	1,570.18	
40 05 19 00-0192	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,518.32	794.99
			<i>For Class 52 Rating, Deduct</i>	-584.52	
			<i>For Class 54 Rating, Add</i>	811.52	
			<i>For Class 55 Rating, Add</i>	1,213.88	
			<i>For Class 56 Rating, Add</i>	1,610.93	
40 05 19 00-0193	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,662.75	799.72
			<i>For Class 52 Rating, Deduct</i>	-599.62	
			<i>For Class 54 Rating, Add</i>	832.20	
			<i>For Class 55 Rating, Add</i>	1,244.66	
			<i>For Class 56 Rating, Add</i>	1,651.68	
40 05 19 00-0194	EA		12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,807.18	804.46
			<i>For Class 52 Rating, Deduct</i>	-614.71	
			<i>For Class 54 Rating, Add</i>	852.87	
			<i>For Class 55 Rating, Add</i>	1,275.45	
			<i>For Class 56 Rating, Add</i>	1,692.43	
40 05 19 00-0195	EA		12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,951.62	809.19
			<i>For Class 52 Rating, Deduct</i>	-629.81	
			<i>For Class 54 Rating, Add</i>	873.55	
			<i>For Class 55 Rating, Add</i>	1,306.23	
			<i>For Class 56 Rating, Add</i>	1,733.18	
40 05 19 00-0196	EA		12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,096.06	813.92
			<i>For Class 52 Rating, Deduct</i>	-644.91	
			<i>For Class 54 Rating, Add</i>	894.22	
			<i>For Class 55 Rating, Add</i>	1,337.01	
			<i>For Class 56 Rating, Add</i>	1,773.93	
40 05 19 00-0197	EA		12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,240.49	818.65
			<i>For Class 52 Rating, Deduct</i>	-660.01	
			<i>For Class 54 Rating, Add</i>	914.90	
			<i>For Class 55 Rating, Add</i>	1,367.79	
			<i>For Class 56 Rating, Add</i>	1,814.68	
40 05 19 00-0198	EA		12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,384.91	823.38
			<i>For Class 52 Rating, Deduct</i>	-675.11	
			<i>For Class 54 Rating, Add</i>	935.57	
			<i>For Class 55 Rating, Add</i>	1,398.57	
			<i>For Class 56 Rating, Add</i>	1,855.43	
40 05 19 00-0199	EA		12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,529.35	828.12
			<i>For Class 52 Rating, Deduct</i>	-690.21	
			<i>For Class 54 Rating, Add</i>	956.25	
			<i>For Class 55 Rating, Add</i>	1,429.36	
			<i>For Class 56 Rating, Add</i>	1,896.19	
40 05 19 00-0200	EA		12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,673.79	832.85
			<i>For Class 52 Rating, Deduct</i>	-705.31	
			<i>For Class 54 Rating, Add</i>	976.93	
			<i>For Class 55 Rating, Add</i>	1,460.14	
			<i>For Class 56 Rating, Add</i>	1,936.94	
40 05 19 00-0201	EA		12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,818.22	837.58
			<i>For Class 52 Rating, Deduct</i>	-720.41	
			<i>For Class 54 Rating, Add</i>	997.60	
			<i>For Class 55 Rating, Add</i>	1,490.92	
			<i>For Class 56 Rating, Add</i>	1,977.69	
40 05 19 00-0202	EA		12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,962.66	842.31
			<i>For Class 52 Rating, Deduct</i>	-735.51	
			<i>For Class 54 Rating, Add</i>	1,018.28	
			<i>For Class 55 Rating, Add</i>	1,521.70	
			<i>For Class 56 Rating, Add</i>	2,018.44	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0204 EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,263.49	794.99
<i>For Class 52 Rating, Deduct</i>	-226.48	
<i>For Class 54 Rating, Add</i>	323.30	
<i>For Class 55 Rating, Add</i>	488.05	
<i>For Class 56 Rating, Add</i>	650.75	
40 05 19 00-0205 EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,438.00	799.72
<i>For Class 52 Rating, Deduct</i>	-244.89	
<i>For Class 54 Rating, Add</i>	348.49	
<i>For Class 55 Rating, Add</i>	525.55	
<i>For Class 56 Rating, Add</i>	700.38	
40 05 19 00-0206 EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,612.52	804.46
<i>For Class 52 Rating, Deduct</i>	-263.30	
<i>For Class 54 Rating, Add</i>	373.67	
<i>For Class 55 Rating, Add</i>	563.04	
<i>For Class 56 Rating, Add</i>	750.01	
40 05 19 00-0207 EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,787.05	809.19
<i>For Class 52 Rating, Deduct</i>	-281.71	
<i>For Class 54 Rating, Add</i>	398.86	
<i>For Class 55 Rating, Add</i>	600.53	
<i>For Class 56 Rating, Add</i>	799.63	
40 05 19 00-0208 EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,961.56	813.92
<i>For Class 52 Rating, Deduct</i>	-300.12	
<i>For Class 54 Rating, Add</i>	424.05	
<i>For Class 55 Rating, Add</i>	638.02	
<i>For Class 56 Rating, Add</i>	849.26	
40 05 19 00-0209 EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,136.08	818.65
<i>For Class 52 Rating, Deduct</i>	-318.53	
<i>For Class 54 Rating, Add</i>	449.24	
<i>For Class 55 Rating, Add</i>	675.51	
<i>For Class 56 Rating, Add</i>	898.88	
40 05 19 00-0210 EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,310.59	823.38
<i>For Class 52 Rating, Deduct</i>	-336.93	
<i>For Class 54 Rating, Add</i>	474.43	
<i>For Class 55 Rating, Add</i>	713.00	
<i>For Class 56 Rating, Add</i>	948.51	
40 05 19 00-0211 EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,485.11	828.12
<i>For Class 52 Rating, Deduct</i>	-355.34	
<i>For Class 54 Rating, Add</i>	499.62	
<i>For Class 55 Rating, Add</i>	750.49	
<i>For Class 56 Rating, Add</i>	998.13	
40 05 19 00-0212 EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,659.64	832.85
<i>For Class 52 Rating, Deduct</i>	-373.75	
<i>For Class 54 Rating, Add</i>	524.80	
<i>For Class 55 Rating, Add</i>	787.98	
<i>For Class 56 Rating, Add</i>	1,047.76	
40 05 19 00-0213 EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,834.16	837.58
<i>For Class 52 Rating, Deduct</i>	-392.16	
<i>For Class 54 Rating, Add</i>	549.99	
<i>For Class 55 Rating, Add</i>	825.47	
<i>For Class 56 Rating, Add</i>	1,097.39	
40 05 19 00-0214 EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,008.68	842.31
<i>For Class 52 Rating, Deduct</i>	-410.57	
<i>For Class 54 Rating, Add</i>	575.18	
<i>For Class 55 Rating, Add</i>	862.96	
<i>For Class 56 Rating, Add</i>	1,147.01	
40 05 19 00-0215 EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,183.18	847.04
<i>For Class 52 Rating, Deduct</i>	-428.98	
<i>For Class 54 Rating, Add</i>	600.37	
<i>For Class 55 Rating, Add</i>	900.45	
<i>For Class 56 Rating, Add</i>	1,196.64	
40 05 19 00-0216 EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,357.70	851.78
<i>For Class 52 Rating, Deduct</i>	-447.38	
<i>For Class 54 Rating, Add</i>	625.56	
<i>For Class 55 Rating, Add</i>	937.94	
<i>For Class 56 Rating, Add</i>	1,246.26	
40 05 19 00-0217 EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,532.22	856.51
<i>For Class 52 Rating, Deduct</i>	-465.79	
<i>For Class 54 Rating, Add</i>	650.74	
<i>For Class 55 Rating, Add</i>	975.43	
<i>For Class 56 Rating, Add</i>	1,295.89	
40 05 19 00-0218 EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,706.75	861.24
<i>For Class 52 Rating, Deduct</i>	-484.20	
<i>For Class 54 Rating, Add</i>	675.93	
<i>For Class 55 Rating, Add</i>	1,012.93	
<i>For Class 56 Rating, Add</i>	1,345.52	
40 05 19 00-0219 EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,881.27	865.97
<i>For Class 52 Rating, Deduct</i>	-502.61	
<i>For Class 54 Rating, Add</i>	701.12	
<i>For Class 55 Rating, Add</i>	1,050.42	
<i>For Class 56 Rating, Add</i>	1,395.14	
40 05 19 00-0220 EA 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,055.78	870.70
<i>For Class 52 Rating, Deduct</i>	-521.02	
<i>For Class 54 Rating, Add</i>	726.31	
<i>For Class 55 Rating, Add</i>	1,087.91	
<i>For Class 56 Rating, Add</i>	1,444.77	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0221	EA		14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,230.29	875.44
			<i>For Class 52 Rating, Deduct</i>	-539.43	
			<i>For Class 54 Rating, Add</i>	751.50	
			<i>For Class 55 Rating, Add</i>	1,125.40	
			<i>For Class 56 Rating, Add</i>	1,494.39	
40 05 19 00-0222	EA		14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,404.81	880.17
			<i>For Class 52 Rating, Deduct</i>	-557.83	
			<i>For Class 54 Rating, Add</i>	776.69	
			<i>For Class 55 Rating, Add</i>	1,162.89	
			<i>For Class 56 Rating, Add</i>	1,544.02	
40 05 19 00-0223	EA		14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,579.34	884.90
			<i>For Class 52 Rating, Deduct</i>	-576.24	
			<i>For Class 54 Rating, Add</i>	801.87	
			<i>For Class 55 Rating, Add</i>	1,200.38	
			<i>For Class 56 Rating, Add</i>	1,593.65	
40 05 19 00-0224	EA		14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,753.86	889.63
			<i>For Class 52 Rating, Deduct</i>	-594.65	
			<i>For Class 54 Rating, Add</i>	827.06	
			<i>For Class 55 Rating, Add</i>	1,237.87	
			<i>For Class 56 Rating, Add</i>	1,643.27	
40 05 19 00-0225	EA		14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,928.37	894.36
			<i>For Class 52 Rating, Deduct</i>	-613.06	
			<i>For Class 54 Rating, Add</i>	852.25	
			<i>For Class 55 Rating, Add</i>	1,275.36	
			<i>For Class 56 Rating, Add</i>	1,692.90	
40 05 19 00-0226	EA		14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,102.89	899.10
			<i>For Class 52 Rating, Deduct</i>	-631.47	
			<i>For Class 54 Rating, Add</i>	877.44	
			<i>For Class 55 Rating, Add</i>	1,312.85	
			<i>For Class 56 Rating, Add</i>	1,742.52	
40 05 19 00-0227	EA		14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,277.41	903.83
			<i>For Class 52 Rating, Deduct</i>	-649.88	
			<i>For Class 54 Rating, Add</i>	902.63	
			<i>For Class 55 Rating, Add</i>	1,350.34	
			<i>For Class 56 Rating, Add</i>	1,792.15	
40 05 19 00-0228	EA		14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,451.93	908.56
			<i>For Class 52 Rating, Deduct</i>	-668.28	
			<i>For Class 54 Rating, Add</i>	927.82	
			<i>For Class 55 Rating, Add</i>	1,387.83	
			<i>For Class 56 Rating, Add</i>	1,841.77	
40 05 19 00-0229	EA		14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,626.45	913.29
			<i>For Class 52 Rating, Deduct</i>	-686.69	
			<i>For Class 54 Rating, Add</i>	953.00	
			<i>For Class 55 Rating, Add</i>	1,425.32	
			<i>For Class 56 Rating, Add</i>	1,891.40	
40 05 19 00-0230	EA		14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,800.96	918.03
			<i>For Class 52 Rating, Deduct</i>	-705.10	
			<i>For Class 54 Rating, Add</i>	978.19	
			<i>For Class 55 Rating, Add</i>	1,462.82	
			<i>For Class 56 Rating, Add</i>	1,941.03	
40 05 19 00-0231	EA		14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,975.48	922.76
			<i>For Class 52 Rating, Deduct</i>	-723.51	
			<i>For Class 54 Rating, Add</i>	1,003.38	
			<i>For Class 55 Rating, Add</i>	1,500.31	
			<i>For Class 56 Rating, Add</i>	1,990.65	
40 05 19 00-0232	EA		14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,150.00	927.49
			<i>For Class 52 Rating, Deduct</i>	-741.92	
			<i>For Class 54 Rating, Add</i>	1,028.57	
			<i>For Class 55 Rating, Add</i>	1,537.80	
			<i>For Class 56 Rating, Add</i>	2,040.28	
40 05 19 00-0233	EA		14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,324.52	932.22
			<i>For Class 52 Rating, Deduct</i>	-760.33	
			<i>For Class 54 Rating, Add</i>	1,053.76	
			<i>For Class 55 Rating, Add</i>	1,575.29	
			<i>For Class 56 Rating, Add</i>	2,089.91	
40 05 19 00-0234	EA		14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,499.04	936.95
			<i>For Class 52 Rating, Deduct</i>	-778.73	
			<i>For Class 54 Rating, Add</i>	1,078.95	
			<i>For Class 55 Rating, Add</i>	1,612.78	
			<i>For Class 56 Rating, Add</i>	2,139.53	
40 05 19 00-0235	EA		14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,673.55	941.69
			<i>For Class 52 Rating, Deduct</i>	-797.14	
			<i>For Class 54 Rating, Add</i>	1,104.13	
			<i>For Class 55 Rating, Add</i>	1,650.27	
			<i>For Class 56 Rating, Add</i>	2,189.16	
40 05 19 00-0236	EA		14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,848.07	946.42
			<i>For Class 52 Rating, Deduct</i>	-815.55	
			<i>For Class 54 Rating, Add</i>	1,129.32	
			<i>For Class 55 Rating, Add</i>	1,687.76	
			<i>For Class 56 Rating, Add</i>	2,238.78	
40 05 19 00-0237	EA		14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,022.59	951.15
			<i>For Class 52 Rating, Deduct</i>	-833.96	
			<i>For Class 54 Rating, Add</i>	1,154.51	
			<i>For Class 55 Rating, Add</i>	1,725.25	
			<i>For Class 56 Rating, Add</i>	2,288.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0238 EA 14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,197.11	955.88
<i>For Class 52 Rating, Deduct</i>	-852.37	
<i>For Class 54 Rating, Add</i>	1,179.70	
<i>For Class 55 Rating, Add</i>	1,762.74	
<i>For Class 56 Rating, Add</i>	2,338.04	
40 05 19 00-0239 EA 14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,371.64	960.61
<i>For Class 52 Rating, Deduct</i>	-870.78	
<i>For Class 54 Rating, Add</i>	1,204.89	
<i>For Class 55 Rating, Add</i>	1,800.23	
<i>For Class 56 Rating, Add</i>	2,387.66	
40 05 19 00-0240 EA 14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,546.15	965.35
<i>For Class 52 Rating, Deduct</i>	-889.19	
<i>For Class 54 Rating, Add</i>	1,230.08	
<i>For Class 55 Rating, Add</i>	1,837.72	
<i>For Class 56 Rating, Add</i>	2,437.29	
40 05 19 00-0241 EA 14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,720.66	970.08
<i>For Class 52 Rating, Deduct</i>	-907.59	
<i>For Class 54 Rating, Add</i>	1,255.26	
<i>For Class 55 Rating, Add</i>	1,875.21	
<i>For Class 56 Rating, Add</i>	2,486.91	
40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0243 EA 16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,817.28	908.56
<i>For Class 52 Rating, Deduct</i>	-268.47	
<i>For Class 54 Rating, Add</i>	382.62	
<i>For Class 55 Rating, Add</i>	577.31	
<i>For Class 56 Rating, Add</i>	769.55	
40 05 19 00-0244 EA 16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,020.00	913.29
<i>For Class 52 Rating, Deduct</i>	-289.98	
<i>For Class 54 Rating, Add</i>	412.04	
<i>For Class 55 Rating, Add</i>	621.09	
<i>For Class 56 Rating, Add</i>	827.50	
40 05 19 00-0245 EA 16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,222.71	918.03
<i>For Class 52 Rating, Deduct</i>	-311.49	
<i>For Class 54 Rating, Add</i>	441.46	
<i>For Class 55 Rating, Add</i>	664.87	
<i>For Class 56 Rating, Add</i>	885.44	
40 05 19 00-0246 EA 16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,425.44	922.76
<i>For Class 52 Rating, Deduct</i>	-333.01	
<i>For Class 54 Rating, Add</i>	470.88	
<i>For Class 55 Rating, Add</i>	708.65	
<i>For Class 56 Rating, Add</i>	943.39	
40 05 19 00-0247 EA 16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,628.16	927.49
<i>For Class 52 Rating, Deduct</i>	-354.52	
<i>For Class 54 Rating, Add</i>	500.29	
<i>For Class 55 Rating, Add</i>	752.43	
<i>For Class 56 Rating, Add</i>	1,001.34	
40 05 19 00-0248 EA 16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,830.88	932.22
<i>For Class 52 Rating, Deduct</i>	-376.03	
<i>For Class 54 Rating, Add</i>	529.71	
<i>For Class 55 Rating, Add</i>	796.21	
<i>For Class 56 Rating, Add</i>	1,059.28	
40 05 19 00-0249 EA 16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,033.62	936.95
<i>For Class 52 Rating, Deduct</i>	-397.54	
<i>For Class 54 Rating, Add</i>	559.13	
<i>For Class 55 Rating, Add</i>	839.99	
<i>For Class 56 Rating, Add</i>	1,117.23	
40 05 19 00-0250 EA 16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,236.33	941.69
<i>For Class 52 Rating, Deduct</i>	-419.05	
<i>For Class 54 Rating, Add</i>	588.55	
<i>For Class 55 Rating, Add</i>	883.77	
<i>For Class 56 Rating, Add</i>	1,175.18	
40 05 19 00-0251 EA 16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,439.05	946.42
<i>For Class 52 Rating, Deduct</i>	-440.56	
<i>For Class 54 Rating, Add</i>	617.97	
<i>For Class 55 Rating, Add</i>	927.55	
<i>For Class 56 Rating, Add</i>	1,233.12	
40 05 19 00-0252 EA 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,641.77	951.15
<i>For Class 52 Rating, Deduct</i>	-462.07	
<i>For Class 54 Rating, Add</i>	647.39	
<i>For Class 55 Rating, Add</i>	971.33	
<i>For Class 56 Rating, Add</i>	1,291.07	
40 05 19 00-0253 EA 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,844.50	955.88
<i>For Class 52 Rating, Deduct</i>	-483.58	
<i>For Class 54 Rating, Add</i>	676.81	
<i>For Class 55 Rating, Add</i>	1,015.11	
<i>For Class 56 Rating, Add</i>	1,349.02	
40 05 19 00-0254 EA 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,047.23	960.61
<i>For Class 52 Rating, Deduct</i>	-505.09	
<i>For Class 54 Rating, Add</i>	706.23	
<i>For Class 55 Rating, Add</i>	1,058.89	
<i>For Class 56 Rating, Add</i>	1,406.96	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,249.94	965.35
		<i>For Class 52 Rating, Deduct</i>	-526.60	
		<i>For Class 54 Rating, Add</i>	735.65	
		<i>For Class 55 Rating, Add</i>	1,102.67	
		<i>For Class 56 Rating, Add</i>	1,464.91	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,452.67	970.08
		<i>For Class 52 Rating, Deduct</i>	-548.11	
		<i>For Class 54 Rating, Add</i>	765.07	
		<i>For Class 55 Rating, Add</i>	1,146.45	
		<i>For Class 56 Rating, Add</i>	1,522.85	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,655.39	974.81
		<i>For Class 52 Rating, Deduct</i>	-569.62	
		<i>For Class 54 Rating, Add</i>	794.48	
		<i>For Class 55 Rating, Add</i>	1,190.23	
		<i>For Class 56 Rating, Add</i>	1,580.80	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,858.11	979.54
		<i>For Class 52 Rating, Deduct</i>	-591.13	
		<i>For Class 54 Rating, Add</i>	823.90	
		<i>For Class 55 Rating, Add</i>	1,234.01	
		<i>For Class 56 Rating, Add</i>	1,638.75	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,060.84	984.27
		<i>For Class 52 Rating, Deduct</i>	-612.65	
		<i>For Class 54 Rating, Add</i>	853.32	
		<i>For Class 55 Rating, Add</i>	1,277.79	
		<i>For Class 56 Rating, Add</i>	1,696.69	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,263.57	989.01
		<i>For Class 52 Rating, Deduct</i>	-634.16	
		<i>For Class 54 Rating, Add</i>	882.74	
		<i>For Class 55 Rating, Add</i>	1,321.57	
		<i>For Class 56 Rating, Add</i>	1,754.64	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,466.28	993.74
		<i>For Class 52 Rating, Deduct</i>	-655.67	
		<i>For Class 54 Rating, Add</i>	912.16	
		<i>For Class 55 Rating, Add</i>	1,365.35	
		<i>For Class 56 Rating, Add</i>	1,812.58	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,669.01	998.47
		<i>For Class 52 Rating, Deduct</i>	-677.18	
		<i>For Class 54 Rating, Add</i>	941.58	
		<i>For Class 55 Rating, Add</i>	1,409.13	
		<i>For Class 56 Rating, Add</i>	1,870.53	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,871.73	1,003.20
		<i>For Class 52 Rating, Deduct</i>	-698.69	
		<i>For Class 54 Rating, Add</i>	971.00	
		<i>For Class 55 Rating, Add</i>	1,452.91	
		<i>For Class 56 Rating, Add</i>	1,928.48	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,074.45	1,007.93
		<i>For Class 52 Rating, Deduct</i>	-720.20	
		<i>For Class 54 Rating, Add</i>	1,000.42	
		<i>For Class 55 Rating, Add</i>	1,496.69	
		<i>For Class 56 Rating, Add</i>	1,986.42	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,277.19	1,012.67
		<i>For Class 52 Rating, Deduct</i>	-741.71	
		<i>For Class 54 Rating, Add</i>	1,029.84	
		<i>For Class 55 Rating, Add</i>	1,540.48	
		<i>For Class 56 Rating, Add</i>	2,044.37	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,479.90	1,017.40
		<i>For Class 52 Rating, Deduct</i>	-763.22	
		<i>For Class 54 Rating, Add</i>	1,059.26	
		<i>For Class 55 Rating, Add</i>	1,584.26	
		<i>For Class 56 Rating, Add</i>	2,102.32	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,682.62	1,022.13
		<i>For Class 52 Rating, Deduct</i>	-784.73	
		<i>For Class 54 Rating, Add</i>	1,088.67	
		<i>For Class 55 Rating, Add</i>	1,628.03	
		<i>For Class 56 Rating, Add</i>	2,160.26	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,885.35	1,026.86
		<i>For Class 52 Rating, Deduct</i>	-806.24	
		<i>For Class 54 Rating, Add</i>	1,118.09	
		<i>For Class 55 Rating, Add</i>	1,671.82	
		<i>For Class 56 Rating, Add</i>	2,218.21	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,088.07	1,031.60
		<i>For Class 52 Rating, Deduct</i>	-827.75	
		<i>For Class 54 Rating, Add</i>	1,147.51	
		<i>For Class 55 Rating, Add</i>	1,715.60	
		<i>For Class 56 Rating, Add</i>	2,276.16	
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,290.79	1,036.33
		<i>For Class 52 Rating, Deduct</i>	-849.26	
		<i>For Class 54 Rating, Add</i>	1,176.93	
		<i>For Class 55 Rating, Add</i>	1,759.38	
		<i>For Class 56 Rating, Add</i>	2,334.10	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,493.52	1,041.06
		<i>For Class 52 Rating, Deduct</i>	-870.78	
		<i>For Class 54 Rating, Add</i>	1,206.35	
		<i>For Class 55 Rating, Add</i>	1,803.16	
		<i>For Class 56 Rating, Add</i>	2,392.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272 EA 16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,696.24	1,045.79
<i>For Class 52 Rating, Deduct</i>	-892.29	
<i>For Class 54 Rating, Add</i>	1,235.77	
<i>For Class 55 Rating, Add</i>	1,846.94	
<i>For Class 56 Rating, Add</i>	2,449.99	
40 05 19 00-0273 EA 16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,898.96	1,050.52
<i>For Class 52 Rating, Deduct</i>	-913.80	
<i>For Class 54 Rating, Add</i>	1,265.19	
<i>For Class 55 Rating, Add</i>	1,890.72	
<i>For Class 56 Rating, Add</i>	2,507.94	
40 05 19 00-0274 EA 16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,101.69	1,055.26
<i>For Class 52 Rating, Deduct</i>	-935.31	
<i>For Class 54 Rating, Add</i>	1,294.61	
<i>For Class 55 Rating, Add</i>	1,934.50	
<i>For Class 56 Rating, Add</i>	2,565.89	
40 05 19 00-0275 EA 16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,304.41	1,059.99
<i>For Class 52 Rating, Deduct</i>	-956.82	
<i>For Class 54 Rating, Add</i>	1,324.03	
<i>For Class 55 Rating, Add</i>	1,978.28	
<i>For Class 56 Rating, Add</i>	2,623.83	
40 05 19 00-0276 EA 16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,507.13	1,064.72
<i>For Class 52 Rating, Deduct</i>	-978.33	
<i>For Class 54 Rating, Add</i>	1,353.45	
<i>For Class 55 Rating, Add</i>	2,022.06	
<i>For Class 56 Rating, Add</i>	2,681.78	
40 05 19 00-0277 EA 16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,709.86	1,069.45
<i>For Class 52 Rating, Deduct</i>	-999.84	
<i>For Class 54 Rating, Add</i>	1,382.87	
<i>For Class 55 Rating, Add</i>	2,065.84	
<i>For Class 56 Rating, Add</i>	2,739.73	
40 05 19 00-0278 EA 16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,912.58	1,074.18
<i>For Class 52 Rating, Deduct</i>	-1,021.35	
<i>For Class 54 Rating, Add</i>	1,412.28	
<i>For Class 55 Rating, Add</i>	2,109.62	
<i>For Class 56 Rating, Add</i>	2,797.67	
40 05 19 00-0279 EA 16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,115.30	1,078.92
<i>For Class 52 Rating, Deduct</i>	-1,042.86	
<i>For Class 54 Rating, Add</i>	1,441.70	
<i>For Class 55 Rating, Add</i>	2,153.40	
<i>For Class 56 Rating, Add</i>	2,855.62	
40 05 19 00-0280 EA 16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,318.03	1,083.65
<i>For Class 52 Rating, Deduct</i>	-1,064.37	
<i>For Class 54 Rating, Add</i>	1,471.12	
<i>For Class 55 Rating, Add</i>	2,197.18	
<i>For Class 56 Rating, Add</i>	2,913.57	
40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0282 EA 18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,428.45	1,024.02
<i>For Class 52 Rating, Deduct</i>	-316.46	
<i>For Class 54 Rating, Add</i>	450.15	
<i>For Class 55 Rating, Add</i>	678.78	
<i>For Class 56 Rating, Add</i>	904.54	
40 05 19 00-0283 EA 18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,661.25	1,028.76
<i>For Class 52 Rating, Deduct</i>	-341.28	
<i>For Class 54 Rating, Add</i>	484.08	
<i>For Class 55 Rating, Add</i>	729.27	
<i>For Class 56 Rating, Add</i>	971.36	
40 05 19 00-0284 EA 18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,894.07	1,033.49
<i>For Class 52 Rating, Deduct</i>	-366.10	
<i>For Class 54 Rating, Add</i>	518.02	
<i>For Class 55 Rating, Add</i>	779.76	
<i>For Class 56 Rating, Add</i>	1,038.18	
40 05 19 00-0285 EA 18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,126.87	1,038.22
<i>For Class 52 Rating, Deduct</i>	-390.92	
<i>For Class 54 Rating, Add</i>	551.95	
<i>For Class 55 Rating, Add</i>	830.25	
<i>For Class 56 Rating, Add</i>	1,105.00	
40 05 19 00-0286 EA 18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,359.68	1,042.95
<i>For Class 52 Rating, Deduct</i>	-415.74	
<i>For Class 54 Rating, Add</i>	585.88	
<i>For Class 55 Rating, Add</i>	880.74	
<i>For Class 56 Rating, Add</i>	1,171.82	
40 05 19 00-0287 EA 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,592.49	1,047.68
<i>For Class 52 Rating, Deduct</i>	-440.56	
<i>For Class 54 Rating, Add</i>	619.81	
<i>For Class 55 Rating, Add</i>	931.23	
<i>For Class 56 Rating, Add</i>	1,238.65	
40 05 19 00-0288 EA 18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,825.29	1,052.42
<i>For Class 52 Rating, Deduct</i>	-465.38	
<i>For Class 54 Rating, Add</i>	653.74	
<i>For Class 55 Rating, Add</i>	981.72	
<i>For Class 56 Rating, Add</i>	1,305.47	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0289	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,058.11	1,057.15
			<i>For Class 52 Rating, Deduct</i>	-490.20	
			<i>For Class 54 Rating, Add</i>	687.68	
			<i>For Class 55 Rating, Add</i>	1,032.21	
			<i>For Class 56 Rating, Add</i>	1,372.29	
40 05 19 00-0290	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,290.92	1,061.88
			<i>For Class 52 Rating, Deduct</i>	-515.02	
			<i>For Class 54 Rating, Add</i>	721.61	
			<i>For Class 55 Rating, Add</i>	1,082.70	
			<i>For Class 56 Rating, Add</i>	1,439.11	
40 05 19 00-0291	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,523.73	1,066.61
			<i>For Class 52 Rating, Deduct</i>	-539.84	
			<i>For Class 54 Rating, Add</i>	755.54	
			<i>For Class 55 Rating, Add</i>	1,133.19	
			<i>For Class 56 Rating, Add</i>	1,505.93	
40 05 19 00-0292	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,756.53	1,071.34
			<i>For Class 52 Rating, Deduct</i>	-564.66	
			<i>For Class 54 Rating, Add</i>	789.47	
			<i>For Class 55 Rating, Add</i>	1,183.68	
			<i>For Class 56 Rating, Add</i>	1,572.75	
40 05 19 00-0293	EA		18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,989.33	1,076.08
			<i>For Class 52 Rating, Deduct</i>	-589.48	
			<i>For Class 54 Rating, Add</i>	823.40	
			<i>For Class 55 Rating, Add</i>	1,234.17	
			<i>For Class 56 Rating, Add</i>	1,639.57	
40 05 19 00-0294	EA		18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,222.14	1,080.81
			<i>For Class 52 Rating, Deduct</i>	-614.30	
			<i>For Class 54 Rating, Add</i>	857.33	
			<i>For Class 55 Rating, Add</i>	1,284.66	
			<i>For Class 56 Rating, Add</i>	1,706.40	
40 05 19 00-0295	EA		18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,454.96	1,085.54
			<i>For Class 52 Rating, Deduct</i>	-639.12	
			<i>For Class 54 Rating, Add</i>	891.27	
			<i>For Class 55 Rating, Add</i>	1,335.15	
			<i>For Class 56 Rating, Add</i>	1,773.22	
40 05 19 00-0296	EA		18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,687.77	1,090.27
			<i>For Class 52 Rating, Deduct</i>	-663.94	
			<i>For Class 54 Rating, Add</i>	925.20	
			<i>For Class 55 Rating, Add</i>	1,385.64	
			<i>For Class 56 Rating, Add</i>	1,840.04	
40 05 19 00-0297	EA		18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,920.58	1,095.01
			<i>For Class 52 Rating, Deduct</i>	-688.76	
			<i>For Class 54 Rating, Add</i>	959.13	
			<i>For Class 55 Rating, Add</i>	1,436.13	
			<i>For Class 56 Rating, Add</i>	1,906.86	
40 05 19 00-0298	EA		18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,153.37	1,099.74
			<i>For Class 52 Rating, Deduct</i>	-713.58	
			<i>For Class 54 Rating, Add</i>	993.06	
			<i>For Class 55 Rating, Add</i>	1,486.61	
			<i>For Class 56 Rating, Add</i>	1,973.68	
40 05 19 00-0299	EA		18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,386.18	1,104.47
			<i>For Class 52 Rating, Deduct</i>	-738.40	
			<i>For Class 54 Rating, Add</i>	1,026.99	
			<i>For Class 55 Rating, Add</i>	1,537.10	
			<i>For Class 56 Rating, Add</i>	2,040.50	
40 05 19 00-0300	EA		18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,619.00	1,109.20
			<i>For Class 52 Rating, Deduct</i>	-763.22	
			<i>For Class 54 Rating, Add</i>	1,060.92	
			<i>For Class 55 Rating, Add</i>	1,587.59	
			<i>For Class 56 Rating, Add</i>	2,107.32	
40 05 19 00-0301	EA		18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,851.81	1,113.93
			<i>For Class 52 Rating, Deduct</i>	-788.04	
			<i>For Class 54 Rating, Add</i>	1,094.86	
			<i>For Class 55 Rating, Add</i>	1,638.08	
			<i>For Class 56 Rating, Add</i>	2,174.15	
40 05 19 00-0302	EA		18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,084.62	1,118.67
			<i>For Class 52 Rating, Deduct</i>	-812.86	
			<i>For Class 54 Rating, Add</i>	1,128.79	
			<i>For Class 55 Rating, Add</i>	1,688.57	
			<i>For Class 56 Rating, Add</i>	2,240.97	
40 05 19 00-0303	EA		18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,317.42	1,123.40
			<i>For Class 52 Rating, Deduct</i>	-837.68	
			<i>For Class 54 Rating, Add</i>	1,162.72	
			<i>For Class 55 Rating, Add</i>	1,739.06	
			<i>For Class 56 Rating, Add</i>	2,307.79	
40 05 19 00-0304	EA		18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,550.22	1,128.13
			<i>For Class 52 Rating, Deduct</i>	-862.50	
			<i>For Class 54 Rating, Add</i>	1,196.65	
			<i>For Class 55 Rating, Add</i>	1,789.55	
			<i>For Class 56 Rating, Add</i>	2,374.61	
40 05 19 00-0305	EA		18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,783.03	1,132.86
			<i>For Class 52 Rating, Deduct</i>	-887.32	
			<i>For Class 54 Rating, Add</i>	1,230.58	
			<i>For Class 55 Rating, Add</i>	1,840.04	
			<i>For Class 56 Rating, Add</i>	2,441.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0306 EA 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,015.85	1,137.59
<i>For Class 52 Rating, Deduct</i>	-912.14	
<i>For Class 54 Rating, Add</i>	1,264.52	
<i>For Class 55 Rating, Add</i>	1,890.53	
<i>For Class 56 Rating, Add</i>	2,508.25	
40 05 19 00-0307 EA 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,248.66	1,142.33
<i>For Class 52 Rating, Deduct</i>	-936.96	
<i>For Class 54 Rating, Add</i>	1,298.45	
<i>For Class 55 Rating, Add</i>	1,941.02	
<i>For Class 56 Rating, Add</i>	2,575.07	
40 05 19 00-0308 EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,481.46	1,147.06
<i>For Class 52 Rating, Deduct</i>	-961.78	
<i>For Class 54 Rating, Add</i>	1,332.38	
<i>For Class 55 Rating, Add</i>	1,991.51	
<i>For Class 56 Rating, Add</i>	2,641.90	
40 05 19 00-0309 EA 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,714.27	1,151.79
<i>For Class 52 Rating, Deduct</i>	-986.60	
<i>For Class 54 Rating, Add</i>	1,366.31	
<i>For Class 55 Rating, Add</i>	2,042.00	
<i>For Class 56 Rating, Add</i>	2,708.72	
40 05 19 00-0310 EA 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,947.07	1,156.52
<i>For Class 52 Rating, Deduct</i>	-1,011.42	
<i>For Class 54 Rating, Add</i>	1,400.24	
<i>For Class 55 Rating, Add</i>	2,092.49	
<i>For Class 56 Rating, Add</i>	2,775.54	
40 05 19 00-0311 EA 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,179.89	1,161.26
<i>For Class 52 Rating, Deduct</i>	-1,036.24	
<i>For Class 54 Rating, Add</i>	1,434.17	
<i>For Class 55 Rating, Add</i>	2,142.98	
<i>For Class 56 Rating, Add</i>	2,842.36	
40 05 19 00-0312 EA 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,412.70	1,165.99
<i>For Class 52 Rating, Deduct</i>	-1,061.06	
<i>For Class 54 Rating, Add</i>	1,468.11	
<i>For Class 55 Rating, Add</i>	2,193.47	
<i>For Class 56 Rating, Add</i>	2,909.18	
40 05 19 00-0313 EA 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,645.50	1,170.73
<i>For Class 52 Rating, Deduct</i>	-1,085.88	
<i>For Class 54 Rating, Add</i>	1,502.04	
<i>For Class 55 Rating, Add</i>	2,243.96	
<i>For Class 56 Rating, Add</i>	2,976.00	
40 05 19 00-0314 EA 18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,878.31	1,175.45
<i>For Class 52 Rating, Deduct</i>	-1,110.71	
<i>For Class 54 Rating, Add</i>	1,535.97	
<i>For Class 55 Rating, Add</i>	2,294.45	
<i>For Class 56 Rating, Add</i>	3,042.83	
40 05 19 00-0315 EA 18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,111.12	1,180.19
<i>For Class 52 Rating, Deduct</i>	-1,135.53	
<i>For Class 54 Rating, Add</i>	1,569.90	
<i>For Class 55 Rating, Add</i>	2,344.94	
<i>For Class 56 Rating, Add</i>	3,109.65	
40 05 19 00-0316 EA 18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,343.94	1,184.93
<i>For Class 52 Rating, Deduct</i>	-1,160.35	
<i>For Class 54 Rating, Add</i>	1,603.83	
<i>For Class 55 Rating, Add</i>	2,395.43	
<i>For Class 56 Rating, Add</i>	3,176.47	
40 05 19 00-0317 EA 18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,576.74	1,189.66
<i>For Class 52 Rating, Deduct</i>	-1,185.17	
<i>For Class 54 Rating, Add</i>	1,637.76	
<i>For Class 55 Rating, Add</i>	2,445.91	
<i>For Class 56 Rating, Add</i>	3,243.29	
40 05 19 00-0318 EA 18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,809.54	1,194.39
<i>For Class 52 Rating, Deduct</i>	-1,209.99	
<i>For Class 54 Rating, Add</i>	1,671.70	
<i>For Class 55 Rating, Add</i>	2,496.40	
<i>For Class 56 Rating, Add</i>	3,310.11	
40 05 19 00-0319 EA 18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,042.35	1,199.12
<i>For Class 52 Rating, Deduct</i>	-1,234.81	
<i>For Class 54 Rating, Add</i>	1,705.63	
<i>For Class 55 Rating, Add</i>	2,546.89	
<i>For Class 56 Rating, Add</i>	3,376.93	
40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321 EA 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,172.46	1,168.84
<i>For Class 52 Rating, Deduct</i>	-374.17	
<i>For Class 54 Rating, Add</i>	531.48	
<i>For Class 55 Rating, Add</i>	801.04	
<i>For Class 56 Rating, Add</i>	1,067.20	
40 05 19 00-0322 EA 20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,439.11	1,173.56
<i>For Class 52 Rating, Deduct</i>	-402.71	
<i>For Class 54 Rating, Add</i>	570.48	
<i>For Class 55 Rating, Add</i>	859.07	
<i>For Class 56 Rating, Add</i>	1,144.00	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,705.77	1,178.30
		<i>For Class 52 Rating, Deduct</i>	-431.25	
		<i>For Class 54 Rating, Add</i>	609.49	
		<i>For Class 55 Rating, Add</i>	917.11	
		<i>For Class 56 Rating, Add</i>	1,220.81	
40 05 19 00-0324	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,972.41	1,183.03
		<i>For Class 52 Rating, Deduct</i>	-459.79	
		<i>For Class 54 Rating, Add</i>	648.50	
		<i>For Class 55 Rating, Add</i>	975.15	
		<i>For Class 56 Rating, Add</i>	1,297.61	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,239.07	1,187.76
		<i>For Class 52 Rating, Deduct</i>	-488.34	
		<i>For Class 54 Rating, Add</i>	687.51	
		<i>For Class 55 Rating, Add</i>	1,033.19	
		<i>For Class 56 Rating, Add</i>	1,374.42	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,505.73	1,192.50
		<i>For Class 52 Rating, Deduct</i>	-516.88	
		<i>For Class 54 Rating, Add</i>	726.52	
		<i>For Class 55 Rating, Add</i>	1,091.22	
		<i>For Class 56 Rating, Add</i>	1,451.23	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,772.38	1,197.23
		<i>For Class 52 Rating, Deduct</i>	-545.42	
		<i>For Class 54 Rating, Add</i>	765.53	
		<i>For Class 55 Rating, Add</i>	1,149.26	
		<i>For Class 56 Rating, Add</i>	1,528.03	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,039.04	1,201.96
		<i>For Class 52 Rating, Deduct</i>	-573.97	
		<i>For Class 54 Rating, Add</i>	804.54	
		<i>For Class 55 Rating, Add</i>	1,207.30	
		<i>For Class 56 Rating, Add</i>	1,604.84	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,305.68	1,206.69
		<i>For Class 52 Rating, Deduct</i>	-602.51	
		<i>For Class 54 Rating, Add</i>	843.55	
		<i>For Class 55 Rating, Add</i>	1,265.33	
		<i>For Class 56 Rating, Add</i>	1,681.64	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,572.34	1,211.42
		<i>For Class 52 Rating, Deduct</i>	-631.05	
		<i>For Class 54 Rating, Add</i>	882.55	
		<i>For Class 55 Rating, Add</i>	1,323.37	
		<i>For Class 56 Rating, Add</i>	1,758.45	
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,839.00	1,216.16
		<i>For Class 52 Rating, Deduct</i>	-659.60	
		<i>For Class 54 Rating, Add</i>	921.56	
		<i>For Class 55 Rating, Add</i>	1,381.41	
		<i>For Class 56 Rating, Add</i>	1,835.26	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,105.65	1,220.89
		<i>For Class 52 Rating, Deduct</i>	-688.14	
		<i>For Class 54 Rating, Add</i>	960.57	
		<i>For Class 55 Rating, Add</i>	1,439.44	
		<i>For Class 56 Rating, Add</i>	1,912.06	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,372.31	1,225.62
		<i>For Class 52 Rating, Deduct</i>	-716.68	
		<i>For Class 54 Rating, Add</i>	999.58	
		<i>For Class 55 Rating, Add</i>	1,497.48	
		<i>For Class 56 Rating, Add</i>	1,988.87	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,638.95	1,230.35
		<i>For Class 52 Rating, Deduct</i>	-745.23	
		<i>For Class 54 Rating, Add</i>	1,038.59	
		<i>For Class 55 Rating, Add</i>	1,555.52	
		<i>For Class 56 Rating, Add</i>	2,065.67	
40 05 19 00-0335	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,905.61	1,235.09
		<i>For Class 52 Rating, Deduct</i>	-773.77	
		<i>For Class 54 Rating, Add</i>	1,077.60	
		<i>For Class 55 Rating, Add</i>	1,613.56	
		<i>For Class 56 Rating, Add</i>	2,142.48	
40 05 19 00-0336	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,172.26	1,239.82
		<i>For Class 52 Rating, Deduct</i>	-802.31	
		<i>For Class 54 Rating, Add</i>	1,116.61	
		<i>For Class 55 Rating, Add</i>	1,671.59	
		<i>For Class 56 Rating, Add</i>	2,219.29	
40 05 19 00-0337	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,438.93	1,244.55
		<i>For Class 52 Rating, Deduct</i>	-830.86	
		<i>For Class 54 Rating, Add</i>	1,155.62	
		<i>For Class 55 Rating, Add</i>	1,729.63	
		<i>For Class 56 Rating, Add</i>	2,296.09	
40 05 19 00-0338	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,705.58	1,249.28
		<i>For Class 52 Rating, Deduct</i>	-859.40	
		<i>For Class 54 Rating, Add</i>	1,194.62	
		<i>For Class 55 Rating, Add</i>	1,787.67	
		<i>For Class 56 Rating, Add</i>	2,372.90	
40 05 19 00-0339	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,972.22	1,254.01
		<i>For Class 52 Rating, Deduct</i>	-887.94	
		<i>For Class 54 Rating, Add</i>	1,233.63	
		<i>For Class 55 Rating, Add</i>	1,845.70	
		<i>For Class 56 Rating, Add</i>	2,449.70	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0340 EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,238.88	1,258.75
<i>For Class 52 Rating, Deduct</i>	-916.49	
<i>For Class 54 Rating, Add</i>	1,272.64	
<i>For Class 55 Rating, Add</i>	1,903.74	
<i>For Class 56 Rating, Add</i>	2,526.51	
40 05 19 00-0341 EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,505.53	1,263.48
<i>For Class 52 Rating, Deduct</i>	-945.03	
<i>For Class 54 Rating, Add</i>	1,311.65	
<i>For Class 55 Rating, Add</i>	1,961.78	
<i>For Class 56 Rating, Add</i>	2,603.31	
40 05 19 00-0342 EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,772.20	1,268.21
<i>For Class 52 Rating, Deduct</i>	-973.57	
<i>For Class 54 Rating, Add</i>	1,350.66	
<i>For Class 55 Rating, Add</i>	2,019.82	
<i>For Class 56 Rating, Add</i>	2,680.12	
40 05 19 00-0343 EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,038.85	1,272.94
<i>For Class 52 Rating, Deduct</i>	-1,002.12	
<i>For Class 54 Rating, Add</i>	1,389.67	
<i>For Class 55 Rating, Add</i>	2,077.85	
<i>For Class 56 Rating, Add</i>	2,756.93	
40 05 19 00-0344 EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,305.49	1,277.67
<i>For Class 52 Rating, Deduct</i>	-1,030.66	
<i>For Class 54 Rating, Add</i>	1,428.67	
<i>For Class 55 Rating, Add</i>	2,135.89	
<i>For Class 56 Rating, Add</i>	2,833.73	
40 05 19 00-0345 EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,572.15	1,282.41
<i>For Class 52 Rating, Deduct</i>	-1,059.20	
<i>For Class 54 Rating, Add</i>	1,467.68	
<i>For Class 55 Rating, Add</i>	2,193.93	
<i>For Class 56 Rating, Add</i>	2,910.54	
40 05 19 00-0346 EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,838.80	1,287.14
<i>For Class 52 Rating, Deduct</i>	-1,087.75	
<i>For Class 54 Rating, Add</i>	1,506.69	
<i>For Class 55 Rating, Add</i>	2,251.96	
<i>For Class 56 Rating, Add</i>	2,987.34	
40 05 19 00-0347 EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,105.46	1,291.87
<i>For Class 52 Rating, Deduct</i>	-1,116.29	
<i>For Class 54 Rating, Add</i>	1,545.70	
<i>For Class 55 Rating, Add</i>	2,310.00	
<i>For Class 56 Rating, Add</i>	3,064.15	
40 05 19 00-0348 EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,372.12	1,296.60
<i>For Class 52 Rating, Deduct</i>	-1,144.83	
<i>For Class 54 Rating, Add</i>	1,584.71	
<i>For Class 55 Rating, Add</i>	2,368.04	
<i>For Class 56 Rating, Add</i>	3,140.96	
40 05 19 00-0349 EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,638.77	1,301.33
<i>For Class 52 Rating, Deduct</i>	-1,173.38	
<i>For Class 54 Rating, Add</i>	1,623.72	
<i>For Class 55 Rating, Add</i>	2,426.08	
<i>For Class 56 Rating, Add</i>	3,217.76	
40 05 19 00-0350 EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,905.42	1,306.07
<i>For Class 52 Rating, Deduct</i>	-1,201.92	
<i>For Class 54 Rating, Add</i>	1,662.73	
<i>For Class 55 Rating, Add</i>	2,484.11	
<i>For Class 56 Rating, Add</i>	3,294.57	
40 05 19 00-0351 EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,172.07	1,310.80
<i>For Class 52 Rating, Deduct</i>	-1,230.46	
<i>For Class 54 Rating, Add</i>	1,701.74	
<i>For Class 55 Rating, Add</i>	2,542.15	
<i>For Class 56 Rating, Add</i>	3,371.37	
40 05 19 00-0352 EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,438.73	1,315.53
<i>For Class 52 Rating, Deduct</i>	-1,259.01	
<i>For Class 54 Rating, Add</i>	1,740.75	
<i>For Class 55 Rating, Add</i>	2,600.19	
<i>For Class 56 Rating, Add</i>	3,448.18	
40 05 19 00-0353 EA 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,705.39	1,320.26
<i>For Class 52 Rating, Deduct</i>	-1,287.55	
<i>For Class 54 Rating, Add</i>	1,779.75	
<i>For Class 55 Rating, Add</i>	2,658.22	
<i>For Class 56 Rating, Add</i>	3,524.99	
40 05 19 00-0354 EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,972.04	1,324.99
<i>For Class 52 Rating, Deduct</i>	-1,316.09	
<i>For Class 54 Rating, Add</i>	1,818.76	
<i>For Class 55 Rating, Add</i>	2,716.26	
<i>For Class 56 Rating, Add</i>	3,601.79	
40 05 19 00-0355 EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,238.69	1,329.73
<i>For Class 52 Rating, Deduct</i>	-1,344.64	
<i>For Class 54 Rating, Add</i>	1,857.77	
<i>For Class 55 Rating, Add</i>	2,774.30	
<i>For Class 56 Rating, Add</i>	3,678.60	
40 05 19 00-0356 EA 20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,505.34	1,334.46
<i>For Class 52 Rating, Deduct</i>	-1,373.18	
<i>For Class 54 Rating, Add</i>	1,896.78	
<i>For Class 55 Rating, Add</i>	2,832.33	
<i>For Class 56 Rating, Add</i>	3,755.40	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0357	EA		20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,772.00	1,339.19
			<i>For Class 52 Rating, Deduct</i>	-1,401.72	
			<i>For Class 54 Rating, Add</i>	1,935.79	
			<i>For Class 55 Rating, Add</i>	2,890.37	
			<i>For Class 56 Rating, Add</i>	3,832.21	
40 05 19 00-0358	EA		20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,038.66	1,343.92
			<i>For Class 52 Rating, Deduct</i>	-1,430.27	
			<i>For Class 54 Rating, Add</i>	1,974.80	
			<i>For Class 55 Rating, Add</i>	2,948.41	
			<i>For Class 56 Rating, Add</i>	3,909.02	
40 05 19 00-0359			24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0360	EA		24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,339.36	1,381.78
			<i>For Class 52 Rating, Deduct</i>	-467.03	
			<i>For Class 54 Rating, Add</i>	661.99	
			<i>For Class 55 Rating, Add</i>	997.05	
			<i>For Class 56 Rating, Add</i>	1,327.87	
40 05 19 00-0361	EA		24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,668.07	1,386.51
			<i>For Class 52 Rating, Deduct</i>	-502.40	
			<i>For Class 54 Rating, Add</i>	710.30	
			<i>For Class 55 Rating, Add</i>	1,068.93	
			<i>For Class 56 Rating, Add</i>	1,422.98	
40 05 19 00-0362	EA		24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,996.77	1,391.24
			<i>For Class 52 Rating, Deduct</i>	-537.77	
			<i>For Class 54 Rating, Add</i>	758.62	
			<i>For Class 55 Rating, Add</i>	1,140.80	
			<i>For Class 56 Rating, Add</i>	1,518.09	
40 05 19 00-0363	EA		24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,325.48	1,395.98
			<i>For Class 52 Rating, Deduct</i>	-573.14	
			<i>For Class 54 Rating, Add</i>	806.94	
			<i>For Class 55 Rating, Add</i>	1,212.68	
			<i>For Class 56 Rating, Add</i>	1,613.20	
40 05 19 00-0364	EA		24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,654.18	1,400.71
			<i>For Class 52 Rating, Deduct</i>	-608.51	
			<i>For Class 54 Rating, Add</i>	855.25	
			<i>For Class 55 Rating, Add</i>	1,284.55	
			<i>For Class 56 Rating, Add</i>	1,708.31	
40 05 19 00-0365	EA		24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,982.89	1,405.44
			<i>For Class 52 Rating, Deduct</i>	-643.88	
			<i>For Class 54 Rating, Add</i>	903.57	
			<i>For Class 55 Rating, Add</i>	1,356.42	
			<i>For Class 56 Rating, Add</i>	1,803.43	
40 05 19 00-0366	EA		24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,311.59	1,410.17
			<i>For Class 52 Rating, Deduct</i>	-679.25	
			<i>For Class 54 Rating, Add</i>	951.88	
			<i>For Class 55 Rating, Add</i>	1,428.30	
			<i>For Class 56 Rating, Add</i>	1,898.53	
40 05 19 00-0367	EA		24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,640.30	1,414.90
			<i>For Class 52 Rating, Deduct</i>	-714.62	
			<i>For Class 54 Rating, Add</i>	1,000.20	
			<i>For Class 55 Rating, Add</i>	1,500.17	
			<i>For Class 56 Rating, Add</i>	1,993.65	
40 05 19 00-0368	EA		24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,968.99	1,419.64
			<i>For Class 52 Rating, Deduct</i>	-749.98	
			<i>For Class 54 Rating, Add</i>	1,048.52	
			<i>For Class 55 Rating, Add</i>	1,572.05	
			<i>For Class 56 Rating, Add</i>	2,088.76	
40 05 19 00-0369	EA		24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,297.71	1,424.37
			<i>For Class 52 Rating, Deduct</i>	-785.35	
			<i>For Class 54 Rating, Add</i>	1,096.83	
			<i>For Class 55 Rating, Add</i>	1,643.92	
			<i>For Class 56 Rating, Add</i>	2,183.87	
40 05 19 00-0370	EA		24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,626.41	1,429.10
			<i>For Class 52 Rating, Deduct</i>	-820.72	
			<i>For Class 54 Rating, Add</i>	1,145.15	
			<i>For Class 55 Rating, Add</i>	1,715.79	
			<i>For Class 56 Rating, Add</i>	2,278.98	
40 05 19 00-0371	EA		24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,955.11	1,433.83
			<i>For Class 52 Rating, Deduct</i>	-856.09	
			<i>For Class 54 Rating, Add</i>	1,193.47	
			<i>For Class 55 Rating, Add</i>	1,787.67	
			<i>For Class 56 Rating, Add</i>	2,374.09	
40 05 19 00-0372	EA		24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,283.82	1,438.57
			<i>For Class 52 Rating, Deduct</i>	-891.46	
			<i>For Class 54 Rating, Add</i>	1,241.78	
			<i>For Class 55 Rating, Add</i>	1,859.54	
			<i>For Class 56 Rating, Add</i>	2,469.20	
40 05 19 00-0373	EA		24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,612.51	1,443.30
			<i>For Class 52 Rating, Deduct</i>	-926.83	
			<i>For Class 54 Rating, Add</i>	1,290.10	
			<i>For Class 55 Rating, Add</i>	1,931.42	
			<i>For Class 56 Rating, Add</i>	2,564.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0374 EA 24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,941.23	1,448.03
<i>For Class 52 Rating, Deduct</i>	-962.20	
<i>For Class 54 Rating, Add</i>	1,338.42	
<i>For Class 55 Rating, Add</i>	2,003.29	
<i>For Class 56 Rating, Add</i>	2,659.42	
40 05 19 00-0375 EA 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,269.93	1,452.76
<i>For Class 52 Rating, Deduct</i>	-997.57	
<i>For Class 54 Rating, Add</i>	1,386.73	
<i>For Class 55 Rating, Add</i>	2,075.17	
<i>For Class 56 Rating, Add</i>	2,754.53	
40 05 19 00-0376 EA 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,598.64	1,457.49
<i>For Class 52 Rating, Deduct</i>	-1,032.94	
<i>For Class 54 Rating, Add</i>	1,435.05	
<i>For Class 55 Rating, Add</i>	2,147.04	
<i>For Class 56 Rating, Add</i>	2,849.64	
40 05 19 00-0377 EA 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,927.34	1,462.23
<i>For Class 52 Rating, Deduct</i>	-1,068.30	
<i>For Class 54 Rating, Add</i>	1,483.36	
<i>For Class 55 Rating, Add</i>	2,218.91	
<i>For Class 56 Rating, Add</i>	2,944.75	
40 05 19 00-0378 EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,256.04	1,466.96
<i>For Class 52 Rating, Deduct</i>	-1,103.67	
<i>For Class 54 Rating, Add</i>	1,531.68	
<i>For Class 55 Rating, Add</i>	2,290.79	
<i>For Class 56 Rating, Add</i>	3,039.87	
40 05 19 00-0379 EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,584.75	1,471.69
<i>For Class 52 Rating, Deduct</i>	-1,139.04	
<i>For Class 54 Rating, Add</i>	1,580.00	
<i>For Class 55 Rating, Add</i>	2,362.66	
<i>For Class 56 Rating, Add</i>	3,134.98	
40 05 19 00-0380 EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,913.46	1,476.42
<i>For Class 52 Rating, Deduct</i>	-1,174.41	
<i>For Class 54 Rating, Add</i>	1,628.31	
<i>For Class 55 Rating, Add</i>	2,434.54	
<i>For Class 56 Rating, Add</i>	3,230.09	
40 05 19 00-0381 EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,242.16	1,481.15
<i>For Class 52 Rating, Deduct</i>	-1,209.78	
<i>For Class 54 Rating, Add</i>	1,676.63	
<i>For Class 55 Rating, Add</i>	2,506.41	
<i>For Class 56 Rating, Add</i>	3,325.20	
40 05 19 00-0382 EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,570.87	1,485.89
<i>For Class 52 Rating, Deduct</i>	-1,245.15	
<i>For Class 54 Rating, Add</i>	1,724.95	
<i>For Class 55 Rating, Add</i>	2,578.29	
<i>For Class 56 Rating, Add</i>	3,420.31	
40 05 19 00-0383 EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,899.56	1,490.62
<i>For Class 52 Rating, Deduct</i>	-1,280.52	
<i>For Class 54 Rating, Add</i>	1,773.26	
<i>For Class 55 Rating, Add</i>	2,650.16	
<i>For Class 56 Rating, Add</i>	3,515.42	
40 05 19 00-0384 EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,228.27	1,495.35
<i>For Class 52 Rating, Deduct</i>	-1,315.89	
<i>For Class 54 Rating, Add</i>	1,821.58	
<i>For Class 55 Rating, Add</i>	2,722.04	
<i>For Class 56 Rating, Add</i>	3,610.53	
40 05 19 00-0385 EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,556.98	1,500.08
<i>For Class 52 Rating, Deduct</i>	-1,351.25	
<i>For Class 54 Rating, Add</i>	1,869.89	
<i>For Class 55 Rating, Add</i>	2,793.91	
<i>For Class 56 Rating, Add</i>	3,705.64	
40 05 19 00-0386 EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,885.69	1,504.81
<i>For Class 52 Rating, Deduct</i>	-1,386.62	
<i>For Class 54 Rating, Add</i>	1,918.21	
<i>For Class 55 Rating, Add</i>	2,865.78	
<i>For Class 56 Rating, Add</i>	3,800.75	
40 05 19 00-0387 EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,214.39	1,509.55
<i>For Class 52 Rating, Deduct</i>	-1,421.99	
<i>For Class 54 Rating, Add</i>	1,966.53	
<i>For Class 55 Rating, Add</i>	2,937.66	
<i>For Class 56 Rating, Add</i>	3,895.86	
40 05 19 00-0388 EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,543.08	1,514.28
<i>For Class 52 Rating, Deduct</i>	-1,457.36	
<i>For Class 54 Rating, Add</i>	2,014.84	
<i>For Class 55 Rating, Add</i>	3,009.53	
<i>For Class 56 Rating, Add</i>	3,990.97	
40 05 19 00-0389 EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,993.68	1,599.46
<i>For Class 52 Rating, Deduct</i>	-1,492.73	
<i>For Class 54 Rating, Add</i>	2,064.62	
<i>For Class 55 Rating, Add</i>	3,084.33	
<i>For Class 56 Rating, Add</i>	4,090.47	
40 05 19 00-0390 EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,322.39	1,604.19
<i>For Class 52 Rating, Deduct</i>	-1,528.10	
<i>For Class 54 Rating, Add</i>	2,112.94	
<i>For Class 55 Rating, Add</i>	3,156.21	
<i>For Class 56 Rating, Add</i>	4,185.58	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0391	EA	24"	Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,651.09	1,608.92
			<i>For Class 52 Rating, Deduct</i>	-1,563.47	
			<i>For Class 54 Rating, Add</i>	2,161.25	
			<i>For Class 55 Rating, Add</i>	3,228.08	
			<i>For Class 56 Rating, Add</i>	4,280.69	
40 05 19 00-0392	EA	24"	Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,979.79	1,613.65
			<i>For Class 52 Rating, Deduct</i>	-1,598.84	
			<i>For Class 54 Rating, Add</i>	2,209.57	
			<i>For Class 55 Rating, Add</i>	3,299.95	
			<i>For Class 56 Rating, Add</i>	4,375.80	
40 05 19 00-0393	EA	24"	Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,308.50	1,618.38
			<i>For Class 52 Rating, Deduct</i>	-1,634.21	
			<i>For Class 54 Rating, Add</i>	2,257.89	
			<i>For Class 55 Rating, Add</i>	3,371.83	
			<i>For Class 56 Rating, Add</i>	4,470.92	
40 05 19 00-0394	EA	24"	Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,637.20	1,623.12
			<i>For Class 52 Rating, Deduct</i>	-1,669.57	
			<i>For Class 54 Rating, Add</i>	2,306.20	
			<i>For Class 55 Rating, Add</i>	3,443.70	
			<i>For Class 56 Rating, Add</i>	4,566.03	
40 05 19 00-0395	EA	24"	Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,965.92	1,627.85
			<i>For Class 52 Rating, Deduct</i>	-1,704.94	
			<i>For Class 54 Rating, Add</i>	2,354.52	
			<i>For Class 55 Rating, Add</i>	3,515.58	
			<i>For Class 56 Rating, Add</i>	4,661.14	
40 05 19 00-0396	EA	24"	Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,294.61	1,632.58
			<i>For Class 52 Rating, Deduct</i>	-1,740.31	
			<i>For Class 54 Rating, Add</i>	2,402.83	
			<i>For Class 55 Rating, Add</i>	3,587.45	
			<i>For Class 56 Rating, Add</i>	4,756.25	
40 05 19 00-0397	EA	24"	Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,623.32	1,637.31
			<i>For Class 52 Rating, Deduct</i>	-1,775.68	
			<i>For Class 54 Rating, Add</i>	2,451.15	
			<i>For Class 55 Rating, Add</i>	3,659.33	
			<i>For Class 56 Rating, Add</i>	4,851.36	
40 05 19 00-0398			30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0399	EA	30"	Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,704.33	1,949.63
			<i>For Class 52 Rating, Deduct</i>	-742.54	
			<i>For Class 54 Rating, Add</i>	1,048.00	
			<i>For Class 55 Rating, Add</i>	1,576.22	
			<i>For Class 56 Rating, Add</i>	2,097.70	
40 05 19 00-0400	EA	30"	Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,175.94	1,954.36
			<i>For Class 52 Rating, Deduct</i>	-793.63	
			<i>For Class 54 Rating, Add</i>	1,117.75	
			<i>For Class 55 Rating, Add</i>	1,679.97	
			<i>For Class 56 Rating, Add</i>	2,234.96	
40 05 19 00-0401	EA	30"	Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,647.56	1,959.09
			<i>For Class 52 Rating, Deduct</i>	-844.72	
			<i>For Class 54 Rating, Add</i>	1,187.50	
			<i>For Class 55 Rating, Add</i>	1,783.71	
			<i>For Class 56 Rating, Add</i>	2,372.23	
40 05 19 00-0402	EA	30"	Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,119.17	1,963.83
			<i>For Class 52 Rating, Deduct</i>	-895.80	
			<i>For Class 54 Rating, Add</i>	1,257.26	
			<i>For Class 55 Rating, Add</i>	1,887.45	
			<i>For Class 56 Rating, Add</i>	2,509.50	
40 05 19 00-0403	EA	30"	Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,590.76	1,968.56
			<i>For Class 52 Rating, Deduct</i>	-946.89	
			<i>For Class 54 Rating, Add</i>	1,327.01	
			<i>For Class 55 Rating, Add</i>	1,991.19	
			<i>For Class 56 Rating, Add</i>	2,646.77	
40 05 19 00-0404	EA	30"	Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,062.37	1,973.29
			<i>For Class 52 Rating, Deduct</i>	-997.98	
			<i>For Class 54 Rating, Add</i>	1,396.76	
			<i>For Class 55 Rating, Add</i>	2,094.93	
			<i>For Class 56 Rating, Add</i>	2,784.03	
40 05 19 00-0405	EA	30"	Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,533.98	1,978.02
			<i>For Class 52 Rating, Deduct</i>	-1,049.07	
			<i>For Class 54 Rating, Add</i>	1,466.51	
			<i>For Class 55 Rating, Add</i>	2,198.67	
			<i>For Class 56 Rating, Add</i>	2,921.30	
40 05 19 00-0406	EA	30"	Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,005.59	1,982.76
			<i>For Class 52 Rating, Deduct</i>	-1,100.16	
			<i>For Class 54 Rating, Add</i>	1,536.26	
			<i>For Class 55 Rating, Add</i>	2,302.42	
			<i>For Class 56 Rating, Add</i>	3,058.57	
40 05 19 00-0407	EA	30"	Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,477.21	1,987.49
			<i>For Class 52 Rating, Deduct</i>	-1,151.24	
			<i>For Class 54 Rating, Add</i>	1,606.02	
			<i>For Class 55 Rating, Add</i>	2,406.16	
			<i>For Class 56 Rating, Add</i>	3,195.84	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0408 EA 30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,948.81	1,992.22
<i>For Class 52 Rating, Deduct</i>	-1,202.33	
<i>For Class 54 Rating, Add</i>	1,675.77	
<i>For Class 55 Rating, Add</i>	2,509.90	
<i>For Class 56 Rating, Add</i>	3,333.10	
40 05 19 00-0409 EA 30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,420.42	1,996.95
<i>For Class 52 Rating, Deduct</i>	-1,253.42	
<i>For Class 54 Rating, Add</i>	1,745.52	
<i>For Class 55 Rating, Add</i>	2,613.64	
<i>For Class 56 Rating, Add</i>	3,470.37	
40 05 19 00-0410 EA 30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,892.03	2,001.68
<i>For Class 52 Rating, Deduct</i>	-1,304.51	
<i>For Class 54 Rating, Add</i>	1,815.27	
<i>For Class 55 Rating, Add</i>	2,717.39	
<i>For Class 56 Rating, Add</i>	3,607.64	
40 05 19 00-0411 EA 30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,363.64	2,006.42
<i>For Class 52 Rating, Deduct</i>	-1,355.60	
<i>For Class 54 Rating, Add</i>	1,885.02	
<i>For Class 55 Rating, Add</i>	2,821.13	
<i>For Class 56 Rating, Add</i>	3,744.91	
40 05 19 00-0412 EA 30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,835.26	2,011.15
<i>For Class 52 Rating, Deduct</i>	-1,406.69	
<i>For Class 54 Rating, Add</i>	1,954.78	
<i>For Class 55 Rating, Add</i>	2,924.87	
<i>For Class 56 Rating, Add</i>	3,882.18	
40 05 19 00-0413 EA 30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,306.86	2,015.88
<i>For Class 52 Rating, Deduct</i>	-1,457.78	
<i>For Class 54 Rating, Add</i>	2,024.53	
<i>For Class 55 Rating, Add</i>	3,028.61	
<i>For Class 56 Rating, Add</i>	4,019.44	
40 05 19 00-0414 EA 30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,778.46	2,020.61
<i>For Class 52 Rating, Deduct</i>	-1,508.86	
<i>For Class 54 Rating, Add</i>	2,094.28	
<i>For Class 55 Rating, Add</i>	3,132.35	
<i>For Class 56 Rating, Add</i>	4,156.71	
40 05 19 00-0415 EA 30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,250.07	2,025.34
<i>For Class 52 Rating, Deduct</i>	-1,559.95	
<i>For Class 54 Rating, Add</i>	2,164.03	
<i>For Class 55 Rating, Add</i>	3,236.09	
<i>For Class 56 Rating, Add</i>	4,293.98	
40 05 19 00-0416 EA 30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,721.68	2,030.08
<i>For Class 52 Rating, Deduct</i>	-1,611.04	
<i>For Class 54 Rating, Add</i>	2,233.78	
<i>For Class 55 Rating, Add</i>	3,339.84	
<i>For Class 56 Rating, Add</i>	4,431.25	
40 05 19 00-0417 EA 30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,193.30	2,034.81
<i>For Class 52 Rating, Deduct</i>	-1,662.13	
<i>For Class 54 Rating, Add</i>	2,303.53	
<i>For Class 55 Rating, Add</i>	3,443.58	
<i>For Class 56 Rating, Add</i>	4,568.51	
40 05 19 00-0418 EA 30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,664.90	2,039.54
<i>For Class 52 Rating, Deduct</i>	-1,713.22	
<i>For Class 54 Rating, Add</i>	2,373.29	
<i>For Class 55 Rating, Add</i>	3,547.32	
<i>For Class 56 Rating, Add</i>	4,705.78	
40 05 19 00-0419 EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,136.51	2,044.27
<i>For Class 52 Rating, Deduct</i>	-1,764.30	
<i>For Class 54 Rating, Add</i>	2,443.04	
<i>For Class 55 Rating, Add</i>	3,651.06	
<i>For Class 56 Rating, Add</i>	4,843.05	
40 05 19 00-0420 EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,608.12	2,049.00
<i>For Class 52 Rating, Deduct</i>	-1,815.39	
<i>For Class 54 Rating, Add</i>	2,512.79	
<i>For Class 55 Rating, Add</i>	3,754.81	
<i>For Class 56 Rating, Add</i>	4,980.32	
40 05 19 00-0421 EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,079.73	2,053.74
<i>For Class 52 Rating, Deduct</i>	-1,866.48	
<i>For Class 54 Rating, Add</i>	2,582.54	
<i>For Class 55 Rating, Add</i>	3,858.55	
<i>For Class 56 Rating, Add</i>	5,117.58	
40 05 19 00-0422 EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,551.34	2,058.47
<i>For Class 52 Rating, Deduct</i>	-1,917.57	
<i>For Class 54 Rating, Add</i>	2,652.29	
<i>For Class 55 Rating, Add</i>	3,962.29	
<i>For Class 56 Rating, Add</i>	5,254.85	
40 05 19 00-0423 EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,021.07	2,063.20
<i>For Class 52 Rating, Deduct</i>	-1,968.45	
<i>For Class 54 Rating, Add</i>	2,721.76	
<i>For Class 55 Rating, Add</i>	4,065.61	
<i>For Class 56 Rating, Add</i>	5,391.57	
40 05 19 00-0424 EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,494.55	2,067.93
<i>For Class 52 Rating, Deduct</i>	-2,019.75	
<i>For Class 54 Rating, Add</i>	2,791.80	
<i>For Class 55 Rating, Add</i>	4,169.77	
<i>For Class 56 Rating, Add</i>	5,529.39	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,966.16	2,072.67
		<i>For Class 52 Rating, Deduct</i>	-2,070.83	
		<i>For Class 54 Rating, Add</i>	2,861.55	
		<i>For Class 55 Rating, Add</i>	4,273.51	
		<i>For Class 56 Rating, Add</i>	5,666.65	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,437.77	2,077.40
		<i>For Class 52 Rating, Deduct</i>	-2,121.92	
		<i>For Class 54 Rating, Add</i>	2,931.30	
		<i>For Class 55 Rating, Add</i>	4,377.26	
		<i>For Class 56 Rating, Add</i>	5,803.92	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,909.38	2,082.13
		<i>For Class 52 Rating, Deduct</i>	-2,173.01	
		<i>For Class 54 Rating, Add</i>	3,001.05	
		<i>For Class 55 Rating, Add</i>	4,481.00	
		<i>For Class 56 Rating, Add</i>	5,941.19	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,380.99	2,086.86
		<i>For Class 52 Rating, Deduct</i>	-2,224.10	
		<i>For Class 54 Rating, Add</i>	3,070.80	
		<i>For Class 55 Rating, Add</i>	4,584.74	
		<i>For Class 56 Rating, Add</i>	6,078.46	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,852.60	2,091.59
		<i>For Class 52 Rating, Deduct</i>	-2,275.19	
		<i>For Class 54 Rating, Add</i>	3,140.56	
		<i>For Class 55 Rating, Add</i>	4,688.48	
		<i>For Class 56 Rating, Add</i>	6,215.73	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,324.21	2,096.33
		<i>For Class 52 Rating, Deduct</i>	-2,326.28	
		<i>For Class 54 Rating, Add</i>	3,210.31	
		<i>For Class 55 Rating, Add</i>	4,792.23	
		<i>For Class 56 Rating, Add</i>	6,352.99	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,795.82	2,101.06
		<i>For Class 52 Rating, Deduct</i>	-2,377.36	
		<i>For Class 54 Rating, Add</i>	3,280.06	
		<i>For Class 55 Rating, Add</i>	4,895.97	
		<i>For Class 56 Rating, Add</i>	6,490.26	
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,267.43	2,105.79
		<i>For Class 52 Rating, Deduct</i>	-2,428.45	
		<i>For Class 54 Rating, Add</i>	3,349.81	
		<i>For Class 55 Rating, Add</i>	4,999.71	
		<i>For Class 56 Rating, Add</i>	6,627.53	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,739.03	2,110.52
		<i>For Class 52 Rating, Deduct</i>	-2,479.54	
		<i>For Class 54 Rating, Add</i>	3,419.57	
		<i>For Class 55 Rating, Add</i>	5,103.45	
		<i>For Class 56 Rating, Add</i>	6,764.80	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,210.65	2,115.25
		<i>For Class 52 Rating, Deduct</i>	-2,530.63	
		<i>For Class 54 Rating, Add</i>	3,489.32	
		<i>For Class 55 Rating, Add</i>	5,207.19	
		<i>For Class 56 Rating, Add</i>	6,902.06	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,682.25	2,119.99
		<i>For Class 52 Rating, Deduct</i>	-2,581.72	
		<i>For Class 54 Rating, Add</i>	3,559.07	
		<i>For Class 55 Rating, Add</i>	5,310.93	
		<i>For Class 56 Rating, Add</i>	7,039.33	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,153.86	2,124.72
		<i>For Class 52 Rating, Deduct</i>	-2,632.80	
		<i>For Class 54 Rating, Add</i>	3,628.82	
		<i>For Class 55 Rating, Add</i>	5,414.68	
		<i>For Class 56 Rating, Add</i>	7,176.60	
40 05 19 00-0437		36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,401.87	2,470.16
		<i>For Class 52 Rating, Deduct</i>	-1,062.51	
		<i>For Class 54 Rating, Add</i>	1,493.79	
		<i>For Class 55 Rating, Add</i>	2,243.83	
		<i>For Class 56 Rating, Add</i>	2,984.20	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,040.83	2,474.89
		<i>For Class 52 Rating, Deduct</i>	-1,132.01	
		<i>For Class 54 Rating, Add</i>	1,588.65	
		<i>For Class 55 Rating, Add</i>	2,384.89	
		<i>For Class 56 Rating, Add</i>	3,170.84	
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,679.79	2,479.62
		<i>For Class 52 Rating, Deduct</i>	-1,201.51	
		<i>For Class 54 Rating, Add</i>	1,683.50	
		<i>For Class 55 Rating, Add</i>	2,525.95	
		<i>For Class 56 Rating, Add</i>	3,357.47	
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,318.75	2,484.36
		<i>For Class 52 Rating, Deduct</i>	-1,271.00	
		<i>For Class 54 Rating, Add</i>	1,778.36	
		<i>For Class 55 Rating, Add</i>	2,667.01	
		<i>For Class 56 Rating, Add</i>	3,544.11	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0442 EA 36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,957.70	2,489.09
<i>For Class 52 Rating, Deduct</i>	-1,340.50	
<i>For Class 54 Rating, Add</i>	1,873.21	
<i>For Class 55 Rating, Add</i>	2,808.07	
<i>For Class 56 Rating, Add</i>	3,730.74	
40 05 19 00-0443 EA 36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,596.65	2,493.82
<i>For Class 52 Rating, Deduct</i>	-1,410.00	
<i>For Class 54 Rating, Add</i>	1,968.06	
<i>For Class 55 Rating, Add</i>	2,949.13	
<i>For Class 56 Rating, Add</i>	3,917.38	
40 05 19 00-0444 EA 36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,235.62	2,498.55
<i>For Class 52 Rating, Deduct</i>	-1,479.49	
<i>For Class 54 Rating, Add</i>	2,062.92	
<i>For Class 55 Rating, Add</i>	3,090.19	
<i>For Class 56 Rating, Add</i>	4,104.01	
40 05 19 00-0445 EA 36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,874.58	2,503.29
<i>For Class 52 Rating, Deduct</i>	-1,548.99	
<i>For Class 54 Rating, Add</i>	2,157.77	
<i>For Class 55 Rating, Add</i>	3,231.25	
<i>For Class 56 Rating, Add</i>	4,290.65	
40 05 19 00-0446 EA 36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,513.53	2,508.02
<i>For Class 52 Rating, Deduct</i>	-1,618.49	
<i>For Class 54 Rating, Add</i>	2,252.63	
<i>For Class 55 Rating, Add</i>	3,372.31	
<i>For Class 56 Rating, Add</i>	4,477.28	
40 05 19 00-0447 EA 36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,152.49	2,512.75
<i>For Class 52 Rating, Deduct</i>	-1,687.98	
<i>For Class 54 Rating, Add</i>	2,347.48	
<i>For Class 55 Rating, Add</i>	3,513.37	
<i>For Class 56 Rating, Add</i>	4,663.92	
40 05 19 00-0448 EA 36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,791.44	2,517.48
<i>For Class 52 Rating, Deduct</i>	-1,757.48	
<i>For Class 54 Rating, Add</i>	2,442.33	
<i>For Class 55 Rating, Add</i>	3,654.43	
<i>For Class 56 Rating, Add</i>	4,850.56	
40 05 19 00-0449 EA 36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,430.41	2,522.21
<i>For Class 52 Rating, Deduct</i>	-1,826.98	
<i>For Class 54 Rating, Add</i>	2,537.19	
<i>For Class 55 Rating, Add</i>	3,795.49	
<i>For Class 56 Rating, Add</i>	5,037.19	
40 05 19 00-0450 EA 36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,069.36	2,526.95
<i>For Class 52 Rating, Deduct</i>	-1,896.47	
<i>For Class 54 Rating, Add</i>	2,632.04	
<i>For Class 55 Rating, Add</i>	3,936.55	
<i>For Class 56 Rating, Add</i>	5,223.83	
40 05 19 00-0451 EA 36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,708.32	2,531.68
<i>For Class 52 Rating, Deduct</i>	-1,965.97	
<i>For Class 54 Rating, Add</i>	2,726.90	
<i>For Class 55 Rating, Add</i>	4,077.62	
<i>For Class 56 Rating, Add</i>	5,410.46	
40 05 19 00-0452 EA 36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,347.28	2,536.41
<i>For Class 52 Rating, Deduct</i>	-2,035.47	
<i>For Class 54 Rating, Add</i>	2,821.75	
<i>For Class 55 Rating, Add</i>	4,218.68	
<i>For Class 56 Rating, Add</i>	5,597.10	
40 05 19 00-0453 EA 36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,986.23	2,541.14
<i>For Class 52 Rating, Deduct</i>	-2,104.96	
<i>For Class 54 Rating, Add</i>	2,916.61	
<i>For Class 55 Rating, Add</i>	4,359.74	
<i>For Class 56 Rating, Add</i>	5,783.73	
40 05 19 00-0454 EA 36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,625.18	2,545.87
<i>For Class 52 Rating, Deduct</i>	-2,174.46	
<i>For Class 54 Rating, Add</i>	3,011.46	
<i>For Class 55 Rating, Add</i>	4,500.80	
<i>For Class 56 Rating, Add</i>	5,970.37	
40 05 19 00-0455 EA 36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,264.15	2,550.61
<i>For Class 52 Rating, Deduct</i>	-2,243.95	
<i>For Class 54 Rating, Add</i>	3,106.31	
<i>For Class 55 Rating, Add</i>	4,641.86	
<i>For Class 56 Rating, Add</i>	6,157.00	
40 05 19 00-0456 EA 36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,903.11	2,555.34
<i>For Class 52 Rating, Deduct</i>	-2,313.45	
<i>For Class 54 Rating, Add</i>	3,201.17	
<i>For Class 55 Rating, Add</i>	4,782.92	
<i>For Class 56 Rating, Add</i>	6,343.64	
40 05 19 00-0457 EA 36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,542.07	2,560.07
<i>For Class 52 Rating, Deduct</i>	-2,382.95	
<i>For Class 54 Rating, Add</i>	3,296.02	
<i>For Class 55 Rating, Add</i>	4,923.98	
<i>For Class 56 Rating, Add</i>	6,530.28	
40 05 19 00-0458 EA 36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,181.01	2,564.80
<i>For Class 52 Rating, Deduct</i>	-2,452.44	
<i>For Class 54 Rating, Add</i>	3,390.88	
<i>For Class 55 Rating, Add</i>	5,065.04	
<i>For Class 56 Rating, Add</i>	6,716.91	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0459	EA		36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,819.97	2,569.53
			<i>For Class 52 Rating, Deduct</i>	-2,521.94	
			<i>For Class 54 Rating, Add</i>	3,485.73	
			<i>For Class 55 Rating, Add</i>	5,206.10	
			<i>For Class 56 Rating, Add</i>	6,903.54	
40 05 19 00-0460	EA		36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,458.94	2,574.27
			<i>For Class 52 Rating, Deduct</i>	-2,591.44	
			<i>For Class 54 Rating, Add</i>	3,580.58	
			<i>For Class 55 Rating, Add</i>	5,347.16	
			<i>For Class 56 Rating, Add</i>	7,090.18	
40 05 19 00-0461	EA		36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,097.90	2,579.00
			<i>For Class 52 Rating, Deduct</i>	-2,660.94	
			<i>For Class 54 Rating, Add</i>	3,675.44	
			<i>For Class 55 Rating, Add</i>	5,488.22	
			<i>For Class 56 Rating, Add</i>	7,276.82	
40 05 19 00-0462	EA		36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,736.85	2,583.73
			<i>For Class 52 Rating, Deduct</i>	-2,730.43	
			<i>For Class 54 Rating, Add</i>	3,770.29	
			<i>For Class 55 Rating, Add</i>	5,629.28	
			<i>For Class 56 Rating, Add</i>	7,463.45	
40 05 19 00-0463	EA		36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,375.80	2,588.46
			<i>For Class 52 Rating, Deduct</i>	-2,799.93	
			<i>For Class 54 Rating, Add</i>	3,865.15	
			<i>For Class 55 Rating, Add</i>	5,770.34	
			<i>For Class 56 Rating, Add</i>	7,650.09	
40 05 19 00-0464	EA		36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,014.76	2,593.19
			<i>For Class 52 Rating, Deduct</i>	-2,869.42	
			<i>For Class 54 Rating, Add</i>	3,960.00	
			<i>For Class 55 Rating, Add</i>	5,911.40	
			<i>For Class 56 Rating, Add</i>	7,836.72	
40 05 19 00-0465	EA		36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,653.73	2,597.93
			<i>For Class 52 Rating, Deduct</i>	-2,938.92	
			<i>For Class 54 Rating, Add</i>	4,054.86	
			<i>For Class 55 Rating, Add</i>	6,052.47	
			<i>For Class 56 Rating, Add</i>	8,023.36	
40 05 19 00-0466	EA		36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,292.68	2,602.66
			<i>For Class 52 Rating, Deduct</i>	-3,008.42	
			<i>For Class 54 Rating, Add</i>	4,149.71	
			<i>For Class 55 Rating, Add</i>	6,193.53	
			<i>For Class 56 Rating, Add</i>	8,209.99	
40 05 19 00-0467	EA		36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,931.64	2,607.39
			<i>For Class 52 Rating, Deduct</i>	-3,077.91	
			<i>For Class 54 Rating, Add</i>	4,244.56	
			<i>For Class 55 Rating, Add</i>	6,334.59	
			<i>For Class 56 Rating, Add</i>	8,396.63	
40 05 19 00-0468	EA		36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,570.59	2,612.12
			<i>For Class 52 Rating, Deduct</i>	-3,147.41	
			<i>For Class 54 Rating, Add</i>	4,339.42	
			<i>For Class 55 Rating, Add</i>	6,475.65	
			<i>For Class 56 Rating, Add</i>	8,583.26	
40 05 19 00-0469	EA		36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,209.55	2,616.86
			<i>For Class 52 Rating, Deduct</i>	-3,216.91	
			<i>For Class 54 Rating, Add</i>	4,434.27	
			<i>For Class 55 Rating, Add</i>	6,616.71	
			<i>For Class 56 Rating, Add</i>	8,769.90	
40 05 19 00-0470	EA		36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,848.50	2,621.59
			<i>For Class 52 Rating, Deduct</i>	-3,286.40	
			<i>For Class 54 Rating, Add</i>	4,529.13	
			<i>For Class 55 Rating, Add</i>	6,757.77	
			<i>For Class 56 Rating, Add</i>	8,956.53	
40 05 19 00-0471	EA		36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,487.47	2,626.32
			<i>For Class 52 Rating, Deduct</i>	-3,355.90	
			<i>For Class 54 Rating, Add</i>	4,623.98	
			<i>For Class 55 Rating, Add</i>	6,898.83	
			<i>For Class 56 Rating, Add</i>	9,143.17	
40 05 19 00-0472	EA		36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,126.43	2,631.05
			<i>For Class 52 Rating, Deduct</i>	-3,425.40	
			<i>For Class 54 Rating, Add</i>	4,718.83	
			<i>For Class 55 Rating, Add</i>	7,039.89	
			<i>For Class 56 Rating, Add</i>	9,329.81	
40 05 19 00-0473	EA		36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,765.38	2,635.78
			<i>For Class 52 Rating, Deduct</i>	-3,494.89	
			<i>For Class 54 Rating, Add</i>	4,813.69	
			<i>For Class 55 Rating, Add</i>	7,180.95	
			<i>For Class 56 Rating, Add</i>	9,516.44	
40 05 19 00-0474	EA		36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,404.33	2,640.52
			<i>For Class 52 Rating, Deduct</i>	-3,564.39	
			<i>For Class 54 Rating, Add</i>	4,908.54	
			<i>For Class 55 Rating, Add</i>	7,322.01	
			<i>For Class 56 Rating, Add</i>	9,703.08	
40 05 19 00-0475	EA		36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,043.29	2,645.25
			<i>For Class 52 Rating, Deduct</i>	-3,633.89	
			<i>For Class 54 Rating, Add</i>	5,003.40	
			<i>For Class 55 Rating, Add</i>	7,463.07	
			<i>For Class 56 Rating, Add</i>	9,889.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0477 EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,603.60	3,113.72
<i>For Class 52 Rating, Deduct</i>	-1,417.44	
<i>For Class 54 Rating, Add</i>	1,989.49	
<i>For Class 55 Rating, Add</i>	2,986.77	
<i>For Class 56 Rating, Add</i>	3,971.16	
40 05 19 00-0478 EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,554.69	3,118.46
<i>For Class 52 Rating, Deduct</i>	-1,521.27	
<i>For Class 54 Rating, Add</i>	2,131.16	
<i>For Class 55 Rating, Add</i>	3,197.43	
<i>For Class 56 Rating, Add</i>	4,249.87	
40 05 19 00-0479 EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,494.50	3,123.19
<i>For Class 52 Rating, Deduct</i>	-1,623.86	
<i>For Class 54 Rating, Add</i>	2,271.14	
<i>For Class 55 Rating, Add</i>	3,405.58	
<i>For Class 56 Rating, Add</i>	4,525.26	
40 05 19 00-0480 EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,443.71	3,127.92
<i>For Class 52 Rating, Deduct</i>	-1,727.49	
<i>For Class 54 Rating, Add</i>	2,412.54	
<i>For Class 55 Rating, Add</i>	3,615.83	
<i>For Class 56 Rating, Add</i>	4,803.42	
40 05 19 00-0481 EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,383.52	3,132.65
<i>For Class 52 Rating, Deduct</i>	-1,830.08	
<i>For Class 54 Rating, Add</i>	2,552.52	
<i>For Class 55 Rating, Add</i>	3,823.98	
<i>For Class 56 Rating, Add</i>	5,078.81	
40 05 19 00-0482 EA 42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,334.61	3,137.39
<i>For Class 52 Rating, Deduct</i>	-1,933.91	
<i>For Class 54 Rating, Add</i>	2,694.19	
<i>For Class 55 Rating, Add</i>	4,034.65	
<i>For Class 56 Rating, Add</i>	5,357.52	
40 05 19 00-0483 EA 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,272.54	3,142.12
<i>For Class 52 Rating, Deduct</i>	-2,036.29	
<i>For Class 54 Rating, Add</i>	2,833.89	
<i>For Class 55 Rating, Add</i>	4,242.38	
<i>For Class 56 Rating, Add</i>	5,632.35	
40 05 19 00-0484 EA 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,223.63	3,146.85
<i>For Class 52 Rating, Deduct</i>	-2,140.12	
<i>For Class 54 Rating, Add</i>	2,975.57	
<i>For Class 55 Rating, Add</i>	4,453.05	
<i>For Class 56 Rating, Add</i>	5,911.07	
40 05 19 00-0485 EA 42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,163.44	3,151.58
<i>For Class 52 Rating, Deduct</i>	-2,242.71	
<i>For Class 54 Rating, Add</i>	3,115.55	
<i>For Class 55 Rating, Add</i>	4,661.20	
<i>For Class 56 Rating, Add</i>	6,186.46	
40 05 19 00-0486 EA 42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,112.65	3,156.31
<i>For Class 52 Rating, Deduct</i>	-2,346.34	
<i>For Class 54 Rating, Add</i>	3,256.94	
<i>For Class 55 Rating, Add</i>	4,871.44	
<i>For Class 56 Rating, Add</i>	6,464.62	
40 05 19 00-0487 EA 42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,052.46	3,161.05
<i>For Class 52 Rating, Deduct</i>	-2,448.93	
<i>For Class 54 Rating, Add</i>	3,396.92	
<i>For Class 55 Rating, Add</i>	5,079.59	
<i>For Class 56 Rating, Add</i>	6,740.00	
40 05 19 00-0488 EA 42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,001.67	3,165.78
<i>For Class 52 Rating, Deduct</i>	-2,552.55	
<i>For Class 54 Rating, Add</i>	3,538.31	
<i>For Class 55 Rating, Add</i>	5,289.84	
<i>For Class 56 Rating, Add</i>	7,018.16	
40 05 19 00-0489 EA 42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,941.48	3,170.51
<i>For Class 52 Rating, Deduct</i>	-2,655.14	
<i>For Class 54 Rating, Add</i>	3,678.30	
<i>For Class 55 Rating, Add</i>	5,497.99	
<i>For Class 56 Rating, Add</i>	7,293.55	
40 05 19 00-0490 EA 42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,883.17	3,175.24
<i>For Class 52 Rating, Deduct</i>	-2,757.94	
<i>For Class 54 Rating, Add</i>	3,818.56	
<i>For Class 55 Rating, Add</i>	5,706.56	
<i>For Class 56 Rating, Add</i>	7,569.49	
40 05 19 00-0491 EA 42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,830.50	3,179.97
<i>For Class 52 Rating, Deduct</i>	-2,861.36	
<i>For Class 54 Rating, Add</i>	3,959.67	
<i>For Class 55 Rating, Add</i>	5,916.39	
<i>For Class 56 Rating, Add</i>	7,847.10	
40 05 19 00-0492 EA 42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,770.30	3,184.71
<i>For Class 52 Rating, Deduct</i>	-2,963.95	
<i>For Class 54 Rating, Add</i>	4,099.65	
<i>For Class 55 Rating, Add</i>	6,124.54	
<i>For Class 56 Rating, Add</i>	8,122.48	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0493	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,721.40	3,189.44
			<i>For Class 52 Rating, Deduct</i>	-3,067.78	
			<i>For Class 54 Rating, Add</i>	4,241.33	
			<i>For Class 55 Rating, Add</i>	6,335.21	
			<i>For Class 56 Rating, Add</i>	8,401.20	
40 05 19 00-0494	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,661.20	3,194.17
			<i>For Class 52 Rating, Deduct</i>	-3,170.37	
			<i>For Class 54 Rating, Add</i>	4,381.31	
			<i>For Class 55 Rating, Add</i>	6,543.36	
			<i>For Class 56 Rating, Add</i>	8,676.58	
40 05 19 00-0495	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,610.42	3,198.90
			<i>For Class 52 Rating, Deduct</i>	-3,273.99	
			<i>For Class 54 Rating, Add</i>	4,522.70	
			<i>For Class 55 Rating, Add</i>	6,753.60	
			<i>For Class 56 Rating, Add</i>	8,954.74	
40 05 19 00-0496	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,550.22	3,203.63
			<i>For Class 52 Rating, Deduct</i>	-3,376.58	
			<i>For Class 54 Rating, Add</i>	4,662.68	
			<i>For Class 55 Rating, Add</i>	6,961.75	
			<i>For Class 56 Rating, Add</i>	9,230.13	
40 05 19 00-0497	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,501.30	3,208.37
			<i>For Class 52 Rating, Deduct</i>	-3,480.42	
			<i>For Class 54 Rating, Add</i>	4,804.35	
			<i>For Class 55 Rating, Add</i>	7,172.42	
			<i>For Class 56 Rating, Add</i>	9,508.84	
40 05 19 00-0498	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,441.12	3,213.10
			<i>For Class 52 Rating, Deduct</i>	-3,583.01	
			<i>For Class 54 Rating, Add</i>	4,944.34	
			<i>For Class 55 Rating, Add</i>	7,380.57	
			<i>For Class 56 Rating, Add</i>	9,784.23	
40 05 19 00-0499	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,390.33	3,217.83
			<i>For Class 52 Rating, Deduct</i>	-3,686.63	
			<i>For Class 54 Rating, Add</i>	5,085.73	
			<i>For Class 55 Rating, Add</i>	7,590.82	
			<i>For Class 56 Rating, Add</i>	10,062.39	
40 05 19 00-0500	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,330.14	3,222.56
			<i>For Class 52 Rating, Deduct</i>	-3,789.22	
			<i>For Class 54 Rating, Add</i>	5,225.71	
			<i>For Class 55 Rating, Add</i>	7,798.97	
			<i>For Class 56 Rating, Add</i>	10,337.78	
40 05 19 00-0501	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,281.23	3,227.29
			<i>For Class 52 Rating, Deduct</i>	-3,893.05	
			<i>For Class 54 Rating, Add</i>	5,367.39	
			<i>For Class 55 Rating, Add</i>	8,009.63	
			<i>For Class 56 Rating, Add</i>	10,616.49	
40 05 19 00-0502	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,221.03	3,232.03
			<i>For Class 52 Rating, Deduct</i>	-3,995.64	
			<i>For Class 54 Rating, Add</i>	5,507.37	
			<i>For Class 55 Rating, Add</i>	8,217.78	
			<i>For Class 56 Rating, Add</i>	10,891.88	
40 05 19 00-0503	EA		42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,168.36	3,236.76
			<i>For Class 52 Rating, Deduct</i>	-4,099.06	
			<i>For Class 54 Rating, Add</i>	5,648.48	
			<i>For Class 55 Rating, Add</i>	8,427.61	
			<i>For Class 56 Rating, Add</i>	11,169.48	
40 05 19 00-0504	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,110.06	3,241.49
			<i>For Class 52 Rating, Deduct</i>	-4,201.86	
			<i>For Class 54 Rating, Add</i>	5,788.74	
			<i>For Class 55 Rating, Add</i>	8,636.18	
			<i>For Class 56 Rating, Add</i>	11,445.43	
40 05 19 00-0505	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,861.84	3,246.22
			<i>For Class 52 Rating, Deduct</i>	-4,283.76	
			<i>For Class 54 Rating, Add</i>	5,900.52	
			<i>For Class 55 Rating, Add</i>	8,802.40	
			<i>For Class 56 Rating, Add</i>	11,665.34	
40 05 19 00-0506	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,999.08	3,250.96
			<i>For Class 52 Rating, Deduct</i>	-4,408.07	
			<i>For Class 54 Rating, Add</i>	6,070.12	
			<i>For Class 55 Rating, Add</i>	9,054.58	
			<i>For Class 56 Rating, Add</i>	11,998.97	
40 05 19 00-0507	EA		42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,938.88	3,255.69
			<i>For Class 52 Rating, Deduct</i>	-4,510.66	
			<i>For Class 54 Rating, Add</i>	6,210.10	
			<i>For Class 55 Rating, Add</i>	9,262.73	
			<i>For Class 56 Rating, Add</i>	12,274.36	
40 05 19 00-0508	EA		42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,888.09	3,260.42
			<i>For Class 52 Rating, Deduct</i>	-4,614.29	
			<i>For Class 54 Rating, Add</i>	6,351.49	
			<i>For Class 55 Rating, Add</i>	9,472.98	
			<i>For Class 56 Rating, Add</i>	12,552.52	
40 05 19 00-0509	EA		42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,827.91	3,265.15
			<i>For Class 52 Rating, Deduct</i>	-4,716.88	
			<i>For Class 54 Rating, Add</i>	6,491.47	
			<i>For Class 55 Rating, Add</i>	9,681.13	
			<i>For Class 56 Rating, Add</i>	12,827.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0510 EA 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,779.00	3,269.88
<i>For Class 52 Rating, Deduct</i>	-4,820.71	
<i>For Class 54 Rating, Add</i>	6,633.15	
<i>For Class 55 Rating, Add</i>	9,891.80	
<i>For Class 56 Rating, Add</i>	13,106.62	
40 05 19 00-0511 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,716.93	3,274.62
<i>For Class 52 Rating, Deduct</i>	-4,923.09	
<i>For Class 54 Rating, Add</i>	6,772.85	
<i>For Class 55 Rating, Add</i>	10,099.53	
<i>For Class 56 Rating, Add</i>	13,381.45	
40 05 19 00-0512 EA 42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,668.01	3,279.35
<i>For Class 52 Rating, Deduct</i>	-5,026.92	
<i>For Class 54 Rating, Add</i>	6,914.52	
<i>For Class 55 Rating, Add</i>	10,310.19	
<i>For Class 56 Rating, Add</i>	13,660.17	
40 05 19 00-0513 EA 42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,607.82	3,284.08
<i>For Class 52 Rating, Deduct</i>	-5,129.51	
<i>For Class 54 Rating, Add</i>	7,054.50	
<i>For Class 55 Rating, Add</i>	10,518.34	
<i>For Class 56 Rating, Add</i>	13,935.55	
40 05 19 00-0514 EA 42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,557.03	3,288.81
<i>For Class 52 Rating, Deduct</i>	-5,233.14	
<i>For Class 54 Rating, Add</i>	7,195.89	
<i>For Class 55 Rating, Add</i>	10,728.59	
<i>For Class 56 Rating, Add</i>	14,213.71	
40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0516 EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,085.19	3,913.46
<i>For Class 52 Rating, Deduct</i>	-1,777.13	
<i>For Class 54 Rating, Add</i>	2,494.51	
<i>For Class 55 Rating, Add</i>	3,745.03	
<i>For Class 56 Rating, Add</i>	4,979.40	
40 05 19 00-0517 EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,466.87	3,918.19
<i>For Class 52 Rating, Deduct</i>	-1,928.32	
<i>For Class 54 Rating, Add</i>	2,700.77	
<i>For Class 55 Rating, Add</i>	4,051.72	
<i>For Class 56 Rating, Add</i>	5,385.13	
40 05 19 00-0518 EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,846.67	3,922.92
<i>For Class 52 Rating, Deduct</i>	-2,079.31	
<i>For Class 54 Rating, Add</i>	2,906.75	
<i>For Class 55 Rating, Add</i>	4,357.99	
<i>For Class 56 Rating, Add</i>	5,790.32	
40 05 19 00-0519 EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,237.75	3,927.65
<i>For Class 52 Rating, Deduct</i>	-2,231.54	
<i>For Class 54 Rating, Add</i>	3,114.43	
<i>For Class 55 Rating, Add</i>	4,666.77	
<i>For Class 56 Rating, Add</i>	6,198.83	
40 05 19 00-0520 EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,619.45	3,932.39
<i>For Class 52 Rating, Deduct</i>	-2,382.74	
<i>For Class 54 Rating, Add</i>	3,320.69	
<i>For Class 55 Rating, Add</i>	4,973.46	
<i>For Class 56 Rating, Add</i>	6,604.57	
40 05 19 00-0521 EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,001.13	3,937.12
<i>For Class 52 Rating, Deduct</i>	-2,533.94	
<i>For Class 54 Rating, Add</i>	3,526.95	
<i>For Class 55 Rating, Add</i>	5,280.15	
<i>For Class 56 Rating, Add</i>	7,010.31	
40 05 19 00-0522 EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,390.34	3,941.85
<i>For Class 52 Rating, Deduct</i>	-2,685.96	
<i>For Class 54 Rating, Add</i>	3,734.35	
<i>For Class 55 Rating, Add</i>	5,588.52	
<i>For Class 56 Rating, Add</i>	7,418.27	
40 05 19 00-0523 EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,773.89	3,946.58
<i>For Class 52 Rating, Deduct</i>	-2,837.37	
<i>For Class 54 Rating, Add</i>	3,940.89	
<i>For Class 55 Rating, Add</i>	5,895.63	
<i>For Class 56 Rating, Add</i>	7,824.57	
40 05 19 00-0524 EA 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,153.69	3,951.31
<i>For Class 52 Rating, Deduct</i>	-2,988.35	
<i>For Class 54 Rating, Add</i>	4,146.87	
<i>For Class 55 Rating, Add</i>	6,201.89	
<i>For Class 56 Rating, Add</i>	8,229.75	
40 05 19 00-0525 EA 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,544.79	3,956.05
<i>For Class 52 Rating, Deduct</i>	-3,140.59	
<i>For Class 54 Rating, Add</i>	4,354.55	
<i>For Class 55 Rating, Add</i>	6,510.68	
<i>For Class 56 Rating, Add</i>	8,638.26	
40 05 19 00-0526 EA 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,926.47	3,960.78
<i>For Class 52 Rating, Deduct</i>	-3,291.78	
<i>For Class 54 Rating, Add</i>	4,560.81	
<i>For Class 55 Rating, Add</i>	6,817.37	
<i>For Class 56 Rating, Add</i>	9,044.00	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0527	EA		48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,317.56	3,965.51
			<i>For Class 52 Rating, Deduct</i>	-3,444.01	
			<i>For Class 54 Rating, Add</i>	4,768.48	
			<i>For Class 55 Rating, Add</i>	7,126.15	
			<i>For Class 56 Rating, Add</i>	9,452.52	
40 05 19 00-0528	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,697.35	3,970.24
			<i>For Class 52 Rating, Deduct</i>	-3,595.00	
			<i>For Class 54 Rating, Add</i>	4,974.46	
			<i>For Class 55 Rating, Add</i>	7,432.42	
			<i>For Class 56 Rating, Add</i>	9,857.70	
40 05 19 00-0529	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,079.04	3,974.98
			<i>For Class 52 Rating, Deduct</i>	-3,746.20	
			<i>For Class 54 Rating, Add</i>	5,180.73	
			<i>For Class 55 Rating, Add</i>	7,739.11	
			<i>For Class 56 Rating, Add</i>	10,263.44	
40 05 19 00-0530	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,470.13	3,979.71
			<i>For Class 52 Rating, Deduct</i>	-3,898.43	
			<i>For Class 54 Rating, Add</i>	5,388.40	
			<i>For Class 55 Rating, Add</i>	8,047.90	
			<i>For Class 56 Rating, Add</i>	10,671.95	
40 05 19 00-0531	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,851.82	3,984.44
			<i>For Class 52 Rating, Deduct</i>	-4,049.63	
			<i>For Class 54 Rating, Add</i>	5,594.66	
			<i>For Class 55 Rating, Add</i>	8,354.59	
			<i>For Class 56 Rating, Add</i>	11,077.70	
40 05 19 00-0532	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,231.62	3,989.17
			<i>For Class 52 Rating, Deduct</i>	-4,200.62	
			<i>For Class 54 Rating, Add</i>	5,800.64	
			<i>For Class 55 Rating, Add</i>	8,660.86	
			<i>For Class 56 Rating, Add</i>	11,482.88	
40 05 19 00-0533	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,622.69	3,993.90
			<i>For Class 52 Rating, Deduct</i>	-4,352.85	
			<i>For Class 54 Rating, Add</i>	6,008.32	
			<i>For Class 55 Rating, Add</i>	8,969.64	
			<i>For Class 56 Rating, Add</i>	11,891.39	
40 05 19 00-0534	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,004.38	3,998.64
			<i>For Class 52 Rating, Deduct</i>	-4,504.04	
			<i>For Class 54 Rating, Add</i>	6,214.58	
			<i>For Class 55 Rating, Add</i>	9,276.33	
			<i>For Class 56 Rating, Add</i>	12,297.13	
40 05 19 00-0535	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,384.18	4,003.37
			<i>For Class 52 Rating, Deduct</i>	-4,655.03	
			<i>For Class 54 Rating, Add</i>	6,420.56	
			<i>For Class 55 Rating, Add</i>	9,582.60	
			<i>For Class 56 Rating, Add</i>	12,702.32	
40 05 19 00-0536	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,775.28	4,008.10
			<i>For Class 52 Rating, Deduct</i>	-4,807.26	
			<i>For Class 54 Rating, Add</i>	6,628.23	
			<i>For Class 55 Rating, Add</i>	9,891.38	
			<i>For Class 56 Rating, Add</i>	13,110.83	
40 05 19 00-0537	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,158.84	4,012.83
			<i>For Class 52 Rating, Deduct</i>	-4,958.67	
			<i>For Class 54 Rating, Add</i>	6,834.78	
			<i>For Class 55 Rating, Add</i>	10,198.49	
			<i>For Class 56 Rating, Add</i>	13,517.12	
40 05 19 00-0538	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,538.64	4,017.56
			<i>For Class 52 Rating, Deduct</i>	-5,109.66	
			<i>For Class 54 Rating, Add</i>	7,040.76	
			<i>For Class 55 Rating, Add</i>	10,504.76	
			<i>For Class 56 Rating, Add</i>	13,922.31	
40 05 19 00-0539	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,929.72	4,022.30
			<i>For Class 52 Rating, Deduct</i>	-5,261.89	
			<i>For Class 54 Rating, Add</i>	7,248.43	
			<i>For Class 55 Rating, Add</i>	10,813.55	
			<i>For Class 56 Rating, Add</i>	14,330.82	
40 05 19 00-0540	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,311.40	4,027.03
			<i>For Class 52 Rating, Deduct</i>	-5,413.08	
			<i>For Class 54 Rating, Add</i>	7,454.70	
			<i>For Class 55 Rating, Add</i>	11,120.23	
			<i>For Class 56 Rating, Add</i>	14,736.56	
40 05 19 00-0541	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,691.22	4,031.76
			<i>For Class 52 Rating, Deduct</i>	-5,564.07	
			<i>For Class 54 Rating, Add</i>	7,660.68	
			<i>For Class 55 Rating, Add</i>	11,426.50	
			<i>For Class 56 Rating, Add</i>	15,141.75	
40 05 19 00-0542	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,082.30	4,036.49
			<i>For Class 52 Rating, Deduct</i>	-5,716.30	
			<i>For Class 54 Rating, Add</i>	7,868.35	
			<i>For Class 55 Rating, Add</i>	11,735.29	
			<i>For Class 56 Rating, Add</i>	15,550.26	
40 05 19 00-0543	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,463.98	4,041.22
			<i>For Class 52 Rating, Deduct</i>	-5,867.50	
			<i>For Class 54 Rating, Add</i>	8,074.61	
			<i>For Class 55 Rating, Add</i>	12,041.98	
			<i>For Class 56 Rating, Add</i>	15,956.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0544 EA 48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,676.43	4,045.96
<i>For Class 52 Rating, Deduct</i>	-6,000.08	
<i>For Class 54 Rating, Add</i>	8,255.49	
<i>For Class 55 Rating, Add</i>	12,310.93	
<i>For Class 56 Rating, Add</i>	16,311.82	
40 05 19 00-0545 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,236.75	4,050.69
<i>For Class 52 Rating, Deduct</i>	-6,170.93	
<i>For Class 54 Rating, Add</i>	8,488.55	
<i>For Class 55 Rating, Add</i>	12,657.45	
<i>For Class 56 Rating, Add</i>	16,770.25	
40 05 19 00-0546 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,616.55	4,055.42
<i>For Class 52 Rating, Deduct</i>	-6,321.92	
<i>For Class 54 Rating, Add</i>	8,694.53	
<i>For Class 55 Rating, Add</i>	12,963.72	
<i>For Class 56 Rating, Add</i>	17,175.44	
40 05 19 00-0547 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,009.53	4,060.15
<i>For Class 52 Rating, Deduct</i>	-6,474.36	
<i>For Class 54 Rating, Add</i>	8,902.49	
<i>For Class 55 Rating, Add</i>	13,272.93	
<i>For Class 56 Rating, Add</i>	17,584.51	
40 05 19 00-0548 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,389.32	4,064.88
<i>For Class 52 Rating, Deduct</i>	-6,625.35	
<i>For Class 54 Rating, Add</i>	9,108.47	
<i>For Class 55 Rating, Add</i>	13,579.20	
<i>For Class 56 Rating, Add</i>	17,989.69	
40 05 19 00-0549 EA 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,769.12	4,069.62
<i>For Class 52 Rating, Deduct</i>	-6,776.33	
<i>For Class 54 Rating, Add</i>	9,314.45	
<i>For Class 55 Rating, Add</i>	13,885.46	
<i>For Class 56 Rating, Add</i>	18,394.88	
40 05 19 00-0550 EA 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	69,162.09	4,074.35
<i>For Class 52 Rating, Deduct</i>	-6,928.77	
<i>For Class 54 Rating, Add</i>	9,522.41	
<i>For Class 55 Rating, Add</i>	14,194.67	
<i>For Class 56 Rating, Add</i>	18,803.94	
40 05 19 00-0551 EA 48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,541.89	4,079.08
<i>For Class 52 Rating, Deduct</i>	-7,079.76	
<i>For Class 54 Rating, Add</i>	9,728.39	
<i>For Class 55 Rating, Add</i>	14,500.94	
<i>For Class 56 Rating, Add</i>	19,209.13	
40 05 19 00-0552 EA 48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,923.59	4,083.81
<i>For Class 52 Rating, Deduct</i>	-7,230.96	
<i>For Class 54 Rating, Add</i>	9,934.65	
<i>For Class 55 Rating, Add</i>	14,807.63	
<i>For Class 56 Rating, Add</i>	19,614.87	
40 05 19 00-0553 EA 48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	73,314.66	4,088.55
<i>For Class 52 Rating, Deduct</i>	-7,383.19	
<i>For Class 54 Rating, Add</i>	10,142.32	
<i>For Class 55 Rating, Add</i>	15,116.41	
<i>For Class 56 Rating, Add</i>	20,023.38	
 40 05 19 00-0554 Flanged End x Grooved End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
 40 05 19 00-0555 4" Flanged End x Grooved End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556 EA 4" Flanged x Grooved (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	647.74	216.54
<i>For Class 52 Rating, Deduct</i>	-35.16	
<i>For Class 54 Rating, Add</i>	51.88	
<i>For Class 55 Rating, Add</i>	79.16	
<i>For Class 56 Rating, Add</i>	106.11	
40 05 19 00-0557 EA 4" Flanged x Grooved (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	702.37	220.33
<i>For Class 52 Rating, Deduct</i>	-40.54	
<i>For Class 54 Rating, Add</i>	59.29	
<i>For Class 55 Rating, Add</i>	90.20	
<i>For Class 56 Rating, Add</i>	120.74	
40 05 19 00-0558 EA 4" Flanged x Grooved (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	756.99	224.11
<i>For Class 52 Rating, Deduct</i>	-45.92	
<i>For Class 54 Rating, Add</i>	66.69	
<i>For Class 55 Rating, Add</i>	101.24	
<i>For Class 56 Rating, Add</i>	135.37	
40 05 19 00-0559 EA 4" Flanged x Grooved (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	811.62	227.90
<i>For Class 52 Rating, Deduct</i>	-51.30	
<i>For Class 54 Rating, Add</i>	74.09	
<i>For Class 55 Rating, Add</i>	112.28	
<i>For Class 56 Rating, Add</i>	150.00	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0560	EA		4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	866.24	231.68
			<i>For Class 52 Rating, Deduct</i>	-56.67	
			<i>For Class 54 Rating, Add</i>	81.49	
			<i>For Class 55 Rating, Add</i>	123.32	
			<i>For Class 56 Rating, Add</i>	164.62	
40 05 19 00-0561	EA		4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	920.87	235.47
			<i>For Class 52 Rating, Deduct</i>	-62.05	
			<i>For Class 54 Rating, Add</i>	88.90	
			<i>For Class 55 Rating, Add</i>	134.36	
			<i>For Class 56 Rating, Add</i>	179.25	
40 05 19 00-0562	EA		4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	975.48	239.25
			<i>For Class 52 Rating, Deduct</i>	-67.43	
			<i>For Class 54 Rating, Add</i>	96.30	
			<i>For Class 55 Rating, Add</i>	145.39	
			<i>For Class 56 Rating, Add</i>	193.88	
40 05 19 00-0563	EA		4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,030.11	243.04
			<i>For Class 52 Rating, Deduct</i>	-72.81	
			<i>For Class 54 Rating, Add</i>	103.70	
			<i>For Class 55 Rating, Add</i>	156.43	
			<i>For Class 56 Rating, Add</i>	208.51	
40 05 19 00-0564	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,084.74	246.83
			<i>For Class 52 Rating, Deduct</i>	-78.18	
			<i>For Class 54 Rating, Add</i>	111.10	
			<i>For Class 55 Rating, Add</i>	167.48	
			<i>For Class 56 Rating, Add</i>	223.14	
40 05 19 00-0565	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,139.37	250.61
			<i>For Class 52 Rating, Deduct</i>	-83.56	
			<i>For Class 54 Rating, Add</i>	118.50	
			<i>For Class 55 Rating, Add</i>	178.52	
			<i>For Class 56 Rating, Add</i>	237.77	
40 05 19 00-0566	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,194.00	254.40
			<i>For Class 52 Rating, Deduct</i>	-88.94	
			<i>For Class 54 Rating, Add</i>	125.91	
			<i>For Class 55 Rating, Add</i>	189.56	
			<i>For Class 56 Rating, Add</i>	252.40	
40 05 19 00-0567	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,248.62	258.18
			<i>For Class 52 Rating, Deduct</i>	-94.32	
			<i>For Class 54 Rating, Add</i>	133.31	
			<i>For Class 55 Rating, Add</i>	200.60	
			<i>For Class 56 Rating, Add</i>	267.02	
40 05 19 00-0568	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,303.24	261.97
			<i>For Class 52 Rating, Deduct</i>	-99.69	
			<i>For Class 54 Rating, Add</i>	140.71	
			<i>For Class 55 Rating, Add</i>	211.63	
			<i>For Class 56 Rating, Add</i>	281.65	
40 05 19 00-0569	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,357.86	265.75
			<i>For Class 52 Rating, Deduct</i>	-105.07	
			<i>For Class 54 Rating, Add</i>	148.11	
			<i>For Class 55 Rating, Add</i>	222.67	
			<i>For Class 56 Rating, Add</i>	296.28	
40 05 19 00-0570	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,412.49	269.54
			<i>For Class 52 Rating, Deduct</i>	-110.45	
			<i>For Class 54 Rating, Add</i>	155.51	
			<i>For Class 55 Rating, Add</i>	233.71	
			<i>For Class 56 Rating, Add</i>	310.91	
40 05 19 00-0571	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,467.11	273.33
			<i>For Class 52 Rating, Deduct</i>	-115.83	
			<i>For Class 54 Rating, Add</i>	162.92	
			<i>For Class 55 Rating, Add</i>	244.75	
			<i>For Class 56 Rating, Add</i>	325.54	
40 05 19 00-0572	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,521.74	277.11
			<i>For Class 52 Rating, Deduct</i>	-121.21	
			<i>For Class 54 Rating, Add</i>	170.32	
			<i>For Class 55 Rating, Add</i>	255.79	
			<i>For Class 56 Rating, Add</i>	340.17	
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,576.36	280.90
			<i>For Class 52 Rating, Deduct</i>	-126.58	
			<i>For Class 54 Rating, Add</i>	177.72	
			<i>For Class 55 Rating, Add</i>	266.83	
			<i>For Class 56 Rating, Add</i>	354.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0574 EA 4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,630.98	284.68
<i>For Class 52 Rating, Deduct</i>	-131.96	
<i>For Class 54 Rating, Add</i>	185.12	
<i>For Class 55 Rating, Add</i>	277.87	
<i>For Class 56 Rating, Add</i>	369.42	
40 05 19 00-0575 EA 4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,685.61	288.47
<i>For Class 52 Rating, Deduct</i>	-137.34	
<i>For Class 54 Rating, Add</i>	192.52	
<i>For Class 55 Rating, Add</i>	288.91	
<i>For Class 56 Rating, Add</i>	384.05	
40 05 19 00-0576 EA 4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,740.23	292.25
<i>For Class 52 Rating, Deduct</i>	-142.72	
<i>For Class 54 Rating, Add</i>	199.93	
<i>For Class 55 Rating, Add</i>	299.95	
<i>For Class 56 Rating, Add</i>	398.68	
40 05 19 00-0577 EA 4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,794.86	296.04
<i>For Class 52 Rating, Deduct</i>	-148.09	
<i>For Class 54 Rating, Add</i>	207.33	
<i>For Class 55 Rating, Add</i>	310.99	
<i>For Class 56 Rating, Add</i>	413.31	
40 05 19 00-0578 EA 4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,849.48	299.83
<i>For Class 52 Rating, Deduct</i>	-153.47	
<i>For Class 54 Rating, Add</i>	214.73	
<i>For Class 55 Rating, Add</i>	322.03	
<i>For Class 56 Rating, Add</i>	427.94	
40 05 19 00-0579 EA 4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,904.11	303.61
<i>For Class 52 Rating, Deduct</i>	-158.85	
<i>For Class 54 Rating, Add</i>	222.13	
<i>For Class 55 Rating, Add</i>	333.07	
<i>For Class 56 Rating, Add</i>	442.57	
40 05 19 00-0580 EA 4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,958.72	307.40
<i>For Class 52 Rating, Deduct</i>	-164.23	
<i>For Class 54 Rating, Add</i>	229.53	
<i>For Class 55 Rating, Add</i>	344.11	
<i>For Class 56 Rating, Add</i>	457.19	
40 05 19 00-0581 EA 4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,013.35	311.18
<i>For Class 52 Rating, Deduct</i>	-169.60	
<i>For Class 54 Rating, Add</i>	236.94	
<i>For Class 55 Rating, Add</i>	355.15	
<i>For Class 56 Rating, Add</i>	471.82	
40 05 19 00-0582 EA 4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,067.97	314.97
<i>For Class 52 Rating, Deduct</i>	-174.98	
<i>For Class 54 Rating, Add</i>	244.34	
<i>For Class 55 Rating, Add</i>	366.19	
<i>For Class 56 Rating, Add</i>	486.45	
40 05 19 00-0583 EA 4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,122.60	318.75
<i>For Class 52 Rating, Deduct</i>	-180.36	
<i>For Class 54 Rating, Add</i>	251.74	
<i>For Class 55 Rating, Add</i>	377.23	
<i>For Class 56 Rating, Add</i>	501.08	
40 05 19 00-0584 EA 4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,177.22	322.54
<i>For Class 52 Rating, Deduct</i>	-185.74	
<i>For Class 54 Rating, Add</i>	259.14	
<i>For Class 55 Rating, Add</i>	388.27	
<i>For Class 56 Rating, Add</i>	515.71	
40 05 19 00-0585 EA 4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,231.85	326.33
<i>For Class 52 Rating, Deduct</i>	-191.12	
<i>For Class 54 Rating, Add</i>	266.55	
<i>For Class 55 Rating, Add</i>	399.31	
<i>For Class 56 Rating, Add</i>	530.34	
40 05 19 00-0586 EA 4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,286.47	330.11
<i>For Class 52 Rating, Deduct</i>	-196.49	
<i>For Class 54 Rating, Add</i>	273.95	
<i>For Class 55 Rating, Add</i>	410.35	
<i>For Class 56 Rating, Add</i>	544.96	
40 05 19 00-0587 EA 4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,341.09	333.90
<i>For Class 52 Rating, Deduct</i>	-201.87	
<i>For Class 54 Rating, Add</i>	281.35	
<i>For Class 55 Rating, Add</i>	421.39	
<i>For Class 56 Rating, Add</i>	559.59	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0588	EA		4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,395.72	337.68
			<i>For Class 52 Rating, Deduct</i>	-207.25	
			<i>For Class 54 Rating, Add</i>	288.75	
			<i>For Class 55 Rating, Add</i>	432.43	
			<i>For Class 56 Rating, Add</i>	574.22	
40 05 19 00-0589	EA		4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,450.35	341.47
			<i>For Class 52 Rating, Deduct</i>	-212.63	
			<i>For Class 54 Rating, Add</i>	296.15	
			<i>For Class 55 Rating, Add</i>	443.47	
			<i>For Class 56 Rating, Add</i>	588.85	
40 05 19 00-0590	EA		4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,504.98	345.25
			<i>For Class 52 Rating, Deduct</i>	-218.00	
			<i>For Class 54 Rating, Add</i>	303.56	
			<i>For Class 55 Rating, Add</i>	454.51	
			<i>For Class 56 Rating, Add</i>	603.48	
40 05 19 00-0591	EA		4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,559.60	349.04
			<i>For Class 52 Rating, Deduct</i>	-223.38	
			<i>For Class 54 Rating, Add</i>	310.96	
			<i>For Class 55 Rating, Add</i>	465.55	
			<i>For Class 56 Rating, Add</i>	618.11	
40 05 19 00-0592	EA		4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,614.22	352.83
			<i>For Class 52 Rating, Deduct</i>	-228.76	
			<i>For Class 54 Rating, Add</i>	318.36	
			<i>For Class 55 Rating, Add</i>	476.59	
			<i>For Class 56 Rating, Add</i>	632.74	
40 05 19 00-0593	EA		4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,668.84	356.61
			<i>For Class 52 Rating, Deduct</i>	-234.14	
			<i>For Class 54 Rating, Add</i>	325.76	
			<i>For Class 55 Rating, Add</i>	487.63	
			<i>For Class 56 Rating, Add</i>	647.36	
40 05 19 00-0594	EA		4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,723.47	360.40
			<i>For Class 52 Rating, Deduct</i>	-239.52	
			<i>For Class 54 Rating, Add</i>	333.16	
			<i>For Class 55 Rating, Add</i>	498.67	
			<i>For Class 56 Rating, Add</i>	661.99	
40 05 19 00-0595			6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0594)</small>		
40 05 19 00-0596	EA		6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	809.73	272.57
			<i>For Class 52 Rating, Deduct</i>	-43.64	
			<i>For Class 54 Rating, Add</i>	64.47	
			<i>For Class 55 Rating, Add</i>	98.39	
			<i>For Class 56 Rating, Add</i>	131.91	
40 05 19 00-0597	EA		6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	875.64	276.35
			<i>For Class 52 Rating, Deduct</i>	-50.26	
			<i>For Class 54 Rating, Add</i>	73.56	
			<i>For Class 55 Rating, Add</i>	111.94	
			<i>For Class 56 Rating, Add</i>	149.87	
40 05 19 00-0598	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	941.55	280.14
			<i>For Class 52 Rating, Deduct</i>	-56.88	
			<i>For Class 54 Rating, Add</i>	82.66	
			<i>For Class 55 Rating, Add</i>	125.50	
			<i>For Class 56 Rating, Add</i>	167.82	
40 05 19 00-0599	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,007.45	283.93
			<i>For Class 52 Rating, Deduct</i>	-63.50	
			<i>For Class 54 Rating, Add</i>	91.75	
			<i>For Class 55 Rating, Add</i>	139.05	
			<i>For Class 56 Rating, Add</i>	185.78	
40 05 19 00-0600	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,073.36	287.71
			<i>For Class 52 Rating, Deduct</i>	-70.12	
			<i>For Class 54 Rating, Add</i>	100.85	
			<i>For Class 55 Rating, Add</i>	152.61	
			<i>For Class 56 Rating, Add</i>	203.74	
40 05 19 00-0601	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,139.26	291.50
			<i>For Class 52 Rating, Deduct</i>	-76.74	
			<i>For Class 54 Rating, Add</i>	109.94	
			<i>For Class 55 Rating, Add</i>	166.16	
			<i>For Class 56 Rating, Add</i>	221.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0602 EA 6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,205.17	295.28
<i>For Class 52 Rating, Deduct</i>	-83.35	
<i>For Class 54 Rating, Add</i>	119.03	
<i>For Class 55 Rating, Add</i>	179.72	
<i>For Class 56 Rating, Add</i>	239.65	
40 05 19 00-0603 EA 6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,271.07	299.07
<i>For Class 52 Rating, Deduct</i>	-89.97	
<i>For Class 54 Rating, Add</i>	128.13	
<i>For Class 55 Rating, Add</i>	193.28	
<i>For Class 56 Rating, Add</i>	257.60	
40 05 19 00-0604 EA 6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,336.98	302.85
<i>For Class 52 Rating, Deduct</i>	-96.59	
<i>For Class 54 Rating, Add</i>	137.22	
<i>For Class 55 Rating, Add</i>	206.83	
<i>For Class 56 Rating, Add</i>	275.56	
40 05 19 00-0605 EA 6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,402.88	306.64
<i>For Class 52 Rating, Deduct</i>	-103.21	
<i>For Class 54 Rating, Add</i>	146.32	
<i>For Class 55 Rating, Add</i>	220.39	
<i>For Class 56 Rating, Add</i>	293.52	
40 05 19 00-0606 EA 6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,468.79	310.43
<i>For Class 52 Rating, Deduct</i>	-109.83	
<i>For Class 54 Rating, Add</i>	155.41	
<i>For Class 55 Rating, Add</i>	233.94	
<i>For Class 56 Rating, Add</i>	311.47	
40 05 19 00-0607 EA 6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,534.69	314.21
<i>For Class 52 Rating, Deduct</i>	-116.45	
<i>For Class 54 Rating, Add</i>	164.51	
<i>For Class 55 Rating, Add</i>	247.50	
<i>For Class 56 Rating, Add</i>	329.43	
40 05 19 00-0608 EA 6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,600.60	318.00
<i>For Class 52 Rating, Deduct</i>	-123.07	
<i>For Class 54 Rating, Add</i>	173.60	
<i>For Class 55 Rating, Add</i>	261.05	
<i>For Class 56 Rating, Add</i>	347.39	
40 05 19 00-0609 EA 6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,666.51	321.78
<i>For Class 52 Rating, Deduct</i>	-129.69	
<i>For Class 54 Rating, Add</i>	182.69	
<i>For Class 55 Rating, Add</i>	274.61	
<i>For Class 56 Rating, Add</i>	365.35	
40 05 19 00-0610 EA 6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,732.42	325.57
<i>For Class 52 Rating, Deduct</i>	-136.30	
<i>For Class 54 Rating, Add</i>	191.79	
<i>For Class 55 Rating, Add</i>	288.16	
<i>For Class 56 Rating, Add</i>	383.30	
40 05 19 00-0611 EA 6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,798.33	329.35
<i>For Class 52 Rating, Deduct</i>	-142.92	
<i>For Class 54 Rating, Add</i>	200.88	
<i>For Class 55 Rating, Add</i>	301.72	
<i>For Class 56 Rating, Add</i>	401.26	
40 05 19 00-0612 EA 6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,864.23	333.14
<i>For Class 52 Rating, Deduct</i>	-149.54	
<i>For Class 54 Rating, Add</i>	209.98	
<i>For Class 55 Rating, Add</i>	315.28	
<i>For Class 56 Rating, Add</i>	419.22	
40 05 19 00-0613 EA 6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,930.14	336.92
<i>For Class 52 Rating, Deduct</i>	-156.16	
<i>For Class 54 Rating, Add</i>	219.07	
<i>For Class 55 Rating, Add</i>	328.83	
<i>For Class 56 Rating, Add</i>	437.17	
40 05 19 00-0614 EA 6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,996.04	340.71
<i>For Class 52 Rating, Deduct</i>	-162.78	
<i>For Class 54 Rating, Add</i>	228.17	
<i>For Class 55 Rating, Add</i>	342.39	
<i>For Class 56 Rating, Add</i>	455.13	
40 05 19 00-0615 EA 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,061.95	344.50
<i>For Class 52 Rating, Deduct</i>	-169.40	
<i>For Class 54 Rating, Add</i>	237.26	
<i>For Class 55 Rating, Add</i>	355.94	
<i>For Class 56 Rating, Add</i>	473.09	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0616	EA		6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,127.85	348.28
			<i>For Class 52 Rating, Deduct</i>	-176.02	
			<i>For Class 54 Rating, Add</i>	246.35	
			<i>For Class 55 Rating, Add</i>	369.50	
			<i>For Class 56 Rating, Add</i>	491.04	
40 05 19 00-0617	EA		6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,193.76	352.07
			<i>For Class 52 Rating, Deduct</i>	-182.64	
			<i>For Class 54 Rating, Add</i>	255.45	
			<i>For Class 55 Rating, Add</i>	383.05	
			<i>For Class 56 Rating, Add</i>	509.00	
40 05 19 00-0618	EA		6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,259.67	355.85
			<i>For Class 52 Rating, Deduct</i>	-189.25	
			<i>For Class 54 Rating, Add</i>	264.54	
			<i>For Class 55 Rating, Add</i>	396.61	
			<i>For Class 56 Rating, Add</i>	526.96	
40 05 19 00-0619	EA		6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,325.57	359.64
			<i>For Class 52 Rating, Deduct</i>	-195.87	
			<i>For Class 54 Rating, Add</i>	273.64	
			<i>For Class 55 Rating, Add</i>	410.17	
			<i>For Class 56 Rating, Add</i>	544.91	
40 05 19 00-0620	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,391.48	363.42
			<i>For Class 52 Rating, Deduct</i>	-202.49	
			<i>For Class 54 Rating, Add</i>	282.73	
			<i>For Class 55 Rating, Add</i>	423.72	
			<i>For Class 56 Rating, Add</i>	562.87	
40 05 19 00-0621	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,457.38	367.21
			<i>For Class 52 Rating, Deduct</i>	-209.11	
			<i>For Class 54 Rating, Add</i>	291.83	
			<i>For Class 55 Rating, Add</i>	437.28	
			<i>For Class 56 Rating, Add</i>	580.82	
40 05 19 00-0622	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,523.29	371.00
			<i>For Class 52 Rating, Deduct</i>	-215.73	
			<i>For Class 54 Rating, Add</i>	300.92	
			<i>For Class 55 Rating, Add</i>	450.83	
			<i>For Class 56 Rating, Add</i>	598.78	
40 05 19 00-0623	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,589.19	374.78
			<i>For Class 52 Rating, Deduct</i>	-222.35	
			<i>For Class 54 Rating, Add</i>	310.02	
			<i>For Class 55 Rating, Add</i>	464.39	
			<i>For Class 56 Rating, Add</i>	616.74	
40 05 19 00-0624	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,655.10	378.57
			<i>For Class 52 Rating, Deduct</i>	-228.97	
			<i>For Class 54 Rating, Add</i>	319.11	
			<i>For Class 55 Rating, Add</i>	477.94	
			<i>For Class 56 Rating, Add</i>	634.69	
40 05 19 00-0625	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,721.00	382.35
			<i>For Class 52 Rating, Deduct</i>	-235.58	
			<i>For Class 54 Rating, Add</i>	328.20	
			<i>For Class 55 Rating, Add</i>	491.50	
			<i>For Class 56 Rating, Add</i>	652.65	
40 05 19 00-0626	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,786.91	386.14
			<i>For Class 52 Rating, Deduct</i>	-242.20	
			<i>For Class 54 Rating, Add</i>	337.30	
			<i>For Class 55 Rating, Add</i>	505.05	
			<i>For Class 56 Rating, Add</i>	670.61	
40 05 19 00-0627	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,852.81	389.92
			<i>For Class 52 Rating, Deduct</i>	-248.82	
			<i>For Class 54 Rating, Add</i>	346.39	
			<i>For Class 55 Rating, Add</i>	518.61	
			<i>For Class 56 Rating, Add</i>	688.56	
40 05 19 00-0628	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,918.73	393.71
			<i>For Class 52 Rating, Deduct</i>	-255.44	
			<i>For Class 54 Rating, Add</i>	355.49	
			<i>For Class 55 Rating, Add</i>	532.17	
			<i>For Class 56 Rating, Add</i>	706.52	
40 05 19 00-0629	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,984.64	397.50
			<i>For Class 52 Rating, Deduct</i>	-262.06	
			<i>For Class 54 Rating, Add</i>	364.58	
			<i>For Class 55 Rating, Add</i>	545.72	
			<i>For Class 56 Rating, Add</i>	724.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0630 EA 6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,050.54	401.28
For Class 52 Rating, Deduct	-268.68	
For Class 54 Rating, Add	373.68	
For Class 55 Rating, Add	559.28	
For Class 56 Rating, Add	742.44	
40 05 19 00-0631 EA 6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,116.45	405.07
For Class 52 Rating, Deduct	-275.30	
For Class 54 Rating, Add	382.77	
For Class 55 Rating, Add	572.83	
For Class 56 Rating, Add	760.39	
40 05 19 00-0632 EA 6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,182.35	408.85
For Class 52 Rating, Deduct	-281.92	
For Class 54 Rating, Add	391.87	
For Class 55 Rating, Add	586.39	
For Class 56 Rating, Add	778.35	
40 05 19 00-0633 EA 6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,248.26	412.64
For Class 52 Rating, Deduct	-288.54	
For Class 54 Rating, Add	400.96	
For Class 55 Rating, Add	599.95	
For Class 56 Rating, Add	796.31	
40 05 19 00-0634 EA 6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,314.17	416.42
For Class 52 Rating, Deduct	-295.15	
For Class 54 Rating, Add	410.05	
For Class 55 Rating, Add	613.50	
For Class 56 Rating, Add	814.26	
 40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0636 EA 8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,106.84	348.28
For Class 52 Rating, Deduct	-63.71	
For Class 54 Rating, Add	93.20	
For Class 55 Rating, Add	141.81	
For Class 56 Rating, Add	189.84	
40 05 19 00-0637 EA 8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,195.31	352.07
For Class 52 Rating, Deduct	-72.81	
For Class 54 Rating, Add	105.68	
For Class 55 Rating, Add	160.40	
For Class 56 Rating, Add	214.46	
40 05 19 00-0638 EA 8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,283.79	355.85
For Class 52 Rating, Deduct	-81.91	
For Class 54 Rating, Add	118.16	
For Class 55 Rating, Add	178.99	
For Class 56 Rating, Add	239.07	
40 05 19 00-0639 EA 8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,372.25	359.64
For Class 52 Rating, Deduct	-91.01	
For Class 54 Rating, Add	130.64	
For Class 55 Rating, Add	197.57	
For Class 56 Rating, Add	263.68	
40 05 19 00-0640 EA 8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,460.72	363.42
For Class 52 Rating, Deduct	-100.11	
For Class 54 Rating, Add	143.12	
For Class 55 Rating, Add	216.16	
For Class 56 Rating, Add	288.29	
40 05 19 00-0641 EA 8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,549.19	367.21
For Class 52 Rating, Deduct	-109.21	
For Class 54 Rating, Add	155.60	
For Class 55 Rating, Add	234.75	
For Class 56 Rating, Add	312.91	
40 05 19 00-0642 EA 8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,637.66	371.00
For Class 52 Rating, Deduct	-118.31	
For Class 54 Rating, Add	168.08	
For Class 55 Rating, Add	253.34	
For Class 56 Rating, Add	337.52	
40 05 19 00-0643 EA 8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,726.13	374.78
For Class 52 Rating, Deduct	-127.41	
For Class 54 Rating, Add	180.56	
For Class 55 Rating, Add	271.92	
For Class 56 Rating, Add	362.14	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,814.60	378.57
			<i>For Class 52 Rating, Deduct</i>	-136.51	
			<i>For Class 54 Rating, Add</i>	193.03	
			<i>For Class 55 Rating, Add</i>	290.51	
			<i>For Class 56 Rating, Add</i>	386.75	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,903.07	382.35
			<i>For Class 52 Rating, Deduct</i>	-145.61	
			<i>For Class 54 Rating, Add</i>	205.51	
			<i>For Class 55 Rating, Add</i>	309.10	
			<i>For Class 56 Rating, Add</i>	411.36	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,991.54	386.14
			<i>For Class 52 Rating, Deduct</i>	-154.71	
			<i>For Class 54 Rating, Add</i>	217.99	
			<i>For Class 55 Rating, Add</i>	327.69	
			<i>For Class 56 Rating, Add</i>	435.97	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,080.00	389.92
			<i>For Class 52 Rating, Deduct</i>	-163.81	
			<i>For Class 54 Rating, Add</i>	230.47	
			<i>For Class 55 Rating, Add</i>	346.27	
			<i>For Class 56 Rating, Add</i>	460.59	
40 05 19 00-0648	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,168.48	393.71
			<i>For Class 52 Rating, Deduct</i>	-172.91	
			<i>For Class 54 Rating, Add</i>	242.95	
			<i>For Class 55 Rating, Add</i>	364.86	
			<i>For Class 56 Rating, Add</i>	485.20	
40 05 19 00-0649	EA		8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,256.95	397.50
			<i>For Class 52 Rating, Deduct</i>	-182.01	
			<i>For Class 54 Rating, Add</i>	255.43	
			<i>For Class 55 Rating, Add</i>	383.45	
			<i>For Class 56 Rating, Add</i>	509.81	
40 05 19 00-0650	EA		8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,345.42	401.28
			<i>For Class 52 Rating, Deduct</i>	-191.12	
			<i>For Class 54 Rating, Add</i>	267.91	
			<i>For Class 55 Rating, Add</i>	402.04	
			<i>For Class 56 Rating, Add</i>	534.43	
40 05 19 00-0651	EA		8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,433.89	405.07
			<i>For Class 52 Rating, Deduct</i>	-200.22	
			<i>For Class 54 Rating, Add</i>	280.39	
			<i>For Class 55 Rating, Add</i>	420.62	
			<i>For Class 56 Rating, Add</i>	559.04	
40 05 19 00-0652	EA		8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,522.35	408.85
			<i>For Class 52 Rating, Deduct</i>	-209.32	
			<i>For Class 54 Rating, Add</i>	292.87	
			<i>For Class 55 Rating, Add</i>	439.21	
			<i>For Class 56 Rating, Add</i>	583.65	
40 05 19 00-0653	EA		8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,610.83	412.64
			<i>For Class 52 Rating, Deduct</i>	-218.42	
			<i>For Class 54 Rating, Add</i>	305.35	
			<i>For Class 55 Rating, Add</i>	457.80	
			<i>For Class 56 Rating, Add</i>	608.27	
40 05 19 00-0654	EA		8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,699.30	416.42
			<i>For Class 52 Rating, Deduct</i>	-227.52	
			<i>For Class 54 Rating, Add</i>	317.82	
			<i>For Class 55 Rating, Add</i>	476.38	
			<i>For Class 56 Rating, Add</i>	632.88	
40 05 19 00-0655	EA		8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,787.78	420.21
			<i>For Class 52 Rating, Deduct</i>	-236.62	
			<i>For Class 54 Rating, Add</i>	330.30	
			<i>For Class 55 Rating, Add</i>	494.97	
			<i>For Class 56 Rating, Add</i>	657.49	
40 05 19 00-0656	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,876.24	424.00
			<i>For Class 52 Rating, Deduct</i>	-245.72	
			<i>For Class 54 Rating, Add</i>	342.78	
			<i>For Class 55 Rating, Add</i>	513.56	
			<i>For Class 56 Rating, Add</i>	682.10	
40 05 19 00-0657	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,964.71	427.78
			<i>For Class 52 Rating, Deduct</i>	-254.82	
			<i>For Class 54 Rating, Add</i>	355.26	
			<i>For Class 55 Rating, Add</i>	532.15	
			<i>For Class 56 Rating, Add</i>	706.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0658 EA 8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,053.18	431.57
<i>For Class 52 Rating, Deduct</i>	-263.92	
<i>For Class 54 Rating, Add</i>	367.74	
<i>For Class 55 Rating, Add</i>	550.74	
<i>For Class 56 Rating, Add</i>	731.33	
40 05 19 00-0659 EA 8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,141.65	435.35
<i>For Class 52 Rating, Deduct</i>	-273.02	
<i>For Class 54 Rating, Add</i>	380.22	
<i>For Class 55 Rating, Add</i>	569.32	
<i>For Class 56 Rating, Add</i>	755.94	
40 05 19 00-0660 EA 8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,230.13	439.14
<i>For Class 52 Rating, Deduct</i>	-282.12	
<i>For Class 54 Rating, Add</i>	392.70	
<i>For Class 55 Rating, Add</i>	587.91	
<i>For Class 56 Rating, Add</i>	780.56	
40 05 19 00-0661 EA 8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,318.59	442.92
<i>For Class 52 Rating, Deduct</i>	-291.22	
<i>For Class 54 Rating, Add</i>	405.18	
<i>For Class 55 Rating, Add</i>	606.50	
<i>For Class 56 Rating, Add</i>	805.17	
40 05 19 00-0662 EA 8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,407.06	446.71
<i>For Class 52 Rating, Deduct</i>	-300.32	
<i>For Class 54 Rating, Add</i>	417.66	
<i>For Class 55 Rating, Add</i>	625.08	
<i>For Class 56 Rating, Add</i>	829.78	
40 05 19 00-0663 EA 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,495.53	450.49
<i>For Class 52 Rating, Deduct</i>	-309.43	
<i>For Class 54 Rating, Add</i>	430.13	
<i>For Class 55 Rating, Add</i>	643.67	
<i>For Class 56 Rating, Add</i>	854.40	
40 05 19 00-0664 EA 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,584.00	454.28
<i>For Class 52 Rating, Deduct</i>	-318.53	
<i>For Class 54 Rating, Add</i>	442.61	
<i>For Class 55 Rating, Add</i>	662.26	
<i>For Class 56 Rating, Add</i>	879.01	
40 05 19 00-0665 EA 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,672.47	458.07
<i>For Class 52 Rating, Deduct</i>	-327.63	
<i>For Class 54 Rating, Add</i>	455.09	
<i>For Class 55 Rating, Add</i>	680.85	
<i>For Class 56 Rating, Add</i>	903.62	
40 05 19 00-0666 EA 8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,760.94	461.85
<i>For Class 52 Rating, Deduct</i>	-336.73	
<i>For Class 54 Rating, Add</i>	467.57	
<i>For Class 55 Rating, Add</i>	699.43	
<i>For Class 56 Rating, Add</i>	928.23	
40 05 19 00-0667 EA 8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,849.41	465.64
<i>For Class 52 Rating, Deduct</i>	-345.83	
<i>For Class 54 Rating, Add</i>	480.05	
<i>For Class 55 Rating, Add</i>	718.02	
<i>For Class 56 Rating, Add</i>	952.85	
40 05 19 00-0668 EA 8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,937.88	469.42
<i>For Class 52 Rating, Deduct</i>	-354.93	
<i>For Class 54 Rating, Add</i>	492.53	
<i>For Class 55 Rating, Add</i>	736.61	
<i>For Class 56 Rating, Add</i>	977.46	
40 05 19 00-0669 EA 8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,026.34	473.21
<i>For Class 52 Rating, Deduct</i>	-364.03	
<i>For Class 54 Rating, Add</i>	505.01	
<i>For Class 55 Rating, Add</i>	755.19	
<i>For Class 56 Rating, Add</i>	1,002.07	
40 05 19 00-0670 EA 8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,114.82	476.99
<i>For Class 52 Rating, Deduct</i>	-373.13	
<i>For Class 54 Rating, Add</i>	517.49	
<i>For Class 55 Rating, Add</i>	773.78	
<i>For Class 56 Rating, Add</i>	1,026.69	
40 05 19 00-0671 EA 8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,203.29	480.78
<i>For Class 52 Rating, Deduct</i>	-382.23	
<i>For Class 54 Rating, Add</i>	529.97	
<i>For Class 55 Rating, Add</i>	792.37	
<i>For Class 56 Rating, Add</i>	1,051.30	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0672	EA		8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,291.76	484.57
			<i>For Class 52 Rating, Deduct</i>	-391.33	
			<i>For Class 54 Rating, Add</i>	542.45	
			<i>For Class 55 Rating, Add</i>	810.96	
			<i>For Class 56 Rating, Add</i>	1,075.91	
40 05 19 00-0673	EA		8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,380.23	488.35
			<i>For Class 52 Rating, Deduct</i>	-400.43	
			<i>For Class 54 Rating, Add</i>	554.92	
			<i>For Class 55 Rating, Add</i>	829.55	
			<i>For Class 56 Rating, Add</i>	1,100.53	
40 05 19 00-0674	EA		8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,468.69	492.14
			<i>For Class 52 Rating, Deduct</i>	-409.53	
			<i>For Class 54 Rating, Add</i>	567.40	
			<i>For Class 55 Rating, Add</i>	848.13	
			<i>For Class 56 Rating, Add</i>	1,125.14	
40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>					
40 05 19 00-0676	EA		10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,383.27	424.00
			<i>For Class 52 Rating, Deduct</i>	-81.49	
			<i>For Class 54 Rating, Add</i>	118.84	
			<i>For Class 55 Rating, Add</i>	180.63	
			<i>For Class 56 Rating, Add</i>	241.68	
40 05 19 00-0677	EA		10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,498.06	427.78
			<i>For Class 52 Rating, Deduct</i>	-93.49	
			<i>For Class 54 Rating, Add</i>	135.26	
			<i>For Class 55 Rating, Add</i>	205.08	
			<i>For Class 56 Rating, Add</i>	274.05	
40 05 19 00-0678	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,612.85	431.57
			<i>For Class 52 Rating, Deduct</i>	-105.49	
			<i>For Class 54 Rating, Add</i>	151.69	
			<i>For Class 55 Rating, Add</i>	229.54	
			<i>For Class 56 Rating, Add</i>	306.43	
40 05 19 00-0679	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,727.65	435.35
			<i>For Class 52 Rating, Deduct</i>	-117.48	
			<i>For Class 54 Rating, Add</i>	168.12	
			<i>For Class 55 Rating, Add</i>	254.00	
			<i>For Class 56 Rating, Add</i>	338.81	
40 05 19 00-0680	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,842.45	439.14
			<i>For Class 52 Rating, Deduct</i>	-129.48	
			<i>For Class 54 Rating, Add</i>	184.55	
			<i>For Class 55 Rating, Add</i>	278.46	
			<i>For Class 56 Rating, Add</i>	371.19	
40 05 19 00-0681	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,957.24	442.92
			<i>For Class 52 Rating, Deduct</i>	-141.48	
			<i>For Class 54 Rating, Add</i>	200.97	
			<i>For Class 55 Rating, Add</i>	302.92	
			<i>For Class 56 Rating, Add</i>	403.57	
40 05 19 00-0682	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,072.04	446.71
			<i>For Class 52 Rating, Deduct</i>	-153.47	
			<i>For Class 54 Rating, Add</i>	217.40	
			<i>For Class 55 Rating, Add</i>	327.37	
			<i>For Class 56 Rating, Add</i>	435.95	
40 05 19 00-0683	EA		10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,186.83	450.49
			<i>For Class 52 Rating, Deduct</i>	-165.47	
			<i>For Class 54 Rating, Add</i>	233.83	
			<i>For Class 55 Rating, Add</i>	351.83	
			<i>For Class 56 Rating, Add</i>	468.33	
40 05 19 00-0684	EA		10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,301.62	454.28
			<i>For Class 52 Rating, Deduct</i>	-177.46	
			<i>For Class 54 Rating, Add</i>	250.26	
			<i>For Class 55 Rating, Add</i>	376.29	
			<i>For Class 56 Rating, Add</i>	500.71	
40 05 19 00-0685	EA		10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,416.41	458.07
			<i>For Class 52 Rating, Deduct</i>	-189.46	
			<i>For Class 54 Rating, Add</i>	266.68	
			<i>For Class 55 Rating, Add</i>	400.75	
			<i>For Class 56 Rating, Add</i>	533.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0686 EA 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,531.21	461.85
<i>For Class 52 Rating, Deduct</i>	-201.46	
<i>For Class 54 Rating, Add</i>	283.11	
<i>For Class 55 Rating, Add</i>	425.20	
<i>For Class 56 Rating, Add</i>	565.46	
40 05 19 00-0687 EA 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,646.00	465.64
<i>For Class 52 Rating, Deduct</i>	-213.45	
<i>For Class 54 Rating, Add</i>	299.54	
<i>For Class 55 Rating, Add</i>	449.66	
<i>For Class 56 Rating, Add</i>	597.84	
40 05 19 00-0688 EA 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,760.80	469.42
<i>For Class 52 Rating, Deduct</i>	-225.45	
<i>For Class 54 Rating, Add</i>	315.97	
<i>For Class 55 Rating, Add</i>	474.12	
<i>For Class 56 Rating, Add</i>	630.22	
40 05 19 00-0689 EA 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,875.59	473.21
<i>For Class 52 Rating, Deduct</i>	-237.45	
<i>For Class 54 Rating, Add</i>	332.40	
<i>For Class 55 Rating, Add</i>	498.58	
<i>For Class 56 Rating, Add</i>	662.60	
40 05 19 00-0690 EA 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,990.39	476.99
<i>For Class 52 Rating, Deduct</i>	-249.44	
<i>For Class 54 Rating, Add</i>	348.82	
<i>For Class 55 Rating, Add</i>	523.04	
<i>For Class 56 Rating, Add</i>	694.98	
40 05 19 00-0691 EA 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,105.18	480.78
<i>For Class 52 Rating, Deduct</i>	-261.44	
<i>For Class 54 Rating, Add</i>	365.25	
<i>For Class 55 Rating, Add</i>	547.49	
<i>For Class 56 Rating, Add</i>	727.36	
40 05 19 00-0692 EA 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,219.97	484.57
<i>For Class 52 Rating, Deduct</i>	-273.44	
<i>For Class 54 Rating, Add</i>	381.68	
<i>For Class 55 Rating, Add</i>	571.95	
<i>For Class 56 Rating, Add</i>	759.74	
40 05 19 00-0693 EA 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,334.77	488.35
<i>For Class 52 Rating, Deduct</i>	-285.43	
<i>For Class 54 Rating, Add</i>	398.11	
<i>For Class 55 Rating, Add</i>	596.41	
<i>For Class 56 Rating, Add</i>	792.12	
40 05 19 00-0694 EA 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,449.56	492.14
<i>For Class 52 Rating, Deduct</i>	-297.43	
<i>For Class 54 Rating, Add</i>	414.53	
<i>For Class 55 Rating, Add</i>	620.87	
<i>For Class 56 Rating, Add</i>	824.49	
40 05 19 00-0695 EA 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,564.36	495.92
<i>For Class 52 Rating, Deduct</i>	-309.43	
<i>For Class 54 Rating, Add</i>	430.96	
<i>For Class 55 Rating, Add</i>	645.32	
<i>For Class 56 Rating, Add</i>	856.87	
40 05 19 00-0696 EA 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,679.15	499.71
<i>For Class 52 Rating, Deduct</i>	-321.42	
<i>For Class 54 Rating, Add</i>	447.39	
<i>For Class 55 Rating, Add</i>	669.78	
<i>For Class 56 Rating, Add</i>	889.25	
40 05 19 00-0697 EA 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,793.95	503.49
<i>For Class 52 Rating, Deduct</i>	-333.42	
<i>For Class 54 Rating, Add</i>	463.82	
<i>For Class 55 Rating, Add</i>	694.24	
<i>For Class 56 Rating, Add</i>	921.63	
40 05 19 00-0698 EA 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,908.74	507.28
<i>For Class 52 Rating, Deduct</i>	-345.41	
<i>For Class 54 Rating, Add</i>	480.24	
<i>For Class 55 Rating, Add</i>	718.70	
<i>For Class 56 Rating, Add</i>	954.01	
40 05 19 00-0699 EA 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,023.54	511.07
<i>For Class 52 Rating, Deduct</i>	-357.41	
<i>For Class 54 Rating, Add</i>	496.67	
<i>For Class 55 Rating, Add</i>	743.15	
<i>For Class 56 Rating, Add</i>	986.39	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0700	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,138.34	514.85
			<i>For Class 52 Rating, Deduct</i>	-369.41	
			<i>For Class 54 Rating, Add</i>	513.10	
			<i>For Class 55 Rating, Add</i>	767.61	
			<i>For Class 56 Rating, Add</i>	1,018.77	
40 05 19 00-0701	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,253.13	518.64
			<i>For Class 52 Rating, Deduct</i>	-381.40	
			<i>For Class 54 Rating, Add</i>	529.53	
			<i>For Class 55 Rating, Add</i>	792.07	
			<i>For Class 56 Rating, Add</i>	1,051.15	
40 05 19 00-0702	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,367.93	522.42
			<i>For Class 52 Rating, Deduct</i>	-393.40	
			<i>For Class 54 Rating, Add</i>	545.95	
			<i>For Class 55 Rating, Add</i>	816.53	
			<i>For Class 56 Rating, Add</i>	1,083.53	
40 05 19 00-0703	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,482.72	526.21
			<i>For Class 52 Rating, Deduct</i>	-405.40	
			<i>For Class 54 Rating, Add</i>	562.38	
			<i>For Class 55 Rating, Add</i>	840.99	
			<i>For Class 56 Rating, Add</i>	1,115.90	
40 05 19 00-0704	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,597.52	529.99
			<i>For Class 52 Rating, Deduct</i>	-417.39	
			<i>For Class 54 Rating, Add</i>	578.81	
			<i>For Class 55 Rating, Add</i>	865.44	
			<i>For Class 56 Rating, Add</i>	1,148.28	
40 05 19 00-0705	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,712.30	533.78
			<i>For Class 52 Rating, Deduct</i>	-429.39	
			<i>For Class 54 Rating, Add</i>	595.24	
			<i>For Class 55 Rating, Add</i>	889.90	
			<i>For Class 56 Rating, Add</i>	1,180.66	
40 05 19 00-0706	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,827.10	537.57
			<i>For Class 52 Rating, Deduct</i>	-441.39	
			<i>For Class 54 Rating, Add</i>	611.66	
			<i>For Class 55 Rating, Add</i>	914.36	
			<i>For Class 56 Rating, Add</i>	1,213.04	
40 05 19 00-0707	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,941.89	541.35
			<i>For Class 52 Rating, Deduct</i>	-453.38	
			<i>For Class 54 Rating, Add</i>	628.09	
			<i>For Class 55 Rating, Add</i>	938.82	
			<i>For Class 56 Rating, Add</i>	1,245.42	
40 05 19 00-0708	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,056.69	545.14
			<i>For Class 52 Rating, Deduct</i>	-465.38	
			<i>For Class 54 Rating, Add</i>	644.52	
			<i>For Class 55 Rating, Add</i>	963.27	
			<i>For Class 56 Rating, Add</i>	1,277.80	
40 05 19 00-0709	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,171.48	548.92
			<i>For Class 52 Rating, Deduct</i>	-477.38	
			<i>For Class 54 Rating, Add</i>	660.95	
			<i>For Class 55 Rating, Add</i>	987.73	
			<i>For Class 56 Rating, Add</i>	1,310.18	
40 05 19 00-0710	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,286.28	552.71
			<i>For Class 52 Rating, Deduct</i>	-489.37	
			<i>For Class 54 Rating, Add</i>	677.38	
			<i>For Class 55 Rating, Add</i>	1,012.19	
			<i>For Class 56 Rating, Add</i>	1,342.56	
40 05 19 00-0711	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,401.08	556.49
			<i>For Class 52 Rating, Deduct</i>	-501.37	
			<i>For Class 54 Rating, Add</i>	693.80	
			<i>For Class 55 Rating, Add</i>	1,036.65	
			<i>For Class 56 Rating, Add</i>	1,374.93	
40 05 19 00-0712	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,515.86	560.28
			<i>For Class 52 Rating, Deduct</i>	-513.36	
			<i>For Class 54 Rating, Add</i>	710.23	
			<i>For Class 55 Rating, Add</i>	1,061.10	
			<i>For Class 56 Rating, Add</i>	1,407.31	
40 05 19 00-0713	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,630.66	564.07
			<i>For Class 52 Rating, Deduct</i>	-525.36	
			<i>For Class 54 Rating, Add</i>	726.66	
			<i>For Class 55 Rating, Add</i>	1,085.56	
			<i>For Class 56 Rating, Add</i>	1,439.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0714 EA 10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,745.45	567.85
For Class 52 Rating, Deduct	-537.36	
For Class 54 Rating, Add	743.09	
For Class 55 Rating, Add	1,110.02	
For Class 56 Rating, Add	1,472.07	
40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0716 EA 12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,784.56	529.99
For Class 52 Rating, Deduct	-107.97	
For Class 54 Rating, Add	156.87	
For Class 55 Rating, Add	238.15	
For Class 56 Rating, Add	318.46	
40 05 19 00-0717 EA 12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,927.55	533.78
For Class 52 Rating, Deduct	-123.07	
For Class 54 Rating, Add	177.52	
For Class 55 Rating, Add	268.90	
For Class 56 Rating, Add	359.16	
40 05 19 00-0718 EA 12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,070.55	537.57
For Class 52 Rating, Deduct	-138.17	
For Class 54 Rating, Add	198.18	
For Class 55 Rating, Add	299.65	
For Class 56 Rating, Add	399.86	
40 05 19 00-0719 EA 12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,213.55	541.35
For Class 52 Rating, Deduct	-153.27	
For Class 54 Rating, Add	218.84	
For Class 55 Rating, Add	330.40	
For Class 56 Rating, Add	440.56	
40 05 19 00-0720 EA 12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,356.55	545.14
For Class 52 Rating, Deduct	-168.36	
For Class 54 Rating, Add	239.50	
For Class 55 Rating, Add	361.14	
For Class 56 Rating, Add	481.26	
40 05 19 00-0721 EA 12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,499.54	548.92
For Class 52 Rating, Deduct	-183.46	
For Class 54 Rating, Add	260.16	
For Class 55 Rating, Add	391.89	
For Class 56 Rating, Add	521.95	
40 05 19 00-0722 EA 12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,642.55	552.71
For Class 52 Rating, Deduct	-198.56	
For Class 54 Rating, Add	280.82	
For Class 55 Rating, Add	422.64	
For Class 56 Rating, Add	562.66	
40 05 19 00-0723 EA 12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,785.55	556.49
For Class 52 Rating, Deduct	-213.66	
For Class 54 Rating, Add	301.47	
For Class 55 Rating, Add	453.38	
For Class 56 Rating, Add	603.35	
40 05 19 00-0724 EA 12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,928.54	560.28
For Class 52 Rating, Deduct	-228.76	
For Class 54 Rating, Add	322.13	
For Class 55 Rating, Add	484.13	
For Class 56 Rating, Add	644.05	
40 05 19 00-0725 EA 12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,071.55	564.07
For Class 52 Rating, Deduct	-243.86	
For Class 54 Rating, Add	342.79	
For Class 55 Rating, Add	514.88	
For Class 56 Rating, Add	684.75	
40 05 19 00-0726 EA 12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,214.54	567.85
For Class 52 Rating, Deduct	-258.96	
For Class 54 Rating, Add	363.45	
For Class 55 Rating, Add	545.63	
For Class 56 Rating, Add	725.45	
40 05 19 00-0727 EA 12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,357.54	571.64
For Class 52 Rating, Deduct	-274.06	
For Class 54 Rating, Add	384.11	
For Class 55 Rating, Add	576.37	
For Class 56 Rating, Add	766.15	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0728	EA		12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,500.54	575.42
			<i>For Class 52 Rating, Deduct</i>	-289.16	
			<i>For Class 54 Rating, Add</i>	404.77	
			<i>For Class 55 Rating, Add</i>	607.12	
			<i>For Class 56 Rating, Add</i>	806.85	
40 05 19 00-0729	EA		12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,643.54	579.21
			<i>For Class 52 Rating, Deduct</i>	-304.25	
			<i>For Class 54 Rating, Add</i>	425.42	
			<i>For Class 55 Rating, Add</i>	637.87	
			<i>For Class 56 Rating, Add</i>	847.55	
40 05 19 00-0730	EA		12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,786.53	582.99
			<i>For Class 52 Rating, Deduct</i>	-319.35	
			<i>For Class 54 Rating, Add</i>	446.08	
			<i>For Class 55 Rating, Add</i>	668.62	
			<i>For Class 56 Rating, Add</i>	888.25	
40 05 19 00-0731	EA		12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,929.54	586.78
			<i>For Class 52 Rating, Deduct</i>	-334.45	
			<i>For Class 54 Rating, Add</i>	466.74	
			<i>For Class 55 Rating, Add</i>	699.36	
			<i>For Class 56 Rating, Add</i>	928.95	
40 05 19 00-0732	EA		12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,072.53	590.56
			<i>For Class 52 Rating, Deduct</i>	-349.55	
			<i>For Class 54 Rating, Add</i>	487.40	
			<i>For Class 55 Rating, Add</i>	730.11	
			<i>For Class 56 Rating, Add</i>	969.65	
40 05 19 00-0733	EA		12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,215.53	594.35
			<i>For Class 52 Rating, Deduct</i>	-364.65	
			<i>For Class 54 Rating, Add</i>	508.06	
			<i>For Class 55 Rating, Add</i>	760.86	
			<i>For Class 56 Rating, Add</i>	1,010.34	
40 05 19 00-0734	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,358.54	598.14
			<i>For Class 52 Rating, Deduct</i>	-379.75	
			<i>For Class 54 Rating, Add</i>	528.72	
			<i>For Class 55 Rating, Add</i>	791.61	
			<i>For Class 56 Rating, Add</i>	1,051.05	
40 05 19 00-0735	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,501.54	601.92
			<i>For Class 52 Rating, Deduct</i>	-394.85	
			<i>For Class 54 Rating, Add</i>	549.37	
			<i>For Class 55 Rating, Add</i>	822.35	
			<i>For Class 56 Rating, Add</i>	1,091.74	
40 05 19 00-0736	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,644.54	605.71
			<i>For Class 52 Rating, Deduct</i>	-409.95	
			<i>For Class 54 Rating, Add</i>	570.03	
			<i>For Class 55 Rating, Add</i>	853.10	
			<i>For Class 56 Rating, Add</i>	1,132.44	
40 05 19 00-0737	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,787.54	609.49
			<i>For Class 52 Rating, Deduct</i>	-425.05	
			<i>For Class 54 Rating, Add</i>	590.69	
			<i>For Class 55 Rating, Add</i>	883.85	
			<i>For Class 56 Rating, Add</i>	1,173.14	
40 05 19 00-0738	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,930.54	613.28
			<i>For Class 52 Rating, Deduct</i>	-440.15	
			<i>For Class 54 Rating, Add</i>	611.35	
			<i>For Class 55 Rating, Add</i>	914.60	
			<i>For Class 56 Rating, Add</i>	1,213.84	
40 05 19 00-0739	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,073.53	617.06
			<i>For Class 52 Rating, Deduct</i>	-455.24	
			<i>For Class 54 Rating, Add</i>	632.01	
			<i>For Class 55 Rating, Add</i>	945.34	
			<i>For Class 56 Rating, Add</i>	1,254.54	
40 05 19 00-0740	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,216.54	620.85
			<i>For Class 52 Rating, Deduct</i>	-470.34	
			<i>For Class 54 Rating, Add</i>	652.67	
			<i>For Class 55 Rating, Add</i>	976.09	
			<i>For Class 56 Rating, Add</i>	1,295.24	
40 05 19 00-0741	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,359.53	624.64
			<i>For Class 52 Rating, Deduct</i>	-485.44	
			<i>For Class 54 Rating, Add</i>	673.32	
			<i>For Class 55 Rating, Add</i>	1,006.84	
			<i>For Class 56 Rating, Add</i>	1,335.94	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0742	EA			12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,502.53	628.42
				<i>For Class 52 Rating, Deduct</i>	-500.54	
				<i>For Class 54 Rating, Add</i>	693.98	
				<i>For Class 55 Rating, Add</i>	1,037.58	
				<i>For Class 56 Rating, Add</i>	1,376.64	
40 05 19 00-0743	EA			12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,645.54	632.21
				<i>For Class 52 Rating, Deduct</i>	-515.64	
				<i>For Class 54 Rating, Add</i>	714.64	
				<i>For Class 55 Rating, Add</i>	1,068.33	
				<i>For Class 56 Rating, Add</i>	1,417.34	
40 05 19 00-0744	EA			12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,788.53	635.99
				<i>For Class 52 Rating, Deduct</i>	-530.74	
				<i>For Class 54 Rating, Add</i>	735.30	
				<i>For Class 55 Rating, Add</i>	1,099.08	
				<i>For Class 56 Rating, Add</i>	1,458.04	
40 05 19 00-0745	EA			12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,931.53	639.78
				<i>For Class 52 Rating, Deduct</i>	-545.84	
				<i>For Class 54 Rating, Add</i>	755.96	
				<i>For Class 55 Rating, Add</i>	1,129.83	
				<i>For Class 56 Rating, Add</i>	1,498.73	
40 05 19 00-0746	EA			12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,074.53	643.56
				<i>For Class 52 Rating, Deduct</i>	-560.94	
				<i>For Class 54 Rating, Add</i>	776.62	
				<i>For Class 55 Rating, Add</i>	1,160.58	
				<i>For Class 56 Rating, Add</i>	1,539.44	
40 05 19 00-0747	EA			12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,217.53	647.35
				<i>For Class 52 Rating, Deduct</i>	-576.04	
				<i>For Class 54 Rating, Add</i>	797.27	
				<i>For Class 55 Rating, Add</i>	1,191.32	
				<i>For Class 56 Rating, Add</i>	1,580.13	
40 05 19 00-0748	EA			12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,360.52	651.14
				<i>For Class 52 Rating, Deduct</i>	-591.13	
				<i>For Class 54 Rating, Add</i>	817.93	
				<i>For Class 55 Rating, Add</i>	1,222.07	
				<i>For Class 56 Rating, Add</i>	1,620.83	
40 05 19 00-0749	EA			12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,503.53	654.92
				<i>For Class 52 Rating, Deduct</i>	-606.23	
				<i>For Class 54 Rating, Add</i>	838.59	
				<i>For Class 55 Rating, Add</i>	1,252.82	
				<i>For Class 56 Rating, Add</i>	1,661.53	
40 05 19 00-0750	EA			12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,646.52	658.71
				<i>For Class 52 Rating, Deduct</i>	-621.33	
				<i>For Class 54 Rating, Add</i>	859.25	
				<i>For Class 55 Rating, Add</i>	1,283.56	
				<i>For Class 56 Rating, Add</i>	1,702.23	
40 05 19 00-0751	EA			12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,789.52	662.49
				<i>For Class 52 Rating, Deduct</i>	-636.43	
				<i>For Class 54 Rating, Add</i>	879.91	
				<i>For Class 55 Rating, Add</i>	1,314.31	
				<i>For Class 56 Rating, Add</i>	1,742.93	
40 05 19 00-0752	EA			12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,932.52	666.28
				<i>For Class 52 Rating, Deduct</i>	-651.53	
				<i>For Class 54 Rating, Add</i>	900.57	
				<i>For Class 55 Rating, Add</i>	1,345.06	
				<i>For Class 56 Rating, Add</i>	1,783.63	
40 05 19 00-0753	EA			12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,075.52	670.06
				<i>For Class 52 Rating, Deduct</i>	-666.63	
				<i>For Class 54 Rating, Add</i>	921.22	
				<i>For Class 55 Rating, Add</i>	1,375.81	
				<i>For Class 56 Rating, Add</i>	1,824.33	
40 05 19 00-0754	EA			12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,218.52	673.85
				<i>For Class 52 Rating, Deduct</i>	-681.73	
				<i>For Class 54 Rating, Add</i>	941.88	
				<i>For Class 55 Rating, Add</i>	1,406.55	
				<i>For Class 56 Rating, Add</i>	1,865.03	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0756	EA		14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,430.28	635.99
			<i>For Class 52 Rating, Deduct</i>	-161.33	
			<i>For Class 54 Rating, Add</i>	231.56	
			<i>For Class 55 Rating, Add</i>	350.19	
			<i>For Class 56 Rating, Add</i>	467.35	
40 05 19 00-0757	EA		14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,603.37	639.78
			<i>For Class 52 Rating, Deduct</i>	-179.74	
			<i>For Class 54 Rating, Add</i>	256.73	
			<i>For Class 55 Rating, Add</i>	387.65	
			<i>For Class 56 Rating, Add</i>	516.93	
40 05 19 00-0758	EA		14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,776.45	643.56
			<i>For Class 52 Rating, Deduct</i>	-198.15	
			<i>For Class 54 Rating, Add</i>	281.90	
			<i>For Class 55 Rating, Add</i>	425.10	
			<i>For Class 56 Rating, Add</i>	566.50	
40 05 19 00-0759	EA		14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,949.54	647.35
			<i>For Class 52 Rating, Deduct</i>	-216.56	
			<i>For Class 54 Rating, Add</i>	307.08	
			<i>For Class 55 Rating, Add</i>	462.56	
			<i>For Class 56 Rating, Add</i>	616.08	
40 05 19 00-0760	EA		14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,122.61	651.14
			<i>For Class 52 Rating, Deduct</i>	-234.96	
			<i>For Class 54 Rating, Add</i>	332.24	
			<i>For Class 55 Rating, Add</i>	500.01	
			<i>For Class 56 Rating, Add</i>	665.65	
40 05 19 00-0761	EA		14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,295.70	654.92
			<i>For Class 52 Rating, Deduct</i>	-253.37	
			<i>For Class 54 Rating, Add</i>	357.42	
			<i>For Class 55 Rating, Add</i>	537.47	
			<i>For Class 56 Rating, Add</i>	715.22	
40 05 19 00-0762	EA		14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,468.78	658.71
			<i>For Class 52 Rating, Deduct</i>	-271.78	
			<i>For Class 54 Rating, Add</i>	382.59	
			<i>For Class 55 Rating, Add</i>	574.93	
			<i>For Class 56 Rating, Add</i>	764.80	
40 05 19 00-0763	EA		14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,641.87	662.49
			<i>For Class 52 Rating, Deduct</i>	-290.19	
			<i>For Class 54 Rating, Add</i>	407.76	
			<i>For Class 55 Rating, Add</i>	612.38	
			<i>For Class 56 Rating, Add</i>	814.37	
40 05 19 00-0764	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,814.95	666.28
			<i>For Class 52 Rating, Deduct</i>	-308.60	
			<i>For Class 54 Rating, Add</i>	432.93	
			<i>For Class 55 Rating, Add</i>	649.84	
			<i>For Class 56 Rating, Add</i>	863.95	
40 05 19 00-0765	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,988.04	670.06
			<i>For Class 52 Rating, Deduct</i>	-327.01	
			<i>For Class 54 Rating, Add</i>	458.10	
			<i>For Class 55 Rating, Add</i>	687.30	
			<i>For Class 56 Rating, Add</i>	913.52	
40 05 19 00-0766	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,161.12	673.85
			<i>For Class 52 Rating, Deduct</i>	-345.41	
			<i>For Class 54 Rating, Add</i>	483.27	
			<i>For Class 55 Rating, Add</i>	724.75	
			<i>For Class 56 Rating, Add</i>	963.09	
40 05 19 00-0767	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,334.20	677.64
			<i>For Class 52 Rating, Deduct</i>	-363.82	
			<i>For Class 54 Rating, Add</i>	508.44	
			<i>For Class 55 Rating, Add</i>	762.21	
			<i>For Class 56 Rating, Add</i>	1,012.67	
40 05 19 00-0768	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,507.29	681.42
			<i>For Class 52 Rating, Deduct</i>	-382.23	
			<i>For Class 54 Rating, Add</i>	533.61	
			<i>For Class 55 Rating, Add</i>	799.67	
			<i>For Class 56 Rating, Add</i>	1,062.24	
40 05 19 00-0769	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,680.37	685.21
			<i>For Class 52 Rating, Deduct</i>	-400.64	
			<i>For Class 54 Rating, Add</i>	558.79	
			<i>For Class 55 Rating, Add</i>	837.12	
			<i>For Class 56 Rating, Add</i>	1,111.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0770 EA 14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,853.46	688.99
<i>For Class 52 Rating, Deduct</i>	-419.05	
<i>For Class 54 Rating, Add</i>	583.96	
<i>For Class 55 Rating, Add</i>	874.58	
<i>For Class 56 Rating, Add</i>	1,161.39	
40 05 19 00-0771 EA 14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,026.55	692.78
<i>For Class 52 Rating, Deduct</i>	-437.46	
<i>For Class 54 Rating, Add</i>	609.13	
<i>For Class 55 Rating, Add</i>	912.04	
<i>For Class 56 Rating, Add</i>	1,210.97	
40 05 19 00-0772 EA 14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,199.64	696.56
<i>For Class 52 Rating, Deduct</i>	-455.87	
<i>For Class 54 Rating, Add</i>	634.30	
<i>For Class 55 Rating, Add</i>	949.49	
<i>For Class 56 Rating, Add</i>	1,260.54	
40 05 19 00-0773 EA 14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,372.71	700.35
<i>For Class 52 Rating, Deduct</i>	-474.27	
<i>For Class 54 Rating, Add</i>	659.47	
<i>For Class 55 Rating, Add</i>	986.95	
<i>For Class 56 Rating, Add</i>	1,310.11	
40 05 19 00-0774 EA 14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,545.80	704.13
<i>For Class 52 Rating, Deduct</i>	-492.68	
<i>For Class 54 Rating, Add</i>	684.64	
<i>For Class 55 Rating, Add</i>	1,024.40	
<i>For Class 56 Rating, Add</i>	1,359.69	
40 05 19 00-0775 EA 14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,718.88	707.92
<i>For Class 52 Rating, Deduct</i>	-511.09	
<i>For Class 54 Rating, Add</i>	709.81	
<i>For Class 55 Rating, Add</i>	1,061.86	
<i>For Class 56 Rating, Add</i>	1,409.26	
40 05 19 00-0776 EA 14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,891.97	711.71
<i>For Class 52 Rating, Deduct</i>	-529.50	
<i>For Class 54 Rating, Add</i>	734.98	
<i>For Class 55 Rating, Add</i>	1,099.32	
<i>For Class 56 Rating, Add</i>	1,458.84	
40 05 19 00-0777 EA 14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,065.06	715.49
<i>For Class 52 Rating, Deduct</i>	-547.91	
<i>For Class 54 Rating, Add</i>	760.15	
<i>For Class 55 Rating, Add</i>	1,136.77	
<i>For Class 56 Rating, Add</i>	1,508.41	
40 05 19 00-0778 EA 14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,238.14	719.28
<i>For Class 52 Rating, Deduct</i>	-566.32	
<i>For Class 54 Rating, Add</i>	785.33	
<i>For Class 55 Rating, Add</i>	1,174.23	
<i>For Class 56 Rating, Add</i>	1,557.99	
40 05 19 00-0779 EA 14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,411.22	723.06
<i>For Class 52 Rating, Deduct</i>	-584.72	
<i>For Class 54 Rating, Add</i>	810.50	
<i>For Class 55 Rating, Add</i>	1,211.69	
<i>For Class 56 Rating, Add</i>	1,607.56	
40 05 19 00-0780 EA 14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,584.30	726.85
<i>For Class 52 Rating, Deduct</i>	-603.13	
<i>For Class 54 Rating, Add</i>	835.67	
<i>For Class 55 Rating, Add</i>	1,249.14	
<i>For Class 56 Rating, Add</i>	1,657.13	
40 05 19 00-0781 EA 14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,757.39	730.63
<i>For Class 52 Rating, Deduct</i>	-621.54	
<i>For Class 54 Rating, Add</i>	860.84	
<i>For Class 55 Rating, Add</i>	1,286.60	
<i>For Class 56 Rating, Add</i>	1,706.71	
40 05 19 00-0782 EA 14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,930.47	734.42
<i>For Class 52 Rating, Deduct</i>	-639.95	
<i>For Class 54 Rating, Add</i>	886.01	
<i>For Class 55 Rating, Add</i>	1,324.06	
<i>For Class 56 Rating, Add</i>	1,756.28	
40 05 19 00-0783 EA 14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,103.56	738.21
<i>For Class 52 Rating, Deduct</i>	-658.36	
<i>For Class 54 Rating, Add</i>	911.18	
<i>For Class 55 Rating, Add</i>	1,361.51	
<i>For Class 56 Rating, Add</i>	1,805.86	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0784	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,276.64	741.99
			<i>For Class 52 Rating, Deduct</i>	-676.77	
			<i>For Class 54 Rating, Add</i>	936.35	
			<i>For Class 55 Rating, Add</i>	1,398.97	
			<i>For Class 56 Rating, Add</i>	1,855.43	
40 05 19 00-0785	EA		14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,449.73	745.78
			<i>For Class 52 Rating, Deduct</i>	-695.17	
			<i>For Class 54 Rating, Add</i>	961.52	
			<i>For Class 55 Rating, Add</i>	1,436.43	
			<i>For Class 56 Rating, Add</i>	1,905.01	
40 05 19 00-0786	EA		14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,622.80	749.56
			<i>For Class 52 Rating, Deduct</i>	-713.58	
			<i>For Class 54 Rating, Add</i>	986.69	
			<i>For Class 55 Rating, Add</i>	1,473.88	
			<i>For Class 56 Rating, Add</i>	1,954.58	
40 05 19 00-0787	EA		14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,795.89	753.35
			<i>For Class 52 Rating, Deduct</i>	-731.99	
			<i>For Class 54 Rating, Add</i>	1,011.86	
			<i>For Class 55 Rating, Add</i>	1,511.34	
			<i>For Class 56 Rating, Add</i>	2,004.15	
40 05 19 00-0788	EA		14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,968.98	757.13
			<i>For Class 52 Rating, Deduct</i>	-750.40	
			<i>For Class 54 Rating, Add</i>	1,037.04	
			<i>For Class 55 Rating, Add</i>	1,548.79	
			<i>For Class 56 Rating, Add</i>	2,053.73	
40 05 19 00-0789	EA		14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,142.06	760.92
			<i>For Class 52 Rating, Deduct</i>	-768.81	
			<i>For Class 54 Rating, Add</i>	1,062.21	
			<i>For Class 55 Rating, Add</i>	1,586.25	
			<i>For Class 56 Rating, Add</i>	2,103.30	
40 05 19 00-0790	EA		14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,315.15	764.71
			<i>For Class 52 Rating, Deduct</i>	-787.22	
			<i>For Class 54 Rating, Add</i>	1,087.38	
			<i>For Class 55 Rating, Add</i>	1,623.71	
			<i>For Class 56 Rating, Add</i>	2,152.88	
40 05 19 00-0791	EA		14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,488.23	768.49
			<i>For Class 52 Rating, Deduct</i>	-805.62	
			<i>For Class 54 Rating, Add</i>	1,112.55	
			<i>For Class 55 Rating, Add</i>	1,661.16	
			<i>For Class 56 Rating, Add</i>	2,202.45	
40 05 19 00-0792	EA		14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,661.31	772.28
			<i>For Class 52 Rating, Deduct</i>	-824.03	
			<i>For Class 54 Rating, Add</i>	1,137.72	
			<i>For Class 55 Rating, Add</i>	1,698.62	
			<i>For Class 56 Rating, Add</i>	2,252.03	
40 05 19 00-0793	EA		14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,834.39	776.06
			<i>For Class 52 Rating, Deduct</i>	-842.44	
			<i>For Class 54 Rating, Add</i>	1,162.89	
			<i>For Class 55 Rating, Add</i>	1,736.07	
			<i>For Class 56 Rating, Add</i>	2,301.60	

40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)

40 05 19 00-0795	EA		16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,836.83	726.85
			<i>For Class 52 Rating, Deduct</i>	-190.91	
			<i>For Class 54 Rating, Add</i>	273.55	
			<i>For Class 55 Rating, Add</i>	413.46	
			<i>For Class 56 Rating, Add</i>	551.63	
40 05 19 00-0796	EA		16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,038.12	730.63
			<i>For Class 52 Rating, Deduct</i>	-212.42	
			<i>For Class 54 Rating, Add</i>	302.95	
			<i>For Class 55 Rating, Add</i>	457.20	
			<i>For Class 56 Rating, Add</i>	609.52	
40 05 19 00-0797	EA		16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,239.40	734.42
			<i>For Class 52 Rating, Deduct</i>	-233.93	
			<i>For Class 54 Rating, Add</i>	332.35	
			<i>For Class 55 Rating, Add</i>	500.95	
			<i>For Class 56 Rating, Add</i>	667.42	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19 40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0798 EA 16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,440.70	738.21
<i>For Class 52 Rating, Deduct</i>	-255.44	
<i>For Class 54 Rating, Add</i>	361.75	
<i>For Class 55 Rating, Add</i>	544.69	
<i>For Class 56 Rating, Add</i>	725.32	
40 05 19 00-0799 EA 16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,641.98	741.99
<i>For Class 52 Rating, Deduct</i>	-276.95	
<i>For Class 54 Rating, Add</i>	391.15	
<i>For Class 55 Rating, Add</i>	588.44	
<i>For Class 56 Rating, Add</i>	783.21	
40 05 19 00-0800 EA 16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,843.27	745.78
<i>For Class 52 Rating, Deduct</i>	-298.46	
<i>For Class 54 Rating, Add</i>	420.55	
<i>For Class 55 Rating, Add</i>	632.19	
<i>For Class 56 Rating, Add</i>	841.10	
40 05 19 00-0801 EA 16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,044.56	749.56
<i>For Class 52 Rating, Deduct</i>	-319.97	
<i>For Class 54 Rating, Add</i>	449.96	
<i>For Class 55 Rating, Add</i>	675.93	
<i>For Class 56 Rating, Add</i>	899.00	
40 05 19 00-0802 EA 16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,245.85	753.35
<i>For Class 52 Rating, Deduct</i>	-341.49	
<i>For Class 54 Rating, Add</i>	479.36	
<i>For Class 55 Rating, Add</i>	719.68	
<i>For Class 56 Rating, Add</i>	956.89	
40 05 19 00-0803 EA 16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,447.14	757.13
<i>For Class 52 Rating, Deduct</i>	-363.00	
<i>For Class 54 Rating, Add</i>	508.76	
<i>For Class 55 Rating, Add</i>	763.42	
<i>For Class 56 Rating, Add</i>	1,014.79	
40 05 19 00-0804 EA 16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,629.62	760.92
<i>For Class 52 Rating, Deduct</i>	-382.44	
<i>For Class 54 Rating, Add</i>	535.34	
<i>For Class 55 Rating, Add</i>	802.98	
<i>For Class 56 Rating, Add</i>	1,067.13	
40 05 19 00-0805 EA 16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,849.72	764.71
<i>For Class 52 Rating, Deduct</i>	-406.02	
<i>For Class 54 Rating, Add</i>	567.56	
<i>For Class 55 Rating, Add</i>	850.92	
<i>For Class 56 Rating, Add</i>	1,130.58	
40 05 19 00-0806 EA 16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,051.00	768.49
<i>For Class 52 Rating, Deduct</i>	-427.53	
<i>For Class 54 Rating, Add</i>	596.97	
<i>For Class 55 Rating, Add</i>	894.66	
<i>For Class 56 Rating, Add</i>	1,188.47	
40 05 19 00-0807 EA 16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,252.29	772.28
<i>For Class 52 Rating, Deduct</i>	-449.04	
<i>For Class 54 Rating, Add</i>	626.37	
<i>For Class 55 Rating, Add</i>	938.41	
<i>For Class 56 Rating, Add</i>	1,246.36	
40 05 19 00-0808 EA 16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,453.58	776.06
<i>For Class 52 Rating, Deduct</i>	-470.55	
<i>For Class 54 Rating, Add</i>	655.77	
<i>For Class 55 Rating, Add</i>	982.15	
<i>For Class 56 Rating, Add</i>	1,304.26	
40 05 19 00-0809 EA 16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,654.87	779.85
<i>For Class 52 Rating, Deduct</i>	-492.06	
<i>For Class 54 Rating, Add</i>	685.17	
<i>For Class 55 Rating, Add</i>	1,025.90	
<i>For Class 56 Rating, Add</i>	1,362.15	
40 05 19 00-0810 EA 16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,856.16	783.63
<i>For Class 52 Rating, Deduct</i>	-513.57	
<i>For Class 54 Rating, Add</i>	714.57	
<i>For Class 55 Rating, Add</i>	1,069.65	
<i>For Class 56 Rating, Add</i>	1,420.05	
40 05 19 00-0811 EA 16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,057.46	787.42
<i>For Class 52 Rating, Deduct</i>	-535.08	
<i>For Class 54 Rating, Add</i>	743.98	
<i>For Class 55 Rating, Add</i>	1,113.39	
<i>For Class 56 Rating, Add</i>	1,477.95	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0812	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,258.75	791.21
			<i>For Class 52 Rating, Deduct</i>	-556.59	
			<i>For Class 54 Rating, Add</i>	773.38	
			<i>For Class 55 Rating, Add</i>	1,157.14	
			<i>For Class 56 Rating, Add</i>	1,535.84	
40 05 19 00-0813	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,460.03	794.99
			<i>For Class 52 Rating, Deduct</i>	-578.10	
			<i>For Class 54 Rating, Add</i>	802.78	
			<i>For Class 55 Rating, Add</i>	1,200.88	
			<i>For Class 56 Rating, Add</i>	1,593.73	
40 05 19 00-0814	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,661.33	798.78
			<i>For Class 52 Rating, Deduct</i>	-599.62	
			<i>For Class 54 Rating, Add</i>	832.18	
			<i>For Class 55 Rating, Add</i>	1,244.63	
			<i>For Class 56 Rating, Add</i>	1,651.63	
40 05 19 00-0815	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,862.61	802.56
			<i>For Class 52 Rating, Deduct</i>	-621.13	
			<i>For Class 54 Rating, Add</i>	861.58	
			<i>For Class 55 Rating, Add</i>	1,288.38	
			<i>For Class 56 Rating, Add</i>	1,709.52	
40 05 19 00-0816	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,063.90	806.35
			<i>For Class 52 Rating, Deduct</i>	-642.64	
			<i>For Class 54 Rating, Add</i>	890.98	
			<i>For Class 55 Rating, Add</i>	1,332.12	
			<i>For Class 56 Rating, Add</i>	1,767.42	
40 05 19 00-0817	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,265.19	810.13
			<i>For Class 52 Rating, Deduct</i>	-664.15	
			<i>For Class 54 Rating, Add</i>	920.39	
			<i>For Class 55 Rating, Add</i>	1,375.87	
			<i>For Class 56 Rating, Add</i>	1,825.31	
40 05 19 00-0818	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,466.48	813.92
			<i>For Class 52 Rating, Deduct</i>	-685.66	
			<i>For Class 54 Rating, Add</i>	949.79	
			<i>For Class 55 Rating, Add</i>	1,419.61	
			<i>For Class 56 Rating, Add</i>	1,883.21	
40 05 19 00-0819	EA		16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,667.76	817.71
			<i>For Class 52 Rating, Deduct</i>	-707.17	
			<i>For Class 54 Rating, Add</i>	979.19	
			<i>For Class 55 Rating, Add</i>	1,463.36	
			<i>For Class 56 Rating, Add</i>	1,941.10	
40 05 19 00-0820	EA		16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,869.06	821.49
			<i>For Class 52 Rating, Deduct</i>	-728.68	
			<i>For Class 54 Rating, Add</i>	1,008.59	
			<i>For Class 55 Rating, Add</i>	1,507.11	
			<i>For Class 56 Rating, Add</i>	1,999.00	
40 05 19 00-0821	EA		16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,070.34	825.28
			<i>For Class 52 Rating, Deduct</i>	-750.19	
			<i>For Class 54 Rating, Add</i>	1,037.99	
			<i>For Class 55 Rating, Add</i>	1,550.85	
			<i>For Class 56 Rating, Add</i>	2,056.89	
40 05 19 00-0822	EA		16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,271.63	829.06
			<i>For Class 52 Rating, Deduct</i>	-771.70	
			<i>For Class 54 Rating, Add</i>	1,067.39	
			<i>For Class 55 Rating, Add</i>	1,594.60	
			<i>For Class 56 Rating, Add</i>	2,114.79	
40 05 19 00-0823	EA		16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,472.93	832.85
			<i>For Class 52 Rating, Deduct</i>	-793.21	
			<i>For Class 54 Rating, Add</i>	1,096.80	
			<i>For Class 55 Rating, Add</i>	1,638.35	
			<i>For Class 56 Rating, Add</i>	2,172.68	
40 05 19 00-0824	EA		16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,674.21	836.63
			<i>For Class 52 Rating, Deduct</i>	-814.72	
			<i>For Class 54 Rating, Add</i>	1,126.20	
			<i>For Class 55 Rating, Add</i>	1,682.09	
			<i>For Class 56 Rating, Add</i>	2,230.58	
40 05 19 00-0825	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,875.50	840.42
			<i>For Class 52 Rating, Deduct</i>	-836.23	
			<i>For Class 54 Rating, Add</i>	1,155.60	
			<i>For Class 55 Rating, Add</i>	1,725.84	
			<i>For Class 56 Rating, Add</i>	2,288.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0826 EA 16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,076.79	844.20
For Class 52 Rating, Deduct	-857.75	
For Class 54 Rating, Add	1,185.00	
For Class 55 Rating, Add	1,769.58	
For Class 56 Rating, Add	2,346.37	
40 05 19 00-0827 EA 16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,278.08	847.99
For Class 52 Rating, Deduct	-879.26	
For Class 54 Rating, Add	1,214.40	
For Class 55 Rating, Add	1,813.33	
For Class 56 Rating, Add	2,404.26	
40 05 19 00-0828 EA 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,479.36	851.78
For Class 52 Rating, Deduct	-900.77	
For Class 54 Rating, Add	1,243.81	
For Class 55 Rating, Add	1,857.07	
For Class 56 Rating, Add	2,462.15	
40 05 19 00-0829 EA 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,680.66	855.56
For Class 52 Rating, Deduct	-922.28	
For Class 54 Rating, Add	1,273.21	
For Class 55 Rating, Add	1,900.82	
For Class 56 Rating, Add	2,520.05	
40 05 19 00-0830 EA 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,881.94	859.35
For Class 52 Rating, Deduct	-943.79	
For Class 54 Rating, Add	1,302.61	
For Class 55 Rating, Add	1,944.57	
For Class 56 Rating, Add	2,577.94	
40 05 19 00-0831 EA 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,083.23	863.13
For Class 52 Rating, Deduct	-965.30	
For Class 54 Rating, Add	1,332.01	
For Class 55 Rating, Add	1,988.31	
For Class 56 Rating, Add	2,635.84	
40 05 19 00-0832 EA 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,284.52	866.92
For Class 52 Rating, Deduct	-986.81	
For Class 54 Rating, Add	1,361.41	
For Class 55 Rating, Add	2,032.06	
For Class 56 Rating, Add	2,693.73	
40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0834 EA 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,300.19	819.23
For Class 52 Rating, Deduct	-226.48	
For Class 54 Rating, Add	323.74	
For Class 55 Rating, Add	488.94	
For Class 56 Rating, Add	652.07	
40 05 19 00-0835 EA 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,531.58	823.02
For Class 52 Rating, Deduct	-251.30	
For Class 54 Rating, Add	357.65	
For Class 55 Rating, Add	539.39	
For Class 56 Rating, Add	718.85	
40 05 19 00-0836 EA 18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,762.95	826.80
For Class 52 Rating, Deduct	-276.13	
For Class 54 Rating, Add	391.57	
For Class 55 Rating, Add	589.85	
For Class 56 Rating, Add	785.62	
40 05 19 00-0837 EA 18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,994.33	830.59
For Class 52 Rating, Deduct	-300.95	
For Class 54 Rating, Add	425.48	
For Class 55 Rating, Add	640.30	
For Class 56 Rating, Add	852.39	
40 05 19 00-0838 EA 18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,225.69	834.37
For Class 52 Rating, Deduct	-325.77	
For Class 54 Rating, Add	459.40	
For Class 55 Rating, Add	690.76	
For Class 56 Rating, Add	919.15	
40 05 19 00-0839 EA 18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,457.07	838.16
For Class 52 Rating, Deduct	-350.59	
For Class 54 Rating, Add	493.31	
For Class 55 Rating, Add	741.21	
For Class 56 Rating, Add	985.92	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0840	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,688.44	841.94
			<i>For Class 52 Rating, Deduct</i>	-375.41	
			<i>For Class 54 Rating, Add</i>	527.22	
			<i>For Class 55 Rating, Add</i>	791.67	
			<i>For Class 56 Rating, Add</i>	1,052.69	
40 05 19 00-0841	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,919.82	845.73
			<i>For Class 52 Rating, Deduct</i>	-400.23	
			<i>For Class 54 Rating, Add</i>	561.14	
			<i>For Class 55 Rating, Add</i>	842.12	
			<i>For Class 56 Rating, Add</i>	1,119.46	
40 05 19 00-0842	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,151.20	849.52
			<i>For Class 52 Rating, Deduct</i>	-425.05	
			<i>For Class 54 Rating, Add</i>	595.05	
			<i>For Class 55 Rating, Add</i>	892.58	
			<i>For Class 56 Rating, Add</i>	1,186.23	
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,382.57	853.30
			<i>For Class 52 Rating, Deduct</i>	-449.87	
			<i>For Class 54 Rating, Add</i>	628.97	
			<i>For Class 55 Rating, Add</i>	943.03	
			<i>For Class 56 Rating, Add</i>	1,253.00	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,613.94	857.09
			<i>For Class 52 Rating, Deduct</i>	-474.69	
			<i>For Class 54 Rating, Add</i>	662.88	
			<i>For Class 55 Rating, Add</i>	993.49	
			<i>For Class 56 Rating, Add</i>	1,319.77	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,845.31	860.87
			<i>For Class 52 Rating, Deduct</i>	-499.51	
			<i>For Class 54 Rating, Add</i>	696.80	
			<i>For Class 55 Rating, Add</i>	1,043.94	
			<i>For Class 56 Rating, Add</i>	1,386.54	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,076.69	864.66
			<i>For Class 52 Rating, Deduct</i>	-524.33	
			<i>For Class 54 Rating, Add</i>	730.71	
			<i>For Class 55 Rating, Add</i>	1,094.40	
			<i>For Class 56 Rating, Add</i>	1,453.31	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,308.06	868.44
			<i>For Class 52 Rating, Deduct</i>	-549.15	
			<i>For Class 54 Rating, Add</i>	764.63	
			<i>For Class 55 Rating, Add</i>	1,144.85	
			<i>For Class 56 Rating, Add</i>	1,520.08	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,539.44	872.23
			<i>For Class 52 Rating, Deduct</i>	-573.97	
			<i>For Class 54 Rating, Add</i>	798.54	
			<i>For Class 55 Rating, Add</i>	1,195.31	
			<i>For Class 56 Rating, Add</i>	1,586.85	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,770.81	876.02
			<i>For Class 52 Rating, Deduct</i>	-598.79	
			<i>For Class 54 Rating, Add</i>	832.46	
			<i>For Class 55 Rating, Add</i>	1,245.76	
			<i>For Class 56 Rating, Add</i>	1,653.62	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,002.18	879.80
			<i>For Class 52 Rating, Deduct</i>	-623.61	
			<i>For Class 54 Rating, Add</i>	866.37	
			<i>For Class 55 Rating, Add</i>	1,296.22	
			<i>For Class 56 Rating, Add</i>	1,720.39	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,233.55	883.59
			<i>For Class 52 Rating, Deduct</i>	-648.43	
			<i>For Class 54 Rating, Add</i>	900.29	
			<i>For Class 55 Rating, Add</i>	1,346.67	
			<i>For Class 56 Rating, Add</i>	1,787.16	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,464.93	887.37
			<i>For Class 52 Rating, Deduct</i>	-673.25	
			<i>For Class 54 Rating, Add</i>	934.20	
			<i>For Class 55 Rating, Add</i>	1,397.13	
			<i>For Class 56 Rating, Add</i>	1,853.93	
40 05 19 00-0853	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,696.31	891.16
			<i>For Class 52 Rating, Deduct</i>	-698.07	
			<i>For Class 54 Rating, Add</i>	968.11	
			<i>For Class 55 Rating, Add</i>	1,447.58	
			<i>For Class 56 Rating, Add</i>	1,920.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0854 EA 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,927.68	894.94
<i>For Class 52 Rating, Deduct</i>	-722.89	
<i>For Class 54 Rating, Add</i>	1,002.03	
<i>For Class 55 Rating, Add</i>	1,498.04	
<i>For Class 56 Rating, Add</i>	1,987.47	
40 05 19 00-0855 EA 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,159.06	898.73
<i>For Class 52 Rating, Deduct</i>	-747.71	
<i>For Class 54 Rating, Add</i>	1,035.94	
<i>For Class 55 Rating, Add</i>	1,548.49	
<i>For Class 56 Rating, Add</i>	2,054.24	
40 05 19 00-0856 EA 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,390.43	902.52
<i>For Class 52 Rating, Deduct</i>	-772.53	
<i>For Class 54 Rating, Add</i>	1,069.86	
<i>For Class 55 Rating, Add</i>	1,598.95	
<i>For Class 56 Rating, Add</i>	2,121.01	
40 05 19 00-0857 EA 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,621.80	906.30
<i>For Class 52 Rating, Deduct</i>	-797.35	
<i>For Class 54 Rating, Add</i>	1,103.77	
<i>For Class 55 Rating, Add</i>	1,649.40	
<i>For Class 56 Rating, Add</i>	2,187.78	
40 05 19 00-0858 EA 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,853.17	910.09
<i>For Class 52 Rating, Deduct</i>	-822.17	
<i>For Class 54 Rating, Add</i>	1,137.69	
<i>For Class 55 Rating, Add</i>	1,699.86	
<i>For Class 56 Rating, Add</i>	2,254.55	
40 05 19 00-0859 EA 18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,084.56	913.87
<i>For Class 52 Rating, Deduct</i>	-846.99	
<i>For Class 54 Rating, Add</i>	1,171.60	
<i>For Class 55 Rating, Add</i>	1,750.31	
<i>For Class 56 Rating, Add</i>	2,321.32	
40 05 19 00-0860 EA 18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,315.93	917.66
<i>For Class 52 Rating, Deduct</i>	-871.81	
<i>For Class 54 Rating, Add</i>	1,205.52	
<i>For Class 55 Rating, Add</i>	1,800.77	
<i>For Class 56 Rating, Add</i>	2,388.09	
40 05 19 00-0861 EA 18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,547.31	921.44
<i>For Class 52 Rating, Deduct</i>	-896.63	
<i>For Class 54 Rating, Add</i>	1,239.43	
<i>For Class 55 Rating, Add</i>	1,851.22	
<i>For Class 56 Rating, Add</i>	2,454.86	
40 05 19 00-0862 EA 18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,778.69	925.23
<i>For Class 52 Rating, Deduct</i>	-921.45	
<i>For Class 54 Rating, Add</i>	1,273.35	
<i>For Class 55 Rating, Add</i>	1,901.68	
<i>For Class 56 Rating, Add</i>	2,521.63	
40 05 19 00-0863 EA 18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,010.05	929.01
<i>For Class 52 Rating, Deduct</i>	-946.27	
<i>For Class 54 Rating, Add</i>	1,307.26	
<i>For Class 55 Rating, Add</i>	1,952.13	
<i>For Class 56 Rating, Add</i>	2,588.40	
40 05 19 00-0864 EA 18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,241.43	932.80
<i>For Class 52 Rating, Deduct</i>	-971.09	
<i>For Class 54 Rating, Add</i>	1,341.17	
<i>For Class 55 Rating, Add</i>	2,002.59	
<i>For Class 56 Rating, Add</i>	2,655.17	
40 05 19 00-0865 EA 18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,472.80	936.59
<i>For Class 52 Rating, Deduct</i>	-995.91	
<i>For Class 54 Rating, Add</i>	1,375.09	
<i>For Class 55 Rating, Add</i>	2,053.04	
<i>For Class 56 Rating, Add</i>	2,721.94	
40 05 19 00-0866 EA 18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,704.18	940.37
<i>For Class 52 Rating, Deduct</i>	-1,020.73	
<i>For Class 54 Rating, Add</i>	1,409.00	
<i>For Class 55 Rating, Add</i>	2,103.50	
<i>For Class 56 Rating, Add</i>	2,788.71	
40 05 19 00-0867 EA 18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,935.55	944.16
<i>For Class 52 Rating, Deduct</i>	-1,045.55	
<i>For Class 54 Rating, Add</i>	1,442.92	
<i>For Class 55 Rating, Add</i>	2,153.95	
<i>For Class 56 Rating, Add</i>	2,855.48	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0868	EA		18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,166.93	947.94
			<i>For Class 52 Rating, Deduct</i>	-1,070.37	
			<i>For Class 54 Rating, Add</i>	1,476.83	
			<i>For Class 55 Rating, Add</i>	2,204.41	
			<i>For Class 56 Rating, Add</i>	2,922.25	
40 05 19 00-0869	EA		18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,398.29	951.73
			<i>For Class 52 Rating, Deduct</i>	-1,095.19	
			<i>For Class 54 Rating, Add</i>	1,510.75	
			<i>For Class 55 Rating, Add</i>	2,254.86	
			<i>For Class 56 Rating, Add</i>	2,989.02	
40 05 19 00-0870	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,629.67	955.51
			<i>For Class 52 Rating, Deduct</i>	-1,120.01	
			<i>For Class 54 Rating, Add</i>	1,544.66	
			<i>For Class 55 Rating, Add</i>	2,305.32	
			<i>For Class 56 Rating, Add</i>	3,055.79	
40 05 19 00-0871	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,861.04	959.30
			<i>For Class 52 Rating, Deduct</i>	-1,144.83	
			<i>For Class 54 Rating, Add</i>	1,578.58	
			<i>For Class 55 Rating, Add</i>	2,355.77	
			<i>For Class 56 Rating, Add</i>	3,122.56	
40 05 19 00-0872			20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,821.69	935.06
			<i>For Class 52 Rating, Deduct</i>	-264.54	
			<i>For Class 54 Rating, Add</i>	377.74	
			<i>For Class 55 Rating, Add</i>	570.30	
			<i>For Class 56 Rating, Add</i>	760.46	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,086.91	938.85
			<i>For Class 52 Rating, Deduct</i>	-293.09	
			<i>For Class 54 Rating, Add</i>	416.73	
			<i>For Class 55 Rating, Add</i>	628.30	
			<i>For Class 56 Rating, Add</i>	837.21	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,352.13	942.63
			<i>For Class 52 Rating, Deduct</i>	-321.63	
			<i>For Class 54 Rating, Add</i>	455.72	
			<i>For Class 55 Rating, Add</i>	686.31	
			<i>For Class 56 Rating, Add</i>	913.97	
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,617.35	946.42
			<i>For Class 52 Rating, Deduct</i>	-350.17	
			<i>For Class 54 Rating, Add</i>	494.71	
			<i>For Class 55 Rating, Add</i>	744.31	
			<i>For Class 56 Rating, Add</i>	990.72	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,882.58	950.20
			<i>For Class 52 Rating, Deduct</i>	-378.72	
			<i>For Class 54 Rating, Add</i>	533.71	
			<i>For Class 55 Rating, Add</i>	802.31	
			<i>For Class 56 Rating, Add</i>	1,067.48	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,147.79	953.99
			<i>For Class 52 Rating, Deduct</i>	-407.26	
			<i>For Class 54 Rating, Add</i>	572.70	
			<i>For Class 55 Rating, Add</i>	860.31	
			<i>For Class 56 Rating, Add</i>	1,144.23	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,413.01	957.77
			<i>For Class 52 Rating, Deduct</i>	-435.80	
			<i>For Class 54 Rating, Add</i>	611.69	
			<i>For Class 55 Rating, Add</i>	918.32	
			<i>For Class 56 Rating, Add</i>	1,220.98	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,678.23	961.56
			<i>For Class 52 Rating, Deduct</i>	-464.35	
			<i>For Class 54 Rating, Add</i>	650.68	
			<i>For Class 55 Rating, Add</i>	976.32	
			<i>For Class 56 Rating, Add</i>	1,297.74	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,943.45	965.35
			<i>For Class 52 Rating, Deduct</i>	-492.89	
			<i>For Class 54 Rating, Add</i>	689.67	
			<i>For Class 55 Rating, Add</i>	1,034.32	
			<i>For Class 56 Rating, Add</i>	1,374.49	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0882 EA 20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,208.68	969.13
<i>For Class 52 Rating, Deduct</i>	-521.43	
<i>For Class 54 Rating, Add</i>	728.66	
<i>For Class 55 Rating, Add</i>	1,092.33	
<i>For Class 56 Rating, Add</i>	1,451.25	
40 05 19 00-0883 EA 20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,473.90	972.92
<i>For Class 52 Rating, Deduct</i>	-549.97	
<i>For Class 54 Rating, Add</i>	767.66	
<i>For Class 55 Rating, Add</i>	1,150.33	
<i>For Class 56 Rating, Add</i>	1,528.00	
40 05 19 00-0884 EA 20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,739.12	976.70
<i>For Class 52 Rating, Deduct</i>	-578.52	
<i>For Class 54 Rating, Add</i>	806.65	
<i>For Class 55 Rating, Add</i>	1,208.33	
<i>For Class 56 Rating, Add</i>	1,604.76	
40 05 19 00-0885 EA 20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,004.34	980.49
<i>For Class 52 Rating, Deduct</i>	-607.06	
<i>For Class 54 Rating, Add</i>	845.64	
<i>For Class 55 Rating, Add</i>	1,266.33	
<i>For Class 56 Rating, Add</i>	1,681.51	
40 05 19 00-0886 EA 20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,269.55	984.27
<i>For Class 52 Rating, Deduct</i>	-635.60	
<i>For Class 54 Rating, Add</i>	884.63	
<i>For Class 55 Rating, Add</i>	1,324.33	
<i>For Class 56 Rating, Add</i>	1,758.26	
40 05 19 00-0887 EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,534.78	988.06
<i>For Class 52 Rating, Deduct</i>	-664.15	
<i>For Class 54 Rating, Add</i>	923.62	
<i>For Class 55 Rating, Add</i>	1,382.34	
<i>For Class 56 Rating, Add</i>	1,835.02	
40 05 19 00-0888 EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,800.00	991.85
<i>For Class 52 Rating, Deduct</i>	-692.69	
<i>For Class 54 Rating, Add</i>	962.61	
<i>For Class 55 Rating, Add</i>	1,440.34	
<i>For Class 56 Rating, Add</i>	1,911.77	
40 05 19 00-0889 EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,065.22	995.63
<i>For Class 52 Rating, Deduct</i>	-721.23	
<i>For Class 54 Rating, Add</i>	1,001.60	
<i>For Class 55 Rating, Add</i>	1,498.34	
<i>For Class 56 Rating, Add</i>	1,988.53	
40 05 19 00-0890 EA 20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,330.44	999.42
<i>For Class 52 Rating, Deduct</i>	-749.78	
<i>For Class 54 Rating, Add</i>	1,040.60	
<i>For Class 55 Rating, Add</i>	1,556.35	
<i>For Class 56 Rating, Add</i>	2,065.28	
40 05 19 00-0891 EA 20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,595.65	1,003.20
<i>For Class 52 Rating, Deduct</i>	-778.32	
<i>For Class 54 Rating, Add</i>	1,079.59	
<i>For Class 55 Rating, Add</i>	1,614.35	
<i>For Class 56 Rating, Add</i>	2,142.03	
40 05 19 00-0892 EA 20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,860.88	1,006.99
<i>For Class 52 Rating, Deduct</i>	-806.86	
<i>For Class 54 Rating, Add</i>	1,118.58	
<i>For Class 55 Rating, Add</i>	1,672.35	
<i>For Class 56 Rating, Add</i>	2,218.79	
40 05 19 00-0893 EA 20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,126.09	1,010.77
<i>For Class 52 Rating, Deduct</i>	-835.41	
<i>For Class 54 Rating, Add</i>	1,157.57	
<i>For Class 55 Rating, Add</i>	1,730.35	
<i>For Class 56 Rating, Add</i>	2,295.54	
40 05 19 00-0894 EA 20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,391.32	1,014.56
<i>For Class 52 Rating, Deduct</i>	-863.95	
<i>For Class 54 Rating, Add</i>	1,196.56	
<i>For Class 55 Rating, Add</i>	1,788.36	
<i>For Class 56 Rating, Add</i>	2,372.30	
40 05 19 00-0895 EA 20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,656.53	1,018.35
<i>For Class 52 Rating, Deduct</i>	-892.49	
<i>For Class 54 Rating, Add</i>	1,235.55	
<i>For Class 55 Rating, Add</i>	1,846.36	
<i>For Class 56 Rating, Add</i>	2,449.05	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0896	EA		20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,921.75	1,022.13
			<i>For Class 52 Rating, Deduct</i>	-921.04	
			<i>For Class 54 Rating, Add</i>	1,274.54	
			<i>For Class 55 Rating, Add</i>	1,904.36	
			<i>For Class 56 Rating, Add</i>	2,525.81	
40 05 19 00-0897	EA		20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,186.97	1,025.92
			<i>For Class 52 Rating, Deduct</i>	-949.58	
			<i>For Class 54 Rating, Add</i>	1,313.54	
			<i>For Class 55 Rating, Add</i>	1,962.36	
			<i>For Class 56 Rating, Add</i>	2,602.56	
40 05 19 00-0898	EA		20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,452.19	1,029.70
			<i>For Class 52 Rating, Deduct</i>	-978.12	
			<i>For Class 54 Rating, Add</i>	1,352.53	
			<i>For Class 55 Rating, Add</i>	2,020.37	
			<i>For Class 56 Rating, Add</i>	2,679.31	
40 05 19 00-0899	EA		20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,717.42	1,033.49
			<i>For Class 52 Rating, Deduct</i>	-1,006.67	
			<i>For Class 54 Rating, Add</i>	1,391.52	
			<i>For Class 55 Rating, Add</i>	2,078.37	
			<i>For Class 56 Rating, Add</i>	2,756.07	
40 05 19 00-0900	EA		20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,982.63	1,037.27
			<i>For Class 52 Rating, Deduct</i>	-1,035.21	
			<i>For Class 54 Rating, Add</i>	1,430.51	
			<i>For Class 55 Rating, Add</i>	2,136.37	
			<i>For Class 56 Rating, Add</i>	2,832.82	
40 05 19 00-0901	EA		20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,247.86	1,041.06
			<i>For Class 52 Rating, Deduct</i>	-1,063.75	
			<i>For Class 54 Rating, Add</i>	1,469.50	
			<i>For Class 55 Rating, Add</i>	2,194.38	
			<i>For Class 56 Rating, Add</i>	2,909.58	
40 05 19 00-0902	EA		20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,513.07	1,044.85
			<i>For Class 52 Rating, Deduct</i>	-1,092.30	
			<i>For Class 54 Rating, Add</i>	1,508.49	
			<i>For Class 55 Rating, Add</i>	2,252.38	
			<i>For Class 56 Rating, Add</i>	2,986.33	
40 05 19 00-0903	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,778.29	1,048.63
			<i>For Class 52 Rating, Deduct</i>	-1,120.84	
			<i>For Class 54 Rating, Add</i>	1,547.48	
			<i>For Class 55 Rating, Add</i>	2,310.38	
			<i>For Class 56 Rating, Add</i>	3,063.09	
40 05 19 00-0904	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,043.51	1,052.42
			<i>For Class 52 Rating, Deduct</i>	-1,149.38	
			<i>For Class 54 Rating, Add</i>	1,586.48	
			<i>For Class 55 Rating, Add</i>	2,368.38	
			<i>For Class 56 Rating, Add</i>	3,139.84	
40 05 19 00-0905	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,308.73	1,056.20
			<i>For Class 52 Rating, Deduct</i>	-1,177.93	
			<i>For Class 54 Rating, Add</i>	1,625.47	
			<i>For Class 55 Rating, Add</i>	2,426.39	
			<i>For Class 56 Rating, Add</i>	3,216.60	
40 05 19 00-0906	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,573.96	1,059.99
			<i>For Class 52 Rating, Deduct</i>	-1,206.47	
			<i>For Class 54 Rating, Add</i>	1,664.46	
			<i>For Class 55 Rating, Add</i>	2,484.39	
			<i>For Class 56 Rating, Add</i>	3,293.35	
40 05 19 00-0907	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,839.18	1,063.77
			<i>For Class 52 Rating, Deduct</i>	-1,235.01	
			<i>For Class 54 Rating, Add</i>	1,703.45	
			<i>For Class 55 Rating, Add</i>	2,542.39	
			<i>For Class 56 Rating, Add</i>	3,370.10	
40 05 19 00-0908	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,104.40	1,067.56
			<i>For Class 52 Rating, Deduct</i>	-1,263.56	
			<i>For Class 54 Rating, Add</i>	1,742.44	
			<i>For Class 55 Rating, Add</i>	2,600.39	
			<i>For Class 56 Rating, Add</i>	3,446.86	
40 05 19 00-0909	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,369.62	1,071.34
			<i>For Class 52 Rating, Deduct</i>	-1,292.10	
			<i>For Class 54 Rating, Add</i>	1,781.43	
			<i>For Class 55 Rating, Add</i>	2,658.40	
			<i>For Class 56 Rating, Add</i>	3,523.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0910 EA 20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,634.84	1,075.13
For Class 52 Rating, Deduct	-1,320.64	
For Class 54 Rating, Add	1,820.42	
For Class 55 Rating, Add	2,716.40	
For Class 56 Rating, Add	3,600.37	
40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0912 EA 24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,713.48	1,105.42
For Class 52 Rating, Deduct	-334.25	
For Class 54 Rating, Add	475.89	
For Class 55 Rating, Add	717.80	
For Class 56 Rating, Add	956.68	
40 05 19 00-0913 EA 24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,040.75	1,109.20
For Class 52 Rating, Deduct	-369.61	
For Class 54 Rating, Add	524.19	
For Class 55 Rating, Add	789.64	
For Class 56 Rating, Add	1,051.74	
40 05 19 00-0914 EA 24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,368.02	1,112.99
For Class 52 Rating, Deduct	-404.98	
For Class 54 Rating, Add	572.49	
For Class 55 Rating, Add	861.48	
For Class 56 Rating, Add	1,146.80	
40 05 19 00-0915 EA 24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,695.29	1,116.77
For Class 52 Rating, Deduct	-440.35	
For Class 54 Rating, Add	620.79	
For Class 55 Rating, Add	933.32	
For Class 56 Rating, Add	1,241.86	
40 05 19 00-0916 EA 24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,022.56	1,120.56
For Class 52 Rating, Deduct	-475.72	
For Class 54 Rating, Add	669.08	
For Class 55 Rating, Add	1,005.16	
For Class 56 Rating, Add	1,336.92	
40 05 19 00-0917 EA 24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,349.83	1,124.34
For Class 52 Rating, Deduct	-511.09	
For Class 54 Rating, Add	717.38	
For Class 55 Rating, Add	1,077.00	
For Class 56 Rating, Add	1,431.98	
40 05 19 00-0918 EA 24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,677.10	1,128.13
For Class 52 Rating, Deduct	-546.46	
For Class 54 Rating, Add	765.68	
For Class 55 Rating, Add	1,148.84	
For Class 56 Rating, Add	1,527.04	
40 05 19 00-0919 EA 24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,004.37	1,131.92
For Class 52 Rating, Deduct	-581.83	
For Class 54 Rating, Add	813.98	
For Class 55 Rating, Add	1,220.68	
For Class 56 Rating, Add	1,622.10	
40 05 19 00-0920 EA 24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,331.63	1,135.70
For Class 52 Rating, Deduct	-617.20	
For Class 54 Rating, Add	862.28	
For Class 55 Rating, Add	1,292.52	
For Class 56 Rating, Add	1,717.15	
40 05 19 00-0921 EA 24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,658.91	1,139.49
For Class 52 Rating, Deduct	-652.57	
For Class 54 Rating, Add	910.58	
For Class 55 Rating, Add	1,364.36	
For Class 56 Rating, Add	1,812.21	
40 05 19 00-0922 EA 24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,986.17	1,143.27
For Class 52 Rating, Deduct	-687.93	
For Class 54 Rating, Add	958.88	
For Class 55 Rating, Add	1,436.20	
For Class 56 Rating, Add	1,907.27	
40 05 19 00-0923 EA 24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,313.45	1,147.06
For Class 52 Rating, Deduct	-723.30	
For Class 54 Rating, Add	1,007.18	
For Class 55 Rating, Add	1,508.04	
For Class 56 Rating, Add	2,002.33	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0924	EA		24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,640.73	1,150.84
			<i>For Class 52 Rating, Deduct</i>	-758.67	
			<i>For Class 54 Rating, Add</i>	1,055.48	
			<i>For Class 55 Rating, Add</i>	1,579.88	
			<i>For Class 56 Rating, Add</i>	2,097.39	
40 05 19 00-0925	EA		24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,968.00	1,154.63
			<i>For Class 52 Rating, Deduct</i>	-794.04	
			<i>For Class 54 Rating, Add</i>	1,103.78	
			<i>For Class 55 Rating, Add</i>	1,651.72	
			<i>For Class 56 Rating, Add</i>	2,192.45	
40 05 19 00-0926	EA		24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,295.27	1,158.42
			<i>For Class 52 Rating, Deduct</i>	-829.41	
			<i>For Class 54 Rating, Add</i>	1,152.07	
			<i>For Class 55 Rating, Add</i>	1,723.56	
			<i>For Class 56 Rating, Add</i>	2,287.51	
40 05 19 00-0927	EA		24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,622.54	1,162.20
			<i>For Class 52 Rating, Deduct</i>	-864.78	
			<i>For Class 54 Rating, Add</i>	1,200.37	
			<i>For Class 55 Rating, Add</i>	1,795.40	
			<i>For Class 56 Rating, Add</i>	2,382.57	
40 05 19 00-0928	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,949.81	1,165.99
			<i>For Class 52 Rating, Deduct</i>	-900.15	
			<i>For Class 54 Rating, Add</i>	1,248.67	
			<i>For Class 55 Rating, Add</i>	1,867.24	
			<i>For Class 56 Rating, Add</i>	2,477.63	
40 05 19 00-0929	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,277.08	1,169.77
			<i>For Class 52 Rating, Deduct</i>	-935.52	
			<i>For Class 54 Rating, Add</i>	1,296.97	
			<i>For Class 55 Rating, Add</i>	1,939.08	
			<i>For Class 56 Rating, Add</i>	2,572.69	
40 05 19 00-0930	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,604.35	1,173.56
			<i>For Class 52 Rating, Deduct</i>	-970.88	
			<i>For Class 54 Rating, Add</i>	1,345.27	
			<i>For Class 55 Rating, Add</i>	2,010.92	
			<i>For Class 56 Rating, Add</i>	2,667.75	
40 05 19 00-0931	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,931.62	1,177.35
			<i>For Class 52 Rating, Deduct</i>	-1,006.25	
			<i>For Class 54 Rating, Add</i>	1,393.57	
			<i>For Class 55 Rating, Add</i>	2,082.76	
			<i>For Class 56 Rating, Add</i>	2,762.81	
40 05 19 00-0932	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,258.89	1,181.14
			<i>For Class 52 Rating, Deduct</i>	-1,041.62	
			<i>For Class 54 Rating, Add</i>	1,441.87	
			<i>For Class 55 Rating, Add</i>	2,154.60	
			<i>For Class 56 Rating, Add</i>	2,857.87	
40 05 19 00-0933	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,586.17	1,184.93
			<i>For Class 52 Rating, Deduct</i>	-1,076.99	
			<i>For Class 54 Rating, Add</i>	1,490.17	
			<i>For Class 55 Rating, Add</i>	2,226.44	
			<i>For Class 56 Rating, Add</i>	2,952.93	
40 05 19 00-0934	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,913.43	1,188.71
			<i>For Class 52 Rating, Deduct</i>	-1,112.36	
			<i>For Class 54 Rating, Add</i>	1,538.47	
			<i>For Class 55 Rating, Add</i>	2,298.28	
			<i>For Class 56 Rating, Add</i>	3,047.98	
40 05 19 00-0935	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,240.71	1,192.50
			<i>For Class 52 Rating, Deduct</i>	-1,147.73	
			<i>For Class 54 Rating, Add</i>	1,586.77	
			<i>For Class 55 Rating, Add</i>	2,370.12	
			<i>For Class 56 Rating, Add</i>	3,143.05	
40 05 19 00-0936	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,567.97	1,196.28
			<i>For Class 52 Rating, Deduct</i>	-1,183.10	
			<i>For Class 54 Rating, Add</i>	1,635.06	
			<i>For Class 55 Rating, Add</i>	2,441.96	
			<i>For Class 56 Rating, Add</i>	3,238.10	
40 05 19 00-0937	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,895.25	1,200.07
			<i>For Class 52 Rating, Deduct</i>	-1,218.47	
			<i>For Class 54 Rating, Add</i>	1,683.36	
			<i>For Class 55 Rating, Add</i>	2,513.80	
			<i>For Class 56 Rating, Add</i>	3,333.16	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938 EA 24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,222.51	1,203.85
For Class 52 Rating, Deduct	-1,253.84	
For Class 54 Rating, Add	1,731.66	
For Class 55 Rating, Add	2,585.64	
For Class 56 Rating, Add	3,428.22	
40 05 19 00-0939 EA 24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,549.78	1,207.64
For Class 52 Rating, Deduct	-1,289.20	
For Class 54 Rating, Add	1,779.96	
For Class 55 Rating, Add	2,657.48	
For Class 56 Rating, Add	3,523.28	
40 05 19 00-0940 EA 24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,877.05	1,211.42
For Class 52 Rating, Deduct	-1,324.57	
For Class 54 Rating, Add	1,828.26	
For Class 55 Rating, Add	2,729.32	
For Class 56 Rating, Add	3,618.34	
40 05 19 00-0941 EA 24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,301.83	1,279.57
For Class 52 Rating, Deduct	-1,359.94	
For Class 54 Rating, Add	1,877.73	
For Class 55 Rating, Add	2,803.50	
For Class 56 Rating, Add	3,716.91	
40 05 19 00-0942 EA 24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,629.11	1,283.35
For Class 52 Rating, Deduct	-1,395.31	
For Class 54 Rating, Add	1,926.03	
For Class 55 Rating, Add	2,875.34	
For Class 56 Rating, Add	3,811.97	
40 05 19 00-0943 EA 24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,956.37	1,287.14
For Class 52 Rating, Deduct	-1,430.68	
For Class 54 Rating, Add	1,974.33	
For Class 55 Rating, Add	2,947.18	
For Class 56 Rating, Add	3,907.03	
40 05 19 00-0944 EA 24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,283.65	1,290.92
For Class 52 Rating, Deduct	-1,466.05	
For Class 54 Rating, Add	2,022.63	
For Class 55 Rating, Add	3,019.02	
For Class 56 Rating, Add	4,002.09	
40 05 19 00-0945 EA 24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,610.91	1,294.71
For Class 52 Rating, Deduct	-1,501.42	
For Class 54 Rating, Add	2,070.93	
For Class 55 Rating, Add	3,090.86	
For Class 56 Rating, Add	4,097.15	
40 05 19 00-0946 EA 24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,938.19	1,298.50
For Class 52 Rating, Deduct	-1,536.79	
For Class 54 Rating, Add	2,119.23	
For Class 55 Rating, Add	3,162.70	
For Class 56 Rating, Add	4,192.21	
40 05 19 00-0947 EA 24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,265.45	1,302.28
For Class 52 Rating, Deduct	-1,572.15	
For Class 54 Rating, Add	2,167.52	
For Class 55 Rating, Add	3,234.54	
For Class 56 Rating, Add	4,287.26	
40 05 19 00-0948 EA 24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,592.73	1,306.07
For Class 52 Rating, Deduct	-1,607.52	
For Class 54 Rating, Add	2,215.82	
For Class 55 Rating, Add	3,306.38	
For Class 56 Rating, Add	4,382.33	
40 05 19 00-0949 EA 24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,920.00	1,309.85
For Class 52 Rating, Deduct	-1,642.89	
For Class 54 Rating, Add	2,264.12	
For Class 55 Rating, Add	3,378.22	
For Class 56 Rating, Add	4,477.38	
40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0951 EA 30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,214.42	1,559.71
For Class 52 Rating, Deduct	-533.64	
For Class 54 Rating, Add	756.04	
For Class 55 Rating, Add	1,138.54	
For Class 56 Rating, Add	1,516.19	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0952	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,684.58	1,563.49
			<i>For Class 52 Rating, Deduct</i>	-584.72	
			<i>For Class 54 Rating, Add</i>	825.78	
			<i>For Class 55 Rating, Add</i>	1,242.25	
			<i>For Class 56 Rating, Add</i>	1,653.40	
40 05 19 00-0953	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,154.76	1,567.28
			<i>For Class 52 Rating, Deduct</i>	-635.81	
			<i>For Class 54 Rating, Add</i>	895.51	
			<i>For Class 55 Rating, Add</i>	1,345.95	
			<i>For Class 56 Rating, Add</i>	1,790.62	
40 05 19 00-0954	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,624.93	1,571.06
			<i>For Class 52 Rating, Deduct</i>	-686.90	
			<i>For Class 54 Rating, Add</i>	965.25	
			<i>For Class 55 Rating, Add</i>	1,449.66	
			<i>For Class 56 Rating, Add</i>	1,927.83	
40 05 19 00-0955	EA		30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,095.11	1,574.85
			<i>For Class 52 Rating, Deduct</i>	-737.99	
			<i>For Class 54 Rating, Add</i>	1,034.98	
			<i>For Class 55 Rating, Add</i>	1,553.37	
			<i>For Class 56 Rating, Add</i>	2,065.05	
40 05 19 00-0956	EA		30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,565.28	1,578.63
			<i>For Class 52 Rating, Deduct</i>	-789.08	
			<i>For Class 54 Rating, Add</i>	1,104.72	
			<i>For Class 55 Rating, Add</i>	1,657.08	
			<i>For Class 56 Rating, Add</i>	2,202.27	
40 05 19 00-0957	EA		30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,035.46	1,582.42
			<i>For Class 52 Rating, Deduct</i>	-840.16	
			<i>For Class 54 Rating, Add</i>	1,174.45	
			<i>For Class 55 Rating, Add</i>	1,760.79	
			<i>For Class 56 Rating, Add</i>	2,339.48	
40 05 19 00-0958	EA		30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,505.64	1,586.21
			<i>For Class 52 Rating, Deduct</i>	-891.25	
			<i>For Class 54 Rating, Add</i>	1,244.19	
			<i>For Class 55 Rating, Add</i>	1,864.49	
			<i>For Class 56 Rating, Add</i>	2,476.70	
40 05 19 00-0959	EA		30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,975.81	1,589.99
			<i>For Class 52 Rating, Deduct</i>	-942.34	
			<i>For Class 54 Rating, Add</i>	1,313.92	
			<i>For Class 55 Rating, Add</i>	1,968.20	
			<i>For Class 56 Rating, Add</i>	2,613.91	
40 05 19 00-0960	EA		30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,445.99	1,593.78
			<i>For Class 52 Rating, Deduct</i>	-993.43	
			<i>For Class 54 Rating, Add</i>	1,383.65	
			<i>For Class 55 Rating, Add</i>	2,071.91	
			<i>For Class 56 Rating, Add</i>	2,751.13	
40 05 19 00-0961	EA		30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,916.16	1,597.56
			<i>For Class 52 Rating, Deduct</i>	-1,044.52	
			<i>For Class 54 Rating, Add</i>	1,453.39	
			<i>For Class 55 Rating, Add</i>	2,175.62	
			<i>For Class 56 Rating, Add</i>	2,888.35	
40 05 19 00-0962	EA		30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,386.34	1,601.35
			<i>For Class 52 Rating, Deduct</i>	-1,095.61	
			<i>For Class 54 Rating, Add</i>	1,523.12	
			<i>For Class 55 Rating, Add</i>	2,279.32	
			<i>For Class 56 Rating, Add</i>	3,025.56	
40 05 19 00-0963	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,856.50	1,605.13
			<i>For Class 52 Rating, Deduct</i>	-1,146.69	
			<i>For Class 54 Rating, Add</i>	1,592.86	
			<i>For Class 55 Rating, Add</i>	2,383.03	
			<i>For Class 56 Rating, Add</i>	3,162.78	
40 05 19 00-0964	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,326.68	1,608.92
			<i>For Class 52 Rating, Deduct</i>	-1,197.78	
			<i>For Class 54 Rating, Add</i>	1,662.59	
			<i>For Class 55 Rating, Add</i>	2,486.74	
			<i>For Class 56 Rating, Add</i>	3,299.99	
40 05 19 00-0965	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,796.86	1,612.71
			<i>For Class 52 Rating, Deduct</i>	-1,248.87	
			<i>For Class 54 Rating, Add</i>	1,732.33	
			<i>For Class 55 Rating, Add</i>	2,590.45	
			<i>For Class 56 Rating, Add</i>	3,437.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966 EA 30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,267.04	1,616.49
<i>For Class 52 Rating, Deduct</i>	-1,299.96	
<i>For Class 54 Rating, Add</i>	1,802.06	
<i>For Class 55 Rating, Add</i>	2,694.15	
<i>For Class 56 Rating, Add</i>	3,574.43	
40 05 19 00-0967 EA 30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,737.22	1,620.28
<i>For Class 52 Rating, Deduct</i>	-1,351.05	
<i>For Class 54 Rating, Add</i>	1,871.80	
<i>For Class 55 Rating, Add</i>	2,797.86	
<i>For Class 56 Rating, Add</i>	3,711.64	
40 05 19 00-0968 EA 30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,207.39	1,624.06
<i>For Class 52 Rating, Deduct</i>	-1,402.14	
<i>For Class 54 Rating, Add</i>	1,941.53	
<i>For Class 55 Rating, Add</i>	2,901.57	
<i>For Class 56 Rating, Add</i>	3,848.86	
40 05 19 00-0969 EA 30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,677.57	1,627.85
<i>For Class 52 Rating, Deduct</i>	-1,453.22	
<i>For Class 54 Rating, Add</i>	2,011.27	
<i>For Class 55 Rating, Add</i>	3,005.28	
<i>For Class 56 Rating, Add</i>	3,986.08	
40 05 19 00-0970 EA 30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,147.74	1,631.63
<i>For Class 52 Rating, Deduct</i>	-1,504.31	
<i>For Class 54 Rating, Add</i>	2,081.00	
<i>For Class 55 Rating, Add</i>	3,108.98	
<i>For Class 56 Rating, Add</i>	4,123.29	
40 05 19 00-0971 EA 30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,617.92	1,635.42
<i>For Class 52 Rating, Deduct</i>	-1,555.40	
<i>For Class 54 Rating, Add</i>	2,150.74	
<i>For Class 55 Rating, Add</i>	3,212.69	
<i>For Class 56 Rating, Add</i>	4,260.51	
40 05 19 00-0972 EA 30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,088.09	1,639.21
<i>For Class 52 Rating, Deduct</i>	-1,606.49	
<i>For Class 54 Rating, Add</i>	2,220.47	
<i>For Class 55 Rating, Add</i>	3,316.40	
<i>For Class 56 Rating, Add</i>	4,397.72	
40 05 19 00-0973 EA 30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,558.26	1,642.99
<i>For Class 52 Rating, Deduct</i>	-1,657.58	
<i>For Class 54 Rating, Add</i>	2,290.20	
<i>For Class 55 Rating, Add</i>	3,420.11	
<i>For Class 56 Rating, Add</i>	4,534.94	
40 05 19 00-0974 EA 30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,028.43	1,646.78
<i>For Class 52 Rating, Deduct</i>	-1,708.67	
<i>For Class 54 Rating, Add</i>	2,359.94	
<i>For Class 55 Rating, Add</i>	3,523.81	
<i>For Class 56 Rating, Add</i>	4,672.15	
40 05 19 00-0975 EA 30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,498.61	1,650.56
<i>For Class 52 Rating, Deduct</i>	-1,759.75	
<i>For Class 54 Rating, Add</i>	2,429.67	
<i>For Class 55 Rating, Add</i>	3,627.52	
<i>For Class 56 Rating, Add</i>	4,809.37	
40 05 19 00-0976 EA 30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,968.78	1,654.35
<i>For Class 52 Rating, Deduct</i>	-1,810.84	
<i>For Class 54 Rating, Add</i>	2,499.41	
<i>For Class 55 Rating, Add</i>	3,731.23	
<i>For Class 56 Rating, Add</i>	4,946.59	
40 05 19 00-0977 EA 30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,438.96	1,658.13
<i>For Class 52 Rating, Deduct</i>	-1,861.93	
<i>For Class 54 Rating, Add</i>	2,569.14	
<i>For Class 55 Rating, Add</i>	3,834.94	
<i>For Class 56 Rating, Add</i>	5,083.80	
40 05 19 00-0978 EA 30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,909.14	1,661.92
<i>For Class 52 Rating, Deduct</i>	-1,913.02	
<i>For Class 54 Rating, Add</i>	2,638.88	
<i>For Class 55 Rating, Add</i>	3,938.64	
<i>For Class 56 Rating, Add</i>	5,221.02	
40 05 19 00-0979 EA 30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,379.31	1,665.71
<i>For Class 52 Rating, Deduct</i>	-1,964.11	
<i>For Class 54 Rating, Add</i>	2,708.61	
<i>For Class 55 Rating, Add</i>	4,042.35	
<i>For Class 56 Rating, Add</i>	5,358.23	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0980	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,849.49	1,669.49
			<i>For Class 52 Rating, Deduct</i>	-2,015.20	
			<i>For Class 54 Rating, Add</i>	2,778.35	
			<i>For Class 55 Rating, Add</i>	4,146.06	
			<i>For Class 56 Rating, Add</i>	5,495.45	
40 05 19 00-0981	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,319.66	1,673.28
			<i>For Class 52 Rating, Deduct</i>	-2,066.28	
			<i>For Class 54 Rating, Add</i>	2,848.08	
			<i>For Class 55 Rating, Add</i>	4,249.77	
			<i>For Class 56 Rating, Add</i>	5,632.67	
40 05 19 00-0982	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,789.84	1,677.06
			<i>For Class 52 Rating, Deduct</i>	-2,117.37	
			<i>For Class 54 Rating, Add</i>	2,917.82	
			<i>For Class 55 Rating, Add</i>	4,353.48	
			<i>For Class 56 Rating, Add</i>	5,769.88	
40 05 19 00-0983	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,260.00	1,680.85
			<i>For Class 52 Rating, Deduct</i>	-2,168.46	
			<i>For Class 54 Rating, Add</i>	2,987.55	
			<i>For Class 55 Rating, Add</i>	4,457.18	
			<i>For Class 56 Rating, Add</i>	5,907.10	
40 05 19 00-0984	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,730.18	1,684.63
			<i>For Class 52 Rating, Deduct</i>	-2,219.55	
			<i>For Class 54 Rating, Add</i>	3,057.29	
			<i>For Class 55 Rating, Add</i>	4,560.89	
			<i>For Class 56 Rating, Add</i>	6,044.31	
40 05 19 00-0985	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,200.35	1,688.42
			<i>For Class 52 Rating, Deduct</i>	-2,270.64	
			<i>For Class 54 Rating, Add</i>	3,127.02	
			<i>For Class 55 Rating, Add</i>	4,664.60	
			<i>For Class 56 Rating, Add</i>	6,181.53	
40 05 19 00-0986	EA		30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,670.53	1,692.21
			<i>For Class 52 Rating, Deduct</i>	-2,321.72	
			<i>For Class 54 Rating, Add</i>	3,196.76	
			<i>For Class 55 Rating, Add</i>	4,768.30	
			<i>For Class 56 Rating, Add</i>	6,318.75	
40 05 19 00-0987	EA		30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,140.70	1,695.99
			<i>For Class 52 Rating, Deduct</i>	-2,372.81	
			<i>For Class 54 Rating, Add</i>	3,266.49	
			<i>For Class 55 Rating, Add</i>	4,872.01	
			<i>For Class 56 Rating, Add</i>	6,455.96	
40 05 19 00-0988	EA		30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,610.88	1,699.78
			<i>For Class 52 Rating, Deduct</i>	-2,423.90	
			<i>For Class 54 Rating, Add</i>	3,336.23	
			<i>For Class 55 Rating, Add</i>	4,975.72	
			<i>For Class 56 Rating, Add</i>	6,593.18	
40 05 19 00-0989			36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0990	EA		36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,832.85	1,976.13
			<i>For Class 52 Rating, Deduct</i>	-752.26	
			<i>For Class 54 Rating, Add</i>	1,061.74	
			<i>For Class 55 Rating, Add</i>	1,596.89	
			<i>For Class 56 Rating, Add</i>	2,125.21	
40 05 19 00-0991	EA		36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,470.39	1,979.92
			<i>For Class 52 Rating, Deduct</i>	-821.76	
			<i>For Class 54 Rating, Add</i>	1,156.58	
			<i>For Class 55 Rating, Add</i>	1,737.92	
			<i>For Class 56 Rating, Add</i>	2,311.80	
40 05 19 00-0992	EA		36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,107.91	1,983.70
			<i>For Class 52 Rating, Deduct</i>	-891.25	
			<i>For Class 54 Rating, Add</i>	1,251.41	
			<i>For Class 55 Rating, Add</i>	1,878.95	
			<i>For Class 56 Rating, Add</i>	2,498.38	
40 05 19 00-0993	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,745.44	1,987.49
			<i>For Class 52 Rating, Deduct</i>	-960.75	
			<i>For Class 54 Rating, Add</i>	1,346.25	
			<i>For Class 55 Rating, Add</i>	2,019.97	
			<i>For Class 56 Rating, Add</i>	2,684.97	



Process Interconnections 40 Common Work Results For Process Interconnections 40 05 Ductile Iron Process Pipe 40 05 19	40
---	----

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0994 EA 36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,382.95	1,991.27
<i>For Class 52 Rating, Deduct</i>	-1,030.25	
<i>For Class 54 Rating, Add</i>	1,441.09	
<i>For Class 55 Rating, Add</i>	2,161.00	
<i>For Class 56 Rating, Add</i>	2,871.55	
40 05 19 00-0995 EA 36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,020.48	1,995.06
<i>For Class 52 Rating, Deduct</i>	-1,099.74	
<i>For Class 54 Rating, Add</i>	1,535.92	
<i>For Class 55 Rating, Add</i>	2,302.03	
<i>For Class 56 Rating, Add</i>	3,058.13	
40 05 19 00-0996 EA 36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,658.00	1,998.84
<i>For Class 52 Rating, Deduct</i>	-1,169.24	
<i>For Class 54 Rating, Add</i>	1,630.76	
<i>For Class 55 Rating, Add</i>	2,443.05	
<i>For Class 56 Rating, Add</i>	3,244.72	
40 05 19 00-0997 EA 36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,295.53	2,002.63
<i>For Class 52 Rating, Deduct</i>	-1,238.74	
<i>For Class 54 Rating, Add</i>	1,725.60	
<i>For Class 55 Rating, Add</i>	2,584.08	
<i>For Class 56 Rating, Add</i>	3,431.30	
40 05 19 00-0998 EA 36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,933.04	2,006.42
<i>For Class 52 Rating, Deduct</i>	-1,308.23	
<i>For Class 54 Rating, Add</i>	1,820.43	
<i>For Class 55 Rating, Add</i>	2,725.10	
<i>For Class 56 Rating, Add</i>	3,617.88	
40 05 19 00-0999 EA 36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,570.57	2,010.20
<i>For Class 52 Rating, Deduct</i>	-1,377.73	
<i>For Class 54 Rating, Add</i>	1,915.27	
<i>For Class 55 Rating, Add</i>	2,866.13	
<i>For Class 56 Rating, Add</i>	3,804.47	
40 05 19 00-1000 EA 36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,208.09	2,013.99
<i>For Class 52 Rating, Deduct</i>	-1,447.23	
<i>For Class 54 Rating, Add</i>	2,010.11	
<i>For Class 55 Rating, Add</i>	3,007.16	
<i>For Class 56 Rating, Add</i>	3,991.05	
40 05 19 00-1001 EA 36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,845.62	2,017.77
<i>For Class 52 Rating, Deduct</i>	-1,516.72	
<i>For Class 54 Rating, Add</i>	2,104.95	
<i>For Class 55 Rating, Add</i>	3,148.18	
<i>For Class 56 Rating, Add</i>	4,177.64	
40 05 19 00-1002 EA 36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,483.14	2,021.56
<i>For Class 52 Rating, Deduct</i>	-1,586.22	
<i>For Class 54 Rating, Add</i>	2,199.78	
<i>For Class 55 Rating, Add</i>	3,289.21	
<i>For Class 56 Rating, Add</i>	4,364.22	
40 05 19 00-1003 EA 36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,120.66	2,025.34
<i>For Class 52 Rating, Deduct</i>	-1,655.72	
<i>For Class 54 Rating, Add</i>	2,294.62	
<i>For Class 55 Rating, Add</i>	3,430.24	
<i>For Class 56 Rating, Add</i>	4,550.80	
40 05 19 00-1004 EA 36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,758.19	2,029.13
<i>For Class 52 Rating, Deduct</i>	-1,725.21	
<i>For Class 54 Rating, Add</i>	2,389.46	
<i>For Class 55 Rating, Add</i>	3,571.26	
<i>For Class 56 Rating, Add</i>	4,737.39	
40 05 19 00-1005 EA 36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,395.71	2,032.92
<i>For Class 52 Rating, Deduct</i>	-1,794.71	
<i>For Class 54 Rating, Add</i>	2,484.29	
<i>For Class 55 Rating, Add</i>	3,712.29	
<i>For Class 56 Rating, Add</i>	4,923.97	
40 05 19 00-1006 EA 36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,033.23	2,036.70
<i>For Class 52 Rating, Deduct</i>	-1,864.21	
<i>For Class 54 Rating, Add</i>	2,579.13	
<i>For Class 55 Rating, Add</i>	3,853.31	
<i>For Class 56 Rating, Add</i>	5,110.55	
40 05 19 00-1007 EA 36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,670.75	2,040.49
<i>For Class 52 Rating, Deduct</i>	-1,933.70	
<i>For Class 54 Rating, Add</i>	2,673.97	
<i>For Class 55 Rating, Add</i>	3,994.34	
<i>For Class 56 Rating, Add</i>	5,297.14	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1008	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,308.28	2,044.27
			<i>For Class 52 Rating, Deduct</i>	-2,003.20	
			<i>For Class 54 Rating, Add</i>	2,768.80	
			<i>For Class 55 Rating, Add</i>	4,135.37	
			<i>For Class 56 Rating, Add</i>	5,483.72	
40 05 19 00-1009	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,945.80	2,048.06
			<i>For Class 52 Rating, Deduct</i>	-2,072.70	
			<i>For Class 54 Rating, Add</i>	2,863.64	
			<i>For Class 55 Rating, Add</i>	4,276.39	
			<i>For Class 56 Rating, Add</i>	5,670.31	
40 05 19 00-1010	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,583.32	2,051.84
			<i>For Class 52 Rating, Deduct</i>	-2,142.19	
			<i>For Class 54 Rating, Add</i>	2,958.48	
			<i>For Class 55 Rating, Add</i>	4,417.42	
			<i>For Class 56 Rating, Add</i>	5,856.89	
40 05 19 00-1011	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,220.85	2,055.63
			<i>For Class 52 Rating, Deduct</i>	-2,211.69	
			<i>For Class 54 Rating, Add</i>	3,053.31	
			<i>For Class 55 Rating, Add</i>	4,558.45	
			<i>For Class 56 Rating, Add</i>	6,043.47	
40 05 19 00-1012	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,858.37	2,059.42
			<i>For Class 52 Rating, Deduct</i>	-2,281.19	
			<i>For Class 54 Rating, Add</i>	3,148.15	
			<i>For Class 55 Rating, Add</i>	4,699.47	
			<i>For Class 56 Rating, Add</i>	6,230.06	
40 05 19 00-1013	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,495.90	2,063.20
			<i>For Class 52 Rating, Deduct</i>	-2,350.68	
			<i>For Class 54 Rating, Add</i>	3,242.99	
			<i>For Class 55 Rating, Add</i>	4,840.50	
			<i>For Class 56 Rating, Add</i>	6,416.64	
40 05 19 00-1014	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,133.41	2,066.99
			<i>For Class 52 Rating, Deduct</i>	-2,420.18	
			<i>For Class 54 Rating, Add</i>	3,337.82	
			<i>For Class 55 Rating, Add</i>	4,981.52	
			<i>For Class 56 Rating, Add</i>	6,603.22	
40 05 19 00-1015	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,770.95	2,070.77
			<i>For Class 52 Rating, Deduct</i>	-2,489.68	
			<i>For Class 54 Rating, Add</i>	3,432.66	
			<i>For Class 55 Rating, Add</i>	5,122.55	
			<i>For Class 56 Rating, Add</i>	6,789.81	
40 05 19 00-1016	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,408.47	2,074.56
			<i>For Class 52 Rating, Deduct</i>	-2,559.17	
			<i>For Class 54 Rating, Add</i>	3,527.50	
			<i>For Class 55 Rating, Add</i>	5,263.58	
			<i>For Class 56 Rating, Add</i>	6,976.39	
40 05 19 00-1017	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,046.00	2,078.34
			<i>For Class 52 Rating, Deduct</i>	-2,628.67	
			<i>For Class 54 Rating, Add</i>	3,622.34	
			<i>For Class 55 Rating, Add</i>	5,404.61	
			<i>For Class 56 Rating, Add</i>	7,162.98	
40 05 19 00-1018	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,683.51	2,082.13
			<i>For Class 52 Rating, Deduct</i>	-2,698.16	
			<i>For Class 54 Rating, Add</i>	3,717.17	
			<i>For Class 55 Rating, Add</i>	5,545.63	
			<i>For Class 56 Rating, Add</i>	7,349.56	
40 05 19 00-1019	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,321.04	2,085.91
			<i>For Class 52 Rating, Deduct</i>	-2,767.66	
			<i>For Class 54 Rating, Add</i>	3,812.01	
			<i>For Class 55 Rating, Add</i>	5,686.66	
			<i>For Class 56 Rating, Add</i>	7,536.14	
40 05 19 00-1020	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,958.56	2,089.70
			<i>For Class 52 Rating, Deduct</i>	-2,837.16	
			<i>For Class 54 Rating, Add</i>	3,906.85	
			<i>For Class 55 Rating, Add</i>	5,827.68	
			<i>For Class 56 Rating, Add</i>	7,722.73	
40 05 19 00-1021	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,596.09	2,093.49
			<i>For Class 52 Rating, Deduct</i>	-2,906.66	
			<i>For Class 54 Rating, Add</i>	4,001.68	
			<i>For Class 55 Rating, Add</i>	5,968.71	
			<i>For Class 56 Rating, Add</i>	7,909.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1022 EA 36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,233.61	2,097.27
<i>For Class 52 Rating, Deduct</i>	-2,976.15	
<i>For Class 54 Rating, Add</i>	4,096.52	
<i>For Class 55 Rating, Add</i>	6,109.73	
<i>For Class 56 Rating, Add</i>	8,095.89	
40 05 19 00-1023 EA 36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,871.13	2,101.06
<i>For Class 52 Rating, Deduct</i>	-3,045.65	
<i>For Class 54 Rating, Add</i>	4,191.36	
<i>For Class 55 Rating, Add</i>	6,250.76	
<i>For Class 56 Rating, Add</i>	8,282.48	
40 05 19 00-1024 EA 36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,508.66	2,104.84
<i>For Class 52 Rating, Deduct</i>	-3,115.15	
<i>For Class 54 Rating, Add</i>	4,286.19	
<i>For Class 55 Rating, Add</i>	6,391.79	
<i>For Class 56 Rating, Add</i>	8,469.06	
40 05 19 00-1025 EA 36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,146.18	2,108.63
<i>For Class 52 Rating, Deduct</i>	-3,184.64	
<i>For Class 54 Rating, Add</i>	4,381.03	
<i>For Class 55 Rating, Add</i>	6,532.82	
<i>For Class 56 Rating, Add</i>	8,655.65	
40 05 19 00-1026 EA 36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,783.70	2,112.41
<i>For Class 52 Rating, Deduct</i>	-3,254.14	
<i>For Class 54 Rating, Add</i>	4,475.87	
<i>For Class 55 Rating, Add</i>	6,673.84	
<i>For Class 56 Rating, Add</i>	8,842.23	
40 05 19 00-1027 EA 36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,421.22	2,116.20
<i>For Class 52 Rating, Deduct</i>	-3,323.63	
<i>For Class 54 Rating, Add</i>	4,570.71	
<i>For Class 55 Rating, Add</i>	6,814.87	
<i>For Class 56 Rating, Add</i>	9,028.81	
40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030 EA 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	553.17	185.14
<i>For Class 52 Rating, Deduct</i>	-29.99	
<i>For Class 54 Rating, Add</i>	44.26	
<i>For Class 55 Rating, Add</i>	67.53	
<i>For Class 56 Rating, Add</i>	90.53	
40 05 19 00-1031 EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	606.94	188.38
<i>For Class 52 Rating, Deduct</i>	-35.37	
<i>For Class 54 Rating, Add</i>	51.65	
<i>For Class 55 Rating, Add</i>	78.55	
<i>For Class 56 Rating, Add</i>	105.13	
40 05 19 00-1032 EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	660.74	191.62
<i>For Class 52 Rating, Deduct</i>	-40.75	
<i>For Class 54 Rating, Add</i>	59.05	
<i>For Class 55 Rating, Add</i>	89.57	
<i>For Class 56 Rating, Add</i>	119.73	
40 05 19 00-1033 EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	714.54	194.85
<i>For Class 52 Rating, Deduct</i>	-46.12	
<i>For Class 54 Rating, Add</i>	66.44	
<i>For Class 55 Rating, Add</i>	100.59	
<i>For Class 56 Rating, Add</i>	134.32	
40 05 19 00-1034 EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	768.33	198.09
<i>For Class 52 Rating, Deduct</i>	-51.50	
<i>For Class 54 Rating, Add</i>	73.83	
<i>For Class 55 Rating, Add</i>	111.61	
<i>For Class 56 Rating, Add</i>	148.92	
40 05 19 00-1035 EA 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	822.13	201.33
<i>For Class 52 Rating, Deduct</i>	-56.88	
<i>For Class 54 Rating, Add</i>	81.22	
<i>For Class 55 Rating, Add</i>	122.63	
<i>For Class 56 Rating, Add</i>	163.52	
40 05 19 00-1036 EA 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	875.92	204.57
<i>For Class 52 Rating, Deduct</i>	-62.26	
<i>For Class 54 Rating, Add</i>	88.62	
<i>For Class 55 Rating, Add</i>	133.65	
<i>For Class 56 Rating, Add</i>	178.12	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1037	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	929.70	207.80
			<i>For Class 52 Rating, Deduct</i>	-67.63	
			<i>For Class 54 Rating, Add</i>	96.01	
			<i>For Class 55 Rating, Add</i>	144.67	
			<i>For Class 56 Rating, Add</i>	192.72	
40 05 19 00-1038	EA		4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	983.50	211.04
			<i>For Class 52 Rating, Deduct</i>	-73.01	
			<i>For Class 54 Rating, Add</i>	103.40	
			<i>For Class 55 Rating, Add</i>	155.69	
			<i>For Class 56 Rating, Add</i>	207.32	
40 05 19 00-1039	EA		4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,037.29	214.28
			<i>For Class 52 Rating, Deduct</i>	-78.39	
			<i>For Class 54 Rating, Add</i>	110.79	
			<i>For Class 55 Rating, Add</i>	166.71	
			<i>For Class 56 Rating, Add</i>	221.92	
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,091.09	217.50
			<i>For Class 52 Rating, Deduct</i>	-83.77	
			<i>For Class 54 Rating, Add</i>	118.18	
			<i>For Class 55 Rating, Add</i>	177.73	
			<i>For Class 56 Rating, Add</i>	236.52	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,144.88	220.74
			<i>For Class 52 Rating, Deduct</i>	-89.15	
			<i>For Class 54 Rating, Add</i>	125.58	
			<i>For Class 55 Rating, Add</i>	188.75	
			<i>For Class 56 Rating, Add</i>	251.11	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,198.67	223.99
			<i>For Class 52 Rating, Deduct</i>	-94.52	
			<i>For Class 54 Rating, Add</i>	132.97	
			<i>For Class 55 Rating, Add</i>	199.77	
			<i>For Class 56 Rating, Add</i>	265.71	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,252.46	227.23
			<i>For Class 52 Rating, Deduct</i>	-99.90	
			<i>For Class 54 Rating, Add</i>	140.36	
			<i>For Class 55 Rating, Add</i>	210.79	
			<i>For Class 56 Rating, Add</i>	280.31	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,306.26	230.46
			<i>For Class 52 Rating, Deduct</i>	-105.28	
			<i>For Class 54 Rating, Add</i>	147.75	
			<i>For Class 55 Rating, Add</i>	221.81	
			<i>For Class 56 Rating, Add</i>	294.91	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,360.04	233.69
			<i>For Class 52 Rating, Deduct</i>	-110.66	
			<i>For Class 54 Rating, Add</i>	155.14	
			<i>For Class 55 Rating, Add</i>	232.83	
			<i>For Class 56 Rating, Add</i>	309.51	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,413.84	236.93
			<i>For Class 52 Rating, Deduct</i>	-116.03	
			<i>For Class 54 Rating, Add</i>	162.54	
			<i>For Class 55 Rating, Add</i>	243.85	
			<i>For Class 56 Rating, Add</i>	324.11	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,467.64	240.16
			<i>For Class 52 Rating, Deduct</i>	-121.41	
			<i>For Class 54 Rating, Add</i>	169.93	
			<i>For Class 55 Rating, Add</i>	254.87	
			<i>For Class 56 Rating, Add</i>	338.71	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,521.43	243.41
			<i>For Class 52 Rating, Deduct</i>	-126.79	
			<i>For Class 54 Rating, Add</i>	177.32	
			<i>For Class 55 Rating, Add</i>	265.89	
			<i>For Class 56 Rating, Add</i>	353.31	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,575.22	246.65
			<i>For Class 52 Rating, Deduct</i>	-132.17	
			<i>For Class 54 Rating, Add</i>	184.71	
			<i>For Class 55 Rating, Add</i>	276.91	
			<i>For Class 56 Rating, Add</i>	367.90	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,629.00	249.88
			<i>For Class 52 Rating, Deduct</i>	-137.55	
			<i>For Class 54 Rating, Add</i>	192.10	
			<i>For Class 55 Rating, Add</i>	287.93	
			<i>For Class 56 Rating, Add</i>	382.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1051 EA 4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,682.80	253.11
<i>For Class 52 Rating, Deduct</i>	-142.92	
<i>For Class 54 Rating, Add</i>	199.50	
<i>For Class 55 Rating, Add</i>	298.95	
<i>For Class 56 Rating, Add</i>	397.10	
40 05 19 00-1052 EA 4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,736.60	256.35
<i>For Class 52 Rating, Deduct</i>	-148.30	
<i>For Class 54 Rating, Add</i>	206.89	
<i>For Class 55 Rating, Add</i>	309.97	
<i>For Class 56 Rating, Add</i>	411.70	
40 05 19 00-1053 EA 4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,790.39	259.59
<i>For Class 52 Rating, Deduct</i>	-153.68	
<i>For Class 54 Rating, Add</i>	214.28	
<i>For Class 55 Rating, Add</i>	320.99	
<i>For Class 56 Rating, Add</i>	426.30	
40 05 19 00-1054 EA 4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,844.18	262.81
<i>For Class 52 Rating, Deduct</i>	-159.06	
<i>For Class 54 Rating, Add</i>	221.67	
<i>For Class 55 Rating, Add</i>	332.01	
<i>For Class 56 Rating, Add</i>	440.90	
40 05 19 00-1055 EA 4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,897.97	266.06
<i>For Class 52 Rating, Deduct</i>	-164.43	
<i>For Class 54 Rating, Add</i>	229.06	
<i>For Class 55 Rating, Add</i>	343.03	
<i>For Class 56 Rating, Add</i>	455.49	
40 05 19 00-1056 EA 4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,951.76	269.30
<i>For Class 52 Rating, Deduct</i>	-169.81	
<i>For Class 54 Rating, Add</i>	236.46	
<i>For Class 55 Rating, Add</i>	354.05	
<i>For Class 56 Rating, Add</i>	470.09	
40 05 19 00-1057 EA 4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,005.56	272.54
<i>For Class 52 Rating, Deduct</i>	-175.19	
<i>For Class 54 Rating, Add</i>	243.85	
<i>For Class 55 Rating, Add</i>	365.07	
<i>For Class 56 Rating, Add</i>	484.69	
40 05 19 00-1058 EA 4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,059.36	275.77
<i>For Class 52 Rating, Deduct</i>	-180.57	
<i>For Class 54 Rating, Add</i>	251.24	
<i>For Class 55 Rating, Add</i>	376.09	
<i>For Class 56 Rating, Add</i>	499.29	
40 05 19 00-1059 EA 4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,113.14	279.00
<i>For Class 52 Rating, Deduct</i>	-185.95	
<i>For Class 54 Rating, Add</i>	258.63	
<i>For Class 55 Rating, Add</i>	387.11	
<i>For Class 56 Rating, Add</i>	513.89	
40 05 19 00-1060 EA 4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,166.94	282.25
<i>For Class 52 Rating, Deduct</i>	-191.32	
<i>For Class 54 Rating, Add</i>	266.03	
<i>For Class 55 Rating, Add</i>	398.13	
<i>For Class 56 Rating, Add</i>	528.49	
40 05 19 00-1061 EA 4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,220.72	285.49
<i>For Class 52 Rating, Deduct</i>	-196.70	
<i>For Class 54 Rating, Add</i>	273.42	
<i>For Class 55 Rating, Add</i>	409.15	
<i>For Class 56 Rating, Add</i>	543.08	
40 05 19 00-1062 EA 4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,274.52	288.72
<i>For Class 52 Rating, Deduct</i>	-202.08	
<i>For Class 54 Rating, Add</i>	280.81	
<i>For Class 55 Rating, Add</i>	420.17	
<i>For Class 56 Rating, Add</i>	557.68	
40 05 19 00-1063 EA 4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,328.31	291.95
<i>For Class 52 Rating, Deduct</i>	-207.46	
<i>For Class 54 Rating, Add</i>	288.20	
<i>For Class 55 Rating, Add</i>	431.19	
<i>For Class 56 Rating, Add</i>	572.28	
40 05 19 00-1064 EA 4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,382.10	295.19
<i>For Class 52 Rating, Deduct</i>	-212.83	
<i>For Class 54 Rating, Add</i>	295.59	
<i>For Class 55 Rating, Add</i>	442.21	
<i>For Class 56 Rating, Add</i>	586.88	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1065	EA		4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,435.90	298.42
			<i>For Class 52 Rating, Deduct</i>	-218.21	
			<i>For Class 54 Rating, Add</i>	302.99	
			<i>For Class 55 Rating, Add</i>	453.23	
			<i>For Class 56 Rating, Add</i>	601.48	
40 05 19 00-1066	EA		4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,489.70	301.67
			<i>For Class 52 Rating, Deduct</i>	-223.59	
			<i>For Class 54 Rating, Add</i>	310.38	
			<i>For Class 55 Rating, Add</i>	464.25	
			<i>For Class 56 Rating, Add</i>	616.08	
40 05 19 00-1067	EA		4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,543.48	304.91
			<i>For Class 52 Rating, Deduct</i>	-228.97	
			<i>For Class 54 Rating, Add</i>	317.77	
			<i>For Class 55 Rating, Add</i>	475.26	
			<i>For Class 56 Rating, Add</i>	630.68	
40 05 19 00-1068	EA		4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,597.27	308.14
			<i>For Class 52 Rating, Deduct</i>	-234.34	
			<i>For Class 54 Rating, Add</i>	325.16	
			<i>For Class 55 Rating, Add</i>	486.28	
			<i>For Class 56 Rating, Add</i>	645.28	
40 05 19 00-1069			6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1070	EA		6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	693.44	233.05
			<i>For Class 52 Rating, Deduct</i>	-37.44	
			<i>For Class 54 Rating, Add</i>	55.29	
			<i>For Class 55 Rating, Add</i>	84.37	
			<i>For Class 56 Rating, Add</i>	113.11	
40 05 19 00-1071	EA		6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	758.52	236.29
			<i>For Class 52 Rating, Deduct</i>	-44.06	
			<i>For Class 54 Rating, Add</i>	64.37	
			<i>For Class 55 Rating, Add</i>	97.91	
			<i>For Class 56 Rating, Add</i>	131.04	
40 05 19 00-1072	EA		6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	823.59	239.52
			<i>For Class 52 Rating, Deduct</i>	-50.67	
			<i>For Class 54 Rating, Add</i>	73.46	
			<i>For Class 55 Rating, Add</i>	111.44	
			<i>For Class 56 Rating, Add</i>	148.97	
40 05 19 00-1073	EA		6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	888.67	242.76
			<i>For Class 52 Rating, Deduct</i>	-57.29	
			<i>For Class 54 Rating, Add</i>	82.54	
			<i>For Class 55 Rating, Add</i>	124.98	
			<i>For Class 56 Rating, Add</i>	166.89	
40 05 19 00-1074	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	953.74	245.99
			<i>For Class 52 Rating, Deduct</i>	-63.91	
			<i>For Class 54 Rating, Add</i>	91.63	
			<i>For Class 55 Rating, Add</i>	138.51	
			<i>For Class 56 Rating, Add</i>	184.82	
40 05 19 00-1075	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,018.81	249.22
			<i>For Class 52 Rating, Deduct</i>	-70.53	
			<i>For Class 54 Rating, Add</i>	100.71	
			<i>For Class 55 Rating, Add</i>	152.05	
			<i>For Class 56 Rating, Add</i>	202.75	
40 05 19 00-1076	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,083.89	252.47
			<i>For Class 52 Rating, Deduct</i>	-77.15	
			<i>For Class 54 Rating, Add</i>	109.79	
			<i>For Class 55 Rating, Add</i>	165.58	
			<i>For Class 56 Rating, Add</i>	220.67	
40 05 19 00-1077	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,148.96	255.71
			<i>For Class 52 Rating, Deduct</i>	-83.77	
			<i>For Class 54 Rating, Add</i>	118.88	
			<i>For Class 55 Rating, Add</i>	179.12	
			<i>For Class 56 Rating, Add</i>	238.60	
40 05 19 00-1078	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,214.03	258.95
			<i>For Class 52 Rating, Deduct</i>	-90.39	
			<i>For Class 54 Rating, Add</i>	127.96	
			<i>For Class 55 Rating, Add</i>	192.66	
			<i>For Class 56 Rating, Add</i>	256.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1079 EA 6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,279.11	262.17
<i>For Class 52 Rating, Deduct</i>	-97.01	
<i>For Class 54 Rating, Add</i>	137.05	
<i>For Class 55 Rating, Add</i>	206.19	
<i>For Class 56 Rating, Add</i>	274.45	
40 05 19 00-1080 EA 6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,344.18	265.41
<i>For Class 52 Rating, Deduct</i>	-103.62	
<i>For Class 54 Rating, Add</i>	146.13	
<i>For Class 55 Rating, Add</i>	219.73	
<i>For Class 56 Rating, Add</i>	292.38	
40 05 19 00-1081 EA 6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,409.26	268.66
<i>For Class 52 Rating, Deduct</i>	-110.24	
<i>For Class 54 Rating, Add</i>	155.22	
<i>For Class 55 Rating, Add</i>	233.26	
<i>For Class 56 Rating, Add</i>	310.31	
40 05 19 00-1082 EA 6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,474.34	271.89
<i>For Class 52 Rating, Deduct</i>	-116.86	
<i>For Class 54 Rating, Add</i>	164.30	
<i>For Class 55 Rating, Add</i>	246.80	
<i>For Class 56 Rating, Add</i>	328.23	
40 05 19 00-1083 EA 6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,539.40	275.12
<i>For Class 52 Rating, Deduct</i>	-123.48	
<i>For Class 54 Rating, Add</i>	173.38	
<i>For Class 55 Rating, Add</i>	260.33	
<i>For Class 56 Rating, Add</i>	346.16	
40 05 19 00-1084 EA 6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,604.48	278.36
<i>For Class 52 Rating, Deduct</i>	-130.10	
<i>For Class 54 Rating, Add</i>	182.47	
<i>For Class 55 Rating, Add</i>	273.87	
<i>For Class 56 Rating, Add</i>	364.09	
40 05 19 00-1085 EA 6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,669.56	281.60
<i>For Class 52 Rating, Deduct</i>	-136.72	
<i>For Class 54 Rating, Add</i>	191.55	
<i>For Class 55 Rating, Add</i>	287.40	
<i>For Class 56 Rating, Add</i>	382.01	
40 05 19 00-1086 EA 6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,734.63	284.83
<i>For Class 52 Rating, Deduct</i>	-143.34	
<i>For Class 54 Rating, Add</i>	200.64	
<i>For Class 55 Rating, Add</i>	300.94	
<i>For Class 56 Rating, Add</i>	399.94	
40 05 19 00-1087 EA 6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,799.70	288.08
<i>For Class 52 Rating, Deduct</i>	-149.96	
<i>For Class 54 Rating, Add</i>	209.72	
<i>For Class 55 Rating, Add</i>	314.48	
<i>For Class 56 Rating, Add</i>	417.87	
40 05 19 00-1088 EA 6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,864.77	291.31
<i>For Class 52 Rating, Deduct</i>	-156.57	
<i>For Class 54 Rating, Add</i>	218.81	
<i>For Class 55 Rating, Add</i>	328.01	
<i>For Class 56 Rating, Add</i>	435.79	
40 05 19 00-1089 EA 6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,929.85	294.55
<i>For Class 52 Rating, Deduct</i>	-163.19	
<i>For Class 54 Rating, Add</i>	227.89	
<i>For Class 55 Rating, Add</i>	341.55	
<i>For Class 56 Rating, Add</i>	453.72	
40 05 19 00-1090 EA 6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,994.93	297.78
<i>For Class 52 Rating, Deduct</i>	-169.81	
<i>For Class 54 Rating, Add</i>	236.98	
<i>For Class 55 Rating, Add</i>	355.08	
<i>For Class 56 Rating, Add</i>	471.65	
40 05 19 00-1091 EA 6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,060.00	301.02
<i>For Class 52 Rating, Deduct</i>	-176.43	
<i>For Class 54 Rating, Add</i>	246.06	
<i>For Class 55 Rating, Add</i>	368.62	
<i>For Class 56 Rating, Add</i>	489.57	
40 05 19 00-1092 EA 6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,125.07	304.26
<i>For Class 52 Rating, Deduct</i>	-183.05	
<i>For Class 54 Rating, Add</i>	255.14	
<i>For Class 55 Rating, Add</i>	382.15	
<i>For Class 56 Rating, Add</i>	507.50	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1093	EA		6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,190.15	307.48
			<i>For Class 52 Rating, Deduct</i>	-189.67	
			<i>For Class 54 Rating, Add</i>	264.23	
			<i>For Class 55 Rating, Add</i>	395.69	
			<i>For Class 56 Rating, Add</i>	525.43	
40 05 19 00-1094	EA		6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,255.22	310.73
			<i>For Class 52 Rating, Deduct</i>	-196.29	
			<i>For Class 54 Rating, Add</i>	273.31	
			<i>For Class 55 Rating, Add</i>	409.22	
			<i>For Class 56 Rating, Add</i>	543.35	
40 05 19 00-1095	EA		6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,320.30	313.97
			<i>For Class 52 Rating, Deduct</i>	-202.90	
			<i>For Class 54 Rating, Add</i>	282.40	
			<i>For Class 55 Rating, Add</i>	422.76	
			<i>For Class 56 Rating, Add</i>	561.28	
40 05 19 00-1096	EA		6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,385.37	317.21
			<i>For Class 52 Rating, Deduct</i>	-209.52	
			<i>For Class 54 Rating, Add</i>	291.48	
			<i>For Class 55 Rating, Add</i>	436.30	
			<i>For Class 56 Rating, Add</i>	579.21	
40 05 19 00-1097	EA		6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,450.44	320.43
			<i>For Class 52 Rating, Deduct</i>	-216.14	
			<i>For Class 54 Rating, Add</i>	300.57	
			<i>For Class 55 Rating, Add</i>	449.83	
			<i>For Class 56 Rating, Add</i>	597.13	
40 05 19 00-1098	EA		6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,515.52	323.67
			<i>For Class 52 Rating, Deduct</i>	-222.76	
			<i>For Class 54 Rating, Add</i>	309.65	
			<i>For Class 55 Rating, Add</i>	463.37	
			<i>For Class 56 Rating, Add</i>	615.06	
40 05 19 00-1099	EA		6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,580.59	326.92
			<i>For Class 52 Rating, Deduct</i>	-229.38	
			<i>For Class 54 Rating, Add</i>	318.73	
			<i>For Class 55 Rating, Add</i>	476.90	
			<i>For Class 56 Rating, Add</i>	632.99	
40 05 19 00-1100	EA		6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,645.68	330.15
			<i>For Class 52 Rating, Deduct</i>	-236.00	
			<i>For Class 54 Rating, Add</i>	327.82	
			<i>For Class 55 Rating, Add</i>	490.44	
			<i>For Class 56 Rating, Add</i>	650.92	
40 05 19 00-1101	EA		6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,710.75	333.38
			<i>For Class 52 Rating, Deduct</i>	-242.62	
			<i>For Class 54 Rating, Add</i>	336.90	
			<i>For Class 55 Rating, Add</i>	503.98	
			<i>For Class 56 Rating, Add</i>	668.84	
40 05 19 00-1102	EA		6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,775.82	336.62
			<i>For Class 52 Rating, Deduct</i>	-249.24	
			<i>For Class 54 Rating, Add</i>	345.99	
			<i>For Class 55 Rating, Add</i>	517.51	
			<i>For Class 56 Rating, Add</i>	686.77	
40 05 19 00-1103	EA		6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,840.90	339.86
			<i>For Class 52 Rating, Deduct</i>	-255.86	
			<i>For Class 54 Rating, Add</i>	355.07	
			<i>For Class 55 Rating, Add</i>	531.05	
			<i>For Class 56 Rating, Add</i>	704.70	
40 05 19 00-1104	EA		6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,905.98	343.09
			<i>For Class 52 Rating, Deduct</i>	-262.47	
			<i>For Class 54 Rating, Add</i>	364.16	
			<i>For Class 55 Rating, Add</i>	544.58	
			<i>For Class 56 Rating, Add</i>	722.62	
40 05 19 00-1105	EA		6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,971.04	346.34
			<i>For Class 52 Rating, Deduct</i>	-269.09	
			<i>For Class 54 Rating, Add</i>	373.24	
			<i>For Class 55 Rating, Add</i>	558.12	
			<i>For Class 56 Rating, Add</i>	740.55	
40 05 19 00-1106	EA		6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,036.12	349.57
			<i>For Class 52 Rating, Deduct</i>	-275.71	
			<i>For Class 54 Rating, Add</i>	382.33	
			<i>For Class 55 Rating, Add</i>	571.65	
			<i>For Class 56 Rating, Add</i>	758.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1107 EA 6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,101.20	352.80
For Class 52 Rating, Deduct	-282.33	
For Class 54 Rating, Add	391.41	
For Class 55 Rating, Add	585.19	
For Class 56 Rating, Add	776.40	
40 05 19 00-1108 EA 6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,166.27	356.04
For Class 52 Rating, Deduct	-288.95	
For Class 54 Rating, Add	400.50	
For Class 55 Rating, Add	598.73	
For Class 56 Rating, Add	794.33	
40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1110 EA 8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	945.71	297.78
For Class 52 Rating, Deduct	-54.40	
For Class 54 Rating, Add	79.59	
For Class 55 Rating, Add	121.11	
For Class 56 Rating, Add	162.13	
40 05 19 00-1111 EA 8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,033.35	301.02
For Class 52 Rating, Deduct	-63.50	
For Class 54 Rating, Add	92.06	
For Class 55 Rating, Add	139.68	
For Class 56 Rating, Add	186.71	
40 05 19 00-1112 EA 8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,120.98	304.26
For Class 52 Rating, Deduct	-72.60	
For Class 54 Rating, Add	104.53	
For Class 55 Rating, Add	158.24	
For Class 56 Rating, Add	211.29	
40 05 19 00-1113 EA 8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,208.63	307.48
For Class 52 Rating, Deduct	-81.70	
For Class 54 Rating, Add	117.00	
For Class 55 Rating, Add	176.81	
For Class 56 Rating, Add	235.88	
40 05 19 00-1114 EA 8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,296.26	310.73
For Class 52 Rating, Deduct	-90.80	
For Class 54 Rating, Add	129.47	
For Class 55 Rating, Add	195.38	
For Class 56 Rating, Add	260.46	
40 05 19 00-1115 EA 8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,383.90	313.97
For Class 52 Rating, Deduct	-99.90	
For Class 54 Rating, Add	141.94	
For Class 55 Rating, Add	213.94	
For Class 56 Rating, Add	285.04	
40 05 19 00-1116 EA 8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,471.54	317.21
For Class 52 Rating, Deduct	-109.00	
For Class 54 Rating, Add	154.41	
For Class 55 Rating, Add	232.51	
For Class 56 Rating, Add	309.63	
40 05 19 00-1117 EA 8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,559.17	320.43
For Class 52 Rating, Deduct	-118.10	
For Class 54 Rating, Add	166.88	
For Class 55 Rating, Add	251.08	
For Class 56 Rating, Add	334.21	
40 05 19 00-1118 EA 8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,646.82	323.67
For Class 52 Rating, Deduct	-127.20	
For Class 54 Rating, Add	179.35	
For Class 55 Rating, Add	269.65	
For Class 56 Rating, Add	358.79	
40 05 19 00-1119 EA 8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,734.45	326.92
For Class 52 Rating, Deduct	-136.30	
For Class 54 Rating, Add	191.81	
For Class 55 Rating, Add	288.21	
For Class 56 Rating, Add	383.37	
40 05 19 00-1120 EA 8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,822.09	330.15
For Class 52 Rating, Deduct	-145.40	
For Class 54 Rating, Add	204.28	
For Class 55 Rating, Add	306.78	
For Class 56 Rating, Add	407.96	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,909.73	333.38
			<i>For Class 52 Rating, Deduct</i>	-154.51	
			<i>For Class 54 Rating, Add</i>	216.75	
			<i>For Class 55 Rating, Add</i>	325.35	
			<i>For Class 56 Rating, Add</i>	432.54	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,997.36	336.62
			<i>For Class 52 Rating, Deduct</i>	-163.61	
			<i>For Class 54 Rating, Add</i>	229.22	
			<i>For Class 55 Rating, Add</i>	343.92	
			<i>For Class 56 Rating, Add</i>	457.12	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,085.01	339.86
			<i>For Class 52 Rating, Deduct</i>	-172.71	
			<i>For Class 54 Rating, Add</i>	241.69	
			<i>For Class 55 Rating, Add</i>	362.48	
			<i>For Class 56 Rating, Add</i>	481.71	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,172.65	343.09
			<i>For Class 52 Rating, Deduct</i>	-181.81	
			<i>For Class 54 Rating, Add</i>	254.16	
			<i>For Class 55 Rating, Add</i>	381.05	
			<i>For Class 56 Rating, Add</i>	506.29	
40 05 19 00-1125	EA		8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,260.28	346.34
			<i>For Class 52 Rating, Deduct</i>	-190.91	
			<i>For Class 54 Rating, Add</i>	266.63	
			<i>For Class 55 Rating, Add</i>	399.62	
			<i>For Class 56 Rating, Add</i>	530.87	
40 05 19 00-1126	EA		8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,347.92	349.57
			<i>For Class 52 Rating, Deduct</i>	-200.01	
			<i>For Class 54 Rating, Add</i>	279.10	
			<i>For Class 55 Rating, Add</i>	418.19	
			<i>For Class 56 Rating, Add</i>	555.46	
40 05 19 00-1127	EA		8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,435.56	352.80
			<i>For Class 52 Rating, Deduct</i>	-209.11	
			<i>For Class 54 Rating, Add</i>	291.56	
			<i>For Class 55 Rating, Add</i>	436.75	
			<i>For Class 56 Rating, Add</i>	580.04	
40 05 19 00-1128	EA		8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,523.20	356.04
			<i>For Class 52 Rating, Deduct</i>	-218.21	
			<i>For Class 54 Rating, Add</i>	304.03	
			<i>For Class 55 Rating, Add</i>	455.32	
			<i>For Class 56 Rating, Add</i>	604.62	
40 05 19 00-1129	EA		8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,610.84	359.28
			<i>For Class 52 Rating, Deduct</i>	-227.31	
			<i>For Class 54 Rating, Add</i>	316.50	
			<i>For Class 55 Rating, Add</i>	473.89	
			<i>For Class 56 Rating, Add</i>	629.21	
40 05 19 00-1130	EA		8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,698.48	362.53
			<i>For Class 52 Rating, Deduct</i>	-236.41	
			<i>For Class 54 Rating, Add</i>	328.97	
			<i>For Class 55 Rating, Add</i>	492.46	
			<i>For Class 56 Rating, Add</i>	653.79	
40 05 19 00-1131	EA		8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,786.11	365.75
			<i>For Class 52 Rating, Deduct</i>	-245.51	
			<i>For Class 54 Rating, Add</i>	341.44	
			<i>For Class 55 Rating, Add</i>	511.02	
			<i>For Class 56 Rating, Add</i>	678.37	
40 05 19 00-1132	EA		8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,873.75	368.99
			<i>For Class 52 Rating, Deduct</i>	-254.61	
			<i>For Class 54 Rating, Add</i>	353.91	
			<i>For Class 55 Rating, Add</i>	529.59	
			<i>For Class 56 Rating, Add</i>	702.95	
40 05 19 00-1133	EA		8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,961.39	372.23
			<i>For Class 52 Rating, Deduct</i>	-263.72	
			<i>For Class 54 Rating, Add</i>	366.38	
			<i>For Class 55 Rating, Add</i>	548.16	
			<i>For Class 56 Rating, Add</i>	727.54	
40 05 19 00-1134	EA		8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,049.02	375.47
			<i>For Class 52 Rating, Deduct</i>	-272.82	
			<i>For Class 54 Rating, Add</i>	378.85	
			<i>For Class 55 Rating, Add</i>	566.72	
			<i>For Class 56 Rating, Add</i>	752.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1135 EA 8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,136.67	378.69
<i>For Class 52 Rating, Deduct</i>	-281.92	
<i>For Class 54 Rating, Add</i>	391.32	
<i>For Class 55 Rating, Add</i>	585.29	
<i>For Class 56 Rating, Add</i>	776.71	
40 05 19 00-1136 EA 8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,224.30	381.94
<i>For Class 52 Rating, Deduct</i>	-291.02	
<i>For Class 54 Rating, Add</i>	403.79	
<i>For Class 55 Rating, Add</i>	603.86	
<i>For Class 56 Rating, Add</i>	801.29	
40 05 19 00-1137 EA 8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,311.94	385.18
<i>For Class 52 Rating, Deduct</i>	-300.12	
<i>For Class 54 Rating, Add</i>	416.25	
<i>For Class 55 Rating, Add</i>	622.43	
<i>For Class 56 Rating, Add</i>	825.87	
40 05 19 00-1138 EA 8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,399.59	388.41
<i>For Class 52 Rating, Deduct</i>	-309.22	
<i>For Class 54 Rating, Add</i>	428.72	
<i>For Class 55 Rating, Add</i>	641.00	
<i>For Class 56 Rating, Add</i>	850.45	
40 05 19 00-1139 EA 8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,487.21	391.65
<i>For Class 52 Rating, Deduct</i>	-318.32	
<i>For Class 54 Rating, Add</i>	441.19	
<i>For Class 55 Rating, Add</i>	659.56	
<i>For Class 56 Rating, Add</i>	875.04	
40 05 19 00-1140 EA 8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,574.86	394.88
<i>For Class 52 Rating, Deduct</i>	-327.42	
<i>For Class 54 Rating, Add</i>	453.66	
<i>For Class 55 Rating, Add</i>	678.13	
<i>For Class 56 Rating, Add</i>	899.62	
40 05 19 00-1141 EA 8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,662.50	398.13
<i>For Class 52 Rating, Deduct</i>	-336.52	
<i>For Class 54 Rating, Add</i>	466.13	
<i>For Class 55 Rating, Add</i>	696.70	
<i>For Class 56 Rating, Add</i>	924.20	
40 05 19 00-1142 EA 8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,750.13	401.36
<i>For Class 52 Rating, Deduct</i>	-345.62	
<i>For Class 54 Rating, Add</i>	478.60	
<i>For Class 55 Rating, Add</i>	715.26	
<i>For Class 56 Rating, Add</i>	948.79	
40 05 19 00-1143 EA 8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,837.78	404.60
<i>For Class 52 Rating, Deduct</i>	-354.72	
<i>For Class 54 Rating, Add</i>	491.07	
<i>For Class 55 Rating, Add</i>	733.83	
<i>For Class 56 Rating, Add</i>	973.37	
40 05 19 00-1144 EA 8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,925.40	407.83
<i>For Class 52 Rating, Deduct</i>	-363.82	
<i>For Class 54 Rating, Add</i>	503.54	
<i>For Class 55 Rating, Add</i>	752.40	
<i>For Class 56 Rating, Add</i>	997.95	
40 05 19 00-1145 EA 8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,013.05	411.06
<i>For Class 52 Rating, Deduct</i>	-372.92	
<i>For Class 54 Rating, Add</i>	516.01	
<i>For Class 55 Rating, Add</i>	770.97	
<i>For Class 56 Rating, Add</i>	1,022.54	
40 05 19 00-1146 EA 8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,100.69	414.30
<i>For Class 52 Rating, Deduct</i>	-382.02	
<i>For Class 54 Rating, Add</i>	528.48	
<i>For Class 55 Rating, Add</i>	789.53	
<i>For Class 56 Rating, Add</i>	1,047.12	
40 05 19 00-1147 EA 8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,188.33	417.55
<i>For Class 52 Rating, Deduct</i>	-391.13	
<i>For Class 54 Rating, Add</i>	540.95	
<i>For Class 55 Rating, Add</i>	808.10	
<i>For Class 56 Rating, Add</i>	1,071.70	
40 05 19 00-1148 EA 8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,275.96	420.79
<i>For Class 52 Rating, Deduct</i>	-400.23	
<i>For Class 54 Rating, Add</i>	553.41	
<i>For Class 55 Rating, Add</i>	826.67	
<i>For Class 56 Rating, Add</i>	1,096.29	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1149			10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,186.70	362.53
			For Class 52 Rating, Deduct	-70.12	
			For Class 54 Rating, Add	102.21	
			For Class 55 Rating, Add	155.33	
			For Class 56 Rating, Add	207.82	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,300.66	365.75
			For Class 52 Rating, Deduct	-82.11	
			For Class 54 Rating, Add	118.62	
			For Class 55 Rating, Add	179.77	
			For Class 56 Rating, Add	240.16	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,414.63	368.99
			For Class 52 Rating, Deduct	-94.11	
			For Class 54 Rating, Add	135.04	
			For Class 55 Rating, Add	204.21	
			For Class 56 Rating, Add	272.51	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,528.58	372.23
			For Class 52 Rating, Deduct	-106.11	
			For Class 54 Rating, Add	151.46	
			For Class 55 Rating, Add	228.64	
			For Class 56 Rating, Add	304.86	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,642.54	375.47
			For Class 52 Rating, Deduct	-118.10	
			For Class 54 Rating, Add	167.88	
			For Class 55 Rating, Add	253.08	
			For Class 56 Rating, Add	337.21	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,756.51	378.69
			For Class 52 Rating, Deduct	-130.10	
			For Class 54 Rating, Add	184.29	
			For Class 55 Rating, Add	277.52	
			For Class 56 Rating, Add	369.56	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,870.47	381.94
			For Class 52 Rating, Deduct	-142.10	
			For Class 54 Rating, Add	200.71	
			For Class 55 Rating, Add	301.96	
			For Class 56 Rating, Add	401.91	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,984.44	385.18
			For Class 52 Rating, Deduct	-154.09	
			For Class 54 Rating, Add	217.13	
			For Class 55 Rating, Add	326.39	
			For Class 56 Rating, Add	434.26	
40 05 19 00-1158	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,098.41	388.41
			For Class 52 Rating, Deduct	-166.09	
			For Class 54 Rating, Add	233.55	
			For Class 55 Rating, Add	350.83	
			For Class 56 Rating, Add	466.61	
40 05 19 00-1159	EA		10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,212.36	391.65
			For Class 52 Rating, Deduct	-178.09	
			For Class 54 Rating, Add	249.96	
			For Class 55 Rating, Add	375.27	
			For Class 56 Rating, Add	498.96	
40 05 19 00-1160	EA		10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,326.32	394.88
			For Class 52 Rating, Deduct	-190.08	
			For Class 54 Rating, Add	266.38	
			For Class 55 Rating, Add	399.71	
			For Class 56 Rating, Add	531.30	
40 05 19 00-1161	EA		10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,440.29	398.13
			For Class 52 Rating, Deduct	-202.08	
			For Class 54 Rating, Add	282.80	
			For Class 55 Rating, Add	424.14	
			For Class 56 Rating, Add	563.65	
40 05 19 00-1162	EA		10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,554.25	401.36
			For Class 52 Rating, Deduct	-214.07	
			For Class 54 Rating, Add	299.22	
			For Class 55 Rating, Add	448.58	
			For Class 56 Rating, Add	596.00	
40 05 19 00-1163	EA		10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,668.22	404.60
			For Class 52 Rating, Deduct	-226.07	
			For Class 54 Rating, Add	315.63	
			For Class 55 Rating, Add	473.02	
			For Class 56 Rating, Add	628.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1164 EA 10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,782.17	407.83
<i>For Class 52 Rating, Deduct</i>	-238.07	
<i>For Class 54 Rating, Add</i>	332.05	
<i>For Class 55 Rating, Add</i>	497.46	
<i>For Class 56 Rating, Add</i>	660.70	
40 05 19 00-1165 EA 10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,896.14	411.06
<i>For Class 52 Rating, Deduct</i>	-250.06	
<i>For Class 54 Rating, Add</i>	348.47	
<i>For Class 55 Rating, Add</i>	521.90	
<i>For Class 56 Rating, Add</i>	693.05	
40 05 19 00-1166 EA 10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,010.11	414.30
<i>For Class 52 Rating, Deduct</i>	-262.06	
<i>For Class 54 Rating, Add</i>	364.89	
<i>For Class 55 Rating, Add</i>	546.33	
<i>For Class 56 Rating, Add</i>	725.40	
40 05 19 00-1167 EA 10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,124.06	417.55
<i>For Class 52 Rating, Deduct</i>	-274.06	
<i>For Class 54 Rating, Add</i>	381.30	
<i>For Class 55 Rating, Add</i>	570.77	
<i>For Class 56 Rating, Add</i>	757.74	
40 05 19 00-1168 EA 10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,238.02	420.79
<i>For Class 52 Rating, Deduct</i>	-286.05	
<i>For Class 54 Rating, Add</i>	397.72	
<i>For Class 55 Rating, Add</i>	595.21	
<i>For Class 56 Rating, Add</i>	790.09	
40 05 19 00-1169 EA 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,351.99	424.01
<i>For Class 52 Rating, Deduct</i>	-298.05	
<i>For Class 54 Rating, Add</i>	414.14	
<i>For Class 55 Rating, Add</i>	619.65	
<i>For Class 56 Rating, Add</i>	822.44	
40 05 19 00-1170 EA 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,465.95	427.25
<i>For Class 52 Rating, Deduct</i>	-310.05	
<i>For Class 54 Rating, Add</i>	430.56	
<i>For Class 55 Rating, Add</i>	644.08	
<i>For Class 56 Rating, Add</i>	854.79	
40 05 19 00-1171 EA 10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,579.92	430.49
<i>For Class 52 Rating, Deduct</i>	-322.04	
<i>For Class 54 Rating, Add</i>	446.98	
<i>For Class 55 Rating, Add</i>	668.52	
<i>For Class 56 Rating, Add</i>	887.14	
40 05 19 00-1172 EA 10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,693.89	433.72
<i>For Class 52 Rating, Deduct</i>	-334.04	
<i>For Class 54 Rating, Add</i>	463.39	
<i>For Class 55 Rating, Add</i>	692.96	
<i>For Class 56 Rating, Add</i>	919.49	
40 05 19 00-1173 EA 10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,807.84	436.96
<i>For Class 52 Rating, Deduct</i>	-346.04	
<i>For Class 54 Rating, Add</i>	479.81	
<i>For Class 55 Rating, Add</i>	717.40	
<i>For Class 56 Rating, Add</i>	951.84	
40 05 19 00-1174 EA 10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,921.80	440.20
<i>For Class 52 Rating, Deduct</i>	-358.03	
<i>For Class 54 Rating, Add</i>	496.23	
<i>For Class 55 Rating, Add</i>	741.83	
<i>For Class 56 Rating, Add</i>	984.19	
40 05 19 00-1175 EA 10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,035.76	443.44
<i>For Class 52 Rating, Deduct</i>	-370.03	
<i>For Class 54 Rating, Add</i>	512.65	
<i>For Class 55 Rating, Add</i>	766.27	
<i>For Class 56 Rating, Add</i>	1,016.53	
40 05 19 00-1176 EA 10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,149.73	446.67
<i>For Class 52 Rating, Deduct</i>	-382.02	
<i>For Class 54 Rating, Add</i>	529.06	
<i>For Class 55 Rating, Add</i>	790.71	
<i>For Class 56 Rating, Add</i>	1,048.88	
40 05 19 00-1177 EA 10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,263.69	449.91
<i>For Class 52 Rating, Deduct</i>	-394.02	
<i>For Class 54 Rating, Add</i>	545.48	
<i>For Class 55 Rating, Add</i>	815.15	
<i>For Class 56 Rating, Add</i>	1,081.23	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1178	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,377.65	453.15
			<i>For Class 52 Rating, Deduct</i>	-406.02	
			<i>For Class 54 Rating, Add</i>	561.90	
			<i>For Class 55 Rating, Add</i>	839.59	
			<i>For Class 56 Rating, Add</i>	1,113.58	
40 05 19 00-1179	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,491.62	456.39
			<i>For Class 52 Rating, Deduct</i>	-418.01	
			<i>For Class 54 Rating, Add</i>	578.32	
			<i>For Class 55 Rating, Add</i>	864.02	
			<i>For Class 56 Rating, Add</i>	1,145.93	
40 05 19 00-1180	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,605.59	459.62
			<i>For Class 52 Rating, Deduct</i>	-430.01	
			<i>For Class 54 Rating, Add</i>	594.74	
			<i>For Class 55 Rating, Add</i>	888.46	
			<i>For Class 56 Rating, Add</i>	1,178.28	
40 05 19 00-1181	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,719.54	462.86
			<i>For Class 52 Rating, Deduct</i>	-442.01	
			<i>For Class 54 Rating, Add</i>	611.15	
			<i>For Class 55 Rating, Add</i>	912.90	
			<i>For Class 56 Rating, Add</i>	1,210.63	
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,833.50	466.10
			<i>For Class 52 Rating, Deduct</i>	-454.00	
			<i>For Class 54 Rating, Add</i>	627.57	
			<i>For Class 55 Rating, Add</i>	937.34	
			<i>For Class 56 Rating, Add</i>	1,242.98	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,947.47	469.32
			<i>For Class 52 Rating, Deduct</i>	-466.00	
			<i>For Class 54 Rating, Add</i>	643.99	
			<i>For Class 55 Rating, Add</i>	961.77	
			<i>For Class 56 Rating, Add</i>	1,275.33	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,061.43	472.56
			<i>For Class 52 Rating, Deduct</i>	-478.00	
			<i>For Class 54 Rating, Add</i>	660.41	
			<i>For Class 55 Rating, Add</i>	986.21	
			<i>For Class 56 Rating, Add</i>	1,307.68	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,175.40	475.81
			<i>For Class 52 Rating, Deduct</i>	-489.99	
			<i>For Class 54 Rating, Add</i>	676.82	
			<i>For Class 55 Rating, Add</i>	1,010.65	
			<i>For Class 56 Rating, Add</i>	1,340.02	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,289.35	479.05
			<i>For Class 52 Rating, Deduct</i>	-501.99	
			<i>For Class 54 Rating, Add</i>	693.24	
			<i>For Class 55 Rating, Add</i>	1,035.09	
			<i>For Class 56 Rating, Add</i>	1,372.37	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,403.32	482.27
			<i>For Class 52 Rating, Deduct</i>	-513.99	
			<i>For Class 54 Rating, Add</i>	709.66	
			<i>For Class 55 Rating, Add</i>	1,059.53	
			<i>For Class 56 Rating, Add</i>	1,404.72	
40 05 19 00-1188	EA		10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,517.28	485.51
			<i>For Class 52 Rating, Deduct</i>	-525.98	
			<i>For Class 54 Rating, Add</i>	726.08	
			<i>For Class 55 Rating, Add</i>	1,083.96	
			<i>For Class 56 Rating, Add</i>	1,437.07	
40 05 19 00-1189			12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1190	EA		12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,536.48	453.15
			<i>For Class 52 Rating, Deduct</i>	-93.49	
			<i>For Class 54 Rating, Add</i>	135.72	
			<i>For Class 55 Rating, Add</i>	206.01	
			<i>For Class 56 Rating, Add</i>	275.44	
40 05 19 00-1191	EA		12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,678.66	456.39
			<i>For Class 52 Rating, Deduct</i>	-108.59	
			<i>For Class 54 Rating, Add</i>	156.37	
			<i>For Class 55 Rating, Add</i>	236.73	
			<i>For Class 56 Rating, Add</i>	316.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1192 EA 12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,820.83	459.62
<i>For Class 52 Rating, Deduct</i>	-123.69	
<i>For Class 54 Rating, Add</i>	177.02	
<i>For Class 55 Rating, Add</i>	267.46	
<i>For Class 56 Rating, Add</i>	356.78	
40 05 19 00-1193 EA 12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,962.99	462.86
<i>For Class 52 Rating, Deduct</i>	-138.79	
<i>For Class 54 Rating, Add</i>	197.67	
<i>For Class 55 Rating, Add</i>	298.19	
<i>For Class 56 Rating, Add</i>	397.45	
40 05 19 00-1194 EA 12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,105.16	466.10
<i>For Class 52 Rating, Deduct</i>	-153.89	
<i>For Class 54 Rating, Add</i>	218.32	
<i>For Class 55 Rating, Add</i>	328.92	
<i>For Class 56 Rating, Add</i>	438.12	
40 05 19 00-1195 EA 12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,247.33	469.32
<i>For Class 52 Rating, Deduct</i>	-168.98	
<i>For Class 54 Rating, Add</i>	238.97	
<i>For Class 55 Rating, Add</i>	359.64	
<i>For Class 56 Rating, Add</i>	478.78	
40 05 19 00-1196 EA 12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,389.49	472.56
<i>For Class 52 Rating, Deduct</i>	-184.08	
<i>For Class 54 Rating, Add</i>	259.61	
<i>For Class 55 Rating, Add</i>	390.37	
<i>For Class 56 Rating, Add</i>	519.45	
40 05 19 00-1197 EA 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,531.67	475.81
<i>For Class 52 Rating, Deduct</i>	-199.18	
<i>For Class 54 Rating, Add</i>	280.26	
<i>For Class 55 Rating, Add</i>	421.10	
<i>For Class 56 Rating, Add</i>	560.12	
40 05 19 00-1198 EA 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,673.82	479.05
<i>For Class 52 Rating, Deduct</i>	-214.28	
<i>For Class 54 Rating, Add</i>	300.91	
<i>For Class 55 Rating, Add</i>	451.83	
<i>For Class 56 Rating, Add</i>	600.79	
40 05 19 00-1199 EA 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,815.99	482.27
<i>For Class 52 Rating, Deduct</i>	-229.38	
<i>For Class 54 Rating, Add</i>	321.56	
<i>For Class 55 Rating, Add</i>	482.55	
<i>For Class 56 Rating, Add</i>	641.46	
40 05 19 00-1200 EA 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,958.17	485.51
<i>For Class 52 Rating, Deduct</i>	-244.48	
<i>For Class 54 Rating, Add</i>	342.21	
<i>For Class 55 Rating, Add</i>	513.28	
<i>For Class 56 Rating, Add</i>	682.13	
40 05 19 00-1201 EA 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,100.33	488.76
<i>For Class 52 Rating, Deduct</i>	-259.58	
<i>For Class 54 Rating, Add</i>	362.86	
<i>For Class 55 Rating, Add</i>	544.01	
<i>For Class 56 Rating, Add</i>	722.80	
40 05 19 00-1202 EA 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,242.50	491.98
<i>For Class 52 Rating, Deduct</i>	-274.68	
<i>For Class 54 Rating, Add</i>	383.50	
<i>For Class 55 Rating, Add</i>	574.73	
<i>For Class 56 Rating, Add</i>	763.47	
40 05 19 00-1203 EA 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,384.67	495.23
<i>For Class 52 Rating, Deduct</i>	-289.78	
<i>For Class 54 Rating, Add</i>	404.15	
<i>For Class 55 Rating, Add</i>	605.46	
<i>For Class 56 Rating, Add</i>	804.14	
40 05 19 00-1204 EA 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,526.83	498.46
<i>For Class 52 Rating, Deduct</i>	-304.87	
<i>For Class 54 Rating, Add</i>	424.80	
<i>For Class 55 Rating, Add</i>	636.19	
<i>For Class 56 Rating, Add</i>	844.81	
40 05 19 00-1205 EA 12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,669.01	501.70
<i>For Class 52 Rating, Deduct</i>	-319.97	
<i>For Class 54 Rating, Add</i>	445.45	
<i>For Class 55 Rating, Add</i>	666.92	
<i>For Class 56 Rating, Add</i>	885.48	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1206	EA		12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,811.18	504.93
			<i>For Class 52 Rating, Deduct</i>	-335.07	
			<i>For Class 54 Rating, Add</i>	466.10	
			<i>For Class 55 Rating, Add</i>	697.65	
			<i>For Class 56 Rating, Add</i>	926.15	
40 05 19 00-1207	EA		12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,953.33	508.17
			<i>For Class 52 Rating, Deduct</i>	-350.17	
			<i>For Class 54 Rating, Add</i>	486.75	
			<i>For Class 55 Rating, Add</i>	728.37	
			<i>For Class 56 Rating, Add</i>	966.82	
40 05 19 00-1208	EA		12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,095.51	511.41
			<i>For Class 52 Rating, Deduct</i>	-365.27	
			<i>For Class 54 Rating, Add</i>	507.40	
			<i>For Class 55 Rating, Add</i>	759.10	
			<i>For Class 56 Rating, Add</i>	1,007.49	
40 05 19 00-1209	EA		12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,237.68	514.64
			<i>For Class 52 Rating, Deduct</i>	-380.37	
			<i>For Class 54 Rating, Add</i>	528.04	
			<i>For Class 55 Rating, Add</i>	789.83	
			<i>For Class 56 Rating, Add</i>	1,048.16	
40 05 19 00-1210	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,379.84	517.88
			<i>For Class 52 Rating, Deduct</i>	-395.47	
			<i>For Class 54 Rating, Add</i>	548.69	
			<i>For Class 55 Rating, Add</i>	820.55	
			<i>For Class 56 Rating, Add</i>	1,088.82	
40 05 19 00-1211	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,522.02	521.12
			<i>For Class 52 Rating, Deduct</i>	-410.57	
			<i>For Class 54 Rating, Add</i>	569.34	
			<i>For Class 55 Rating, Add</i>	851.28	
			<i>For Class 56 Rating, Add</i>	1,129.49	
40 05 19 00-1212	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,664.17	524.36
			<i>For Class 52 Rating, Deduct</i>	-425.67	
			<i>For Class 54 Rating, Add</i>	589.99	
			<i>For Class 55 Rating, Add</i>	882.01	
			<i>For Class 56 Rating, Add</i>	1,170.16	
40 05 19 00-1213	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,806.34	527.58
			<i>For Class 52 Rating, Deduct</i>	-440.77	
			<i>For Class 54 Rating, Add</i>	610.64	
			<i>For Class 55 Rating, Add</i>	912.74	
			<i>For Class 56 Rating, Add</i>	1,210.83	
40 05 19 00-1214	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,948.52	530.83
			<i>For Class 52 Rating, Deduct</i>	-455.87	
			<i>For Class 54 Rating, Add</i>	631.29	
			<i>For Class 55 Rating, Add</i>	943.47	
			<i>For Class 56 Rating, Add</i>	1,251.50	
40 05 19 00-1215	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,090.68	534.07
			<i>For Class 52 Rating, Deduct</i>	-470.96	
			<i>For Class 54 Rating, Add</i>	651.93	
			<i>For Class 55 Rating, Add</i>	974.19	
			<i>For Class 56 Rating, Add</i>	1,292.17	
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,232.85	537.31
			<i>For Class 52 Rating, Deduct</i>	-486.06	
			<i>For Class 54 Rating, Add</i>	672.58	
			<i>For Class 55 Rating, Add</i>	1,004.92	
			<i>For Class 56 Rating, Add</i>	1,332.84	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,375.02	540.53
			<i>For Class 52 Rating, Deduct</i>	-501.16	
			<i>For Class 54 Rating, Add</i>	693.23	
			<i>For Class 55 Rating, Add</i>	1,035.65	
			<i>For Class 56 Rating, Add</i>	1,373.51	
40 05 19 00-1218	EA		12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,517.18	543.77
			<i>For Class 52 Rating, Deduct</i>	-516.26	
			<i>For Class 54 Rating, Add</i>	713.88	
			<i>For Class 55 Rating, Add</i>	1,066.38	
			<i>For Class 56 Rating, Add</i>	1,414.18	
40 05 19 00-1219	EA		12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,659.35	547.02
			<i>For Class 52 Rating, Deduct</i>	-531.36	
			<i>For Class 54 Rating, Add</i>	734.53	
			<i>For Class 55 Rating, Add</i>	1,097.10	
			<i>For Class 56 Rating, Add</i>	1,454.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1220 EA 12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,801.53	550.25
<i>For Class 52 Rating, Deduct</i>	-546.46	
<i>For Class 54 Rating, Add</i>	755.18	
<i>For Class 55 Rating, Add</i>	1,127.83	
<i>For Class 56 Rating, Add</i>	1,495.52	
40 05 19 00-1221 EA 12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,943.68	553.49
<i>For Class 52 Rating, Deduct</i>	-561.56	
<i>For Class 54 Rating, Add</i>	775.82	
<i>For Class 55 Rating, Add</i>	1,158.56	
<i>For Class 56 Rating, Add</i>	1,536.19	
40 05 19 00-1222 EA 12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,085.85	556.72
<i>For Class 52 Rating, Deduct</i>	-576.66	
<i>For Class 54 Rating, Add</i>	796.47	
<i>For Class 55 Rating, Add</i>	1,189.28	
<i>For Class 56 Rating, Add</i>	1,576.85	
40 05 19 00-1223 EA 12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,228.02	559.96
<i>For Class 52 Rating, Deduct</i>	-591.76	
<i>For Class 54 Rating, Add</i>	817.12	
<i>For Class 55 Rating, Add</i>	1,220.01	
<i>For Class 56 Rating, Add</i>	1,617.53	
40 05 19 00-1224 EA 12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,370.19	563.19
<i>For Class 52 Rating, Deduct</i>	-606.85	
<i>For Class 54 Rating, Add</i>	837.77	
<i>For Class 55 Rating, Add</i>	1,250.74	
<i>For Class 56 Rating, Add</i>	1,658.19	
40 05 19 00-1225 EA 12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,512.36	566.44
<i>For Class 52 Rating, Deduct</i>	-621.95	
<i>For Class 54 Rating, Add</i>	858.42	
<i>For Class 55 Rating, Add</i>	1,281.47	
<i>For Class 56 Rating, Add</i>	1,698.86	
40 05 19 00-1226 EA 12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,654.52	569.68
<i>For Class 52 Rating, Deduct</i>	-637.05	
<i>For Class 54 Rating, Add</i>	879.07	
<i>For Class 55 Rating, Add</i>	1,312.20	
<i>For Class 56 Rating, Add</i>	1,739.53	
40 05 19 00-1227 EA 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,796.69	572.90
<i>For Class 52 Rating, Deduct</i>	-652.15	
<i>For Class 54 Rating, Add</i>	899.71	
<i>For Class 55 Rating, Add</i>	1,342.92	
<i>For Class 56 Rating, Add</i>	1,780.20	
40 05 19 00-1228 EA 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,938.86	576.14
<i>For Class 52 Rating, Deduct</i>	-667.25	
<i>For Class 54 Rating, Add</i>	920.36	
<i>For Class 55 Rating, Add</i>	1,373.65	
<i>For Class 56 Rating, Add</i>	1,820.87	
40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1230 EA 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,036.71	543.77
<i>For Class 52 Rating, Deduct</i>	-133.41	
<i>For Class 54 Rating, Add</i>	191.81	
<i>For Class 55 Rating, Add</i>	290.23	
<i>For Class 56 Rating, Add</i>	387.44	
40 05 19 00-1231 EA 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,208.96	547.02
<i>For Class 52 Rating, Deduct</i>	-151.82	
<i>For Class 54 Rating, Add</i>	216.97	
<i>For Class 55 Rating, Add</i>	327.66	
<i>For Class 56 Rating, Add</i>	436.98	
40 05 19 00-1232 EA 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,381.22	550.25
<i>For Class 52 Rating, Deduct</i>	-170.23	
<i>For Class 54 Rating, Add</i>	242.13	
<i>For Class 55 Rating, Add</i>	365.10	
<i>For Class 56 Rating, Add</i>	486.53	
40 05 19 00-1233 EA 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,553.46	553.49
<i>For Class 52 Rating, Deduct</i>	-188.63	
<i>For Class 54 Rating, Add</i>	267.29	
<i>For Class 55 Rating, Add</i>	402.54	
<i>For Class 56 Rating, Add</i>	536.07	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1234	EA		14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,725.72	556.72
			<i>For Class 52 Rating, Deduct</i>	-207.04	
			<i>For Class 54 Rating, Add</i>	292.45	
			<i>For Class 55 Rating, Add</i>	439.98	
			<i>For Class 56 Rating, Add</i>	585.62	
40 05 19 00-1235	EA		14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,897.97	559.96
			<i>For Class 52 Rating, Deduct</i>	-225.45	
			<i>For Class 54 Rating, Add</i>	317.61	
			<i>For Class 55 Rating, Add</i>	477.41	
			<i>For Class 56 Rating, Add</i>	635.16	
40 05 19 00-1236	EA		14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,070.23	563.19
			<i>For Class 52 Rating, Deduct</i>	-243.86	
			<i>For Class 54 Rating, Add</i>	342.77	
			<i>For Class 55 Rating, Add</i>	514.85	
			<i>For Class 56 Rating, Add</i>	684.71	
40 05 19 00-1237	EA		14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,242.49	566.44
			<i>For Class 52 Rating, Deduct</i>	-262.27	
			<i>For Class 54 Rating, Add</i>	367.94	
			<i>For Class 55 Rating, Add</i>	552.29	
			<i>For Class 56 Rating, Add</i>	734.25	
40 05 19 00-1238	EA		14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,414.72	569.68
			<i>For Class 52 Rating, Deduct</i>	-280.67	
			<i>For Class 54 Rating, Add</i>	393.10	
			<i>For Class 55 Rating, Add</i>	589.72	
			<i>For Class 56 Rating, Add</i>	783.79	
40 05 19 00-1239	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,586.98	572.90
			<i>For Class 52 Rating, Deduct</i>	-299.08	
			<i>For Class 54 Rating, Add</i>	418.26	
			<i>For Class 55 Rating, Add</i>	627.16	
			<i>For Class 56 Rating, Add</i>	833.34	
40 05 19 00-1240	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,759.24	576.14
			<i>For Class 52 Rating, Deduct</i>	-317.49	
			<i>For Class 54 Rating, Add</i>	443.42	
			<i>For Class 55 Rating, Add</i>	664.59	
			<i>For Class 56 Rating, Add</i>	882.88	
40 05 19 00-1241	EA		14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,931.49	579.38
			<i>For Class 52 Rating, Deduct</i>	-335.90	
			<i>For Class 54 Rating, Add</i>	468.58	
			<i>For Class 55 Rating, Add</i>	702.03	
			<i>For Class 56 Rating, Add</i>	932.43	
40 05 19 00-1242	EA		14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,103.74	582.63
			<i>For Class 52 Rating, Deduct</i>	-354.31	
			<i>For Class 54 Rating, Add</i>	493.74	
			<i>For Class 55 Rating, Add</i>	739.47	
			<i>For Class 56 Rating, Add</i>	981.97	
40 05 19 00-1243	EA		14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,276.00	585.85
			<i>For Class 52 Rating, Deduct</i>	-372.72	
			<i>For Class 54 Rating, Add</i>	518.90	
			<i>For Class 55 Rating, Add</i>	776.90	
			<i>For Class 56 Rating, Add</i>	1,031.52	
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,448.25	589.09
			<i>For Class 52 Rating, Deduct</i>	-391.13	
			<i>For Class 54 Rating, Add</i>	544.06	
			<i>For Class 55 Rating, Add</i>	814.34	
			<i>For Class 56 Rating, Add</i>	1,081.06	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,620.50	592.33
			<i>For Class 52 Rating, Deduct</i>	-409.53	
			<i>For Class 54 Rating, Add</i>	569.22	
			<i>For Class 55 Rating, Add</i>	851.77	
			<i>For Class 56 Rating, Add</i>	1,130.60	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,792.75	595.56
			<i>For Class 52 Rating, Deduct</i>	-427.94	
			<i>For Class 54 Rating, Add</i>	594.39	
			<i>For Class 55 Rating, Add</i>	889.21	
			<i>For Class 56 Rating, Add</i>	1,180.15	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,965.00	598.80
			<i>For Class 52 Rating, Deduct</i>	-446.35	
			<i>For Class 54 Rating, Add</i>	619.55	
			<i>For Class 55 Rating, Add</i>	926.65	
			<i>For Class 56 Rating, Add</i>	1,229.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1248 EA 14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,137.26	602.04
<i>For Class 52 Rating, Deduct</i>	-464.76	
<i>For Class 54 Rating, Add</i>	644.71	
<i>For Class 55 Rating, Add</i>	964.09	
<i>For Class 56 Rating, Add</i>	1,279.24	
40 05 19 00-1249 EA 14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,309.51	605.28
<i>For Class 52 Rating, Deduct</i>	-483.17	
<i>For Class 54 Rating, Add</i>	669.87	
<i>For Class 55 Rating, Add</i>	1,001.52	
<i>For Class 56 Rating, Add</i>	1,328.78	
40 05 19 00-1250 EA 14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,481.77	608.51
<i>For Class 52 Rating, Deduct</i>	-501.58	
<i>For Class 54 Rating, Add</i>	695.03	
<i>For Class 55 Rating, Add</i>	1,038.96	
<i>For Class 56 Rating, Add</i>	1,378.33	
40 05 19 00-1251 EA 14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,654.01	611.75
<i>For Class 52 Rating, Deduct</i>	-519.98	
<i>For Class 54 Rating, Add</i>	720.19	
<i>For Class 55 Rating, Add</i>	1,076.39	
<i>For Class 56 Rating, Add</i>	1,427.87	
40 05 19 00-1252 EA 14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,826.26	614.98
<i>For Class 52 Rating, Deduct</i>	-538.39	
<i>For Class 54 Rating, Add</i>	745.35	
<i>For Class 55 Rating, Add</i>	1,113.83	
<i>For Class 56 Rating, Add</i>	1,477.41	
40 05 19 00-1253 EA 14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,998.52	618.23
<i>For Class 52 Rating, Deduct</i>	-556.80	
<i>For Class 54 Rating, Add</i>	770.51	
<i>For Class 55 Rating, Add</i>	1,151.27	
<i>For Class 56 Rating, Add</i>	1,526.96	
40 05 19 00-1254 EA 14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,170.78	621.46
<i>For Class 52 Rating, Deduct</i>	-575.21	
<i>For Class 54 Rating, Add</i>	795.67	
<i>For Class 55 Rating, Add</i>	1,188.70	
<i>For Class 56 Rating, Add</i>	1,576.50	
40 05 19 00-1255 EA 14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,343.03	624.70
<i>For Class 52 Rating, Deduct</i>	-593.62	
<i>For Class 54 Rating, Add</i>	820.84	
<i>For Class 55 Rating, Add</i>	1,226.14	
<i>For Class 56 Rating, Add</i>	1,626.05	
40 05 19 00-1256 EA 14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,515.28	627.94
<i>For Class 52 Rating, Deduct</i>	-612.03	
<i>For Class 54 Rating, Add</i>	846.00	
<i>For Class 55 Rating, Add</i>	1,263.58	
<i>For Class 56 Rating, Add</i>	1,675.59	
40 05 19 00-1257 EA 14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,687.53	631.16
<i>For Class 52 Rating, Deduct</i>	-630.43	
<i>For Class 54 Rating, Add</i>	871.16	
<i>For Class 55 Rating, Add</i>	1,301.01	
<i>For Class 56 Rating, Add</i>	1,725.14	
40 05 19 00-1258 EA 14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,859.78	634.40
<i>For Class 52 Rating, Deduct</i>	-648.84	
<i>For Class 54 Rating, Add</i>	896.32	
<i>For Class 55 Rating, Add</i>	1,338.45	
<i>For Class 56 Rating, Add</i>	1,774.68	
40 05 19 00-1259 EA 14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,032.04	637.65
<i>For Class 52 Rating, Deduct</i>	-667.25	
<i>For Class 54 Rating, Add</i>	921.48	
<i>For Class 55 Rating, Add</i>	1,375.89	
<i>For Class 56 Rating, Add</i>	1,824.22	
40 05 19 00-1260 EA 14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,204.28	640.89
<i>For Class 52 Rating, Deduct</i>	-685.66	
<i>For Class 54 Rating, Add</i>	946.64	
<i>For Class 55 Rating, Add</i>	1,413.32	
<i>For Class 56 Rating, Add</i>	1,873.77	
40 05 19 00-1261 EA 14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,376.54	644.11
<i>For Class 52 Rating, Deduct</i>	-704.07	
<i>For Class 54 Rating, Add</i>	971.80	
<i>For Class 55 Rating, Add</i>	1,450.76	
<i>For Class 56 Rating, Add</i>	1,923.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1262	EA		14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,548.80	647.35
			<i>For Class 52 Rating, Deduct</i>	-722.48	
			<i>For Class 54 Rating, Add</i>	996.96	
			<i>For Class 55 Rating, Add</i>	1,488.20	
			<i>For Class 56 Rating, Add</i>	1,972.86	
40 05 19 00-1263	EA		14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,721.05	650.59
			<i>For Class 52 Rating, Deduct</i>	-740.88	
			<i>For Class 54 Rating, Add</i>	1,022.13	
			<i>For Class 55 Rating, Add</i>	1,525.63	
			<i>For Class 56 Rating, Add</i>	2,022.40	
40 05 19 00-1264	EA		14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,893.30	653.82
			<i>For Class 52 Rating, Deduct</i>	-759.29	
			<i>For Class 54 Rating, Add</i>	1,047.29	
			<i>For Class 55 Rating, Add</i>	1,563.07	
			<i>For Class 56 Rating, Add</i>	2,071.95	
40 05 19 00-1265	EA		14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,065.55	657.06
			<i>For Class 52 Rating, Deduct</i>	-777.70	
			<i>For Class 54 Rating, Add</i>	1,072.45	
			<i>For Class 55 Rating, Add</i>	1,600.50	
			<i>For Class 56 Rating, Add</i>	2,121.49	
40 05 19 00-1266	EA		14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,237.80	660.30
			<i>For Class 52 Rating, Deduct</i>	-796.11	
			<i>For Class 54 Rating, Add</i>	1,097.61	
			<i>For Class 55 Rating, Add</i>	1,637.94	
			<i>For Class 56 Rating, Add</i>	2,171.03	
40 05 19 00-1267	EA		14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,410.06	663.54
			<i>For Class 52 Rating, Deduct</i>	-814.52	
			<i>For Class 54 Rating, Add</i>	1,122.77	
			<i>For Class 55 Rating, Add</i>	1,675.38	
			<i>For Class 56 Rating, Add</i>	2,220.58	
40 05 19 00-1268			16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1269	EA		16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,376.29	621.46
			<i>For Class 52 Rating, Deduct</i>	-157.81	
			<i>For Class 54 Rating, Add</i>	226.50	
			<i>For Class 55 Rating, Add</i>	342.53	
			<i>For Class 56 Rating, Add</i>	457.13	
40 05 19 00-1270	EA		16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,576.75	624.70
			<i>For Class 52 Rating, Deduct</i>	-179.33	
			<i>For Class 54 Rating, Add</i>	255.89	
			<i>For Class 55 Rating, Add</i>	386.26	
			<i>For Class 56 Rating, Add</i>	515.00	
40 05 19 00-1271	EA		16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,777.20	627.94
			<i>For Class 52 Rating, Deduct</i>	-200.84	
			<i>For Class 54 Rating, Add</i>	285.29	
			<i>For Class 55 Rating, Add</i>	429.99	
			<i>For Class 56 Rating, Add</i>	572.86	
40 05 19 00-1272	EA		16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,977.65	631.16
			<i>For Class 52 Rating, Deduct</i>	-222.35	
			<i>For Class 54 Rating, Add</i>	314.68	
			<i>For Class 55 Rating, Add</i>	473.71	
			<i>For Class 56 Rating, Add</i>	630.72	
40 05 19 00-1273	EA		16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,178.12	634.40
			<i>For Class 52 Rating, Deduct</i>	-243.86	
			<i>For Class 54 Rating, Add</i>	344.07	
			<i>For Class 55 Rating, Add</i>	517.44	
			<i>For Class 56 Rating, Add</i>	688.59	
40 05 19 00-1274	EA		16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,378.58	637.65
			<i>For Class 52 Rating, Deduct</i>	-265.37	
			<i>For Class 54 Rating, Add</i>	373.46	
			<i>For Class 55 Rating, Add</i>	561.16	
			<i>For Class 56 Rating, Add</i>	746.45	
40 05 19 00-1275	EA		16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,579.02	640.89
			<i>For Class 52 Rating, Deduct</i>	-286.88	
			<i>For Class 54 Rating, Add</i>	402.85	
			<i>For Class 55 Rating, Add</i>	604.89	
			<i>For Class 56 Rating, Add</i>	804.32	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1276 EA 16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,779.49	644.11
<i>For Class 52 Rating, Deduct</i>	-308.39	
<i>For Class 54 Rating, Add</i>	432.25	
<i>For Class 55 Rating, Add</i>	648.62	
<i>For Class 56 Rating, Add</i>	862.18	
40 05 19 00-1277 EA 16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,979.95	647.35
<i>For Class 52 Rating, Deduct</i>	-329.90	
<i>For Class 54 Rating, Add</i>	461.64	
<i>For Class 55 Rating, Add</i>	692.34	
<i>For Class 56 Rating, Add</i>	920.05	
40 05 19 00-1278 EA 16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,180.40	650.59
<i>For Class 52 Rating, Deduct</i>	-351.41	
<i>For Class 54 Rating, Add</i>	491.03	
<i>For Class 55 Rating, Add</i>	736.07	
<i>For Class 56 Rating, Add</i>	977.91	
40 05 19 00-1279 EA 16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,380.87	653.82
<i>For Class 52 Rating, Deduct</i>	-372.92	
<i>For Class 54 Rating, Add</i>	520.42	
<i>For Class 55 Rating, Add</i>	779.79	
<i>For Class 56 Rating, Add</i>	1,035.78	
40 05 19 00-1280 EA 16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,581.32	657.06
<i>For Class 52 Rating, Deduct</i>	-394.43	
<i>For Class 54 Rating, Add</i>	549.81	
<i>For Class 55 Rating, Add</i>	823.52	
<i>For Class 56 Rating, Add</i>	1,093.64	
40 05 19 00-1281 EA 16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,781.77	660.30
<i>For Class 52 Rating, Deduct</i>	-415.95	
<i>For Class 54 Rating, Add</i>	579.20	
<i>For Class 55 Rating, Add</i>	867.25	
<i>For Class 56 Rating, Add</i>	1,151.51	
40 05 19 00-1282 EA 16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,982.24	663.54
<i>For Class 52 Rating, Deduct</i>	-437.46	
<i>For Class 54 Rating, Add</i>	608.60	
<i>For Class 55 Rating, Add</i>	910.97	
<i>For Class 56 Rating, Add</i>	1,209.37	
40 05 19 00-1283 EA 16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,182.70	666.77
<i>For Class 52 Rating, Deduct</i>	-458.97	
<i>For Class 54 Rating, Add</i>	637.99	
<i>For Class 55 Rating, Add</i>	954.70	
<i>For Class 56 Rating, Add</i>	1,267.24	
40 05 19 00-1284 EA 16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,383.14	670.01
<i>For Class 52 Rating, Deduct</i>	-480.48	
<i>For Class 54 Rating, Add</i>	667.38	
<i>For Class 55 Rating, Add</i>	998.42	
<i>For Class 56 Rating, Add</i>	1,325.10	
40 05 19 00-1285 EA 16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,583.61	673.25
<i>For Class 52 Rating, Deduct</i>	-501.99	
<i>For Class 54 Rating, Add</i>	696.77	
<i>For Class 55 Rating, Add</i>	1,042.15	
<i>For Class 56 Rating, Add</i>	1,382.97	
40 05 19 00-1286 EA 16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,784.06	676.47
<i>For Class 52 Rating, Deduct</i>	-523.50	
<i>For Class 54 Rating, Add</i>	726.16	
<i>For Class 55 Rating, Add</i>	1,085.88	
<i>For Class 56 Rating, Add</i>	1,440.83	
40 05 19 00-1287 EA 16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,984.52	679.72
<i>For Class 52 Rating, Deduct</i>	-545.01	
<i>For Class 54 Rating, Add</i>	755.55	
<i>For Class 55 Rating, Add</i>	1,129.60	
<i>For Class 56 Rating, Add</i>	1,498.69	
40 05 19 00-1288 EA 16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,184.99	682.96
<i>For Class 52 Rating, Deduct</i>	-566.52	
<i>For Class 54 Rating, Add</i>	784.95	
<i>For Class 55 Rating, Add</i>	1,173.33	
<i>For Class 56 Rating, Add</i>	1,556.56	
40 05 19 00-1289 EA 16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,385.43	686.20
<i>For Class 52 Rating, Deduct</i>	-588.03	
<i>For Class 54 Rating, Add</i>	814.34	
<i>For Class 55 Rating, Add</i>	1,217.05	
<i>For Class 56 Rating, Add</i>	1,614.42	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1290	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,585.89	689.42
			<i>For Class 52 Rating, Deduct</i>	-609.54	
			<i>For Class 54 Rating, Add</i>	843.73	
			<i>For Class 55 Rating, Add</i>	1,260.78	
			<i>For Class 56 Rating, Add</i>	1,672.29	
40 05 19 00-1291	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,786.36	692.66
			<i>For Class 52 Rating, Deduct</i>	-631.05	
			<i>For Class 54 Rating, Add</i>	873.12	
			<i>For Class 55 Rating, Add</i>	1,304.51	
			<i>For Class 56 Rating, Add</i>	1,730.16	
40 05 19 00-1292	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,986.81	695.91
			<i>For Class 52 Rating, Deduct</i>	-652.57	
			<i>For Class 54 Rating, Add</i>	902.51	
			<i>For Class 55 Rating, Add</i>	1,348.23	
			<i>For Class 56 Rating, Add</i>	1,788.02	
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,187.27	699.15
			<i>For Class 52 Rating, Deduct</i>	-674.08	
			<i>For Class 54 Rating, Add</i>	931.91	
			<i>For Class 55 Rating, Add</i>	1,391.96	
			<i>For Class 56 Rating, Add</i>	1,845.88	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,387.73	702.38
			<i>For Class 52 Rating, Deduct</i>	-695.59	
			<i>For Class 54 Rating, Add</i>	961.30	
			<i>For Class 55 Rating, Add</i>	1,435.69	
			<i>For Class 56 Rating, Add</i>	1,903.75	
40 05 19 00-1295	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,588.18	705.61
			<i>For Class 52 Rating, Deduct</i>	-717.10	
			<i>For Class 54 Rating, Add</i>	990.69	
			<i>For Class 55 Rating, Add</i>	1,479.41	
			<i>For Class 56 Rating, Add</i>	1,961.61	
40 05 19 00-1296	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,788.64	708.85
			<i>For Class 52 Rating, Deduct</i>	-738.61	
			<i>For Class 54 Rating, Add</i>	1,020.08	
			<i>For Class 55 Rating, Add</i>	1,523.14	
			<i>For Class 56 Rating, Add</i>	2,019.48	
40 05 19 00-1297	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,989.10	712.08
			<i>For Class 52 Rating, Deduct</i>	-760.12	
			<i>For Class 54 Rating, Add</i>	1,049.47	
			<i>For Class 55 Rating, Add</i>	1,566.86	
			<i>For Class 56 Rating, Add</i>	2,077.34	
40 05 19 00-1298	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,189.55	715.33
			<i>For Class 52 Rating, Deduct</i>	-781.63	
			<i>For Class 54 Rating, Add</i>	1,078.87	
			<i>For Class 55 Rating, Add</i>	1,610.59	
			<i>For Class 56 Rating, Add</i>	2,135.21	
40 05 19 00-1299	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,390.01	718.56
			<i>For Class 52 Rating, Deduct</i>	-803.14	
			<i>For Class 54 Rating, Add</i>	1,108.26	
			<i>For Class 55 Rating, Add</i>	1,654.31	
			<i>For Class 56 Rating, Add</i>	2,193.07	
40 05 19 00-1300	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,590.47	721.80
			<i>For Class 52 Rating, Deduct</i>	-824.65	
			<i>For Class 54 Rating, Add</i>	1,137.65	
			<i>For Class 55 Rating, Add</i>	1,698.04	
			<i>For Class 56 Rating, Add</i>	2,250.94	
40 05 19 00-1301	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,790.93	725.03
			<i>For Class 52 Rating, Deduct</i>	-846.16	
			<i>For Class 54 Rating, Add</i>	1,167.04	
			<i>For Class 55 Rating, Add</i>	1,741.77	
			<i>For Class 56 Rating, Add</i>	2,308.80	
40 05 19 00-1302	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,991.39	728.27
			<i>For Class 52 Rating, Deduct</i>	-867.67	
			<i>For Class 54 Rating, Add</i>	1,196.43	
			<i>For Class 55 Rating, Add</i>	1,785.49	
			<i>For Class 56 Rating, Add</i>	2,366.67	
40 05 19 00-1303	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,191.84	731.52
			<i>For Class 52 Rating, Deduct</i>	-889.19	
			<i>For Class 54 Rating, Add</i>	1,225.83	
			<i>For Class 55 Rating, Add</i>	1,829.22	
			<i>For Class 56 Rating, Add</i>	2,424.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1304 EA 16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,392.30	734.74
<i>For Class 52 Rating, Deduct</i>	-910.70	
<i>For Class 54 Rating, Add</i>	1,255.22	
<i>For Class 55 Rating, Add</i>	1,872.95	
<i>For Class 56 Rating, Add</i>	2,482.40	
40 05 19 00-1305 EA 16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,592.76	737.98
<i>For Class 52 Rating, Deduct</i>	-932.21	
<i>For Class 54 Rating, Add</i>	1,284.61	
<i>For Class 55 Rating, Add</i>	1,916.67	
<i>For Class 56 Rating, Add</i>	2,540.26	
40 05 19 00-1306 EA 16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,793.22	741.22
<i>For Class 52 Rating, Deduct</i>	-953.72	
<i>For Class 54 Rating, Add</i>	1,314.00	
<i>For Class 55 Rating, Add</i>	1,960.40	
<i>For Class 56 Rating, Add</i>	2,598.13	
40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1308 EA 18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,744.16	700.44
<i>For Class 52 Rating, Deduct</i>	-185.12	
<i>For Class 54 Rating, Add</i>	265.17	
<i>For Class 55 Rating, Add</i>	400.75	
<i>For Class 56 Rating, Add</i>	534.66	
40 05 19 00-1309 EA 18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,974.69	703.68
<i>For Class 52 Rating, Deduct</i>	-209.94	
<i>For Class 54 Rating, Add</i>	299.07	
<i>For Class 55 Rating, Add</i>	451.19	
<i>For Class 56 Rating, Add</i>	601.40	
40 05 19 00-1310 EA 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,205.24	706.91
<i>For Class 52 Rating, Deduct</i>	-234.76	
<i>For Class 54 Rating, Add</i>	332.98	
<i>For Class 55 Rating, Add</i>	501.62	
<i>For Class 56 Rating, Add</i>	668.14	
40 05 19 00-1311 EA 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,435.79	710.14
<i>For Class 52 Rating, Deduct</i>	-259.58	
<i>For Class 54 Rating, Add</i>	366.88	
<i>For Class 55 Rating, Add</i>	552.06	
<i>For Class 56 Rating, Add</i>	734.88	
40 05 19 00-1312 EA 18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,666.32	713.38
<i>For Class 52 Rating, Deduct</i>	-284.40	
<i>For Class 54 Rating, Add</i>	400.79	
<i>For Class 55 Rating, Add</i>	602.49	
<i>For Class 56 Rating, Add</i>	801.62	
40 05 19 00-1313 EA 18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,896.87	716.61
<i>For Class 52 Rating, Deduct</i>	-309.22	
<i>For Class 54 Rating, Add</i>	434.69	
<i>For Class 55 Rating, Add</i>	652.93	
<i>For Class 56 Rating, Add</i>	868.36	
40 05 19 00-1314 EA 18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,127.41	719.86
<i>For Class 52 Rating, Deduct</i>	-334.04	
<i>For Class 54 Rating, Add</i>	468.60	
<i>For Class 55 Rating, Add</i>	703.37	
<i>For Class 56 Rating, Add</i>	935.10	
40 05 19 00-1315 EA 18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,357.96	723.10
<i>For Class 52 Rating, Deduct</i>	-358.86	
<i>For Class 54 Rating, Add</i>	502.50	
<i>For Class 55 Rating, Add</i>	753.80	
<i>For Class 56 Rating, Add</i>	1,001.84	
40 05 19 00-1316 EA 18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,588.50	726.33
<i>For Class 52 Rating, Deduct</i>	-383.68	
<i>For Class 54 Rating, Add</i>	536.40	
<i>For Class 55 Rating, Add</i>	804.23	
<i>For Class 56 Rating, Add</i>	1,068.58	
40 05 19 00-1317 EA 18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,819.03	729.56
<i>For Class 52 Rating, Deduct</i>	-408.50	
<i>For Class 54 Rating, Add</i>	570.31	
<i>For Class 55 Rating, Add</i>	854.67	
<i>For Class 56 Rating, Add</i>	1,135.32	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1318	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,049.58	732.80
			<i>For Class 52 Rating, Deduct</i>	-433.32	
			<i>For Class 54 Rating, Add</i>	604.21	
			<i>For Class 55 Rating, Add</i>	905.10	
			<i>For Class 56 Rating, Add</i>	1,202.06	
40 05 19 00-1319	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,280.13	736.05
			<i>For Class 52 Rating, Deduct</i>	-458.14	
			<i>For Class 54 Rating, Add</i>	638.12	
			<i>For Class 55 Rating, Add</i>	955.54	
			<i>For Class 56 Rating, Add</i>	1,268.80	
40 05 19 00-1320	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,510.67	739.27
			<i>For Class 52 Rating, Deduct</i>	-482.96	
			<i>For Class 54 Rating, Add</i>	672.02	
			<i>For Class 55 Rating, Add</i>	1,005.98	
			<i>For Class 56 Rating, Add</i>	1,335.54	
40 05 19 00-1321	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,741.21	742.51
			<i>For Class 52 Rating, Deduct</i>	-507.78	
			<i>For Class 54 Rating, Add</i>	705.93	
			<i>For Class 55 Rating, Add</i>	1,056.41	
			<i>For Class 56 Rating, Add</i>	1,402.28	
40 05 19 00-1322	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,971.75	745.75
			<i>For Class 52 Rating, Deduct</i>	-532.60	
			<i>For Class 54 Rating, Add</i>	739.83	
			<i>For Class 55 Rating, Add</i>	1,106.84	
			<i>For Class 56 Rating, Add</i>	1,469.01	
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,202.29	748.99
			<i>For Class 52 Rating, Deduct</i>	-557.42	
			<i>For Class 54 Rating, Add</i>	773.74	
			<i>For Class 55 Rating, Add</i>	1,157.28	
			<i>For Class 56 Rating, Add</i>	1,535.75	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,432.84	752.22
			<i>For Class 52 Rating, Deduct</i>	-582.24	
			<i>For Class 54 Rating, Add</i>	807.64	
			<i>For Class 55 Rating, Add</i>	1,207.72	
			<i>For Class 56 Rating, Add</i>	1,602.50	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,663.38	755.46
			<i>For Class 52 Rating, Deduct</i>	-607.06	
			<i>For Class 54 Rating, Add</i>	841.55	
			<i>For Class 55 Rating, Add</i>	1,258.15	
			<i>For Class 56 Rating, Add</i>	1,669.24	
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,893.92	758.70
			<i>For Class 52 Rating, Deduct</i>	-631.88	
			<i>For Class 54 Rating, Add</i>	875.45	
			<i>For Class 55 Rating, Add</i>	1,308.59	
			<i>For Class 56 Rating, Add</i>	1,735.98	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,124.47	761.93
			<i>For Class 52 Rating, Deduct</i>	-656.70	
			<i>For Class 54 Rating, Add</i>	909.36	
			<i>For Class 55 Rating, Add</i>	1,359.02	
			<i>For Class 56 Rating, Add</i>	1,802.72	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,355.00	765.17
			<i>For Class 52 Rating, Deduct</i>	-681.52	
			<i>For Class 54 Rating, Add</i>	943.26	
			<i>For Class 55 Rating, Add</i>	1,409.45	
			<i>For Class 56 Rating, Add</i>	1,869.45	
40 05 19 00-1329	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,585.55	768.41
			<i>For Class 52 Rating, Deduct</i>	-706.34	
			<i>For Class 54 Rating, Add</i>	977.16	
			<i>For Class 55 Rating, Add</i>	1,459.89	
			<i>For Class 56 Rating, Add</i>	1,936.19	
40 05 19 00-1330	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,816.09	771.65
			<i>For Class 52 Rating, Deduct</i>	-731.16	
			<i>For Class 54 Rating, Add</i>	1,011.07	
			<i>For Class 55 Rating, Add</i>	1,510.33	
			<i>For Class 56 Rating, Add</i>	2,002.93	
40 05 19 00-1331	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,046.63	774.88
			<i>For Class 52 Rating, Deduct</i>	-755.98	
			<i>For Class 54 Rating, Add</i>	1,044.97	
			<i>For Class 55 Rating, Add</i>	1,560.76	
			<i>For Class 56 Rating, Add</i>	2,069.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1332 EA 18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,277.18	778.12
<i>For Class 52 Rating, Deduct</i>	-780.80	
<i>For Class 54 Rating, Add</i>	1,078.88	
<i>For Class 55 Rating, Add</i>	1,611.20	
<i>For Class 56 Rating, Add</i>	2,136.41	
40 05 19 00-1333 EA 18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,507.73	781.36
<i>For Class 52 Rating, Deduct</i>	-805.62	
<i>For Class 54 Rating, Add</i>	1,112.78	
<i>For Class 55 Rating, Add</i>	1,661.63	
<i>For Class 56 Rating, Add</i>	2,203.16	
40 05 19 00-1334 EA 18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,738.26	784.59
<i>For Class 52 Rating, Deduct</i>	-830.44	
<i>For Class 54 Rating, Add</i>	1,146.69	
<i>For Class 55 Rating, Add</i>	1,712.06	
<i>For Class 56 Rating, Add</i>	2,269.89	
40 05 19 00-1335 EA 18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,968.80	787.82
<i>For Class 52 Rating, Deduct</i>	-855.26	
<i>For Class 54 Rating, Add</i>	1,180.59	
<i>For Class 55 Rating, Add</i>	1,762.50	
<i>For Class 56 Rating, Add</i>	2,336.63	
40 05 19 00-1336 EA 18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,199.34	791.07
<i>For Class 52 Rating, Deduct</i>	-880.08	
<i>For Class 54 Rating, Add</i>	1,214.50	
<i>For Class 55 Rating, Add</i>	1,812.94	
<i>For Class 56 Rating, Add</i>	2,403.37	
40 05 19 00-1337 EA 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,429.89	794.31
<i>For Class 52 Rating, Deduct</i>	-904.90	
<i>For Class 54 Rating, Add</i>	1,248.40	
<i>For Class 55 Rating, Add</i>	1,863.37	
<i>For Class 56 Rating, Add</i>	2,470.11	
40 05 19 00-1338 EA 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,660.44	797.53
<i>For Class 52 Rating, Deduct</i>	-929.72	
<i>For Class 54 Rating, Add</i>	1,282.31	
<i>For Class 55 Rating, Add</i>	1,913.81	
<i>For Class 56 Rating, Add</i>	2,536.85	
40 05 19 00-1339 EA 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,890.97	800.77
<i>For Class 52 Rating, Deduct</i>	-954.54	
<i>For Class 54 Rating, Add</i>	1,316.21	
<i>For Class 55 Rating, Add</i>	1,964.24	
<i>For Class 56 Rating, Add</i>	2,603.59	
40 05 19 00-1340 EA 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,121.52	804.01
<i>For Class 52 Rating, Deduct</i>	-979.37	
<i>For Class 54 Rating, Add</i>	1,350.12	
<i>For Class 55 Rating, Add</i>	2,014.68	
<i>For Class 56 Rating, Add</i>	2,670.33	
40 05 19 00-1341 EA 18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,352.06	807.26
<i>For Class 52 Rating, Deduct</i>	-1,004.18	
<i>For Class 54 Rating, Add</i>	1,384.02	
<i>For Class 55 Rating, Add</i>	2,065.11	
<i>For Class 56 Rating, Add</i>	2,737.07	
40 05 19 00-1342 EA 18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,582.60	810.49
<i>For Class 52 Rating, Deduct</i>	-1,029.00	
<i>For Class 54 Rating, Add</i>	1,417.92	
<i>For Class 55 Rating, Add</i>	2,115.55	
<i>For Class 56 Rating, Add</i>	2,803.81	
40 05 19 00-1343 EA 18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,813.15	813.72
<i>For Class 52 Rating, Deduct</i>	-1,053.83	
<i>For Class 54 Rating, Add</i>	1,451.83	
<i>For Class 55 Rating, Add</i>	2,165.98	
<i>For Class 56 Rating, Add</i>	2,870.55	
40 05 19 00-1344 EA 18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,043.69	816.96
<i>For Class 52 Rating, Deduct</i>	-1,078.65	
<i>For Class 54 Rating, Add</i>	1,485.73	
<i>For Class 55 Rating, Add</i>	2,216.42	
<i>For Class 56 Rating, Add</i>	2,937.29	
40 05 19 00-1345 EA 18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,274.23	820.19
<i>For Class 52 Rating, Deduct</i>	-1,103.47	
<i>For Class 54 Rating, Add</i>	1,519.64	
<i>For Class 55 Rating, Add</i>	2,266.85	
<i>For Class 56 Rating, Add</i>	3,004.03	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346			20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1347	EA		20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,193.20	799.48
			For Class 52 Rating, Deduct	-218.00	
			For Class 54 Rating, Add	311.82	
			For Class 55 Rating, Add	471.03	
			For Class 56 Rating, Add	628.26	
40 05 19 00-1348	EA		20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,457.57	802.73
			For Class 52 Rating, Deduct	-246.55	
			For Class 54 Rating, Add	350.80	
			For Class 55 Rating, Add	529.01	
			For Class 56 Rating, Add	704.98	
40 05 19 00-1349	EA		20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,721.97	805.95
			For Class 52 Rating, Deduct	-275.09	
			For Class 54 Rating, Add	389.78	
			For Class 55 Rating, Add	586.99	
			For Class 56 Rating, Add	781.71	
40 05 19 00-1350	EA		20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,986.36	809.19
			For Class 52 Rating, Deduct	-303.63	
			For Class 54 Rating, Add	428.76	
			For Class 55 Rating, Add	644.97	
			For Class 56 Rating, Add	858.43	
40 05 19 00-1351	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,250.74	812.43
			For Class 52 Rating, Deduct	-332.18	
			For Class 54 Rating, Add	467.74	
			For Class 55 Rating, Add	702.96	
			For Class 56 Rating, Add	935.15	
40 05 19 00-1352	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,515.14	815.66
			For Class 52 Rating, Deduct	-360.72	
			For Class 54 Rating, Add	506.72	
			For Class 55 Rating, Add	760.94	
			For Class 56 Rating, Add	1,011.88	
40 05 19 00-1353	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,779.52	818.90
			For Class 52 Rating, Deduct	-389.26	
			For Class 54 Rating, Add	545.70	
			For Class 55 Rating, Add	818.92	
			For Class 56 Rating, Add	1,088.60	
40 05 19 00-1354	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,043.91	822.13
			For Class 52 Rating, Deduct	-417.81	
			For Class 54 Rating, Add	584.69	
			For Class 55 Rating, Add	876.91	
			For Class 56 Rating, Add	1,165.33	
40 05 19 00-1355	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,308.30	825.38
			For Class 52 Rating, Deduct	-446.35	
			For Class 54 Rating, Add	623.67	
			For Class 55 Rating, Add	934.89	
			For Class 56 Rating, Add	1,242.05	
40 05 19 00-1356	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,572.68	828.61
			For Class 52 Rating, Deduct	-474.89	
			For Class 54 Rating, Add	662.65	
			For Class 55 Rating, Add	992.87	
			For Class 56 Rating, Add	1,318.77	
40 05 19 00-1357	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,837.08	831.85
			For Class 52 Rating, Deduct	-503.44	
			For Class 54 Rating, Add	701.63	
			For Class 55 Rating, Add	1,050.85	
			For Class 56 Rating, Add	1,395.50	
40 05 19 00-1358	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,101.46	835.09
			For Class 52 Rating, Deduct	-531.98	
			For Class 54 Rating, Add	740.61	
			For Class 55 Rating, Add	1,108.83	
			For Class 56 Rating, Add	1,472.22	
40 05 19 00-1359	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,365.85	838.31
			For Class 52 Rating, Deduct	-560.52	
			For Class 54 Rating, Add	779.59	
			For Class 55 Rating, Add	1,166.82	
			For Class 56 Rating, Add	1,548.95	
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,630.24	841.55
			For Class 52 Rating, Deduct	-589.07	
			For Class 54 Rating, Add	818.57	
			For Class 55 Rating, Add	1,224.80	
			For Class 56 Rating, Add	1,625.67	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1361 EA 20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,894.64	844.80
<i>For Class 52 Rating, Deduct</i>	-617.61	
<i>For Class 54 Rating, Add</i>	857.56	
<i>For Class 55 Rating, Add</i>	1,282.78	
<i>For Class 56 Rating, Add</i>	1,702.40	
40 05 19 00-1362 EA 20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,159.01	848.04
<i>For Class 52 Rating, Deduct</i>	-646.15	
<i>For Class 54 Rating, Add</i>	896.54	
<i>For Class 55 Rating, Add</i>	1,340.77	
<i>For Class 56 Rating, Add</i>	1,779.12	
40 05 19 00-1363 EA 20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,423.40	851.26
<i>For Class 52 Rating, Deduct</i>	-674.70	
<i>For Class 54 Rating, Add</i>	935.52	
<i>For Class 55 Rating, Add</i>	1,398.75	
<i>For Class 56 Rating, Add</i>	1,855.84	
40 05 19 00-1364 EA 20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,687.80	854.50
<i>For Class 52 Rating, Deduct</i>	-703.24	
<i>For Class 54 Rating, Add</i>	974.50	
<i>For Class 55 Rating, Add</i>	1,456.73	
<i>For Class 56 Rating, Add</i>	1,932.57	
40 05 19 00-1365 EA 20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,952.18	857.74
<i>For Class 52 Rating, Deduct</i>	-731.78	
<i>For Class 54 Rating, Add</i>	1,013.48	
<i>For Class 55 Rating, Add</i>	1,514.71	
<i>For Class 56 Rating, Add</i>	2,009.29	
40 05 19 00-1366 EA 20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,216.58	860.99
<i>For Class 52 Rating, Deduct</i>	-760.33	
<i>For Class 54 Rating, Add</i>	1,052.46	
<i>For Class 55 Rating, Add</i>	1,572.70	
<i>For Class 56 Rating, Add</i>	2,086.02	
40 05 19 00-1367 EA 20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,480.95	864.22
<i>For Class 52 Rating, Deduct</i>	-788.87	
<i>For Class 54 Rating, Add</i>	1,091.44	
<i>For Class 55 Rating, Add</i>	1,630.68	
<i>For Class 56 Rating, Add</i>	2,162.74	
40 05 19 00-1368 EA 20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,745.34	867.45
<i>For Class 52 Rating, Deduct</i>	-817.41	
<i>For Class 54 Rating, Add</i>	1,130.42	
<i>For Class 55 Rating, Add</i>	1,688.66	
<i>For Class 56 Rating, Add</i>	2,239.47	
40 05 19 00-1369 EA 20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,009.74	870.69
<i>For Class 52 Rating, Deduct</i>	-845.96	
<i>For Class 54 Rating, Add</i>	1,169.41	
<i>For Class 55 Rating, Add</i>	1,746.65	
<i>For Class 56 Rating, Add</i>	2,316.19	
40 05 19 00-1370 EA 20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,274.12	873.92
<i>For Class 52 Rating, Deduct</i>	-874.50	
<i>For Class 54 Rating, Add</i>	1,208.39	
<i>For Class 55 Rating, Add</i>	1,804.63	
<i>For Class 56 Rating, Add</i>	2,392.92	
40 05 19 00-1371 EA 20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,538.51	877.16
<i>For Class 52 Rating, Deduct</i>	-903.04	
<i>For Class 54 Rating, Add</i>	1,247.37	
<i>For Class 55 Rating, Add</i>	1,862.61	
<i>For Class 56 Rating, Add</i>	2,469.64	
40 05 19 00-1372 EA 20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,802.90	880.41
<i>For Class 52 Rating, Deduct</i>	-931.59	
<i>For Class 54 Rating, Add</i>	1,286.35	
<i>For Class 55 Rating, Add</i>	1,920.59	
<i>For Class 56 Rating, Add</i>	2,546.37	
40 05 19 00-1373 EA 20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,067.29	883.64
<i>For Class 52 Rating, Deduct</i>	-960.13	
<i>For Class 54 Rating, Add</i>	1,325.33	
<i>For Class 55 Rating, Add</i>	1,978.58	
<i>For Class 56 Rating, Add</i>	2,623.09	
40 05 19 00-1374 EA 20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,331.68	886.87
<i>For Class 52 Rating, Deduct</i>	-988.67	
<i>For Class 54 Rating, Add</i>	1,364.31	
<i>For Class 55 Rating, Add</i>	2,036.56	
<i>For Class 56 Rating, Add</i>	2,699.81	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1375	EA		20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,596.07	890.11
			<i>For Class 52 Rating, Deduct</i>	-1,017.22	
			<i>For Class 54 Rating, Add</i>	1,403.30	
			<i>For Class 55 Rating, Add</i>	2,094.54	
			<i>For Class 56 Rating, Add</i>	2,776.54	
40 05 19 00-1376	EA		20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,860.45	893.35
			<i>For Class 52 Rating, Deduct</i>	-1,045.76	
			<i>For Class 54 Rating, Add</i>	1,442.28	
			<i>For Class 55 Rating, Add</i>	2,152.52	
			<i>For Class 56 Rating, Add</i>	2,853.26	
40 05 19 00-1377	EA		20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,124.84	896.57
			<i>For Class 52 Rating, Deduct</i>	-1,074.30	
			<i>For Class 54 Rating, Add</i>	1,481.26	
			<i>For Class 55 Rating, Add</i>	2,210.51	
			<i>For Class 56 Rating, Add</i>	2,929.99	
40 05 19 00-1378	EA		20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,389.23	899.82
			<i>For Class 52 Rating, Deduct</i>	-1,102.85	
			<i>For Class 54 Rating, Add</i>	1,520.24	
			<i>For Class 55 Rating, Add</i>	2,268.49	
			<i>For Class 56 Rating, Add</i>	3,006.71	
40 05 19 00-1379	EA		20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,653.62	903.06
			<i>For Class 52 Rating, Deduct</i>	-1,131.39	
			<i>For Class 54 Rating, Add</i>	1,559.22	
			<i>For Class 55 Rating, Add</i>	2,326.47	
			<i>For Class 56 Rating, Add</i>	3,083.44	
40 05 19 00-1380	EA		20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,918.00	906.30
			<i>For Class 52 Rating, Deduct</i>	-1,159.93	
			<i>For Class 54 Rating, Add</i>	1,598.20	
			<i>For Class 55 Rating, Add</i>	2,384.45	
			<i>For Class 56 Rating, Add</i>	3,160.16	
40 05 19 00-1381	EA		20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,182.39	909.53
			<i>For Class 52 Rating, Deduct</i>	-1,188.48	
			<i>For Class 54 Rating, Add</i>	1,637.18	
			<i>For Class 55 Rating, Add</i>	2,442.44	
			<i>For Class 56 Rating, Add</i>	3,236.88	
40 05 19 00-1382	EA		20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,446.78	912.76
			<i>For Class 52 Rating, Deduct</i>	-1,217.02	
			<i>For Class 54 Rating, Add</i>	1,676.17	
			<i>For Class 55 Rating, Add</i>	2,500.42	
			<i>For Class 56 Rating, Add</i>	3,313.61	
40 05 19 00-1383	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,711.18	916.01
			<i>For Class 52 Rating, Deduct</i>	-1,245.56	
			<i>For Class 54 Rating, Add</i>	1,715.15	
			<i>For Class 55 Rating, Add</i>	2,558.40	
			<i>For Class 56 Rating, Add</i>	3,390.33	
40 05 19 00-1384	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,975.56	919.24
			<i>For Class 52 Rating, Deduct</i>	-1,274.10	
			<i>For Class 54 Rating, Add</i>	1,754.13	
			<i>For Class 55 Rating, Add</i>	2,616.38	
			<i>For Class 56 Rating, Add</i>	3,467.06	
40 05 19 00-1385			24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1386	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,906.52	945.13
			<i>For Class 52 Rating, Deduct</i>	-272.20	
			<i>For Class 54 Rating, Add</i>	388.36	
			<i>For Class 55 Rating, Add</i>	586.18	
			<i>For Class 56 Rating, Add</i>	781.53	
40 05 19 00-1387	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,232.97	948.37
			<i>For Class 52 Rating, Deduct</i>	-307.56	
			<i>For Class 54 Rating, Add</i>	436.65	
			<i>For Class 55 Rating, Add</i>	658.00	
			<i>For Class 56 Rating, Add</i>	876.56	
40 05 19 00-1388	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,559.40	951.62
			<i>For Class 52 Rating, Deduct</i>	-342.93	
			<i>For Class 54 Rating, Add</i>	484.94	
			<i>For Class 55 Rating, Add</i>	729.82	
			<i>For Class 56 Rating, Add</i>	971.59	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1389 EA 24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,885.84	954.83
<i>For Class 52 Rating, Deduct</i>	-378.30	
<i>For Class 54 Rating, Add</i>	533.23	
<i>For Class 55 Rating, Add</i>	801.64	
<i>For Class 56 Rating, Add</i>	1,066.62	
40 05 19 00-1390 EA 24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,212.28	958.08
<i>For Class 52 Rating, Deduct</i>	-413.67	
<i>For Class 54 Rating, Add</i>	581.52	
<i>For Class 55 Rating, Add</i>	873.46	
<i>For Class 56 Rating, Add</i>	1,161.65	
40 05 19 00-1391 EA 24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,538.72	961.32
<i>For Class 52 Rating, Deduct</i>	-449.04	
<i>For Class 54 Rating, Add</i>	629.80	
<i>For Class 55 Rating, Add</i>	945.28	
<i>For Class 56 Rating, Add</i>	1,256.68	
40 05 19 00-1392 EA 24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,865.15	964.56
<i>For Class 52 Rating, Deduct</i>	-484.41	
<i>For Class 54 Rating, Add</i>	678.09	
<i>For Class 55 Rating, Add</i>	1,017.10	
<i>For Class 56 Rating, Add</i>	1,351.71	
40 05 19 00-1393 EA 24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,191.59	967.79
<i>For Class 52 Rating, Deduct</i>	-519.78	
<i>For Class 54 Rating, Add</i>	726.38	
<i>For Class 55 Rating, Add</i>	1,088.92	
<i>For Class 56 Rating, Add</i>	1,446.73	
40 05 19 00-1394 EA 24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,518.04	971.02
<i>For Class 52 Rating, Deduct</i>	-555.15	
<i>For Class 54 Rating, Add</i>	774.67	
<i>For Class 55 Rating, Add</i>	1,160.74	
<i>For Class 56 Rating, Add</i>	1,541.77	
40 05 19 00-1395 EA 24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,844.47	974.27
<i>For Class 52 Rating, Deduct</i>	-590.51	
<i>For Class 54 Rating, Add</i>	822.96	
<i>For Class 55 Rating, Add</i>	1,232.56	
<i>For Class 56 Rating, Add</i>	1,636.79	
40 05 19 00-1396 EA 24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,170.92	977.50
<i>For Class 52 Rating, Deduct</i>	-625.88	
<i>For Class 54 Rating, Add</i>	871.25	
<i>For Class 55 Rating, Add</i>	1,304.38	
<i>For Class 56 Rating, Add</i>	1,731.82	
40 05 19 00-1397 EA 24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,497.34	980.74
<i>For Class 52 Rating, Deduct</i>	-661.25	
<i>For Class 54 Rating, Add</i>	919.54	
<i>For Class 55 Rating, Add</i>	1,376.20	
<i>For Class 56 Rating, Add</i>	1,826.85	
40 05 19 00-1398 EA 24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,823.79	983.98
<i>For Class 52 Rating, Deduct</i>	-696.62	
<i>For Class 54 Rating, Add</i>	967.83	
<i>For Class 55 Rating, Add</i>	1,448.02	
<i>For Class 56 Rating, Add</i>	1,921.88	
40 05 19 00-1399 EA 24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,150.23	987.21
<i>For Class 52 Rating, Deduct</i>	-731.99	
<i>For Class 54 Rating, Add</i>	1,016.12	
<i>For Class 55 Rating, Add</i>	1,519.84	
<i>For Class 56 Rating, Add</i>	2,016.91	
40 05 19 00-1400 EA 24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,476.67	990.44
<i>For Class 52 Rating, Deduct</i>	-767.36	
<i>For Class 54 Rating, Add</i>	1,064.41	
<i>For Class 55 Rating, Add</i>	1,591.66	
<i>For Class 56 Rating, Add</i>	2,111.94	
40 05 19 00-1401 EA 24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,803.11	993.69
<i>For Class 52 Rating, Deduct</i>	-802.73	
<i>For Class 54 Rating, Add</i>	1,112.70	
<i>For Class 55 Rating, Add</i>	1,663.48	
<i>For Class 56 Rating, Add</i>	2,206.97	
40 05 19 00-1402 EA 24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,129.55	996.93
<i>For Class 52 Rating, Deduct</i>	-838.10	
<i>For Class 54 Rating, Add</i>	1,160.98	
<i>For Class 55 Rating, Add</i>	1,735.30	
<i>For Class 56 Rating, Add</i>	2,302.00	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1403	EA		24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,455.98	1,000.15
			<i>For Class 52 Rating, Deduct</i>	-873.46	
			<i>For Class 54 Rating, Add</i>	1,209.27	
			<i>For Class 55 Rating, Add</i>	1,807.12	
			<i>For Class 56 Rating, Add</i>	2,397.03	
40 05 19 00-1404	EA		24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,782.43	1,003.39
			<i>For Class 52 Rating, Deduct</i>	-908.83	
			<i>For Class 54 Rating, Add</i>	1,257.56	
			<i>For Class 55 Rating, Add</i>	1,878.94	
			<i>For Class 56 Rating, Add</i>	2,492.06	
40 05 19 00-1405	EA		24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,108.87	1,006.63
			<i>For Class 52 Rating, Deduct</i>	-944.20	
			<i>For Class 54 Rating, Add</i>	1,305.85	
			<i>For Class 55 Rating, Add</i>	1,950.76	
			<i>For Class 56 Rating, Add</i>	2,587.09	
40 05 19 00-1406	EA		24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,435.30	1,009.88
			<i>For Class 52 Rating, Deduct</i>	-979.57	
			<i>For Class 54 Rating, Add</i>	1,354.14	
			<i>For Class 55 Rating, Add</i>	2,022.58	
			<i>For Class 56 Rating, Add</i>	2,682.12	
40 05 19 00-1407	EA		24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,761.74	1,013.11
			<i>For Class 52 Rating, Deduct</i>	-1,014.94	
			<i>For Class 54 Rating, Add</i>	1,402.43	
			<i>For Class 55 Rating, Add</i>	2,094.40	
			<i>For Class 56 Rating, Add</i>	2,777.15	
40 05 19 00-1408	EA		24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,088.17	1,016.34
			<i>For Class 52 Rating, Deduct</i>	-1,050.31	
			<i>For Class 54 Rating, Add</i>	1,450.72	
			<i>For Class 55 Rating, Add</i>	2,166.22	
			<i>For Class 56 Rating, Add</i>	2,872.17	
40 05 19 00-1409	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,414.62	1,019.58
			<i>For Class 52 Rating, Deduct</i>	-1,085.68	
			<i>For Class 54 Rating, Add</i>	1,499.01	
			<i>For Class 55 Rating, Add</i>	2,238.04	
			<i>For Class 56 Rating, Add</i>	2,967.20	
40 05 19 00-1410	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,741.06	1,022.82
			<i>For Class 52 Rating, Deduct</i>	-1,121.05	
			<i>For Class 54 Rating, Add</i>	1,547.30	
			<i>For Class 55 Rating, Add</i>	2,309.86	
			<i>For Class 56 Rating, Add</i>	3,062.23	
40 05 19 00-1411	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,067.49	1,026.05
			<i>For Class 52 Rating, Deduct</i>	-1,156.42	
			<i>For Class 54 Rating, Add</i>	1,595.59	
			<i>For Class 55 Rating, Add</i>	2,381.68	
			<i>For Class 56 Rating, Add</i>	3,157.26	
40 05 19 00-1412	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,393.93	1,029.29
			<i>For Class 52 Rating, Deduct</i>	-1,191.78	
			<i>For Class 54 Rating, Add</i>	1,643.87	
			<i>For Class 55 Rating, Add</i>	2,453.50	
			<i>For Class 56 Rating, Add</i>	3,252.29	
40 05 19 00-1413	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,720.38	1,032.53
			<i>For Class 52 Rating, Deduct</i>	-1,227.15	
			<i>For Class 54 Rating, Add</i>	1,692.16	
			<i>For Class 55 Rating, Add</i>	2,525.32	
			<i>For Class 56 Rating, Add</i>	3,347.32	
40 05 19 00-1414	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,046.81	1,035.76
			<i>For Class 52 Rating, Deduct</i>	-1,262.52	
			<i>For Class 54 Rating, Add</i>	1,740.45	
			<i>For Class 55 Rating, Add</i>	2,597.14	
			<i>For Class 56 Rating, Add</i>	3,442.35	
40 05 19 00-1415	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,456.63	1,094.02
			<i>For Class 52 Rating, Deduct</i>	-1,297.89	
			<i>For Class 54 Rating, Add</i>	1,789.74	
			<i>For Class 55 Rating, Add</i>	2,670.96	
			<i>For Class 56 Rating, Add</i>	3,540.38	
40 05 19 00-1416	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,783.05	1,097.26
			<i>For Class 52 Rating, Deduct</i>	-1,333.26	
			<i>For Class 54 Rating, Add</i>	1,838.03	
			<i>For Class 55 Rating, Add</i>	2,742.78	
			<i>For Class 56 Rating, Add</i>	3,635.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1417 EA 24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,109.50	1,100.51
<i>For Class 52 Rating, Deduct</i>	-1,368.63	
<i>For Class 54 Rating, Add</i>	1,886.32	
<i>For Class 55 Rating, Add</i>	2,814.60	
<i>For Class 56 Rating, Add</i>	3,730.44	
40 05 19 00-1418 EA 24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,435.94	1,103.75
<i>For Class 52 Rating, Deduct</i>	-1,404.00	
<i>For Class 54 Rating, Add</i>	1,934.61	
<i>For Class 55 Rating, Add</i>	2,886.42	
<i>For Class 56 Rating, Add</i>	3,825.47	
40 05 19 00-1419 EA 24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,762.38	1,106.97
<i>For Class 52 Rating, Deduct</i>	-1,439.37	
<i>For Class 54 Rating, Add</i>	1,982.90	
<i>For Class 55 Rating, Add</i>	2,958.24	
<i>For Class 56 Rating, Add</i>	3,920.50	
40 05 19 00-1420 EA 24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,088.82	1,110.21
<i>For Class 52 Rating, Deduct</i>	-1,474.73	
<i>For Class 54 Rating, Add</i>	2,031.19	
<i>For Class 55 Rating, Add</i>	3,030.06	
<i>For Class 56 Rating, Add</i>	4,015.53	
40 05 19 00-1421 EA 24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,415.26	1,113.45
<i>For Class 52 Rating, Deduct</i>	-1,510.10	
<i>For Class 54 Rating, Add</i>	2,079.48	
<i>For Class 55 Rating, Add</i>	3,101.88	
<i>For Class 56 Rating, Add</i>	4,110.56	
40 05 19 00-1422 EA 24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,741.69	1,116.68
<i>For Class 52 Rating, Deduct</i>	-1,545.47	
<i>For Class 54 Rating, Add</i>	2,127.77	
<i>For Class 55 Rating, Add</i>	3,173.70	
<i>For Class 56 Rating, Add</i>	4,205.59	
40 05 19 00-1423 EA 24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,068.14	1,119.91
<i>For Class 52 Rating, Deduct</i>	-1,580.84	
<i>For Class 54 Rating, Add</i>	2,176.06	
<i>For Class 55 Rating, Add</i>	3,245.52	
<i>For Class 56 Rating, Add</i>	4,300.62	
40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1425 EA 30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,931.59	1,333.55
<i>For Class 52 Rating, Deduct</i>	-430.22	
<i>For Class 54 Rating, Add</i>	610.91	
<i>For Class 55 Rating, Add</i>	920.66	
<i>For Class 56 Rating, Add</i>	1,226.50	
40 05 19 00-1426 EA 30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,400.93	1,336.78
<i>For Class 52 Rating, Deduct</i>	-481.31	
<i>For Class 54 Rating, Add</i>	680.63	
<i>For Class 55 Rating, Add</i>	1,024.35	
<i>For Class 56 Rating, Add</i>	1,363.69	
40 05 19 00-1427 EA 30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,870.27	1,340.01
<i>For Class 52 Rating, Deduct</i>	-532.39	
<i>For Class 54 Rating, Add</i>	750.35	
<i>For Class 55 Rating, Add</i>	1,128.03	
<i>For Class 56 Rating, Add</i>	1,500.87	
40 05 19 00-1428 EA 30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,339.62	1,343.26
<i>For Class 52 Rating, Deduct</i>	-583.48	
<i>For Class 54 Rating, Add</i>	820.08	
<i>For Class 55 Rating, Add</i>	1,231.72	
<i>For Class 56 Rating, Add</i>	1,638.06	
40 05 19 00-1429 EA 30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,808.97	1,346.50
<i>For Class 52 Rating, Deduct</i>	-634.57	
<i>For Class 54 Rating, Add</i>	889.80	
<i>For Class 55 Rating, Add</i>	1,335.41	
<i>For Class 56 Rating, Add</i>	1,775.25	
40 05 19 00-1430 EA 30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,278.30	1,349.73
<i>For Class 52 Rating, Deduct</i>	-685.66	
<i>For Class 54 Rating, Add</i>	959.53	
<i>For Class 55 Rating, Add</i>	1,439.10	
<i>For Class 56 Rating, Add</i>	1,912.43	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431	EA		30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,747.65	1,352.97
			<i>For Class 52 Rating, Deduct</i>	-736.75	
			<i>For Class 54 Rating, Add</i>	1,029.25	
			<i>For Class 55 Rating, Add</i>	1,542.79	
			<i>For Class 56 Rating, Add</i>	2,049.62	
40 05 19 00-1432	EA		30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,217.00	1,356.20
			<i>For Class 52 Rating, Deduct</i>	-787.84	
			<i>For Class 54 Rating, Add</i>	1,098.98	
			<i>For Class 55 Rating, Add</i>	1,646.47	
			<i>For Class 56 Rating, Add</i>	2,186.81	
40 05 19 00-1433	EA		30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,686.34	1,359.43
			<i>For Class 52 Rating, Deduct</i>	-838.92	
			<i>For Class 54 Rating, Add</i>	1,168.70	
			<i>For Class 55 Rating, Add</i>	1,750.16	
			<i>For Class 56 Rating, Add</i>	2,323.99	
40 05 19 00-1434	EA		30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,155.68	1,362.68
			<i>For Class 52 Rating, Deduct</i>	-890.01	
			<i>For Class 54 Rating, Add</i>	1,238.43	
			<i>For Class 55 Rating, Add</i>	1,853.85	
			<i>For Class 56 Rating, Add</i>	2,461.18	
40 05 19 00-1435	EA		30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,625.02	1,365.92
			<i>For Class 52 Rating, Deduct</i>	-941.10	
			<i>For Class 54 Rating, Add</i>	1,308.15	
			<i>For Class 55 Rating, Add</i>	1,957.54	
			<i>For Class 56 Rating, Add</i>	2,598.36	
40 05 19 00-1436	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,094.37	1,369.16
			<i>For Class 52 Rating, Deduct</i>	-992.19	
			<i>For Class 54 Rating, Add</i>	1,377.88	
			<i>For Class 55 Rating, Add</i>	2,061.22	
			<i>For Class 56 Rating, Add</i>	2,735.55	
40 05 19 00-1437	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,563.71	1,372.38
			<i>For Class 52 Rating, Deduct</i>	-1,043.28	
			<i>For Class 54 Rating, Add</i>	1,447.60	
			<i>For Class 55 Rating, Add</i>	2,164.91	
			<i>For Class 56 Rating, Add</i>	2,872.74	
40 05 19 00-1438	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,033.05	1,375.62
			<i>For Class 52 Rating, Deduct</i>	-1,094.36	
			<i>For Class 54 Rating, Add</i>	1,517.33	
			<i>For Class 55 Rating, Add</i>	2,268.60	
			<i>For Class 56 Rating, Add</i>	3,009.92	
40 05 19 00-1439	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,502.39	1,378.87
			<i>For Class 52 Rating, Deduct</i>	-1,145.45	
			<i>For Class 54 Rating, Add</i>	1,587.05	
			<i>For Class 55 Rating, Add</i>	2,372.29	
			<i>For Class 56 Rating, Add</i>	3,147.11	
40 05 19 00-1440	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,971.74	1,382.10
			<i>For Class 52 Rating, Deduct</i>	-1,196.54	
			<i>For Class 54 Rating, Add</i>	1,656.78	
			<i>For Class 55 Rating, Add</i>	2,475.97	
			<i>For Class 56 Rating, Add</i>	3,284.29	
40 05 19 00-1441	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,441.08	1,385.33
			<i>For Class 52 Rating, Deduct</i>	-1,247.63	
			<i>For Class 54 Rating, Add</i>	1,726.50	
			<i>For Class 55 Rating, Add</i>	2,579.66	
			<i>For Class 56 Rating, Add</i>	3,421.48	
40 05 19 00-1442	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,910.43	1,388.57
			<i>For Class 52 Rating, Deduct</i>	-1,298.72	
			<i>For Class 54 Rating, Add</i>	1,796.23	
			<i>For Class 55 Rating, Add</i>	2,683.35	
			<i>For Class 56 Rating, Add</i>	3,558.67	
40 05 19 00-1443	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,379.77	1,391.81
			<i>For Class 52 Rating, Deduct</i>	-1,349.81	
			<i>For Class 54 Rating, Add</i>	1,865.95	
			<i>For Class 55 Rating, Add</i>	2,787.04	
			<i>For Class 56 Rating, Add</i>	3,695.85	
40 05 19 00-1444	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,849.11	1,395.04
			<i>For Class 52 Rating, Deduct</i>	-1,400.90	
			<i>For Class 54 Rating, Add</i>	1,935.68	
			<i>For Class 55 Rating, Add</i>	2,890.73	
			<i>For Class 56 Rating, Add</i>	3,833.04	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1445 EA 30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,318.46	1,398.29
<i>For Class 52 Rating, Deduct</i>	-1,451.98	
<i>For Class 54 Rating, Add</i>	2,005.40	
<i>For Class 55 Rating, Add</i>	2,994.41	
<i>For Class 56 Rating, Add</i>	3,970.23	
40 05 19 00-1446 EA 30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,787.80	1,401.52
<i>For Class 52 Rating, Deduct</i>	-1,503.07	
<i>For Class 54 Rating, Add</i>	2,075.13	
<i>For Class 55 Rating, Add</i>	3,098.10	
<i>For Class 56 Rating, Add</i>	4,107.41	
40 05 19 00-1447 EA 30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,257.14	1,404.75
<i>For Class 52 Rating, Deduct</i>	-1,554.16	
<i>For Class 54 Rating, Add</i>	2,144.85	
<i>For Class 55 Rating, Add</i>	3,201.79	
<i>For Class 56 Rating, Add</i>	4,244.60	
40 05 19 00-1448 EA 30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,726.48	1,407.99
<i>For Class 52 Rating, Deduct</i>	-1,605.25	
<i>For Class 54 Rating, Add</i>	2,214.57	
<i>For Class 55 Rating, Add</i>	3,305.47	
<i>For Class 56 Rating, Add</i>	4,381.78	
40 05 19 00-1449 EA 30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,195.82	1,411.23
<i>For Class 52 Rating, Deduct</i>	-1,656.34	
<i>For Class 54 Rating, Add</i>	2,284.30	
<i>For Class 55 Rating, Add</i>	3,409.16	
<i>For Class 56 Rating, Add</i>	4,518.97	
40 05 19 00-1450 EA 30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,665.17	1,414.48
<i>For Class 52 Rating, Deduct</i>	-1,707.42	
<i>For Class 54 Rating, Add</i>	2,354.02	
<i>For Class 55 Rating, Add</i>	3,512.85	
<i>For Class 56 Rating, Add</i>	4,656.15	
40 05 19 00-1451 EA 30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,134.52	1,417.70
<i>For Class 52 Rating, Deduct</i>	-1,758.51	
<i>For Class 54 Rating, Add</i>	2,423.75	
<i>For Class 55 Rating, Add</i>	3,616.54	
<i>For Class 56 Rating, Add</i>	4,793.34	
40 05 19 00-1452 EA 30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,603.86	1,420.94
<i>For Class 52 Rating, Deduct</i>	-1,809.60	
<i>For Class 54 Rating, Add</i>	2,493.47	
<i>For Class 55 Rating, Add</i>	3,720.23	
<i>For Class 56 Rating, Add</i>	4,930.53	
40 05 19 00-1453 EA 30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,073.20	1,424.18
<i>For Class 52 Rating, Deduct</i>	-1,860.69	
<i>For Class 54 Rating, Add</i>	2,563.20	
<i>For Class 55 Rating, Add</i>	3,823.91	
<i>For Class 56 Rating, Add</i>	5,067.71	
40 05 19 00-1454 EA 30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,542.55	1,427.42
<i>For Class 52 Rating, Deduct</i>	-1,911.78	
<i>For Class 54 Rating, Add</i>	2,632.92	
<i>For Class 55 Rating, Add</i>	3,927.60	
<i>For Class 56 Rating, Add</i>	5,204.90	
40 05 19 00-1455 EA 30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,011.89	1,430.64
<i>For Class 52 Rating, Deduct</i>	-1,962.87	
<i>For Class 54 Rating, Add</i>	2,702.65	
<i>For Class 55 Rating, Add</i>	4,031.29	
<i>For Class 56 Rating, Add</i>	5,342.09	
40 05 19 00-1456 EA 30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,481.24	1,433.88
<i>For Class 52 Rating, Deduct</i>	-2,013.95	
<i>For Class 54 Rating, Add</i>	2,772.37	
<i>For Class 55 Rating, Add</i>	4,134.98	
<i>For Class 56 Rating, Add</i>	5,479.27	
40 05 19 00-1457 EA 30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,950.56	1,437.13
<i>For Class 52 Rating, Deduct</i>	-2,065.04	
<i>For Class 54 Rating, Add</i>	2,842.10	
<i>For Class 55 Rating, Add</i>	4,238.66	
<i>For Class 56 Rating, Add</i>	5,616.46	
40 05 19 00-1458 EA 30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,419.91	1,440.36
<i>For Class 52 Rating, Deduct</i>	-2,116.13	
<i>For Class 54 Rating, Add</i>	2,911.82	
<i>For Class 55 Rating, Add</i>	4,342.35	
<i>For Class 56 Rating, Add</i>	5,753.64	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1459	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,889.26	1,443.59
			<i>For Class 52 Rating, Deduct</i>	-2,167.22	
			<i>For Class 54 Rating, Add</i>	2,981.55	
			<i>For Class 55 Rating, Add</i>	4,446.04	
			<i>For Class 56 Rating, Add</i>	5,890.83	
40 05 19 00-1460	EA		30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,358.60	1,446.83
			<i>For Class 52 Rating, Deduct</i>	-2,218.31	
			<i>For Class 54 Rating, Add</i>	3,051.27	
			<i>For Class 55 Rating, Add</i>	4,549.73	
			<i>For Class 56 Rating, Add</i>	6,028.01	
40 05 19 00-1461	EA		30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,827.95	1,450.07
			<i>For Class 52 Rating, Deduct</i>	-2,269.40	
			<i>For Class 54 Rating, Add</i>	3,121.00	
			<i>For Class 55 Rating, Add</i>	4,653.41	
			<i>For Class 56 Rating, Add</i>	6,165.20	
40 05 19 00-1462	EA		30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,297.29	1,453.30
			<i>For Class 52 Rating, Deduct</i>	-2,320.48	
			<i>For Class 54 Rating, Add</i>	3,190.72	
			<i>For Class 55 Rating, Add</i>	4,757.10	
			<i>For Class 56 Rating, Add</i>	6,302.39	
40 05 19 00-1463			36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1464	EA		36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,129.49	1,689.59
			<i>For Class 52 Rating, Deduct</i>	-612.65	
			<i>For Class 54 Rating, Add</i>	866.15	
			<i>For Class 55 Rating, Add</i>	1,303.44	
			<i>For Class 56 Rating, Add</i>	1,735.16	
40 05 19 00-1465	EA		36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,766.19	1,692.84
			<i>For Class 52 Rating, Deduct</i>	-682.14	
			<i>For Class 54 Rating, Add</i>	960.97	
			<i>For Class 55 Rating, Add</i>	1,444.45	
			<i>For Class 56 Rating, Add</i>	1,921.72	
40 05 19 00-1466	EA		36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,402.88	1,696.06
			<i>For Class 52 Rating, Deduct</i>	-751.64	
			<i>For Class 54 Rating, Add</i>	1,055.80	
			<i>For Class 55 Rating, Add</i>	1,585.45	
			<i>For Class 56 Rating, Add</i>	2,108.27	
40 05 19 00-1467	EA		36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,039.57	1,699.30
			<i>For Class 52 Rating, Deduct</i>	-821.14	
			<i>For Class 54 Rating, Add</i>	1,150.63	
			<i>For Class 55 Rating, Add</i>	1,726.46	
			<i>For Class 56 Rating, Add</i>	2,294.83	
40 05 19 00-1468	EA		36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,676.26	1,702.54
			<i>For Class 52 Rating, Deduct</i>	-890.63	
			<i>For Class 54 Rating, Add</i>	1,245.45	
			<i>For Class 55 Rating, Add</i>	1,867.47	
			<i>For Class 56 Rating, Add</i>	2,481.38	
40 05 19 00-1469	EA		36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,312.95	1,705.77
			<i>For Class 52 Rating, Deduct</i>	-960.13	
			<i>For Class 54 Rating, Add</i>	1,340.28	
			<i>For Class 55 Rating, Add</i>	2,008.47	
			<i>For Class 56 Rating, Add</i>	2,667.93	
40 05 19 00-1470	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,949.64	1,709.01
			<i>For Class 52 Rating, Deduct</i>	-1,029.63	
			<i>For Class 54 Rating, Add</i>	1,435.11	
			<i>For Class 55 Rating, Add</i>	2,149.48	
			<i>For Class 56 Rating, Add</i>	2,854.49	
40 05 19 00-1471	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,586.34	1,712.25
			<i>For Class 52 Rating, Deduct</i>	-1,099.12	
			<i>For Class 54 Rating, Add</i>	1,529.93	
			<i>For Class 55 Rating, Add</i>	2,290.48	
			<i>For Class 56 Rating, Add</i>	3,041.04	
40 05 19 00-1472	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,223.02	1,715.49
			<i>For Class 52 Rating, Deduct</i>	-1,168.62	
			<i>For Class 54 Rating, Add</i>	1,624.76	
			<i>For Class 55 Rating, Add</i>	2,431.49	
			<i>For Class 56 Rating, Add</i>	3,227.60	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1473 EA 36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,859.72	1,718.72
<i>For Class 52 Rating, Deduct</i>	-1,238.12	
<i>For Class 54 Rating, Add</i>	1,719.59	
<i>For Class 55 Rating, Add</i>	2,572.50	
<i>For Class 56 Rating, Add</i>	3,414.15	
40 05 19 00-1474 EA 36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,496.41	1,721.96
<i>For Class 52 Rating, Deduct</i>	-1,307.61	
<i>For Class 54 Rating, Add</i>	1,814.42	
<i>For Class 55 Rating, Add</i>	2,713.50	
<i>For Class 56 Rating, Add</i>	3,600.70	
40 05 19 00-1475 EA 36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,133.10	1,725.20
<i>For Class 52 Rating, Deduct</i>	-1,377.11	
<i>For Class 54 Rating, Add</i>	1,909.24	
<i>For Class 55 Rating, Add</i>	2,854.51	
<i>For Class 56 Rating, Add</i>	3,787.26	
40 05 19 00-1476 EA 36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,769.80	1,728.42
<i>For Class 52 Rating, Deduct</i>	-1,446.61	
<i>For Class 54 Rating, Add</i>	2,004.07	
<i>For Class 55 Rating, Add</i>	2,995.52	
<i>For Class 56 Rating, Add</i>	3,973.81	
40 05 19 00-1477 EA 36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,406.49	1,731.67
<i>For Class 52 Rating, Deduct</i>	-1,516.10	
<i>For Class 54 Rating, Add</i>	2,098.90	
<i>For Class 55 Rating, Add</i>	3,136.52	
<i>For Class 56 Rating, Add</i>	4,160.37	
40 05 19 00-1478 EA 36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,043.17	1,734.91
<i>For Class 52 Rating, Deduct</i>	-1,585.60	
<i>For Class 54 Rating, Add</i>	2,193.72	
<i>For Class 55 Rating, Add</i>	3,277.53	
<i>For Class 56 Rating, Add</i>	4,346.92	
40 05 19 00-1479 EA 36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,679.87	1,738.15
<i>For Class 52 Rating, Deduct</i>	-1,655.10	
<i>For Class 54 Rating, Add</i>	2,288.55	
<i>For Class 55 Rating, Add</i>	3,418.53	
<i>For Class 56 Rating, Add</i>	4,533.47	
40 05 19 00-1480 EA 36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,316.57	1,741.37
<i>For Class 52 Rating, Deduct</i>	-1,724.59	
<i>For Class 54 Rating, Add</i>	2,383.38	
<i>For Class 55 Rating, Add</i>	3,559.54	
<i>For Class 56 Rating, Add</i>	4,720.03	
40 05 19 00-1481 EA 36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,953.26	1,744.61
<i>For Class 52 Rating, Deduct</i>	-1,794.09	
<i>For Class 54 Rating, Add</i>	2,478.21	
<i>For Class 55 Rating, Add</i>	3,700.55	
<i>For Class 56 Rating, Add</i>	4,906.58	
40 05 19 00-1482 EA 36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,589.94	1,747.86
<i>For Class 52 Rating, Deduct</i>	-1,863.58	
<i>For Class 54 Rating, Add</i>	2,573.03	
<i>For Class 55 Rating, Add</i>	3,841.55	
<i>For Class 56 Rating, Add</i>	5,093.13	
40 05 19 00-1483 EA 36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,226.63	1,751.10
<i>For Class 52 Rating, Deduct</i>	-1,933.08	
<i>For Class 54 Rating, Add</i>	2,667.86	
<i>For Class 55 Rating, Add</i>	3,982.56	
<i>For Class 56 Rating, Add</i>	5,279.69	
40 05 19 00-1484 EA 36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,863.33	1,754.32
<i>For Class 52 Rating, Deduct</i>	-2,002.58	
<i>For Class 54 Rating, Add</i>	2,762.69	
<i>For Class 55 Rating, Add</i>	4,123.57	
<i>For Class 56 Rating, Add</i>	5,466.24	
40 05 19 00-1485 EA 36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,500.03	1,757.56
<i>For Class 52 Rating, Deduct</i>	-2,072.08	
<i>For Class 54 Rating, Add</i>	2,857.51	
<i>For Class 55 Rating, Add</i>	4,264.57	
<i>For Class 56 Rating, Add</i>	5,652.80	
40 05 19 00-1486 EA 36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,136.70	1,760.80
<i>For Class 52 Rating, Deduct</i>	-2,141.57	
<i>For Class 54 Rating, Add</i>	2,952.34	
<i>For Class 55 Rating, Add</i>	4,405.58	
<i>For Class 56 Rating, Add</i>	5,839.35	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1487	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,773.40	1,764.03
			<i>For Class 52 Rating, Deduct</i>	-2,211.07	
			<i>For Class 54 Rating, Add</i>	3,047.17	
			<i>For Class 55 Rating, Add</i>	4,546.58	
			<i>For Class 56 Rating, Add</i>	6,025.90	
40 05 19 00-1488	EA		36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,410.10	1,767.27
			<i>For Class 52 Rating, Deduct</i>	-2,280.57	
			<i>For Class 54 Rating, Add</i>	3,141.99	
			<i>For Class 55 Rating, Add</i>	4,687.59	
			<i>For Class 56 Rating, Add</i>	6,212.46	
40 05 19 00-1489	EA		36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,046.79	1,770.51
			<i>For Class 52 Rating, Deduct</i>	-2,350.06	
			<i>For Class 54 Rating, Add</i>	3,236.82	
			<i>For Class 55 Rating, Add</i>	4,828.60	
			<i>For Class 56 Rating, Add</i>	6,399.01	
40 05 19 00-1490	EA		36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,683.48	1,773.75
			<i>For Class 52 Rating, Deduct</i>	-2,419.56	
			<i>For Class 54 Rating, Add</i>	3,331.65	
			<i>For Class 55 Rating, Add</i>	4,969.60	
			<i>For Class 56 Rating, Add</i>	6,585.56	
40 05 19 00-1491	EA		36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,320.17	1,776.98
			<i>For Class 52 Rating, Deduct</i>	-2,489.05	
			<i>For Class 54 Rating, Add</i>	3,426.47	
			<i>For Class 55 Rating, Add</i>	5,110.61	
			<i>For Class 56 Rating, Add</i>	6,772.12	
40 05 19 00-1492	EA		36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,956.86	1,780.22
			<i>For Class 52 Rating, Deduct</i>	-2,558.55	
			<i>For Class 54 Rating, Add</i>	3,521.30	
			<i>For Class 55 Rating, Add</i>	5,251.62	
			<i>For Class 56 Rating, Add</i>	6,958.67	
40 05 19 00-1493	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,593.56	1,783.46
			<i>For Class 52 Rating, Deduct</i>	-2,628.05	
			<i>For Class 54 Rating, Add</i>	3,616.13	
			<i>For Class 55 Rating, Add</i>	5,392.62	
			<i>For Class 56 Rating, Add</i>	7,145.23	
40 05 19 00-1494	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,230.24	1,786.68
			<i>For Class 52 Rating, Deduct</i>	-2,697.54	
			<i>For Class 54 Rating, Add</i>	3,710.95	
			<i>For Class 55 Rating, Add</i>	5,533.63	
			<i>For Class 56 Rating, Add</i>	7,331.78	
40 05 19 00-1495	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,866.93	1,789.93
			<i>For Class 52 Rating, Deduct</i>	-2,767.04	
			<i>For Class 54 Rating, Add</i>	3,805.78	
			<i>For Class 55 Rating, Add</i>	5,674.64	
			<i>For Class 56 Rating, Add</i>	7,518.33	
40 05 19 00-1496	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,503.63	1,793.17
			<i>For Class 52 Rating, Deduct</i>	-2,836.54	
			<i>For Class 54 Rating, Add</i>	3,900.61	
			<i>For Class 55 Rating, Add</i>	5,815.64	
			<i>For Class 56 Rating, Add</i>	7,704.89	
40 05 19 00-1497	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,140.32	1,796.41
			<i>For Class 52 Rating, Deduct</i>	-2,906.04	
			<i>For Class 54 Rating, Add</i>	3,995.44	
			<i>For Class 55 Rating, Add</i>	5,956.65	
			<i>For Class 56 Rating, Add</i>	7,891.44	
40 05 19 00-1498	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,777.01	1,799.63
			<i>For Class 52 Rating, Deduct</i>	-2,975.53	
			<i>For Class 54 Rating, Add</i>	4,090.26	
			<i>For Class 55 Rating, Add</i>	6,097.65	
			<i>For Class 56 Rating, Add</i>	8,077.99	
40 05 19 00-1499	EA		36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,413.71	1,802.87
			<i>For Class 52 Rating, Deduct</i>	-3,045.03	
			<i>For Class 54 Rating, Add</i>	4,185.09	
			<i>For Class 55 Rating, Add</i>	6,238.66	
			<i>For Class 56 Rating, Add</i>	8,264.55	
40 05 19 00-1500	EA		36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,050.39	1,806.12
			<i>For Class 52 Rating, Deduct</i>	-3,114.52	
			<i>For Class 54 Rating, Add</i>	4,279.92	
			<i>For Class 55 Rating, Add</i>	6,379.67	
			<i>For Class 56 Rating, Add</i>	8,451.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1501 EA 36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,687.09	1,809.35
For Class 52 Rating, Deduct	-3,184.02	
For Class 54 Rating, Add	4,374.74	
For Class 55 Rating, Add	6,520.67	
For Class 56 Rating, Add	8,637.66	
40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1503 EA 42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,693.70	2,129.79
For Class 52 Rating, Deduct	-821.34	
For Class 54 Rating, Add	1,158.74	
For Class 55 Rating, Add	1,742.53	
For Class 56 Rating, Add	2,318.86	
40 05 19 00-1504 EA 42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,642.53	2,133.02
For Class 52 Rating, Deduct	-925.17	
For Class 54 Rating, Add	1,300.38	
For Class 55 Rating, Add	1,953.14	
For Class 56 Rating, Add	2,597.49	
40 05 19 00-1505 EA 42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,580.07	2,136.26
For Class 52 Rating, Deduct	-1,027.76	
For Class 54 Rating, Add	1,440.34	
For Class 55 Rating, Add	2,161.24	
For Class 56 Rating, Add	2,872.80	
40 05 19 00-1506 EA 42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,527.02	2,139.51
For Class 52 Rating, Deduct	-1,131.39	
For Class 54 Rating, Add	1,581.70	
For Class 55 Rating, Add	2,371.43	
For Class 56 Rating, Add	3,150.88	
40 05 19 00-1507 EA 42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,464.56	2,142.74
For Class 52 Rating, Deduct	-1,233.98	
For Class 54 Rating, Add	1,721.66	
For Class 55 Rating, Add	2,579.53	
For Class 56 Rating, Add	3,426.18	
40 05 19 00-1508 EA 42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,413.38	2,145.97
For Class 52 Rating, Deduct	-1,337.81	
For Class 54 Rating, Add	1,863.30	
For Class 55 Rating, Add	2,790.14	
For Class 56 Rating, Add	3,704.82	
40 05 19 00-1509 EA 42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,349.05	2,149.21
For Class 52 Rating, Deduct	-1,440.19	
For Class 54 Rating, Add	2,002.98	
For Class 55 Rating, Add	2,997.82	
For Class 56 Rating, Add	3,979.57	
40 05 19 00-1510 EA 42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,297.88	2,152.45
For Class 52 Rating, Deduct	-1,544.02	
For Class 54 Rating, Add	2,144.62	
For Class 55 Rating, Add	3,208.43	
For Class 56 Rating, Add	4,258.20	
40 05 19 00-1511 EA 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,235.42	2,155.69
For Class 52 Rating, Deduct	-1,646.62	
For Class 54 Rating, Add	2,284.58	
For Class 55 Rating, Add	3,416.53	
For Class 56 Rating, Add	4,533.51	
40 05 19 00-1512 EA 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,182.36	2,158.92
For Class 52 Rating, Deduct	-1,750.24	
For Class 54 Rating, Add	2,425.94	
For Class 55 Rating, Add	3,626.72	
For Class 56 Rating, Add	4,811.58	
40 05 19 00-1513 EA 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,119.90	2,162.16
For Class 52 Rating, Deduct	-1,852.83	
For Class 54 Rating, Add	2,565.90	
For Class 55 Rating, Add	3,834.82	
For Class 56 Rating, Add	5,086.89	
40 05 19 00-1514 EA 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,066.85	2,165.40
For Class 52 Rating, Deduct	-1,956.45	
For Class 54 Rating, Add	2,707.26	
For Class 55 Rating, Add	4,045.01	
For Class 56 Rating, Add	5,364.97	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1515	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,004.40	2,168.62
			<i>For Class 52 Rating, Deduct</i>	-2,059.04	
			<i>For Class 54 Rating, Add</i>	2,847.22	
			<i>For Class 55 Rating, Add</i>	4,253.11	
			<i>For Class 56 Rating, Add</i>	5,640.27	
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,943.80	2,171.86
			<i>For Class 52 Rating, Deduct</i>	-2,161.84	
			<i>For Class 54 Rating, Add</i>	2,987.45	
			<i>For Class 55 Rating, Add</i>	4,461.62	
			<i>For Class 56 Rating, Add</i>	5,916.13	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,888.87	2,175.11
			<i>For Class 52 Rating, Deduct</i>	-2,265.26	
			<i>For Class 54 Rating, Add</i>	3,128.54	
			<i>For Class 55 Rating, Add</i>	4,671.39	
			<i>For Class 56 Rating, Add</i>	6,193.65	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,826.42	2,178.35
			<i>For Class 52 Rating, Deduct</i>	-2,367.85	
			<i>For Class 54 Rating, Add</i>	3,268.49	
			<i>For Class 55 Rating, Add</i>	4,879.49	
			<i>For Class 56 Rating, Add</i>	6,468.96	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,775.24	2,181.58
			<i>For Class 52 Rating, Deduct</i>	-2,471.68	
			<i>For Class 54 Rating, Add</i>	3,410.14	
			<i>For Class 55 Rating, Add</i>	5,090.10	
			<i>For Class 56 Rating, Add</i>	6,747.59	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,712.79	2,184.81
			<i>For Class 52 Rating, Deduct</i>	-2,574.27	
			<i>For Class 54 Rating, Add</i>	3,550.09	
			<i>For Class 55 Rating, Add</i>	5,298.20	
			<i>For Class 56 Rating, Add</i>	7,022.90	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,659.73	2,188.05
			<i>For Class 52 Rating, Deduct</i>	-2,677.90	
			<i>For Class 54 Rating, Add</i>	3,691.46	
			<i>For Class 55 Rating, Add</i>	5,508.39	
			<i>For Class 56 Rating, Add</i>	7,300.98	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,597.27	2,191.28
			<i>For Class 52 Rating, Deduct</i>	-2,780.49	
			<i>For Class 54 Rating, Add</i>	3,831.41	
			<i>For Class 55 Rating, Add</i>	5,716.49	
			<i>For Class 56 Rating, Add</i>	7,576.28	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,546.10	2,194.53
			<i>For Class 52 Rating, Deduct</i>	-2,884.32	
			<i>For Class 54 Rating, Add</i>	3,973.06	
			<i>For Class 55 Rating, Add</i>	5,927.10	
			<i>For Class 56 Rating, Add</i>	7,854.91	
40 05 19 00-1524	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,483.65	2,197.77
			<i>For Class 52 Rating, Deduct</i>	-2,986.91	
			<i>For Class 54 Rating, Add</i>	4,113.01	
			<i>For Class 55 Rating, Add</i>	6,135.19	
			<i>For Class 56 Rating, Add</i>	8,130.22	
40 05 19 00-1525	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,430.59	2,201.00
			<i>For Class 52 Rating, Deduct</i>	-3,090.53	
			<i>For Class 54 Rating, Add</i>	4,254.38	
			<i>For Class 55 Rating, Add</i>	6,345.39	
			<i>For Class 56 Rating, Add</i>	8,408.30	
40 05 19 00-1526	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,368.13	2,204.23
			<i>For Class 52 Rating, Deduct</i>	-3,193.12	
			<i>For Class 54 Rating, Add</i>	4,394.33	
			<i>For Class 55 Rating, Add</i>	6,553.48	
			<i>For Class 56 Rating, Add</i>	8,683.60	
40 05 19 00-1527	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,316.95	2,207.47
			<i>For Class 52 Rating, Deduct</i>	-3,296.95	
			<i>For Class 54 Rating, Add</i>	4,535.98	
			<i>For Class 55 Rating, Add</i>	6,764.09	
			<i>For Class 56 Rating, Add</i>	8,962.24	
40 05 19 00-1528	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,254.50	2,210.72
			<i>For Class 52 Rating, Deduct</i>	-3,399.54	
			<i>For Class 54 Rating, Add</i>	4,675.94	
			<i>For Class 55 Rating, Add</i>	6,972.19	
			<i>For Class 56 Rating, Add</i>	9,237.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1529 EA 42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,199.57	2,213.94
<i>For Class 52 Rating, Deduct</i>	-3,502.96	
<i>For Class 54 Rating, Add</i>	4,817.02	
<i>For Class 55 Rating, Add</i>	7,181.96	
<i>For Class 56 Rating, Add</i>	9,515.07	
40 05 19 00-1530 EA 42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,138.98	2,217.18
<i>For Class 52 Rating, Deduct</i>	-3,605.76	
<i>For Class 54 Rating, Add</i>	4,957.26	
<i>For Class 55 Rating, Add</i>	7,390.48	
<i>For Class 56 Rating, Add</i>	9,790.92	
40 05 19 00-1531 EA 42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,888.50	2,220.42
<i>For Class 52 Rating, Deduct</i>	-3,687.67	
<i>For Class 54 Rating, Add</i>	5,069.01	
<i>For Class 55 Rating, Add</i>	7,556.65	
<i>For Class 56 Rating, Add</i>	10,010.76	
40 05 19 00-1532 EA 42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,023.48	2,223.66
<i>For Class 52 Rating, Deduct</i>	-3,811.97	
<i>For Class 54 Rating, Add</i>	5,238.58	
<i>For Class 55 Rating, Add</i>	7,808.77	
<i>For Class 56 Rating, Add</i>	10,344.31	
40 05 19 00-1533 EA 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,961.02	2,226.89
<i>For Class 52 Rating, Deduct</i>	-3,914.56	
<i>For Class 54 Rating, Add</i>	5,378.53	
<i>For Class 55 Rating, Add</i>	8,016.87	
<i>For Class 56 Rating, Add</i>	10,619.61	
40 05 19 00-1534 EA 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,907.97	2,230.12
<i>For Class 52 Rating, Deduct</i>	-4,018.19	
<i>For Class 54 Rating, Add</i>	5,519.89	
<i>For Class 55 Rating, Add</i>	8,227.06	
<i>For Class 56 Rating, Add</i>	10,897.69	
40 05 19 00-1535 EA 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,845.51	2,233.37
<i>For Class 52 Rating, Deduct</i>	-4,120.78	
<i>For Class 54 Rating, Add</i>	5,659.85	
<i>For Class 55 Rating, Add</i>	8,435.15	
<i>For Class 56 Rating, Add</i>	11,173.00	
40 05 19 00-1536 EA 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,794.33	2,236.61
<i>For Class 52 Rating, Deduct</i>	-4,224.61	
<i>For Class 54 Rating, Add</i>	5,801.50	
<i>For Class 55 Rating, Add</i>	8,645.77	
<i>For Class 56 Rating, Add</i>	11,451.63	
40 05 19 00-1537 EA 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,729.99	2,239.84
<i>For Class 52 Rating, Deduct</i>	-4,326.99	
<i>For Class 54 Rating, Add</i>	5,941.17	
<i>For Class 55 Rating, Add</i>	8,853.44	
<i>For Class 56 Rating, Add</i>	11,726.38	
40 05 19 00-1538 EA 42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,678.82	2,243.08
<i>For Class 52 Rating, Deduct</i>	-4,430.82	
<i>For Class 54 Rating, Add</i>	6,082.82	
<i>For Class 55 Rating, Add</i>	9,064.06	
<i>For Class 56 Rating, Add</i>	12,005.01	
40 05 19 00-1539 EA 42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,616.35	2,246.31
<i>For Class 52 Rating, Deduct</i>	-4,533.41	
<i>For Class 54 Rating, Add</i>	6,222.77	
<i>For Class 55 Rating, Add</i>	9,272.15	
<i>For Class 56 Rating, Add</i>	12,280.32	
40 05 19 00-1540 EA 42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,563.30	2,249.54
<i>For Class 52 Rating, Deduct</i>	-4,637.04	
<i>For Class 54 Rating, Add</i>	6,364.13	
<i>For Class 55 Rating, Add</i>	9,482.34	
<i>For Class 56 Rating, Add</i>	12,558.40	
40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1542 EA 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,765.73	2,676.80
<i>For Class 52 Rating, Deduct</i>	-1,068.10	
<i>For Class 54 Rating, Add</i>	1,505.16	
<i>For Class 55 Rating, Add</i>	2,262.66	
<i>For Class 56 Rating, Add</i>	3,010.45	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1543	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,145.16	2,680.04
			<i>For Class 52 Rating, Deduct</i>	-1,219.29	
			<i>For Class 54 Rating, Add</i>	1,711.40	
			<i>For Class 55 Rating, Add</i>	2,569.30	
			<i>For Class 56 Rating, Add</i>	3,416.11	
40 05 19 00-1544	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,522.69	2,683.28
			<i>For Class 52 Rating, Deduct</i>	-1,370.28	
			<i>For Class 54 Rating, Add</i>	1,917.35	
			<i>For Class 55 Rating, Add</i>	2,875.51	
			<i>For Class 56 Rating, Add</i>	3,821.21	
40 05 19 00-1545	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,911.52	2,686.52
			<i>For Class 52 Rating, Deduct</i>	-1,522.51	
			<i>For Class 54 Rating, Add</i>	2,125.00	
			<i>For Class 55 Rating, Add</i>	3,184.24	
			<i>For Class 56 Rating, Add</i>	4,229.64	
40 05 19 00-1546	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,290.93	2,689.74
			<i>For Class 52 Rating, Deduct</i>	-1,673.71	
			<i>For Class 54 Rating, Add</i>	2,331.24	
			<i>For Class 55 Rating, Add</i>	3,490.88	
			<i>For Class 56 Rating, Add</i>	4,635.30	
40 05 19 00-1547	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,670.34	2,692.99
			<i>For Class 52 Rating, Deduct</i>	-1,824.91	
			<i>For Class 54 Rating, Add</i>	2,537.47	
			<i>For Class 55 Rating, Add</i>	3,797.51	
			<i>For Class 56 Rating, Add</i>	5,040.96	
40 05 19 00-1548	EA		48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,057.29	2,696.23
			<i>For Class 52 Rating, Deduct</i>	-1,976.93	
			<i>For Class 54 Rating, Add</i>	2,744.84	
			<i>For Class 55 Rating, Add</i>	4,105.82	
			<i>For Class 56 Rating, Add</i>	5,448.84	
40 05 19 00-1549	EA		48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,438.58	2,699.46
			<i>For Class 52 Rating, Deduct</i>	-2,128.33	
			<i>For Class 54 Rating, Add</i>	2,951.35	
			<i>For Class 55 Rating, Add</i>	4,412.88	
			<i>For Class 56 Rating, Add</i>	5,855.05	
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,816.12	2,702.69
			<i>For Class 52 Rating, Deduct</i>	-2,279.32	
			<i>For Class 54 Rating, Add</i>	3,157.31	
			<i>For Class 55 Rating, Add</i>	4,719.09	
			<i>For Class 56 Rating, Add</i>	6,260.15	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,204.94	2,705.93
			<i>For Class 52 Rating, Deduct</i>	-2,431.55	
			<i>For Class 54 Rating, Add</i>	3,364.95	
			<i>For Class 55 Rating, Add</i>	5,027.82	
			<i>For Class 56 Rating, Add</i>	6,668.58	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,584.36	2,709.18
			<i>For Class 52 Rating, Deduct</i>	-2,582.75	
			<i>For Class 54 Rating, Add</i>	3,571.19	
			<i>For Class 55 Rating, Add</i>	5,334.46	
			<i>For Class 56 Rating, Add</i>	7,074.24	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,973.18	2,712.40
			<i>For Class 52 Rating, Deduct</i>	-2,734.98	
			<i>For Class 54 Rating, Add</i>	3,778.84	
			<i>For Class 55 Rating, Add</i>	5,643.19	
			<i>For Class 56 Rating, Add</i>	7,482.67	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,350.72	2,715.65
			<i>For Class 52 Rating, Deduct</i>	-2,885.97	
			<i>For Class 54 Rating, Add</i>	3,984.79	
			<i>For Class 55 Rating, Add</i>	5,949.40	
			<i>For Class 56 Rating, Add</i>	7,887.78	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,730.13	2,718.88
			<i>For Class 52 Rating, Deduct</i>	-3,037.17	
			<i>For Class 54 Rating, Add</i>	4,191.03	
			<i>For Class 55 Rating, Add</i>	6,256.04	
			<i>For Class 56 Rating, Add</i>	8,293.44	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,118.95	2,722.12
			<i>For Class 52 Rating, Deduct</i>	-3,189.40	
			<i>For Class 54 Rating, Add</i>	4,398.67	
			<i>For Class 55 Rating, Add</i>	6,564.77	
			<i>For Class 56 Rating, Add</i>	8,701.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1557 EA 48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,498.38	2,725.35
<i>For Class 52 Rating, Deduct</i>	-3,340.60	
<i>For Class 54 Rating, Add</i>	4,604.91	
<i>For Class 55 Rating, Add</i>	6,871.40	
<i>For Class 56 Rating, Add</i>	9,107.53	
40 05 19 00-1558 EA 48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,875.91	2,728.59
<i>For Class 52 Rating, Deduct</i>	-3,491.58	
<i>For Class 54 Rating, Add</i>	4,810.86	
<i>For Class 55 Rating, Add</i>	7,177.62	
<i>For Class 56 Rating, Add</i>	9,512.63	
40 05 19 00-1559 EA 48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,264.73	2,731.84
<i>For Class 52 Rating, Deduct</i>	-3,643.82	
<i>For Class 54 Rating, Add</i>	5,018.51	
<i>For Class 55 Rating, Add</i>	7,486.35	
<i>For Class 56 Rating, Add</i>	9,921.06	
40 05 19 00-1560 EA 48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,644.15	2,735.06
<i>For Class 52 Rating, Deduct</i>	-3,795.01	
<i>For Class 54 Rating, Add</i>	5,224.74	
<i>For Class 55 Rating, Add</i>	7,792.98	
<i>For Class 56 Rating, Add</i>	10,326.72	
40 05 19 00-1561 EA 48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,021.68	2,738.30
<i>For Class 52 Rating, Deduct</i>	-3,946.00	
<i>For Class 54 Rating, Add</i>	5,430.70	
<i>For Class 55 Rating, Add</i>	8,099.20	
<i>For Class 56 Rating, Add</i>	10,731.82	
40 05 19 00-1562 EA 48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,410.51	2,741.54
<i>For Class 52 Rating, Deduct</i>	-4,098.23	
<i>For Class 54 Rating, Add</i>	5,638.35	
<i>For Class 55 Rating, Add</i>	8,407.93	
<i>For Class 56 Rating, Add</i>	11,140.25	
40 05 19 00-1563 EA 48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,791.80	2,744.78
<i>For Class 52 Rating, Deduct</i>	-4,249.64	
<i>For Class 54 Rating, Add</i>	5,844.86	
<i>For Class 55 Rating, Add</i>	8,714.98	
<i>For Class 56 Rating, Add</i>	11,546.46	
40 05 19 00-1564 EA 48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,169.34	2,748.00
<i>For Class 52 Rating, Deduct</i>	-4,400.63	
<i>For Class 54 Rating, Add</i>	6,050.82	
<i>For Class 55 Rating, Add</i>	9,021.20	
<i>For Class 56 Rating, Add</i>	11,951.57	
40 05 19 00-1565 EA 48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,558.16	2,751.25
<i>For Class 52 Rating, Deduct</i>	-4,552.86	
<i>For Class 54 Rating, Add</i>	6,258.46	
<i>For Class 55 Rating, Add</i>	9,329.93	
<i>For Class 56 Rating, Add</i>	12,360.00	
40 05 19 00-1566 EA 48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,937.58	2,754.49
<i>For Class 52 Rating, Deduct</i>	-4,704.05	
<i>For Class 54 Rating, Add</i>	6,464.70	
<i>For Class 55 Rating, Add</i>	9,636.56	
<i>For Class 56 Rating, Add</i>	12,765.66	
40 05 19 00-1567 EA 48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,315.12	2,757.72
<i>For Class 52 Rating, Deduct</i>	-4,855.04	
<i>For Class 54 Rating, Add</i>	6,670.65	
<i>For Class 55 Rating, Add</i>	9,942.78	
<i>For Class 56 Rating, Add</i>	13,170.76	
40 05 19 00-1568 EA 48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,703.94	2,760.95
<i>For Class 52 Rating, Deduct</i>	-5,007.27	
<i>For Class 54 Rating, Add</i>	6,878.30	
<i>For Class 55 Rating, Add</i>	10,251.51	
<i>For Class 56 Rating, Add</i>	13,579.20	
40 05 19 00-1569 EA 48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,083.35	2,764.19
<i>For Class 52 Rating, Deduct</i>	-5,158.47	
<i>For Class 54 Rating, Add</i>	7,084.54	
<i>For Class 55 Rating, Add</i>	10,558.14	
<i>For Class 56 Rating, Add</i>	13,984.85	
40 05 19 00-1570 EA 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,293.55	2,767.44
<i>For Class 52 Rating, Deduct</i>	-5,291.05	
<i>For Class 54 Rating, Add</i>	7,265.39	
<i>For Class 55 Rating, Add</i>	10,827.04	
<i>For Class 56 Rating, Add</i>	14,340.59	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1571	EA		48" Flanged x Plain End (FxpE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,851.60	2,770.67
			<i>For Class 52 Rating, Deduct</i>	-5,461.90	
			<i>For Class 54 Rating, Add</i>	7,498.42	
			<i>For Class 55 Rating, Add</i>	11,173.51	
			<i>For Class 56 Rating, Add</i>	14,798.94	
40 05 19 00-1572	EA		48" Flanged x Plain End (FxpE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,229.13	2,773.91
			<i>For Class 52 Rating, Deduct</i>	-5,612.89	
			<i>For Class 54 Rating, Add</i>	7,704.37	
			<i>For Class 55 Rating, Add</i>	11,479.72	
			<i>For Class 56 Rating, Add</i>	15,204.04	
40 05 19 00-1573	EA		48" Flanged x Plain End (FxpE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,619.83	2,777.14
			<i>For Class 52 Rating, Deduct</i>	-5,765.32	
			<i>For Class 54 Rating, Add</i>	7,912.30	
			<i>For Class 55 Rating, Add</i>	11,788.87	
			<i>For Class 56 Rating, Add</i>	15,613.03	
40 05 19 00-1574	EA		48" Flanged x Plain End (FxpE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,997.36	2,780.37
			<i>For Class 52 Rating, Deduct</i>	-5,916.31	
			<i>For Class 54 Rating, Add</i>	8,118.25	
			<i>For Class 55 Rating, Add</i>	12,095.09	
			<i>For Class 56 Rating, Add</i>	16,018.13	
40 05 19 00-1575	EA		48" Flanged x Plain End (FxpE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,374.91	2,783.61
			<i>For Class 52 Rating, Deduct</i>	-6,067.30	
			<i>For Class 54 Rating, Add</i>	8,324.21	
			<i>For Class 55 Rating, Add</i>	12,401.30	
			<i>For Class 56 Rating, Add</i>	16,423.24	
40 05 19 00-1576	EA		48" Flanged x Plain End (FxpE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,765.61	2,786.86
			<i>For Class 52 Rating, Deduct</i>	-6,219.74	
			<i>For Class 54 Rating, Add</i>	8,532.14	
			<i>For Class 55 Rating, Add</i>	12,710.45	
			<i>For Class 56 Rating, Add</i>	16,832.22	
40 05 19 00-1577	EA		48" Flanged x Plain End (FxpE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,143.15	2,790.10
			<i>For Class 52 Rating, Deduct</i>	-6,370.73	
			<i>For Class 54 Rating, Add</i>	8,738.09	
			<i>For Class 55 Rating, Add</i>	13,016.67	
			<i>For Class 56 Rating, Add</i>	17,237.33	
40 05 19 00-1578	EA		48" Flanged x Plain End (FxpE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,522.56	2,793.32
			<i>For Class 52 Rating, Deduct</i>	-6,521.93	
			<i>For Class 54 Rating, Add</i>	8,944.33	
			<i>For Class 55 Rating, Add</i>	13,323.30	
			<i>For Class 56 Rating, Add</i>	17,642.99	
40 05 19 00-1579	EA		48" Flanged x Plain End (FxpE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,911.39	2,796.56
			<i>For Class 52 Rating, Deduct</i>	-6,674.16	
			<i>For Class 54 Rating, Add</i>	9,151.97	
			<i>For Class 55 Rating, Add</i>	13,632.03	
			<i>For Class 56 Rating, Add</i>	18,051.42	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree**Elbows (40 05 19 00-001)**

40 05 19 00-1581	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	429.42	156.16
40 05 19 00-1582	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	600.94	199.69
40 05 19 00-1583	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	833.92	226.19
40 05 19 00-1584	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,214.21	286.76
40 05 19 00-1585	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,497.98	318.00
40 05 19 00-1586	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,860.47	345.44
40 05 19 00-1587	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	2,291.99	425.89
40 05 19 00-1588	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	3,000.92	511.07
40 05 19 00-1589	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	3,698.50	643.56
40 05 19 00-1590	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	5,593.88	728.74
40 05 19 00-1591	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	9,373.87	965.35
40 05 19 00-1592	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	13,252.14	1,093.11
40 05 19 00-1593	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	22,119.17	1,249.28
40 05 19 00-1594	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	29,434.56	1,533.21

40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree**Elbows (40 05 19 00-001)**

40 05 19 00-1596	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	408.31	156.16
40 05 19 00-1597	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	567.16	199.69
40 05 19 00-1598	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	748.06	226.19
40 05 19 00-1599	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,090.36	286.76
40 05 19 00-1600	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,340.35	318.00
40 05 19 00-1601	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,539.57	345.44
40 05 19 00-1602	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,937.32	425.89
40 05 19 00-1603	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	2,523.80	511.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1604 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	3,263.60	643.56
40 05 19 00-1605 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	4,282.15	728.74
40 05 19 00-1606 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	8,414.00	965.35
40 05 19 00-1607 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	12,551.23	1,093.11
40 05 19 00-1608 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	19,105.84	1,249.28
40 05 19 00-1609 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	26,025.74	1,533.21
40 05 19 00-1610 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1611 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	406.90	156.16
40 05 19 00-1612 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	555.90	199.69
40 05 19 00-1613 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	738.21	226.19
40 05 19 00-1614 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,062.21	286.76
40 05 19 00-1615 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,402.28	318.00
40 05 19 00-1616 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,735.21	345.44
40 05 19 00-1617 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,980.95	425.89
40 05 19 00-1618 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,577.28	511.07
40 05 19 00-1619 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,495.82	643.56
40 05 19 00-1620 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,811.35	728.74
40 05 19 00-1621 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	8,508.29	965.35
40 05 19 00-1622 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	12,767.98	1,093.11
40 05 19 00-1623 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	19,537.93	1,249.28
40 05 19 00-1624 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	26,588.71	1,533.21
40 05 19 00-1625 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1626 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	442.09	156.16
40 05 19 00-1627 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	622.05	199.69
40 05 19 00-1628 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	766.36	226.19
40 05 19 00-1629 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,162.14	286.76
40 05 19 00-1630 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,586.65	318.00
40 05 19 00-1631 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,783.06	345.44
40 05 19 00-1632 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,180.81	425.89
40 05 19 00-1633 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,577.28	511.07
40 05 19 00-1634 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,495.82	643.56
40 05 19 00-1635 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,001.35	728.74
40 05 19 00-1636 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	8,602.59	965.35
40 05 19 00-1637 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	12,860.87	1,093.11
40 05 19 00-1638 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	19,636.45	1,249.28
40 05 19 00-1639 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	26,787.16	1,533.21
40 05 19 00-1640 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1641 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	566.56	177.93
40 05 19 00-1642 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	695.01	191.18
40 05 19 00-1643 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	782.87	212.94
40 05 19 00-1644 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,036.46	221.46
40 05 19 00-1645 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,096.18	243.23
40 05 19 00-1646 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,196.48	256.48
40 05 19 00-1647 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,114.32	237.55
40 05 19 00-1648 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,254.26	259.32
40 05 19 00-1649 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,437.60	272.57
40 05 19 00-1650 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,534.15	302.85
40 05 19 00-1651 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,437.60	272.57
40 05 19 00-1652 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,589.98	285.82
40 05 19 00-1653 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,770.98	316.10
40 05 19 00-1654 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,957.22	332.19
40 05 19 00-1655 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,657.59	312.80
40 05 19 00-1656 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,786.03	326.05
40 05 19 00-1657 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,047.26	356.33
40 05 19 00-1658 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,231.37	371.94
40 05 19 00-1659 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,387.27	385.67
40 05 19 00-1660 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,937.46	355.38
40 05 19 00-1661 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,307.99	368.63
40 05 19 00-1662 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,380.61	398.92
40 05 19 00-1663 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,512.64	414.53
40 05 19 00-1664 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,722.04	428.26
40 05 19 00-1665 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,968.75	468.48
40 05 19 00-1666 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,493.84	421.63
40 05 19 00-1667 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,658.88	434.88
40 05 19 00-1668 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,283.23	465.17
40 05 19 00-1669 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,406.82	480.78
40 05 19 00-1670 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,751.32	494.51
40 05 19 00-1671 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,678.56	534.73
40 05 19 00-1672 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,917.62	577.31
40 05 19 00-1673 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,484.46	464.22
40 05 19 00-1674 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,650.92	477.47

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

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

40 05 19 00-1675	EA		24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,927.62	507.76
40 05 19 00-1676	EA		24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,125.80	523.37
40 05 19 00-1677	EA		24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,494.24	537.10
40 05 19 00-1678	EA		24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,843.71	577.31
40 05 19 00-1679	EA		24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,965.94	619.90
40 05 19 00-1680	EA		24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	5,215.91	613.05
40 05 19 00-1681	EA		30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,185.39	641.67
40 05 19 00-1682	EA		30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,579.16	655.40
40 05 19 00-1683	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	7,408.56	695.62
40 05 19 00-1684	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,599.04	738.21
40 05 19 00-1685	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	9,933.74	804.46
40 05 19 00-1686	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	10,490.87	847.04
40 05 19 00-1687	EA		36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,487.64	705.56
40 05 19 00-1688	EA		36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	10,957.38	719.28
40 05 19 00-1689	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,942.36	759.51
40 05 19 00-1690	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	11,641.61	802.09
40 05 19 00-1691	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	11,155.08	868.34
40 05 19 00-1692	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	12,155.56	910.93
40 05 19 00-1693	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	12,979.41	1,029.23
40 05 19 00-1694	EA		42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	14,932.07	797.36
40 05 19 00-1695	EA		42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	12,624.30	837.58
40 05 19 00-1696	EA		42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	16,957.58	880.17
40 05 19 00-1697	EA		42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	16,701.88	946.42
40 05 19 00-1698	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	14,608.81	989.01
40 05 19 00-1699	EA		42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	17,203.22	1,107.31
40 05 19 00-1700	EA		42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	24,218.99	1,171.20
40 05 19 00-1701	EA		48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	23,183.73	1,142.80
40 05 19 00-1702	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	25,216.57	1,261.11
40 05 19 00-1703	EA		48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	25,960.78	1,324.99
40 05 19 00-1704	EA		48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	33,143.03	1,403.07

40 05 19 00-1705 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows (40 05 19 00-0001)

40 05 19 00-1706	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	506.83	156.16
40 05 19 00-1707	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	774.05	199.69
40 05 19 00-1708	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,123.85	226.19
40 05 19 00-1709	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,591.41	286.76
40 05 19 00-1710	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	2,231.26	318.00
40 05 19 00-1711	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	2,596.56	345.44
40 05 19 00-1712	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	3,364.46	425.89
40 05 19 00-1713	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	4,164.87	511.07
40 05 19 00-1714	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	5,668.91	643.56
40 05 19 00-1715	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	8,287.72	728.74
40 05 19 00-1716	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	14,529.32	965.35
40 05 19 00-1717	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	22,047.23	1,093.11
40 05 19 00-1718	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	34,103.52	1,249.28

40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base (40 05 19 00-0001)

40 05 19 00-1720	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	533.57	156.16
40 05 19 00-1721	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	721.98	199.69
40 05 19 00-1722	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	1,160.44	226.19
40 05 19 00-1723	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	1,564.66	286.76
40 05 19 00-1724	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	2,089.11	318.00
40 05 19 00-1725	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	2,461.44	345.44
40 05 19 00-1726	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	3,040.75	425.89
40 05 19 00-1727	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	3,815.83	511.07
40 05 19 00-1728	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	5,029.93	643.56
40 05 19 00-1729	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	7,071.70	728.74
40 05 19 00-1730	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	11,549.77	965.35
40 05 19 00-1731	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	16,461.10	1,093.11
40 05 19 00-1732	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	30,427.29	1,249.28
40 05 19 00-1733	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	32,844.78	1,533.21

40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees (40 05 19 00-0001)

40 05 19 00-1735	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	731.86	250.80
40 05 19 00-1736	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	906.60	308.53
40 05 19 00-1737	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,255.25	344.50
40 05 19 00-1738	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,792.96	447.66
40 05 19 00-1739	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	2,361.30	488.35
40 05 19 00-1740	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	3,136.43	525.26
40 05 19 00-1741	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	3,566.73	662.49
40 05 19 00-1742	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	4,339.25	757.13
40 05 19 00-1743	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	5,473.59	955.88
40 05 19 00-1744	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	7,991.47	1,055.26
40 05 19 00-1745	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	13,533.99	1,457.49
40 05 19 00-1746	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	19,423.05	1,670.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1747 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	39,869.19	1,930.70
40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees <small>(40 05 19 00-0001)</small>		
40 05 19 00-1749 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	910.03	280.14
40 05 19 00-1750 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,114.26	285.82
40 05 19 00-1751 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,120.90	321.78
40 05 19 00-1752 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,457.12	316.10
40 05 19 00-1753 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,446.87	352.07
40 05 19 00-1754 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,526.32	374.78
40 05 19 00-1755 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,833.36	332.19
40 05 19 00-1756 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,835.78	368.16
40 05 19 00-1757 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,939.15	390.87
40 05 19 00-1758 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,309.95	463.74
40 05 19 00-1759 EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,644.41	345.44
40 05 19 00-1760 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,596.16	381.41
40 05 19 00-1761 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,712.21	404.12
40 05 19 00-1762 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,874.70	476.99
40 05 19 00-1763 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,047.81	502.08
40 05 19 00-1764 EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,200.77	385.67
40 05 19 00-1765 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,962.51	421.63
40 05 19 00-1766 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,920.93	444.35
40 05 19 00-1767 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,426.84	517.22
40 05 19 00-1768 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,333.95	542.30
40 05 19 00-1769 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,709.68	565.49
40 05 19 00-1770 EA 18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,905.70	428.26
40 05 19 00-1771 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,972.15	464.22
40 05 19 00-1772 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,565.33	486.94
40 05 19 00-1773 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,592.70	559.81
40 05 19 00-1774 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,905.16	584.89
40 05 19 00-1775 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,256.96	608.08
40 05 19 00-1776 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,565.80	705.08
40 05 19 00-1777 EA 20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,540.84	494.51
40 05 19 00-1778 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,339.24	530.47
40 05 19 00-1779 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,431.35	553.19
40 05 19 00-1780 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,629.03	626.06
40 05 19 00-1781 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,810.58	651.14
40 05 19 00-1782 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,875.27	674.33
40 05 19 00-1783 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,862.50	771.33
40 05 19 00-1784 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,999.07	823.38
40 05 19 00-1785 EA 24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,710.26	537.10
40 05 19 00-1786 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,954.07	573.06
40 05 19 00-1787 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,178.48	595.78
40 05 19 00-1788 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,394.47	668.65
40 05 19 00-1789 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,034.84	693.72
40 05 19 00-1790 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,185.39	716.92
40 05 19 00-1791 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,408.38	813.92
40 05 19 00-1792 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,380.25	865.97
40 05 19 00-1793 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,674.31	925.37
40 05 19 00-1794 EA 30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,040.47	691.36
40 05 19 00-1795 EA 30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,144.44	714.08
40 05 19 00-1796 EA 30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,442.05	786.95
40 05 19 00-1797 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,480.05	812.03
40 05 19 00-1798 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,515.18	835.22
40 05 19 00-1799 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,755.05	932.22
40 05 19 00-1800 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,895.84	984.27
40 05 19 00-1801 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,250.01	1,116.77
40 05 19 00-1802 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,347.98	1,173.56
40 05 19 00-1803 EA 36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,912.83	989.48
40 05 19 00-1804 EA 36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,873.22	1,007.47
40 05 19 00-1805 EA 36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,982.34	1,059.04
40 05 19 00-1806 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,106.06	1,079.39
40 05 19 00-1807 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,164.98	1,097.84
40 05 19 00-1808 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,330.88	1,166.47
40 05 19 00-1809 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,433.53	1,213.79
40 05 19 00-1810 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,707.95	1,313.16
40 05 19 00-1811 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,063.32	1,362.85
40 05 19 00-1812 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	20,990.07	1,563.96
40 05 19 00-1813 EA 42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,695.72	856.04
40 05 19 00-1814 EA 42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,362.82	928.91
40 05 19 00-1815 EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,400.81	953.99
40 05 19 00-1816 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,468.32	977.18
40 05 19 00-1817 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,681.46	1,074.18
40 05 19 00-1818 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,926.40	1,126.24
40 05 19 00-1819 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,127.15	1,258.75
40 05 19 00-1820 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,477.79	1,315.53
40 05 19 00-1821 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	29,733.38	1,599.46
40 05 19 00-1822 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	38,136.45	1,748.51
40 05 19 00-1823 EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	30,248.08	1,107.79
40 05 19 00-1824 EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	30,283.22	1,130.97
40 05 19 00-1825 EA 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	30,528.73	1,227.98

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1826 EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	30,607.60	1,280.04
40 05 19 00-1827 EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	30,939.24	1,412.53
40 05 19 00-1828 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	31,257.50	1,469.32
40 05 19 00-1829 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	32,152.15	1,753.24
40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base (40 05 19 00-0001)		
40 05 19 00-1831 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	785.34	250.80
40 05 19 00-1832 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,060.01	308.53
40 05 19 00-1833 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,519.85	344.50
40 05 19 00-1834 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,292.60	447.66
40 05 19 00-1835 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,053.76	488.35
40 05 19 00-1836 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,406.66	525.26
40 05 19 00-1837 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	4,231.04	662.49
40 05 19 00-1838 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	5,128.83	757.13
40 05 19 00-1839 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	6,835.99	955.88
40 05 19 00-1840 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	9,767.66	1,055.26
40 05 19 00-1841 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	16,299.61	1,457.49
40 05 19 00-1842 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	23,137.29	1,670.44
40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes (40 05 19 00-0001)		
40 05 19 00-1844 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	650.23	250.80
40 05 19 00-1845 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	899.56	308.53
40 05 19 00-1846 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,276.36	344.50
40 05 19 00-1847 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,676.15	447.66
40 05 19 00-1848 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	2,354.26	488.35
40 05 19 00-1849 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	3,029.47	525.26
40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses (40 05 19 00-0001)		
40 05 19 00-1851 EA 4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	893.56	345.44
40 05 19 00-1852 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,159.66	374.31
40 05 19 00-1853 EA 6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,233.36	417.37
40 05 19 00-1854 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,411.07	380.46
40 05 19 00-1855 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,541.96	430.62
40 05 19 00-1856 EA 8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,600.56	462.80
40 05 19 00-1857 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,806.00	410.75
40 05 19 00-1858 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,990.37	460.91
40 05 19 00-1859 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,174.24	493.08
40 05 19 00-1860 EA 10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,698.24	608.55
40 05 19 00-1861 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,313.82	426.37
40 05 19 00-1862 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,443.30	476.53
40 05 19 00-1863 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,628.58	508.70
40 05 19 00-1864 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,179.32	624.17
40 05 19 00-1865 EA 12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,010.68	658.71
40 05 19 00-1866 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,894.78	490.24
40 05 19 00-1867 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,078.65	522.42
40 05 19 00-1868 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,442.18	637.89
40 05 19 00-1869 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,738.01	672.43
40 05 19 00-1870 EA 14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,921.19	705.08
40 05 19 00-1871 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,441.29	530.47
40 05 19 00-1872 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,650.48	562.65
40 05 19 00-1873 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,014.03	678.11
40 05 19 00-1874 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,336.61	712.65
40 05 19 00-1875 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,989.14	745.31
40 05 19 00-1876 EA 16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,941.39	899.10
40 05 19 00-1877 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,587.44	573.06
40 05 19 00-1878 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,795.24	605.24
40 05 19 00-1879 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,105.30	720.70
40 05 19 00-1880 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,426.46	755.24
40 05 19 00-1881 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,067.05	787.90
40 05 19 00-1882 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,543.56	941.69
40 05 19 00-1883 EA 18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,798.63	1,003.20
40 05 19 00-1884 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,649.11	639.31
40 05 19 00-1885 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,870.97	671.49
40 05 19 00-1886 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,161.33	786.95
40 05 19 00-1887 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,503.60	821.49
40 05 19 00-1888 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,610.78	854.15
40 05 19 00-1889 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,829.01	1,007.93
40 05 19 00-1890 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,095.33	1,069.45
40 05 19 00-1891 EA 20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,803.22	1,268.21
40 05 19 00-1892 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,104.18	681.90
40 05 19 00-1893 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,266.94	714.08
40 05 19 00-1894 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,644.56	829.54
40 05 19 00-1895 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,871.42	864.08
40 05 19 00-1896 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,008.15	896.74
40 05 19 00-1897 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,443.85	1,050.52
40 05 19 00-1898 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,594.72	1,112.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1899 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,159.47	1,237.69
40 05 19 00-1900 EA 24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,189.88	1,381.78
40 05 19 00-1901 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,204.02	982.38
40 05 19 00-1902 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,284.46	1,015.04
40 05 19 00-1903 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,734.23	1,168.84
40 05 19 00-1904 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,889.36	1,230.35
40 05 19 00-1905 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,532.50	1,429.10
40 05 19 00-1906 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,209.32	1,500.08
40 05 19 00-1907 EA 30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,471.01	1,949.63
40 05 19 00-1908 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	15,796.25	1,249.75
40 05 19 00-1909 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	15,838.55	1,277.67
40 05 19 00-1910 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,217.16	1,403.07
40 05 19 00-1911 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,363.71	1,459.85
40 05 19 00-1912 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,894.74	1,625.48
40 05 19 00-1913 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,488.36	1,689.37
40 05 19 00-1914 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	23,597.77	2,056.10
40 05 19 00-1915 EA 36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	25,874.06	2,247.75
40 05 19 00-1916 EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	23,155.76	1,124.34
40 05 19 00-1917 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	23,205.23	1,157.00
40 05 19 00-1918 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	23,636.70	1,310.80
40 05 19 00-1919 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	23,762.28	1,372.32
40 05 19 00-1920 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,361.79	1,571.06
40 05 19 00-1921 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,966.16	1,642.04
40 05 19 00-1922 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	32,134.20	2,091.59
40 05 19 00-1923 EA 42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	44,275.01	2,325.83
40 05 19 00-1924 EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	33,022.80	2,612.12
40 05 19 00-1925 EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	31,017.31	1,310.80
40 05 19 00-1926 EA 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	31,450.19	1,464.59
40 05 19 00-1927 EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	31,575.77	1,526.10
40 05 19 00-1928 EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	32,141.50	1,724.85
40 05 19 00-1929 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	32,745.88	1,795.83
40 05 19 00-1930 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	34,320.74	2,245.38

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)

40 05 19 00-1932 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	475.08	177.93
40 05 19 00-1933 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	597.90	191.18
40 05 19 00-1934 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	659.02	212.94
40 05 19 00-1935 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	795.78	221.46
40 05 19 00-1936 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	807.65	243.23
40 05 19 00-1937 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	937.51	256.48
40 05 19 00-1938 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,005.95	237.55
40 05 19 00-1939 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,043.15	259.32
40 05 19 00-1940 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,140.63	272.57
40 05 19 00-1941 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,282.22	302.85
40 05 19 00-1942 EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,547.01	259.32
40 05 19 00-1943 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,247.59	272.57
40 05 19 00-1944 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,376.04	285.82
40 05 19 00-1945 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,513.42	316.10
40 05 19 00-1946 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,477.28	332.19
40 05 19 00-1947 EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,827.27	291.03
40 05 19 00-1948 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,498.55	312.80
40 05 19 00-1949 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,422.91	326.05
40 05 19 00-1950 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,584.21	356.33
40 05 19 00-1951 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,947.06	371.94
40 05 19 00-1952 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,091.71	385.67
40 05 19 00-1953 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,309.02	355.38
40 05 19 00-1954 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,850.57	368.63
40 05 19 00-1955 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,031.56	398.92
40 05 19 00-1956 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,022.85	414.53
40 05 19 00-1957 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,316.70	428.26
40 05 19 00-1958 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,322.74	468.48
40 05 19 00-1959 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,377.02	421.63
40 05 19 00-1960 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,311.24	434.88
40 05 19 00-1961 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,502.10	465.17
40 05 19 00-1962 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,445.54	480.78
40 05 19 00-1963 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,808.33	494.51
40 05 19 00-1964 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,652.54	534.73
40 05 19 00-1965 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,251.90	577.31
40 05 19 00-1966 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,099.20	477.47
40 05 19 00-1967 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,492.72	507.76
40 05 19 00-1968 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,751.42	523.37
40 05 19 00-1969 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,851.04	537.10
40 05 19 00-1970 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,432.05	577.31
40 05 19 00-1971 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,125.69	619.90
40 05 19 00-1972 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,347.52	613.05
40 05 19 00-1973 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,895.56	695.62
40 05 19 00-1974 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,147.28	738.21
40 05 19 00-1975 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,620.62	804.46
40 05 19 00-1976 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,305.84	847.04

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1977 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	8,010.63	759.51
40 05 19 00-1978 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	8,415.75	802.09
40 05 19 00-1979 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	8,951.03	868.34
40 05 19 00-1980 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	9,730.54	910.93
40 05 19 00-1981 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	11,213.07	1,029.23
40 05 19 00-1982 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	13,549.01	989.01
40 05 19 00-1983 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	15,315.84	1,107.31
40 05 19 00-1984 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	17,300.01	1,171.20
40 05 19 00-1985 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	17,190.85	1,142.80
40 05 19 00-1986 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	19,289.84	1,261.11
40 05 19 00-1987 EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	21,538.60	1,324.99
40 05 19 00-1988 EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	24,107.27	1,403.07

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)

40 05 19 00-1990 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	513.08	177.93
40 05 19 00-1991 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	641.53	191.18
40 05 19 00-1992 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	727.98	212.94
40 05 19 00-1993 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	795.78	221.46
40 05 19 00-1994 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	854.10	243.23
40 05 19 00-1995 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	981.14	256.48
40 05 19 00-1996 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,005.95	237.55
40 05 19 00-1997 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,093.82	259.32
40 05 19 00-1998 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,194.11	272.57
40 05 19 00-1999 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,375.11	302.85
40 05 19 00-2000 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,247.59	272.57
40 05 19 00-2001 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,349.30	285.82
40 05 19 00-2002 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,503.57	316.10
40 05 19 00-2003 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,715.14	332.19
40 05 19 00-2004 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,498.55	312.80
40 05 19 00-2005 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,624.17	326.05
40 05 19 00-2006 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,805.18	356.33
40 05 19 00-2007 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,990.69	371.94
40 05 19 00-2008 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,091.71	385.67
40 05 19 00-2009 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,850.57	368.63
40 05 19 00-2010 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,031.56	398.92
40 05 19 00-2011 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,217.08	414.53
40 05 19 00-2012 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,316.70	428.26
40 05 19 00-2013 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,539.48	468.48
40 05 19 00-2014 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,678.21	421.63
40 05 19 00-2015 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,456.21	434.88
40 05 19 00-2016 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,502.10	465.17
40 05 19 00-2017 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,728.43	480.78
40 05 19 00-2018 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,808.33	494.51
40 05 19 00-2019 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,069.14	534.73
40 05 19 00-2020 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,250.49	577.31
40 05 19 00-2021 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,389.13	477.47
40 05 19 00-2022 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,492.72	507.76
40 05 19 00-2023 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,574.08	523.37
40 05 19 00-2024 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,652.59	537.10
40 05 19 00-2025 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,917.62	577.31
40 05 19 00-2026 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,125.69	619.90
40 05 19 00-2027 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,347.52	613.05
40 05 19 00-2028 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,015.47	655.40
40 05 19 00-2029 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,858.25	695.62
40 05 19 00-2030 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,178.25	738.21
40 05 19 00-2031 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,620.62	804.46
40 05 19 00-2032 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,305.84	847.04
40 05 19 00-2033 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,072.56	759.51
40 05 19 00-2034 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,415.75	802.09
40 05 19 00-2035 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,920.07	868.34
40 05 19 00-2036 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	9,696.76	910.93
40 05 19 00-2037 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	11,182.11	1,029.23
40 05 19 00-2038 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	13,549.01	989.01
40 05 19 00-2039 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	11,515.76	1,107.31
40 05 19 00-2040 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	17,300.01	1,171.20
40 05 19 00-2041 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	19,289.84	1,261.11
40 05 19 00-2042 EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	21,538.60	1,324.99
40 05 19 00-2043 EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	24,107.27	1,403.07

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges (40 05 19 00-0001)

40 05 19 00-2045 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	181.87	61.52
40 05 19 00-2046 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	272.77	90.86
40 05 19 00-2047 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	390.08	107.89
40 05 19 00-2048 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	531.32	125.87
40 05 19 00-2049 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	682.53	147.64
40 05 19 00-2050 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	895.55	165.62
40 05 19 00-2051 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,067.92	189.28



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	40 05 19 00-2052	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,448.65	265.00
	40 05 19 00-2053	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,919.18	331.25
	40 05 19 00-2054	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,717.79	402.23
	40 05 19 00-2055	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	3,808.99	468.48
	40 05 19 00-2056	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	6,729.35	515.80
	40 05 19 00-2057	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	9,451.39	567.85
	40 05 19 00-2058	EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	12,465.31	638.83
	40 05 19 00-2059	Ductile Iron Bolt Packs <small>(40 05 19)</small>		
		Note: Labor installation is included with pipe fittings or valves.		
	40 05 19 00-2060	EA 4" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	29.75	
		Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	8.33	
		For Hot Dip Galvanized, Add	11.90	
	40 05 19 00-2061	EA 6" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	45.91	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	12.85	
		For Hot Dip Galvanized, Add	18.36	
	40 05 19 00-2062	EA 8" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	49.85	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	13.96	
		For Hot Dip Galvanized, Add	19.94	
	40 05 19 00-2063	EA 10" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	111.98	
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	31.35	
		For Hot Dip Galvanized, Add	44.79	
	40 05 19 00-2064	EA 12" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	112.96	
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	31.63	
		For Hot Dip Galvanized, Add	45.18	
	40 05 19 00-2065	EA 14" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	126.56	
		Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	35.44	
		For Hot Dip Galvanized, Add	50.62	
	40 05 19 00-2066	EA 16" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	212.76	
		Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	59.57	
		For Hot Dip Galvanized, Add	85.10	
	40 05 19 00-2067	EA 18" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	309.08	
		Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	86.54	
		For Hot Dip Galvanized, Add	123.63	
	40 05 19 00-2068	EA 20" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	390.26	
		Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	109.27	
		For Hot Dip Galvanized, Add	156.10	
	40 05 19 00-2069	EA 24" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	558.39	
		Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	156.35	
		For Hot Dip Galvanized, Add	223.36	
	40 05 19 00-2070	EA 30" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	882.34	
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	247.06	
		For Hot Dip Galvanized, Add	352.94	
	40 05 19 00-2071	EA 36" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,258.67	
		Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	352.43	
		For Hot Dip Galvanized, Add	503.47	
	40 05 19 00-2072	EA 42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,619.25	
		Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	453.39	
		For Hot Dip Galvanized, Add	647.70	
	40 05 19 00-2073	EA 48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,979.08	
		Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	554.14	
		For Hot Dip Galvanized, Add	791.63	
	40 05 19 00-2074	Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 <small>(40 05 19)</small>		
		Note: Labor installation is included with pipe fittings or valves.		
	40 05 19 00-2075	Full Face Flange Styrene Butadiene (SBR) Gaskets <small>(40 05 19 00-2074)</small>		
	40 05 19 00-2076	EA 4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	8.04	
	40 05 19 00-2077	EA 6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	10.24	
	40 05 19 00-2078	EA 8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	13.89	
	40 05 19 00-2079	EA 10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	16.09	
	40 05 19 00-2080	EA 12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	17.55	
	40 05 19 00-2081	EA 14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	29.25	
	40 05 19 00-2082	EA 16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	35.83	
	40 05 19 00-2083	EA 18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	38.02	
	40 05 19 00-2084	EA 20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	58.50	
	40 05 19 00-2085	EA 24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	62.89	
	40 05 19 00-2086	EA 30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	81.17	
	40 05 19 00-2087	EA 36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	92.87	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2088	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick		99.45	
40 05 19 00-2089	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick		108.96	
40 05 19 00-2090		Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-2074)			
		Note: (Acrylonitrile Butadiene)			
40 05 19 00-2091	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		24.86	
40 05 19 00-2092	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		35.10	
40 05 19 00-2093	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		54.11	
40 05 19 00-2094	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		59.23	
40 05 19 00-2095	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		63.62	
40 05 19 00-2096	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		119.92	
40 05 19 00-2097	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		147.71	
40 05 19 00-2098	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		148.44	
40 05 19 00-2099	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		154.29	
40 05 19 00-2100	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		163.07	
40 05 19 00-2101	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		180.62	
40 05 19 00-2102	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		198.90	
40 05 19 00-2103	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		282.99	
40 05 19 00-2104	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick		309.32	
40 05 19 00-2105		Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-2074)			
		Note: (Polybutadiene)			
40 05 19 00-2106	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		21.94	
40 05 19 00-2107	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		28.52	
40 05 19 00-2108	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		38.76	
40 05 19 00-2109	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		45.34	
40 05 19 00-2110	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		50.46	
40 05 19 00-2111	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		83.36	
40 05 19 00-2112	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		100.18	
40 05 19 00-2113	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		100.91	
40 05 19 00-2114	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		103.11	
40 05 19 00-2115	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		119.92	
40 05 19 00-2116	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		146.98	
40 05 19 00-2117	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		167.46	
40 05 19 00-2118	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		239.85	
40 05 19 00-2119	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick		264.71	
40 05 19 00-2120		Full Face Flange Neoprene Gaskets (40 05 19 00-2074)			
		Note: (Polychloroprene)			
40 05 19 00-2121	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick		25.59	
40 05 19 00-2122	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick		35.83	
40 05 19 00-2123	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick		54.84	
40 05 19 00-2124	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick		59.23	
40 05 19 00-2125	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick		63.62	
40 05 19 00-2126	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick		84.82	
40 05 19 00-2127	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick		149.18	
40 05 19 00-2128	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick		149.91	
40 05 19 00-2129	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick		158.68	
40 05 19 00-2130	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick		160.88	
40 05 19 00-2131	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick		174.77	
40 05 19 00-2132	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick		196.71	
40 05 19 00-2133	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick		285.19	
40 05 19 00-2134	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick		312.24	
40 05 19 00-2135		Full Face Flange FKM Gaskets (40 05 19 00-2074)			
		Note: (Fluoroelastomer Fluorel Viton®)			
40 05 19 00-2136	EA	4" Full Face Flange FKM Gasket, 1/8" Thick		105.77	
40 05 19 00-2137	EA	6" Full Face Flange FKM Gasket, 1/8" Thick		157.48	
40 05 19 00-2138	EA	8" Full Face Flange FKM Gasket, 1/8" Thick		210.36	
40 05 19 00-2139	EA	10" Full Face Flange FKM Gasket, 1/8" Thick		253.84	
40 05 19 00-2140	EA	12" Full Face Flange FKM Gasket, 1/8" Thick		330.23	
40 05 19 00-2141	EA	14" Full Face Flange FKM Gasket, 1/8" Thick		604.05	
40 05 19 00-2142	EA	16" Full Face Flange FKM Gasket, 1/8" Thick		692.19	
40 05 19 00-2143	EA	18" Full Face Flange FKM Gasket, 1/8" Thick		725.10	
40 05 19 00-2144	EA	20" Full Face Flange FKM Gasket, 1/8" Thick		773.28	
40 05 19 00-2145	EA	24" Full Face Flange FKM Gasket, 1/8" Thick		1,069.43	
40 05 19 00-2146	EA	30" Full Face Flange FKM Gasket, 1/8" Thick		1,282.14	
40 05 19 00-2147	EA	36" Full Face Flange FKM Gasket, 1/8" Thick		1,352.66	
40 05 19 00-2148	EA	42" Full Face Flange FKM Gasket, 1/8" Thick		1,686.41	
40 05 19 00-2149	EA	48" Full Face Flange FKM Gasket, 1/8" Thick		1,767.50	
40 05 19 00-2150		Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)			
40 05 19 00-2151	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)		378.85	78.11
40 05 19 00-2152	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)		522.81	95.34
40 05 19 00-2153	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)		768.97	116.29
40 05 19 00-2154	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)		1,052.63	141.86



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2155	EA			12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,334.99	172.99
40 05 19 00-2156	EA			14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,131.58	211.05
40 05 19 00-2157	EA			16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,337.48	257.57
40 05 19 00-2158	EA			18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,455.69	314.15
40 05 19 00-2159	EA			20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,233.35	383.35
40 05 19 00-2160	EA			24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,724.94	467.59
40 05 19 00-2161	EA			30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	6,083.02	570.57
40 05 19 00-2162	EA			36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	9,013.08	696.00
40 05 19 00-2163	EA			42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	23,305.01	849.20
40 05 19 00-2164	EA			48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	29,758.28	1,035.95

40 05 23 Stainless Steel Process Pipe and Tubing (40 05)

40 05 23 23 300- and 400-Series Stainless Steel Process Pipe (40 05 23)

40 05 23 23-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly (40 05 23 23)

		<i>Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.</i>	
40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	42.52
		<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	
		<i>For Type 316, Add</i>	4.75
		<i>For Work In Restricted Working Space, Add</i>	7.27
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	47.97
		<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	
		<i>For Type 316, Add</i>	4.98
		<i>For Work In Restricted Working Space, Add</i>	8.64
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	55.87
		<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	
		<i>For Type 316, Add</i>	5.84
		<i>For Work In Restricted Working Space, Add</i>	10.03
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	64.32
		<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	
		<i>For Type 316, Add</i>	7.37
		<i>For Work In Restricted Working Space, Add</i>	10.79
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	71.04
		<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	
		<i>For Type 316, Add</i>	8.44
		<i>For Work In Restricted Working Space, Add</i>	11.57
40 05 23 23-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	86.06
		<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	
		<i>For Type 316, Add</i>	10.29
		<i>For Work In Restricted Working Space, Add</i>	13.94
40 05 23 23-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	125.64
		<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	
		<i>For Type 316, Add</i>	17.70
		<i>For Work In Restricted Working Space, Add</i>	17.27
40 05 23 23-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	159.08
		<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	
		<i>For Type 316, Add</i>	23.05
		<i>For Work In Restricted Working Space, Add</i>	21.13
40 05 23 23-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	217.03
		<i>Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>	
		<i>For Work In Restricted Working Space, Add</i>	26.81

40 05 23 23-0011 Stainless Steel Tubing And Fittings (40 05 23 23)

40 05 23 23-0012 Type 304 Tubing (40 05 23 23-0011)

40 05 23 23-0013 0.035" Wall (40 05 23 23-0012)

40 05 23 23-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	10.43
		<i>For Work In Restricted Working Space, Add</i>	2.37
40 05 23 23-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	12.11
		<i>For Work In Restricted Working Space, Add</i>	2.84
40 05 23 23-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	14.45
		<i>For Work In Restricted Working Space, Add</i>	3.32
40 05 23 23-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	22.94
		<i>For Work In Restricted Working Space, Add</i>	3.79
40 05 23 23-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	27.13
		<i>For Work In Restricted Working Space, Add</i>	4.27
40 05 23 23-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	30.04
		<i>For Work In Restricted Working Space, Add</i>	4.75
40 05 23 23-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing	33.71
		<i>For Work In Restricted Working Space, Add</i>	5.70

40 05 23 23-0021 0.049" Wall (40 05 23 23-0012)

40 05 23 23-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	16.96
		<i>For Work In Restricted Working Space, Add</i>	2.84
40 05 23 23-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	18.96
		<i>For Work In Restricted Working Space, Add</i>	3.32
40 05 23 23-0024	LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing	22.72
		<i>For Work In Restricted Working Space, Add</i>	3.79

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0025	LF	5/8"	0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	28.74 4.75	7.95
40 05 23 23-0026	LF	3/4"	0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	32.98 5.70	9.56
40 05 23 23-0027	LF	7/8"	0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	37.13 6.64	11.04
40 05 23 23-0028	LF	1"	0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	42.80 7.55	12.51
40 05 23 23-0029			0.065" Wall <small>(40 05 23 23-0012)</small>		
40 05 23 23-0030	LF	1/4"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	19.81 3.32	5.59
40 05 23 23-0031	LF	3/8"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	22.78 3.79	6.33
40 05 23 23-0032	LF	1/2"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	28.12 4.75	7.95
40 05 23 23-0033	LF	5/8"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	33.09 5.70	9.56
40 05 23 23-0034	LF	3/4"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	38.99 6.64	11.04
40 05 23 23-0035	LF	7/8"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	44.78 7.55	12.51
40 05 23 23-0036	LF	1"	0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	50.46 8.49	14.13
40 05 23 23-0037			Type 304 Tube Fittings <small>(40 05 23 23-0011)</small>		
40 05 23 23-0038			90 Degree Elbows <small>(40 05 23 23-0037)</small>		
40 05 23 23-0039	EA	1/4"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	63.54 9.50	15.90
40 05 23 23-0040	EA	3/8"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	74.83 10.39	17.37
40 05 23 23-0041	EA	1/2"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	111.32 11.78	19.58
40 05 23 23-0042	EA	5/8"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	119.12 13.18	21.93
40 05 23 23-0043	EA	3/4"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	133.07 14.25	23.71
40 05 23 23-0044	EA	7/8"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	180.42 15.77	26.35
40 05 23 23-0045	EA	1"	Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	229.29 18.79	31.36
40 05 23 23-0046			Union Tees <small>(40 05 23 23-0037)</small>		
40 05 23 23-0047	EA	1/4"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	100.50 14.25	23.71
40 05 23 23-0048	EA	3/8"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	121.34 15.77	26.35
40 05 23 23-0049	EA	1/2"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	164.39 17.67	29.44
40 05 23 23-0050	EA	5/8"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	177.26 20.07	33.42
40 05 23 23-0051	EA	3/4"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	224.95 21.54	35.91
40 05 23 23-0052	EA	7/8"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	353.62 23.87	39.75
40 05 23 23-0053	EA	1"	Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	423.77 28.49	47.55
40 05 23 23-0054			Unions <small>(40 05 23 23-0037)</small>		
40 05 23 23-0055	EA	1/4"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	96.28 14.25	23.71
40 05 23 23-0056	EA	3/8"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	123.72 15.77	26.35
40 05 23 23-0057	EA	1/2"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	165.95 17.67	29.44
40 05 23 23-0058	EA	5/8"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	201.75 20.07	33.42
40 05 23 23-0059	EA	3/4"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	239.85 21.54	35.91
40 05 23 23-0060	EA	7/8"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	365.52 23.87	39.75
40 05 23 23-0061	EA	1"	Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	390.06 28.49	47.55
40 05 23 23-0062			Male Connectors <small>(40 05 23 23-0037)</small>		
40 05 23 23-0063	EA	1/4" x 1/4"	Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	48.44 9.50	15.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0064 EA 3/8" x 3/8", Type 304, Stainless Steel, Male Connection	59.98	17.37
For Work In Restricted Working Space, Add	10.39	
40 05 23 23-0065 EA 1/2" x 1/2", Type 304, Stainless Steel, Male Connection	77.17	19.58
For Work In Restricted Working Space, Add	11.78	
40 05 23 23-0066 EA 5/8" x 5/8" Male Connection, Stainless Steel Type 304	86.93	21.93
For Work In Restricted Working Space, Add	13.18	
40 05 23 23-0067 EA 3/4" x 3/4", Type 304, Stainless Steel, Male Connection	104.46	23.71
For Work In Restricted Working Space, Add	14.25	
40 05 23 23-0068 EA 7/8" x 7/8", Type 304, Stainless Steel, Male Connection	155.33	26.35
For Work In Restricted Working Space, Add	15.77	
40 05 23 23-0069 EA 1" x 1", Type 304, Stainless Steel, Male Connection	163.47	31.36
For Work In Restricted Working Space, Add	18.79	
 40 05 23 23-0070 Type 304 Valves (40 05 23 23-0011)		
40 05 23 23-0071 Gate Valves (40 05 23 23-0070)		
40 05 23 23-0072 EA 1/4" Gate Valve, Stainless Steel Type 304	183.88	23.71
For Work In Restricted Working Space, Add	12.86	
40 05 23 23-0073 EA 3/8" Gate Valve, Stainless Steel Type 304	299.41	27.82
For Work In Restricted Working Space, Add	13.54	
40 05 23 23-0074 EA 1/2" Gate Valve, Stainless Steel Type 304	316.93	31.36
For Work In Restricted Working Space, Add	18.79	
40 05 23 23-0075 EA 3/4" Gate Valve, Stainless Steel Type 304	352.25	35.91
For Work In Restricted Working Space, Add	21.54	
40 05 23 23-0076 EA 1" Gate Valve, Stainless Steel Type 304	334.54	47.55
For Work In Restricted Working Space, Add	28.49	
 40 05 23 23-0077 Globe Valves (40 05 23 23-0070)		
40 05 23 23-0078 EA 1/4" Globe Valve, Stainless Steel Type 304	186.19	23.71
For Work In Restricted Working Space, Add	12.86	
40 05 23 23-0079 EA 3/8" Globe Valve, Stainless Steel Type 304	129.48	27.82
For Work In Restricted Working Space, Add	13.54	
40 05 23 23-0080 EA 1/2" Globe Valve, Stainless Steel Type 304	225.53	31.36
For Work In Restricted Working Space, Add	18.79	
40 05 23 23-0081 EA 3/4" Globe Valve, Stainless Steel Type 304	251.87	35.91
For Work In Restricted Working Space, Add	21.54	
40 05 23 23-0082 EA 1" Globe Valve, Stainless Steel Type 304	363.63	47.55
For Work In Restricted Working Space, Add	28.49	
 40 05 23 23-0083 Check Valves (40 05 23 23-0070)		
40 05 23 23-0084 EA 1/4" Check Valve, Stainless Steel Type 304	254.09	23.71
For Work In Restricted Working Space, Add	12.86	
40 05 23 23-0085 EA 3/8" Check Valve, Stainless Steel Type 304	256.35	27.82
For Work In Restricted Working Space, Add	13.54	
40 05 23 23-0086 EA 1/2" Check Valve, Stainless Steel Type 304	180.71	31.36
For Work In Restricted Working Space, Add	18.79	
40 05 23 23-0087 EA 3/4" Check Valve, Stainless Steel Type 304	191.60	35.91
For Work In Restricted Working Space, Add	21.54	
40 05 23 23-0088 EA 1" Check Valve, Stainless Steel Type 304	218.18	47.55
For Work In Restricted Working Space, Add	28.49	
 40 05 23 23-0089 Plug Valves (40 05 23 23-0070)		
40 05 23 23-0090 EA 1/2" Plug Valve, Stainless Steel Type 304	391.61	31.36
For Work In Restricted Working Space, Add	18.79	
40 05 23 23-0091 EA 3/4" Plug Valve, Stainless Steel Type 304	430.02	35.91
For Work In Restricted Working Space, Add	21.54	
40 05 23 23-0092 EA 1" Plug Valve, Stainless Steel Type 304	492.17	47.55
For Work In Restricted Working Space, Add	28.49	
40 05 23 23-0093 EA 1-1/2" Plug Valve, Stainless Steel Type 304	674.14	53.73
For Work In Restricted Working Space, Add	32.24	
40 05 23 23-0094 EA 2" Plug Valve, Stainless Steel Type 304	880.67	73.60
For Work In Restricted Working Space, Add	44.16	
 40 05 23 23-0095 Type 316 Tubing (40 05 23 23-0011)		
40 05 23 23-0096 0.035" Wall (40 05 23 23-0095)		
40 05 23 23-0097 LF 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall	10.81	3.97
For Work In Restricted Working Space, Add	2.37	
40 05 23 23-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall	13.99	4.71
For Work In Restricted Working Space, Add	2.84	
40 05 23 23-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall	15.60	5.59
For Work In Restricted Working Space, Add	3.32	
40 05 23 23-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall	25.99	6.33
For Work In Restricted Working Space, Add	3.79	
40 05 23 23-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall	29.49	7.07
For Work In Restricted Working Space, Add	4.27	
40 05 23 23-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall	37.31	7.95
For Work In Restricted Working Space, Add	4.75	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0103 LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	39.34 5.70	9.56
40 05 23 23-0104 0.049" Wall <small>(40 05 23 23-0095)</small>		
40 05 23 23-0105 LF 1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	18.59 2.84	4.71
40 05 23 23-0106 LF 3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	20.67 3.32	5.59
40 05 23 23-0107 LF 1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	24.32 3.79	6.33
40 05 23 23-0108 LF 5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	31.70 4.75	7.95
40 05 23 23-0109 LF 3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	36.66 5.70	9.56
40 05 23 23-0110 LF 7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	46.60 6.64	11.04
40 05 23 23-0111 LF 1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	47.77 7.55	12.51
40 05 23 23-0112 0.065" Wall <small>(40 05 23 23-0095)</small>		
40 05 23 23-0113 LF 1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	21.75 3.32	5.59
40 05 23 23-0114 LF 3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	24.26 3.79	6.33
40 05 23 23-0115 LF 1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	30.45 4.75	7.95
40 05 23 23-0116 LF 5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	36.30 5.70	9.56
40 05 23 23-0117 LF 3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	43.91 6.64	11.04
40 05 23 23-0118 LF 7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	48.42 7.55	12.51
40 05 23 23-0119 LF 1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	56.35 8.49	14.13
40 05 23 23-0120 Type 316 Tube Fittings <small>(40 05 23 23-0011)</small>		
40 05 23 23-0121 90 Degree Elbows <small>(40 05 23 23-0120)</small>		
40 05 23 23-0122 EA 1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	86.55 9.50	15.90
40 05 23 23-0123 EA 3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	103.85 10.39	17.37
40 05 23 23-0124 EA 1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	163.34 11.78	19.58
40 05 23 23-0125 EA 5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	173.40 13.18	21.93
40 05 23 23-0126 EA 3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	194.85 14.25	23.71
40 05 23 23-0127 EA 7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	272.72 15.77	26.35
40 05 23 23-0128 EA 1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	349.61 18.79	31.36
40 05 23 23-0129 Union Tees <small>(40 05 23 23-0120)</small>		
40 05 23 23-0130 EA 1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	138.77 14.25	23.71
40 05 23 23-0131 EA 3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	171.00 15.77	26.35
40 05 23 23-0132 EA 1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	240.56 17.67	29.44
40 05 23 23-0133 EA 5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	256.93 20.07	33.42
40 05 23 23-0134 EA 3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	335.51 21.54	35.91
40 05 23 23-0135 EA 7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	551.48 23.87	39.75
40 05 23 23-0136 EA 1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	661.15 28.49	47.55
40 05 23 23-0137 Unions <small>(40 05 23 23-0120)</small>		
40 05 23 23-0138 EA 1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	90.45 14.25	23.71
40 05 23 23-0139 EA 3/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	115.21 15.77	26.35
40 05 23 23-0140 EA 1/2" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	153.15 17.67	29.44
40 05 23 23-0141 EA 5/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	185.63 20.07	33.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0142 EA 3/4" Union, Stainless Steel Type 316.....	219.77	35.91
<i>For Work In Restricted Working Space, Add</i>	21.54	
40 05 23 23-0143 EA 7/8" Union, Stainless Steel Type 316.....	331.34	39.75
<i>For Work In Restricted Working Space, Add</i>	23.87	
40 05 23 23-0144 EA 1" Union, Stainless Steel Type 316.....	354.79	47.55
<i>For Work In Restricted Working Space, Add</i>	28.49	
40 05 23 23-0145 Male Connectors <small>(40 05 23 23-0120)</small>		
40 05 23 23-0146 EA 1/4" x 1/4" Male Connector, Stainless Steel Type 316.....	60.30	15.90
<i>For Work In Restricted Working Space, Add</i>	9.50	
40 05 23 23-0147 EA 3/8" x 3/8" Male Connector, Stainless Steel Type 316.....	77.89	17.37
<i>For Work In Restricted Working Space, Add</i>	10.39	
40 05 23 23-0148 EA 1/2" x 1/2" Male Connector, Stainless Steel Type 316.....	103.98	19.58
<i>For Work In Restricted Working Space, Add</i>	11.78	
40 05 23 23-0149 EA 5/8" x 5/8" Male Connector, Stainless Steel Type 316.....	117.32	21.93
<i>For Work In Restricted Working Space, Add</i>	13.18	
40 05 23 23-0150 EA 3/4" x 3/4" Male Connector, Stainless Steel Type 316.....	144.74	23.71
<i>For Work In Restricted Working Space, Add</i>	14.25	
40 05 23 23-0151 EA 7/8" x 7/8" Male Connector, Stainless Steel Type 316.....	227.97	26.35
<i>For Work In Restricted Working Space, Add</i>	15.77	
40 05 23 23-0152 EA 1" x 1" Male Connector, Stainless Steel Type 316.....	234.76	31.36
<i>For Work In Restricted Working Space, Add</i>	18.79	
40 05 23 23-0153 Type 316 Valves <small>(40 05 23 23-0011)</small>		
40 05 23 23-0154 Gate Valves <small>(40 05 23 23-0153)</small>		
40 05 23 23-0155 EA 1/4" Gate Valve, Stainless Steel Type 316.....	229.42	23.71
<i>For Work In Restricted Working Space, Add</i>	12.86	
40 05 23 23-0156 EA 3/8" Gate Valve, Stainless Steel Type 316.....	381.51	27.82
<i>For Work In Restricted Working Space, Add</i>	13.54	
40 05 23 23-0157 EA 1/2" Gate Valve, Stainless Steel Type 316.....	399.03	31.36
<i>For Work In Restricted Working Space, Add</i>	18.79	
40 05 23 23-0158 EA 3/4" Gate Valve, Stainless Steel Type 316.....	442.79	35.91
<i>For Work In Restricted Working Space, Add</i>	21.54	
40 05 23 23-0159 EA 1" Gate Valve, Stainless Steel Type 316.....	411.89	47.55
<i>For Work In Restricted Working Space, Add</i>	28.49	
40 05 23 23-0160 EA 1-1/4" Gate Valve, Stainless Steel Type 316.....	554.12	49.31
<i>For Work In Restricted Working Space, Add</i>	29.59	
40 05 23 23-0161 EA 1-1/2" Gate Valve, Stainless Steel Type 316.....	871.46	53.73
<i>For Work In Restricted Working Space, Add</i>	32.24	
40 05 23 23-0162 EA 2" Gate Valve, Stainless Steel Type 316.....	1,043.65	73.60
<i>For Work In Restricted Working Space, Add</i>	44.16	
40 05 23 23-0163 EA 2-1/2" Gate Valve, Stainless Steel Type 316.....	1,642.70	235.68
<i>For Work In Restricted Working Space, Add</i>	141.36	
40 05 23 23-0164 Globe Valves <small>(40 05 23 23-0153)</small>		
40 05 23 23-0165 EA 1/4" Globe Valve, Stainless Steel Type 316.....	232.47	23.71
<i>For Work In Restricted Working Space, Add</i>	12.86	
40 05 23 23-0166 EA 3/8" Globe Valve, Stainless Steel Type 316.....	156.72	27.82
<i>For Work In Restricted Working Space, Add</i>	13.54	
40 05 23 23-0167 EA 1/2" Globe Valve, Stainless Steel Type 316.....	278.13	31.36
<i>For Work In Restricted Working Space, Add</i>	18.79	
40 05 23 23-0168 EA 3/4" Globe Valve, Stainless Steel Type 316.....	310.00	35.91
<i>For Work In Restricted Working Space, Add</i>	21.54	
40 05 23 23-0169 EA 1" Globe Valve, Stainless Steel Type 316.....	450.38	47.55
<i>For Work In Restricted Working Space, Add</i>	28.49	
40 05 23 23-0170 EA 1-1/4" Globe Valve, Stainless Steel Type 316.....	554.86	49.02
<i>For Work In Restricted Working Space, Add</i>	29.37	
40 05 23 23-0171 EA 1-1/2" Globe Valve, Stainless Steel Type 316.....	902.02	53.73
<i>For Work In Restricted Working Space, Add</i>	32.24	
40 05 23 23-0172 EA 2" Globe Valve, Stainless Steel Type 316.....	1,074.21	73.60
<i>For Work In Restricted Working Space, Add</i>	44.16	
40 05 23 23-0173 EA 2-1/2" Globe Valve, Stainless Steel Type 316.....	1,449.15	235.68
<i>For Work In Restricted Working Space, Add</i>	141.36	
40 05 23 23-0174 Check Valves <small>(40 05 23 23-0153)</small>		
40 05 23 23-0175 EA 1/4" Check Valve, Stainless Steel Type 316.....	322.30	23.71
<i>For Work In Restricted Working Space, Add</i>	12.86	
40 05 23 23-0176 EA 3/8" Check Valve, Stainless Steel Type 316.....	324.56	27.82
<i>For Work In Restricted Working Space, Add</i>	13.54	
40 05 23 23-0177 EA 1/2" Check Valve, Stainless Steel Type 316.....	218.84	31.36
<i>For Work In Restricted Working Space, Add</i>	18.79	
40 05 23 23-0178 EA 3/4" Check Valve, Stainless Steel Type 316.....	230.27	35.91
<i>For Work In Restricted Working Space, Add</i>	21.54	
40 05 23 23-0179 EA 1" Check Valve, Stainless Steel Type 316.....	257.96	47.55
<i>For Work In Restricted Working Space, Add</i>	28.49	
40 05 23 23-0180 EA 1-1/4" Check Valve, Stainless Steel Type 316.....	344.95	49.31
<i>For Work In Restricted Working Space, Add</i>	29.59	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	728.85 32.24	53.73
40 05 23	23-0182	EA	2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	890.85 44.16	73.60
40 05 23	23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,829.46 141.36	235.68
40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined <small>(40 05 23 23-0153)</small>					
40 05 23	23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	352.23 18.79	31.36
40 05 23	23-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	410.99 21.54	35.91
40 05 23	23-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	525.39 28.49	47.55
40 05 23	23-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	821.51 32.24	53.73
40 05 23	23-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	1,146.90 44.16	73.60
40 05 23 23-0190 Diaphragm Valves, Teflon Lined <small>(40 05 23 23-0153)</small>					
40 05 23	23-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	459.34 18.79	31.36
40 05 23	23-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	528.02 21.54	35.91
40 05 23	23-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	642.42 28.49	47.55
40 05 23	23-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	986.14 32.24	53.73
40 05 23	23-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,343.26 44.16	73.60
40 05 23 23-0196 Strainers <small>(40 05 23 23-0153)</small>					
40 05 23	23-0197	EA	1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	460.37 18.79	31.36
40 05 23	23-0198	EA	3/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	549.95 21.64	36.07
40 05 23	23-0199	EA	1" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	720.03 28.71	47.84
40 05 23	23-0200	EA	1-1/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	886.89 29.59	49.31
40 05 23	23-0201	EA	1-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,107.41 32.24	53.73
40 05 23	23-0202	EA	2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,594.27 44.17	73.60
40 05 23	23-0203	EA	2-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,188.65 58.74	97.89
40 05 23	23-0204	EA	3" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,190.57 88.33	147.21
40 05 23	23-0205	EA	4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,117.39 141.31	235.53
40 05 23 23-0206 Plug Valves <small>(40 05 23 23-0153)</small>					
40 05 23	23-0207	EA	1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	489.12 18.79	31.36
40 05 23	23-0208	EA	3/4" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	536.20 21.54	35.91
40 05 23	23-0209	EA	1" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	609.91 28.49	47.55
40 05 23	23-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	842.12 32.24	53.73
40 05 23	23-0211	EA	2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,098.09 44.16	73.60
40 05 23 23-0212 Cut And Prepare Existing Pipe In-Place <small>(40 05 23 23-0011)</small>					
Note: For use when connecting pipe to an existing in-place system.					
40 05 23	23-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe.....	29.43	
40 05 23	23-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe.....	31.79	
40 05 23	23-0215	EA	Cut And Prepare 1" Stainless Steel Pipe.....	35.76	
40 05 23	23-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe.....	37.52	
40 05 23	23-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe.....	39.73	
40 05 23	23-0218	EA	Cut And Prepare 2" Stainless Steel Pipe.....	42.67	
40 05 23	23-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe.....	45.63	
40 05 23	23-0220	EA	Cut And Prepare 3" Stainless Steel Pipe.....	50.03	
40 05 23	23-0221	EA	Cut And Prepare 4" Stainless Steel Pipe.....	54.45	
40 05 23	23-0222	EA	Cut And Prepare 6" Stainless Steel Pipe.....	58.86	
40 05 23	23-0223	EA	Cut And Prepare 8" Stainless Steel Pipe.....	63.28	
40 05 23	23-0224	EA	Cut And Prepare 10" Stainless Steel Pipe.....	69.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0225 EA Cut And Prepare 12" Stainless Steel Pipe	75.05	
40 05 23 23-0226 EA Cut And Prepare 14" Stainless Steel Pipe	80.94	
40 05 23 23-0227 EA Cut And Prepare 16" Stainless Steel Pipe	86.83	
40 05 23 23-0228 EA Cut And Prepare 18" Stainless Steel Pipe	91.24	
40 05 23 23-0229 EA Cut And Prepare 20" Stainless Steel Pipe	95.65	
40 05 23 23-0230 EA Cut And Prepare 24" Stainless Steel Pipe	101.54	
40 05 23 23-0231 Stainless Steel Pipe And Fittings <small>(40 05 23 23)</small>		
40 05 23 23-0232 Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings <small>(40 05 23 23-0231)</small>		
40 05 23 23-0233 Type 304, Schedule 40 Stainless Steel Threaded Pipe <small>(40 05 23 23-0232)</small>		
40 05 23 23-0234 LF 1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	21.63	6.33
<i>For Work In Restricted Working Space, Add</i>	3.79	
40 05 23 23-0235 LF 3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	26.64	7.95
<i>For Work In Restricted Working Space, Add</i>	4.75	
40 05 23 23-0236 LF 1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	32.74	9.56
<i>For Work In Restricted Working Space, Add</i>	5.70	
40 05 23 23-0237 LF 1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	39.31	11.04
<i>For Work In Restricted Working Space, Add</i>	6.64	
40 05 23 23-0238 LF 1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	45.47	12.51
<i>For Work In Restricted Working Space, Add</i>	7.55	
40 05 23 23-0239 LF 2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	58.08	15.90
<i>For Work In Restricted Working Space, Add</i>	9.50	
40 05 23 23-0240 LF 2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	78.53	18.85
<i>For Work In Restricted Working Space, Add</i>	11.33	
40 05 23 23-0241 LF 3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	98.71	23.71
<i>For Work In Restricted Working Space, Add</i>	14.25	
40 05 23 23-0242 LF 4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	133.55	31.36
<i>For Work In Restricted Working Space, Add</i>	18.79	
40 05 23 23-0243 150#, Type 304 Stainless Steel Threaded 90 Degree Elbows <small>(40 05 23 23-0232)</small>		
40 05 23 23-0244 EA 1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	50.67	23.71
<i>For Work In Restricted Working Space, Add</i>	14.25	
40 05 23 23-0245 EA 3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	67.19	31.36
<i>For Work In Restricted Working Space, Add</i>	18.79	
40 05 23 23-0246 EA 1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	86.20	39.75
<i>For Work In Restricted Working Space, Add</i>	23.87	
40 05 23 23-0247 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	120.35	54.47
<i>For Work In Restricted Working Space, Add</i>	32.71	
40 05 23 23-0248 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	143.07	64.03
<i>For Work In Restricted Working Space, Add</i>	38.40	
40 05 23 23-0249 EA 2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	174.07	77.43
<i>For Work In Restricted Working Space, Add</i>	46.49	
40 05 23 23-0250 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	288.89	122.62
<i>For Work In Restricted Working Space, Add</i>	73.61	
40 05 23 23-0251 EA 3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	372.04	158.25
<i>For Work In Restricted Working Space, Add</i>	94.97	
40 05 23 23-0252 EA 4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	500.81	196.23
<i>For Work In Restricted Working Space, Add</i>	117.77	
40 05 23 23-0253 150#, Type 304 Stainless Steel Threaded 45 Degree Elbows <small>(40 05 23 23-0232)</small>		
40 05 23 23-0254 EA 1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	51.40	23.71
<i>For Work In Restricted Working Space, Add</i>	14.25	
40 05 23 23-0255 EA 3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	68.37	31.36
<i>For Work In Restricted Working Space, Add</i>	18.79	
40 05 23 23-0256 EA 1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	86.56	39.75
<i>For Work In Restricted Working Space, Add</i>	23.87	
40 05 23 23-0257 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	120.21	54.47
<i>For Work In Restricted Working Space, Add</i>	32.71	
40 05 23 23-0258 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	141.32	64.03
<i>For Work In Restricted Working Space, Add</i>	38.40	
40 05 23 23-0259 EA 2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	173.66	77.43
<i>For Work In Restricted Working Space, Add</i>	46.49	
40 05 23 23-0260 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	296.82	122.62
<i>For Work In Restricted Working Space, Add</i>	73.61	
40 05 23 23-0261 EA 3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	387.51	158.25
<i>For Work In Restricted Working Space, Add</i>	94.97	
40 05 23 23-0262 EA 4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	518.83	196.23
<i>For Work In Restricted Working Space, Add</i>	117.77	
40 05 23 23-0263 150#, Type 304 Stainless Steel Threaded Tees <small>(40 05 23 23-0232)</small>		
40 05 23 23-0264 EA 1/2", 150#, Type 304 Stainless Steel Threaded Tee	76.13	35.91
<i>For Work In Restricted Working Space, Add</i>	21.54	
40 05 23 23-0265 EA 3/4", 150#, Type 304 Stainless Steel Threaded Tee	101.82	47.55
<i>For Work In Restricted Working Space, Add</i>	28.49	
40 05 23 23-0266 EA 1", 150#, Type 304 Stainless Steel Threaded Tee	126.48	58.89
<i>For Work In Restricted Working Space, Add</i>	35.33	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0267 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	180.91 49.07	81.85
40 05 23 23-0268 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	205.58 55.20	92.00
40 05 23 23-0269 EA 2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	273.05 73.61	122.62
40 05 23 23-0270 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	414.12 106.42	177.38
40 05 23 23-0271 EA 3", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	560.47 142.46	237.44
40 05 23 23-0272 EA 4", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	743.43 176.65	294.42
40 05 23 23-0273 150#, Type 304 Stainless Steel Threaded Reducers (40 05 23 23-0232)		
40 05 23 23-0274 EA 3/4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	66.64 18.79	31.36
40 05 23 23-0275 EA 1", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	85.03 23.87	39.75
40 05 23 23-0276 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	117.03 32.71	54.47
40 05 23 23-0277 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	139.51 38.40	64.03
40 05 23 23-0278 EA 2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	174.15 46.49	77.43
40 05 23 23-0279 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	286.55 73.61	122.62
40 05 23 23-0280 EA 3", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	375.24 94.97	158.25
40 05 23 23-0281 EA 4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	489.74 117.77	196.23
40 05 23 23-0282 150#, Type 304 Stainless Steel Threaded Caps (40 05 23 23-0232)		
40 05 23 23-0283 EA 1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	25.87 7.13	11.93
40 05 23 23-0284 EA 3/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	34.31 9.50	15.90
40 05 23 23-0285 EA 1", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	43.23 11.78	19.58
40 05 23 23-0286 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	62.75 16.67	27.82
40 05 23 23-0287 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	72.08 18.79	31.36
40 05 23 23-0288 EA 2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	91.60 23.87	39.75
40 05 23 23-0289 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	139.47 35.33	58.89
40 05 23 23-0290 EA 3", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	184.96 46.49	77.43
40 05 23 23-0291 EA 4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	247.06 58.88	98.19
40 05 23 23-0292 150#, Type 304 Stainless Steel Threaded Unions (40 05 23 23-0232)		
40 05 23 23-0293 EA 1/2", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	80.74 21.54	35.91
40 05 23 23-0294 EA 3/4", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	106.28 28.49	47.55
40 05 23 23-0295 EA 1", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	134.84 35.33	58.89
40 05 23 23-0296 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	193.20 49.07	81.85
40 05 23 23-0297 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	217.50 55.20	92.00
40 05 23 23-0298 EA 2", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	285.47 73.61	122.62
40 05 23 23-0299 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	476.67 110.41	184.01
40 05 23 23-0300 EA 3", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	611.72 142.47	237.44
40 05 23 23-0301 EA 4", 150#, Type 304 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	614.70 117.78	196.30
40 05 23 23-0302 150#, Type 304 Stainless Steel Threaded Couplings (40 05 23 23-0232)		
40 05 23 23-0303 EA 1/2", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	50.36 14.25	23.71
40 05 23 23-0304 EA 3/4", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	66.78 18.79	31.36
40 05 23 23-0305 EA 1", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	85.87 23.87	39.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0306 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	119.05 32.71	54.47
40 05 23 23-0307 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	139.89 38.40	64.03
40 05 23 23-0308 EA 2", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	171.71 46.49	77.43
40 05 23 23-0309 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	282.12 73.61	122.62
40 05 23 23-0310 EA 3", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	364.11 94.97	158.25
40 05 23 23-0311 EA 4", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	466.44 117.77	196.23
40 05 23 23-0312 Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings		
40 05 23 23-0313 Type 316, Schedule 40 Stainless Steel Threaded Pipe <small>(40 05 23 23-0312)</small>		
40 05 23 23-0314 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	26.39 3.79	6.33
40 05 23 23-0315 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	31.34 4.75	7.95
40 05 23 23-0316 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	39.48 5.70	9.56
40 05 23 23-0317 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	48.13 6.64	11.04
40 05 23 23-0318 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	55.91 7.55	12.51
40 05 23 23-0319 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	72.06 9.50	15.90
40 05 23 23-0320 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	98.07 11.33	18.85
40 05 23 23-0321 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	127.86 14.25	23.71
40 05 23 23-0322 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	171.49 18.79	31.36
40 05 23 23-0323 150#, Type 316 Stainless Steel Threaded 90 Degree Elbows <small>(40 05 23 23-0312)</small>		
40 05 23 23-0324 EA 1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	51.63 14.25	23.71
40 05 23 23-0325 EA 3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	68.61 18.79	31.36
40 05 23 23-0326 EA 1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	87.07 23.87	39.75
40 05 23 23-0327 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	121.92 32.71	54.47
40 05 23 23-0328 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	145.17 38.40	64.03
40 05 23 23-0329 EA 2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	176.66 46.49	77.43
40 05 23 23-0330 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	293.03 73.61	122.62
40 05 23 23-0331 EA 3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	382.17 94.97	158.25
40 05 23 23-0332 EA 4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	513.12 117.77	196.23
40 05 23 23-0333 150#, Type 316 Stainless Steel Threaded 45 Degree Elbows <small>(40 05 23 23-0312)</small>		
40 05 23 23-0334 EA 1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	52.40 14.25	23.71
40 05 23 23-0335 EA 3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	69.10 18.79	31.36
40 05 23 23-0336 EA 1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	87.64 23.87	39.75
40 05 23 23-0337 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	121.76 32.71	54.47
40 05 23 23-0338 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	143.14 38.40	64.03
40 05 23 23-0339 EA 2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	176.09 46.49	77.43
40 05 23 23-0340 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	300.72 73.61	122.62
40 05 23 23-0341 EA 3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	396.48 94.97	158.25
40 05 23 23-0342 EA 4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	543.02 117.77	196.23
40 05 23 23-0343 150#, Type 316 Stainless Steel Threaded Tees <small>(40 05 23 23-0312)</small>		
40 05 23 23-0344 EA 1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	77.15 21.54	35.91

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0345 EA 3/4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	102.86 28.49	47.55
40 05 23 23-0346 EA 1", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	127.65 35.33	58.89
40 05 23 23-0347 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	183.27 49.07	81.85
40 05 23 23-0348 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	207.92 55.20	92.00
40 05 23 23-0349 EA 2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	276.13 73.61	122.62
40 05 23 23-0350 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	426.70 106.42	177.38
40 05 23 23-0351 EA 3", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	577.61 142.46	237.44
40 05 23 23-0352 EA 4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	756.21 176.65	294.42
40 05 23 23-0353 150#, Type 316 Stainless Steel Threaded Reducers (40 05 23 23-0312)		
40 05 23 23-0354 EA 3/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	67.51 18.79	31.36
40 05 23 23-0355 EA 1", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	87.62 23.87	39.75
40 05 23 23-0356 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	117.52 32.71	54.47
40 05 23 23-0357 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	142.06 38.40	64.03
40 05 23 23-0358 EA 2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	178.62 46.49	77.43
40 05 23 23-0359 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	296.70 73.61	122.62
40 05 23 23-0360 EA 3", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	386.45 94.97	158.25
40 05 23 23-0361 EA 4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	508.43 117.77	196.23
40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps (40 05 23 23-0312)		
40 05 23 23-0363 EA 1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	26.44 7.13	11.93
40 05 23 23-0364 EA 3/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	34.74 9.50	15.90
40 05 23 23-0365 EA 1", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	43.98 11.78	19.58
40 05 23 23-0366 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	64.85 16.67	27.82
40 05 23 23-0367 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	74.57 18.79	31.36
40 05 23 23-0368 EA 2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	94.84 23.87	39.75
40 05 23 23-0369 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	144.83 35.33	58.89
40 05 23 23-0370 EA 3", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	190.40 46.49	77.43
40 05 23 23-0371 EA 4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	257.86 58.88	98.19
40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions (40 05 23 23-0312)		
40 05 23 23-0373 EA 1/2", 150#, Type 316 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	81.96 21.54	35.91
40 05 23 23-0374 EA 3/4", 150#, Type 316 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	110.91 28.49	47.55
40 05 23 23-0375 EA 1", 150#, Type 316 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	137.19 35.33	58.89
40 05 23 23-0376 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	197.18 49.07	81.85
40 05 23 23-0377 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	222.15 55.20	92.00
40 05 23 23-0378 EA 2", 150#, Type 316 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	290.85 73.61	122.62
40 05 23 23-0379 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	484.93 110.41	184.01
40 05 23 23-0380 EA 3", 150#, Type 316 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	637.44 142.47	237.44
40 05 23 23-0381 EA 4", 150#, Type 316 Stainless Steel Threaded Union..... <i>For Work In Restricted Working Space, Add</i>	669.53 117.78	196.30
40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings (40 05 23 23-0312)		
40 05 23 23-0383 EA 1/2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	52.30 14.25	23.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0384 EA 3/4", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	67.68 18.79	31.36
40 05 23 23-0385 EA 1", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	86.73 23.87	39.75
40 05 23 23-0386 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	120.41 32.71	54.47
40 05 23 23-0387 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	141.53 38.40	64.03
40 05 23 23-0388 EA 2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	173.97 46.49	77.43
40 05 23 23-0389 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	290.03 73.61	122.62
40 05 23 23-0390 EA 3", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	374.30 94.97	158.25
40 05 23 23-0391 EA 4", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	481.72 117.77	196.23
40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings <small>(40 05 23 23-0231)</small>		
40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe <small>(40 05 23 23-0392)</small>		
40 05 23 23-0394 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	23.99 3.70	6.17
40 05 23 23-0395 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	28.56 4.52	7.54
40 05 23 23-0396 LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	37.77 5.31	8.91
40 05 23 23-0397 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	46.13 6.63	11.10
40 05 23 23-0398 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	51.32 7.48	12.48
40 05 23 23-0399 LF 2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	63.47 9.26	15.49
40 05 23 23-0400 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	75.84 10.58	17.69
40 05 23 23-0401 LF 3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	89.44 11.92	19.87
40 05 23 23-0402 LF 4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	112.23 14.11	23.58
40 05 23 23-0403 LF 6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	163.54 18.53	30.98
40 05 23 23-0404 LF 8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	263.50 32.29	50.25
40 05 23 23-0405 LF 10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	337.88 35.52	55.26
40 05 23 23-0406 LF 12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	405.11 39.47	61.44
40 05 23 23-0407 LF 14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	499.38 44.40	69.07
40 05 23 23-0408 LF 16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	549.41 50.74	78.94
40 05 23 23-0409 LF 18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	615.03 59.20	92.09
40 05 23 23-0410 LF 20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	856.49 71.04	110.51
40 05 23 23-0411 LF 24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	1,117.86 88.80	138.13
40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow <small>(40 05 23 23-0392)</small>		
40 05 23 23-0413 EA 1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	161.47 46.88	70.32
40 05 23 23-0414 EA 3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	171.09 49.76	74.64
40 05 23 23-0415 EA 1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	188.42 54.68	82.03
40 05 23 23-0416 EA 1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	205.59 59.60	89.41
40 05 23 23-0417 EA 1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	227.07 65.82	98.73
40 05 23 23-0418 EA 2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	253.59 73.22	109.84
40 05 23 23-0419 EA 2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	328.64 93.71	140.57
40 05 23 23-0420 EA 3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	385.45 109.84	164.75
40 05 23 23-0421 EA 4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	469.82 131.47	197.20
40 05 23 23-0422 EA 6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	632.13 164.23	246.34
40 05 23 23-0423 EA 8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,001.14 253.72	380.58

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0424 EA 10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	1,461.02	507.43
<i>For Work In Restricted Working Space, Add</i>	338.29	
40 05 23 23-0425 EA 12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	2,205.10	761.15
<i>For Work In Restricted Working Space, Add</i>	507.44	
40 05 23 23-0426 EA 14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	2,603.79	888.01
<i>For Work In Restricted Working Space, Add</i>	592.01	
40 05 23 23-0427 EA 16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	3,049.35	1,012.94
<i>For Work In Restricted Working Space, Add</i>	675.30	
40 05 23 23-0428 EA 18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	3,850.44	1,268.60
<i>For Work In Restricted Working Space, Add</i>	845.73	
40 05 23 23-0429 EA 20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	5,370.41	1,776.03
<i>For Work In Restricted Working Space, Add</i>	1,184.02	
40 05 23 23-0430 EA 24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow.....	7,705.75	2,537.17
<i>For Work In Restricted Working Space, Add</i>	1,691.45	
40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow (40 05 23 23-0392)		
40 05 23 23-0432 EA 1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	163.00	70.32
<i>For Work In Restricted Working Space, Add</i>	46.88	
40 05 23 23-0433 EA 3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	172.62	74.64
<i>For Work In Restricted Working Space, Add</i>	49.76	
40 05 23 23-0434 EA 1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	190.26	82.03
<i>For Work In Restricted Working Space, Add</i>	54.68	
40 05 23 23-0435 EA 1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	208.04	89.41
<i>For Work In Restricted Working Space, Add</i>	59.60	
40 05 23 23-0436 EA 1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	227.38	98.73
<i>For Work In Restricted Working Space, Add</i>	65.82	
40 05 23 23-0437 EA 2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	253.59	109.84
<i>For Work In Restricted Working Space, Add</i>	73.22	
40 05 23 23-0438 EA 2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	327.11	140.57
<i>For Work In Restricted Working Space, Add</i>	93.71	
40 05 23 23-0439 EA 3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	382.69	164.75
<i>For Work In Restricted Working Space, Add</i>	109.84	
40 05 23 23-0440 EA 4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	464.61	197.20
<i>For Work In Restricted Working Space, Add</i>	131.47	
40 05 23 23-0441 EA 6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	604.82	246.34
<i>For Work In Restricted Working Space, Add</i>	164.23	
40 05 23 23-0442 EA 8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	948.46	380.58
<i>For Work In Restricted Working Space, Add</i>	253.72	
40 05 23 23-0443 EA 10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	1,367.24	507.43
<i>For Work In Restricted Working Space, Add</i>	338.29	
40 05 23 23-0444 EA 12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	2,056.63	761.15
<i>For Work In Restricted Working Space, Add</i>	507.44	
40 05 23 23-0445 EA 14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	2,421.56	888.01
<i>For Work In Restricted Working Space, Add</i>	592.01	
40 05 23 23-0446 EA 16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	2,824.44	1,012.94
<i>For Work In Restricted Working Space, Add</i>	675.30	
40 05 23 23-0447 EA 18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	3,555.09	1,268.60
<i>For Work In Restricted Working Space, Add</i>	845.73	
40 05 23 23-0448 EA 20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	4,971.88	1,776.03
<i>For Work In Restricted Working Space, Add</i>	1,184.02	
40 05 23 23-0449 EA 24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow.....	7,140.40	2,537.17
<i>For Work In Restricted Working Space, Add</i>	1,691.45	
40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee (40 05 23 23-0392)		
40 05 23 23-0451 EA 1/2", Type 304, Schedule 10 Stainless Steel Tee.....	215.50	89.38
<i>For Work In Restricted Working Space, Add</i>	59.59	
40 05 23 23-0452 EA 3/4", Type 304, Schedule 10 Stainless Steel Tee.....	260.69	109.72
<i>For Work In Restricted Working Space, Add</i>	73.14	
40 05 23 23-0453 EA 1", Type 304, Schedule 10 Stainless Steel Tee.....	290.82	123.27
<i>For Work In Restricted Working Space, Add</i>	82.18	
40 05 23 23-0454 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Tee.....	331.12	140.57
<i>For Work In Restricted Working Space, Add</i>	93.71	
40 05 23 23-0455 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Tee.....	352.20	150.90
<i>For Work In Restricted Working Space, Add</i>	100.60	
40 05 23 23-0456 EA 2", Type 304, Schedule 10 Stainless Steel Tee.....	383.84	164.58
<i>For Work In Restricted Working Space, Add</i>	109.72	
40 05 23 23-0457 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Tee.....	489.31	197.20
<i>For Work In Restricted Working Space, Add</i>	131.47	
40 05 23 23-0458 EA 3", Type 304, Schedule 10 Stainless Steel Tee.....	582.33	247.14
<i>For Work In Restricted Working Space, Add</i>	164.76	
40 05 23 23-0459 EA 4", Type 304, Schedule 10 Stainless Steel Tee.....	666.07	277.37
<i>For Work In Restricted Working Space, Add</i>	184.91	
40 05 23 23-0460 EA 6", Type 304, Schedule 10 Stainless Steel Tee.....	954.06	369.81
<i>For Work In Restricted Working Space, Add</i>	246.54	
40 05 23 23-0461 EA 8", Type 304, Schedule 10 Stainless Steel Tee.....	1,439.48	507.43
<i>For Work In Restricted Working Space, Add</i>	338.29	
40 05 23 23-0462 EA 10", Type 304, Schedule 10 Stainless Steel Tee.....	2,205.10	761.15
<i>For Work In Restricted Working Space, Add</i>	507.44	
40 05 23 23-0463 EA 12", Type 304, Schedule 10 Stainless Steel Tee.....	2,827.79	951.44
<i>For Work In Restricted Working Space, Add</i>	634.29	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Stainless Steel Process Pipe and Tubing	40 05 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0464 EA 14", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,471.09 762.24	1,143.37
40 05 23 23-0465 EA 16", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,207.37 929.86	1,394.79
40 05 23 23-0466 EA 18", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,354.04 1,184.02	1,776.03
40 05 23 23-0467 EA 20", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	7,149.30 1,557.92	2,336.89
40 05 23 23-0468 EA 24", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	10,731.34 2,368.04	3,552.05
40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees <small>(40 05 23 23-0392)</small>		
40 05 23 23-0470 EA 3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	196.00 49.78	74.66
40 05 23 23-0471 EA 1", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	233.40 61.00	91.50
40 05 23 23-0472 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	283.37 68.54	102.81
40 05 23 23-0473 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	298.19 78.14	117.20
40 05 23 23-0474 EA 2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	313.93 83.96	125.94
40 05 23 23-0475 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	397.36 91.50	137.24
40 05 23 23-0476 EA 3", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	469.29 109.67	164.51
40 05 23 23-0477 EA 4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	579.66 137.08	205.62
40 05 23 23-0478 EA 6", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	748.54 156.63	234.93
40 05 23 23-0479 EA 8", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,303.90 211.43	317.15
40 05 23 23-0480 EA 10", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,121.76 281.91	422.86
40 05 23 23-0481 EA 12", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,039.97 422.87	634.29
40 05 23 23-0482 EA 14", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,686.18 508.02	762.04
40 05 23 23-0483 EA 16", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,561.37 619.69	929.53
40 05 23 23-0484 EA 18", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,885.73 789.35	1,184.02
40 05 23 23-0485 EA 20", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	8,335.85 1,038.61	1,557.92
40 05 23 23-0486 EA 24", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	13,020.07 1,577.29	2,365.93
40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers <small>(40 05 23 23-0392)</small>		
40 05 23 23-0488 EA 3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	161.33 45.27	67.90
40 05 23 23-0489 EA 1", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	177.32 49.33	73.99
40 05 23 23-0490 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	196.56 54.68	82.03
40 05 23 23-0491 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	210.02 59.60	89.41
40 05 23 23-0492 EA 2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	229.53 65.82	98.73
40 05 23 23-0493 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	304.22 82.25	123.37
40 05 23 23-0494 EA 3", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	344.33 93.63	140.45
40 05 23 23-0495 EA 4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	402.62 109.72	164.58
40 05 23 23-0496 EA 6", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	518.40 139.69	209.52
40 05 23 23-0497 EA 8", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	761.34 202.97	304.46
40 05 23 23-0498 EA 10", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	966.68 253.72	380.58
40 05 23 23-0499 EA 12", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,298.97 338.29	507.43
40 05 23 23-0500 EA 14", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,836.36 444.01	666.01
40 05 23 23-0501 EA 16", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,142.00 505.99	758.99
40 05 23 23-0502 EA 18", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,641.55 634.29	951.44
40 05 23 23-0503 EA 20", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,690.11 845.73	1,268.60
40 05 23 23-0504 EA 24", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,340.93 1,268.59	1,902.89

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0505 EA 3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	190.18 45.27	67.90
40 05 23 23-0506 EA 1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	198.49 49.33	73.99
40 05 23 23-0507 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	211.07 54.68	82.03
40 05 23 23-0508 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	236.41 59.60	89.41
40 05 23 23-0509 EA 2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	248.55 65.82	98.73
40 05 23 23-0510 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	325.09 82.25	123.37
40 05 23 23-0511 EA 3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	364.89 93.63	140.45
40 05 23 23-0512 EA 4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	418.52 109.72	164.58
40 05 23 23-0513 EA 6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	575.78 139.69	209.52
40 05 23 23-0514 EA 8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	884.35 202.97	304.46
40 05 23 23-0515 EA 10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,206.61 253.72	380.58
40 05 23 23-0516 EA 12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,520.66 338.29	507.43
40 05 23 23-0517 EA 14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,347.78 444.01	666.01
40 05 23 23-0518 EA 16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,728.01 505.99	758.99
40 05 23 23-0519 EA 18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,356.75 634.29	951.44
40 05 23 23-0520 EA 20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,836.18 845.73	1,268.60
40 05 23 23-0521 EA 24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	6,859.84 1,268.59	1,902.89
40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0392)		
40 05 23 23-0523 EA 1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	87.64 23.44	35.16
40 05 23 23-0524 EA 3/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	95.82 24.88	37.32
40 05 23 23-0525 EA 1", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	105.26 27.35	41.01
40 05 23 23-0526 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	115.76 29.80	44.70
40 05 23 23-0527 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	124.75 32.91	49.36
40 05 23 23-0528 EA 2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	135.23 36.61	54.91
40 05 23 23-0529 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	175.22 46.86	70.30
40 05 23 23-0530 EA 3", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	199.33 54.92	82.39
40 05 23 23-0531 EA 4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	239.98 65.74	98.60
40 05 23 23-0532 EA 6", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	308.21 82.25	123.37
40 05 23 23-0533 EA 8", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	484.17 126.86	190.29
40 05 23 23-0534 EA 10", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	644.82 169.14	253.72
40 05 23 23-0535 EA 12", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	951.28 253.72	380.57
40 05 23 23-0536 EA 14", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,116.05 296.01	444.01
40 05 23 23-0537 EA 16", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,292.34 337.65	506.47
40 05 23 23-0538 EA 18", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,631.17 422.87	634.29
40 05 23 23-0539 EA 20", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,255.14 592.01	888.01
40 05 23 23-0540 EA 24", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,315.61 845.73	1,268.59
40 05 23 23-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0542 Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 23-0541)		
40 05 23 23-0543 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	26.85 3.70	6.17
40 05 23 23-0544 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	32.61 4.52	7.54
40 05 23 23-0545 LF 1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	39.96 5.31	8.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0546 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	49.94 6.63	10.97
40 05 23 23-0547 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	57.52 7.48	12.33
40 05 23 23-0548 LF 2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	73.69 9.26	15.76
40 05 23 23-0549 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	91.42 10.58	17.82
40 05 23 23-0550 LF 3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	89.16 11.92	19.87
40 05 23 23-0551 LF 4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	146.98 14.11	23.30
40 05 23 23-0552 LF 6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	228.75 18.53	30.84
40 05 23 23-0553 LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	393.92 32.29	49.99
40 05 23 23-0554 LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	500.11 35.52	55.26
40 05 23 23-0555 LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	624.59 39.47	61.17
 40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows <small>(40 05 23 23-0541)</small>		
40 05 23 23-0557 EA 1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	162.69 46.88	70.32
40 05 23 23-0558 EA 3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	172.31 49.76	74.64
40 05 23 23-0559 EA 1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	189.34 54.68	82.03
40 05 23 23-0560 EA 1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	206.26 59.60	89.41
40 05 23 23-0561 EA 1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	227.68 65.82	98.73
40 05 23 23-0562 EA 2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	255.74 73.22	109.84
40 05 23 23-0563 EA 2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	336.62 93.71	140.57
40 05 23 23-0564 EA 3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	397.11 109.84	164.75
40 05 23 23-0565 EA 4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	489.46 131.47	197.20
40 05 23 23-0566 EA 6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	757.62 164.23	246.34
40 05 23 23-0567 EA 8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,172.15 253.72	380.58
40 05 23 23-0568 EA 10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,807.98 338.29	507.43
40 05 23 23-0569 EA 12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,655.11 507.44	761.15
40 05 23 23-0570 EA 14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,149.73 592.01	888.01
40 05 23 23-0571 EA 16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,750.68 675.30	1,012.94
40 05 23 23-0572 EA 18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,824.92 845.73	1,268.60
40 05 23 23-0573 EA 20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,573.19 1,184.02	1,776.03
40 05 23 23-0574 EA 24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	9,421.71 1,691.45	2,537.17
 40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows <small>(40 05 23 23-0541)</small>		
40 05 23 23-0576 EA 1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	164.84 46.88	70.32
40 05 23 23-0577 EA 3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	174.46 49.76	74.64
40 05 23 23-0578 EA 1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	190.87 54.68	82.03
40 05 23 23-0579 EA 1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	207.82 59.60	89.41
40 05 23 23-0580 EA 1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	229.22 65.82	98.73
40 05 23 23-0581 EA 2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	256.07 73.22	109.84
40 05 23 23-0582 EA 2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	336.62 93.71	140.57
40 05 23 23-0583 EA 3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	388.52 109.84	164.75
40 05 23 23-0584 EA 4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	494.06 131.47	197.20
40 05 23 23-0585 EA 6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	652.99 164.23	246.34

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0586 EA 8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,062.45 253.72	380.58
40 05 23 23-0587 EA 10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,533.93 338.29	507.43
40 05 23 23-0588 EA 12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,250.84 507.44	761.15
40 05 23 23-0589 EA 14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,558.52 592.01	888.01
40 05 23 23-0590 EA 16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,046.77 675.30	1,012.94
40 05 23 23-0591 EA 18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,842.90 845.73	1,268.60
40 05 23 23-0592 EA 20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,248.09 1,184.02	1,776.03
40 05 23 23-0593 EA 24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	7,609.40 1,691.45	2,537.17
40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0541)		
40 05 23 23-0595 EA 1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	216.72 59.59	89.38
40 05 23 23-0596 EA 3/4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	261.91 73.14	109.72
40 05 23 23-0597 EA 1", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	292.04 82.18	123.27
40 05 23 23-0598 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	334.25 93.71	140.57
40 05 23 23-0599 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	353.42 100.60	150.90
40 05 23 23-0600 EA 2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	385.38 109.72	164.58
40 05 23 23-0601 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	493.45 131.47	197.20
40 05 23 23-0602 EA 3", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	588.77 164.76	247.14
40 05 23 23-0603 EA 4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	673.13 184.91	277.37
40 05 23 23-0604 EA 6", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,002.84 246.54	369.81
40 05 23 23-0605 EA 8", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,584.29 338.29	507.43
40 05 23 23-0606 EA 10", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,649.50 507.44	761.15
40 05 23 23-0607 EA 12", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,296.37 634.29	951.44
40 05 23 23-0608 EA 14", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,415.29 762.24	1,143.37
40 05 23 23-0609 EA 16", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,585.85 929.86	1,394.79
40 05 23 23-0610 EA 18", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	7,225.68 1,184.02	1,776.03
40 05 23 23-0611 EA 20", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	9,344.68 1,557.92	2,336.89
40 05 23 23-0612 EA 24", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	14,296.92 2,368.04	3,552.05
40 05 23 23-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0541)		
40 05 23 23-0614 EA 3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	199.99 49.78	74.66
40 05 23 23-0615 EA 1", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	237.39 61.00	91.50
40 05 23 23-0616 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	302.56 68.54	102.81
40 05 23 23-0617 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	304.02 78.14	117.20
40 05 23 23-0618 EA 2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	313.93 83.96	125.94
40 05 23 23-0619 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	377.75 91.50	137.24
40 05 23 23-0620 EA 3", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	426.03 109.67	164.51
40 05 23 23-0621 EA 4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	556.95 137.08	205.62
40 05 23 23-0622 EA 6", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	752.22 156.63	234.93
40 05 23 23-0623 EA 8", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,173.67 211.43	317.15
40 05 23 23-0624 EA 10", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,162.51 281.91	422.86
40 05 23 23-0625 EA 12", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,121.50 422.87	634.29
40 05 23 23-0626 EA 14", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,571.80 508.02	762.04



Process Interconnections	40
Common Work Results For Process Interconnections	
Stainless Steel Process Pipe and Tubing	40 05 23

40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0627 EA 16", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,418.12 619.69	929.53
40 05 23 23-0628 EA 18", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,698.92 789.35	1,184.02
40 05 23 23-0629 EA 20", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	8,056.10 1,038.61	1,557.92
40 05 23 23-0630 EA 24", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	12,574.52 1,577.29	2,365.93
40 05 23 23-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0541)		
40 05 23 23-0632 EA 3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	164.40 45.27	67.90
40 05 23 23-0633 EA 1", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	180.39 49.33	73.99
40 05 23 23-0634 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	196.79 54.68	82.03
40 05 23 23-0635 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	213.09 59.60	89.41
40 05 23 23-0636 EA 2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	231.37 65.82	98.73
40 05 23 23-0637 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	304.22 82.25	123.37
40 05 23 23-0638 EA 3", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	333.28 93.63	140.45
40 05 23 23-0639 EA 4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	386.91 109.72	164.58
40 05 23 23-0640 EA 6", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	520.85 139.69	209.52
40 05 23 23-0641 EA 8", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	813.45 202.97	304.46
40 05 23 23-0642 EA 10", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,056.16 253.72	380.58
40 05 23 23-0643 EA 12", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,378.83 338.29	507.43
40 05 23 23-0644 EA 14", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,015.57 444.01	666.01
40 05 23 23-0645 EA 16", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,367.30 505.99	758.99
40 05 23 23-0646 EA 18", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,097.78 634.29	951.44
40 05 23 23-0647 EA 20", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,228.26 845.73	1,268.60
40 05 23 23-0648 EA 24", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,898.24 1,268.59	1,902.89
40 05 23 23-0649 EA 3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	191.42 45.27	67.90
40 05 23 23-0650 EA 1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	204.93 49.33	73.99
40 05 23 23-0651 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	233.16 54.68	82.03
40 05 23 23-0652 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	247.76 59.60	89.41
40 05 23 23-0653 EA 2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	266.04 65.82	98.73
40 05 23 23-0654 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	325.09 82.25	123.37
40 05 23 23-0655 EA 3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	402.93 93.63	140.45
40 05 23 23-0656 EA 4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	444.29 109.72	164.58
40 05 23 23-0657 EA 6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	601.24 139.69	209.52
40 05 23 23-0658 EA 8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	887.01 202.97	304.46
40 05 23 23-0659 EA 10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,204.29 253.72	380.58
40 05 23 23-0660 EA 12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,641.29 338.29	507.43
40 05 23 23-0661 EA 14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,658.89 444.01	666.01
40 05 23 23-0662 EA 16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,016.57 505.99	758.99
40 05 23 23-0663 EA 18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,937.76 634.29	951.44
40 05 23 23-0664 EA 20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,122.92 845.73	1,268.60
40 05 23 23-0665 EA 24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	8,130.76 1,268.59	1,902.89
40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0541)		
40 05 23 23-0667 EA 1/2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	88.56 23.44	35.16

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0668 EA 3/4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	94.90 24.88	37.32
40 05 23 23-0669 EA 1", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	106.19 27.35	41.01
40 05 23 23-0670 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	119.86 29.80	44.70
40 05 23 23-0671 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	128.73 32.97	49.36
40 05 23 23-0672 EA 2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	134.93 36.61	54.91
40 05 23 23-0673 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	173.16 46.86	70.30
40 05 23 23-0674 EA 3", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	200.56 54.92	82.39
40 05 23 23-0675 EA 4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	243.67 65.74	98.60
40 05 23 23-0676 EA 6", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	330.92 82.25	123.37
40 05 23 23-0677 EA 8", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	520.63 126.86	190.29
40 05 23 23-0678 EA 10", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	696.36 169.14	253.72
40 05 23 23-0679 EA 12", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,049.53 253.72	380.57
40 05 23 23-0680 EA 14", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,206.05 296.01	444.01
40 05 23 23-0681 EA 16", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,416.15 337.65	506.47
40 05 23 23-0682 EA 18", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,777.90 422.87	634.29
40 05 23 23-0683 EA 20", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,450.82 592.01	888.01
40 05 23 23-0684 EA 24", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	3,642.77 845.73	1,268.59
40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe (40 05 23 23-0685)		
40 05 23 23-0687 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	27.63 3.70	6.17
40 05 23 23-0688 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	32.77 4.52	7.54
40 05 23 23-0689 LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	44.04 5.31	8.91
40 05 23 23-0690 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	53.63 6.63	11.10
40 05 23 23-0691 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	59.57 7.48	12.48
40 05 23 23-0692 LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	73.66 9.26	15.49
40 05 23 23-0693 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	88.50 10.58	17.69
40 05 23 23-0694 LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	104.96 11.92	19.87
40 05 23 23-0695 LF 4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	132.59 14.11	23.58
40 05 23 23-0696 LF 6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	195.33 18.53	30.98
40 05 23 23-0697 LF 8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	312.18 32.29	50.25
40 05 23 23-0698 LF 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	406.42 35.52	55.26
40 05 23 23-0699 LF 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	490.53 39.47	61.44
40 05 23 23-0700 LF 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	609.11 44.40	69.07
40 05 23 23-0701 LF 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	668.17 50.74	78.94
40 05 23 23-0702 LF 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	745.47 59.20	92.09
40 05 23 23-0703 LF 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	1,050.00 71.04	110.51
40 05 23 23-0704 LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	1,374.52 88.80	138.13
40 05 23 23-0705 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0685)		
40 05 23 23-0706 EA 1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	163.00 46.88	70.32
40 05 23 23-0707 EA 3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	172.62 49.76	74.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0708 EA 1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	190.26 54.68	82.03
40 05 23 23-0709 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	208.27 59.60	89.41
40 05 23 23-0710 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	228.91 65.82	98.73
40 05 23 23-0711 EA 2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	255.74 73.22	109.84
40 05 23 23-0712 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	332.63 93.71	140.57
40 05 23 23-0713 EA 3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	391.28 109.84	164.75
40 05 23 23-0714 EA 4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	478.72 131.47	197.20
40 05 23 23-0715 EA 6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	655.45 164.23	246.34
40 05 23 23-0716 EA 8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,044.56 253.72	380.58
40 05 23 23-0717 EA 10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,561.41 338.29	507.43
40 05 23 23-0718 EA 12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,341.97 507.44	761.15
40 05 23 23-0719 EA 14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,732.59 592.01	888.01
40 05 23 23-0720 EA 16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,253.07 675.30	1,012.94
40 05 23 23-0721 EA 18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,094.73 845.73	1,268.60
40 05 23 23-0722 EA 20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,719.37 1,184.02	1,776.03
40 05 23 23-0723 EA 24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	8,224.28 1,691.45	2,537.17
40 05 23 23-0724 Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0685)		
40 05 23 23-0725 EA 1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	164.84 46.88	70.32
40 05 23 23-0726 EA 3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	174.46 49.76	74.64
40 05 23 23-0727 EA 1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	192.10 54.68	82.03
40 05 23 23-0728 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	210.72 59.60	89.41
40 05 23 23-0729 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	228.91 65.82	98.73
40 05 23 23-0730 EA 2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	255.74 73.22	109.84
40 05 23 23-0731 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	330.79 93.71	140.57
40 05 23 23-0732 EA 3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	388.52 109.84	164.75
40 05 23 23-0733 EA 4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	472.28 131.47	197.20
40 05 23 23-0734 EA 6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	617.40 164.23	246.34
40 05 23 23-0735 EA 8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	976.29 253.72	380.58
40 05 23 23-0736 EA 10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,533.93 338.29	507.43
40 05 23 23-0737 EA 12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,250.84 507.44	761.15
40 05 23 23-0738 EA 14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,647.19 592.01	888.01
40 05 23 23-0739 EA 16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,096.50 675.30	1,012.94
40 05 23 23-0740 EA 18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,910.35 845.73	1,268.60
40 05 23 23-0741 EA 20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,553.71 1,184.02	1,776.03
40 05 23 23-0742 EA 24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	8,003.63 1,691.45	2,537.17
40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees (40 05 23 23-0685)		
40 05 23 23-0744 EA 1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	219.48 59.59	89.38
40 05 23 23-0745 EA 3/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	264.67 73.14	109.72
40 05 23 23-0746 EA 1", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	294.80 82.18	123.27
40 05 23 23-0747 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	338.49 93.71	140.57

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0748 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	358.03 100.60	150.90
40 05 23 23-0749 EA 2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	389.06 109.72	164.58
40 05 23 23-0750 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	472.59 131.47	197.20
40 05 23 23-0751 EA 3", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	592.45 164.76	247.14
40 05 23 23-0752 EA 4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	679.88 184.91	277.37
40 05 23 23-0753 EA 6", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	993.64 246.54	369.81
40 05 23 23-0754 EA 8", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,543.52 338.29	507.43
40 05 23 23-0755 EA 10", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,404.93 507.44	761.15
40 05 23 23-0756 EA 12", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,092.55 634.29	951.44
40 05 23 23-0757 EA 14", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,962.02 762.24	1,143.37
40 05 23 23-0758 EA 16", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,682.80 929.86	1,394.79
40 05 23 23-0759 EA 18", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,952.24 1,184.02	1,776.03
40 05 23 23-0760 EA 20", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	8,021.64 1,557.92	2,336.89
40 05 23 23-0761 EA 24", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	11,496.44 2,368.04	3,552.05
40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0685)		
40 05 23 23-0763 EA 3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	205.51 49.78	74.66
40 05 23 23-0764 EA 1", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	244.75 61.00	91.50
40 05 23 23-0765 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	297.20 68.54	102.81
40 05 23 23-0766 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	307.70 78.14	117.20
40 05 23 23-0767 EA 2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	327.12 83.96	125.94
40 05 23 23-0768 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	437.25 91.50	137.24
40 05 23 23-0769 EA 3", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	433.39 109.67	164.51
40 05 23 23-0770 EA 4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	579.66 137.08	205.62
40 05 23 23-0771 EA 6", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	805.30 156.63	234.93
40 05 23 23-0772 EA 8", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,468.94 211.43	317.15
40 05 23 23-0773 EA 10", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,672.19 281.91	422.86
40 05 23 23-0774 EA 12", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,508.88 422.87	634.29
40 05 23 23-0775 EA 14", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,996.85 508.02	762.04
40 05 23 23-0776 EA 16", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	4,950.45 619.69	929.53
40 05 23 23-0777 EA 18", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	6,393.11 789.35	1,184.02
40 05 23 23-0778 EA 20", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	9,095.65 1,038.61	1,557.92
40 05 23 23-0779 EA 24", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	14,230.20 1,577.29	2,365.93
40 05 23 23-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0685)		
40 05 23 23-0781 EA 3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	164.09 45.27	67.90
40 05 23 23-0782 EA 1", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	180.69 49.33	73.99
40 05 23 23-0783 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	201.47 54.68	82.03
40 05 23 23-0784 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	212.17 59.60	89.41
40 05 23 23-0785 EA 2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	231.37 65.82	98.73
40 05 23 23-0786 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	302.94 82.25	123.37
40 05 23 23-0787 EA 3", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	351.69 93.63	140.45
40 05 23 23-0788 EA 4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	389.10 109.72	164.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0789 EA 6", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	533.43 139.69	209.52
40 05 23 23-0790 EA 8", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	777.07 202.97	304.46
40 05 23 23-0791 EA 10", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,003.48 253.72	380.58
40 05 23 23-0792 EA 12", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,342.39 338.29	507.43
40 05 23 23-0793 EA 14", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,896.15 444.01	666.01
40 05 23 23-0794 EA 16", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,198.62 505.99	758.99
40 05 23 23-0795 EA 18", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,724.78 634.29	951.44
40 05 23 23-0796 EA 20", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,818.71 845.73	1,268.60
40 05 23 23-0797 EA 24", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,568.94 1,268.99	1,902.89
40 05 23 23-0798 EA 3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	187.94 45.27	67.90
40 05 23 23-0799 EA 1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	209.02 49.33	73.99
40 05 23 23-0800 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	235.06 54.68	82.03
40 05 23 23-0801 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	251.45 59.60	89.41
40 05 23 23-0802 EA 2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	255.61 65.82	98.73
40 05 23 23-0803 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	336.44 82.25	123.37
40 05 23 23-0804 EA 3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	386.06 93.63	140.45
40 05 23 23-0805 EA 4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	435.70 109.72	164.58
40 05 23 23-0806 EA 6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	613.52 139.69	209.52
40 05 23 23-0807 EA 8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	950.62 202.97	304.46
40 05 23 23-0808 EA 10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,302.38 253.72	380.58
40 05 23 23-0809 EA 12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,652.54 338.29	507.43
40 05 23 23-0810 EA 14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,484.33 444.01	666.01
40 05 23 23-0811 EA 16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,909.52 505.99	758.99
40 05 23 23-0812 EA 18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,608.02 634.29	951.44
40 05 23 23-0813 EA 20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,231.28 845.73	1,268.60
40 05 23 23-0814 EA 24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	7,246.48 1,268.59	1,902.89
40 05 23 23-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0685)		
40 05 23 23-0816 EA 1/2", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	91.63 23.44	35.16
40 05 23 23-0817 EA 3/4", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	101.03 24.88	37.32
40 05 23 23-0818 EA 1", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	110.79 27.35	41.01
40 05 23 23-0819 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	121.09 29.80	44.70
40 05 23 23-0820 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	131.19 32.91	49.36
40 05 23 23-0821 EA 2", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	138.92 36.61	54.91
40 05 23 23-0822 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	174.05 46.86	70.30
40 05 23 23-0823 EA 3", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	205.78 54.92	82.39
40 05 23 23-0824 EA 4", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	246.43 65.74	98.60
40 05 23 23-0825 EA 6", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	319.56 82.25	123.37
40 05 23 23-0826 EA 8", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	504.38 126.86	190.29
40 05 23 23-0827 EA 10", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	669.36 169.14	253.72
40 05 23 23-0828 EA 12", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	987.18 253.72	380.57
40 05 23 23-0829 EA 14", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,148.43 296.01	444.01

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0830	EA		16", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,319.70 337.65	506.47
40 05 23 23-0831	EA		18", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,662.52 422.87	634.29
40 05 23 23-0832	EA		20", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,305.15 592.01	888.01
40 05 23 23-0833	EA		24", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	3,469.56 845.73	1,268.59
40 05 23 23-0834			Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0835			Type 316, Schedule 40 Stainless Steel Pipe (40 05 23 23-0834)		
40 05 23 23-0836	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	31.71 3.70	6.17
40 05 23 23-0837	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	38.48 4.52	7.54
40 05 23 23-0838	LF		1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	47.40 5.31	8.91
40 05 23 23-0839	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	59.25 6.63	10.97
40 05 23 23-0840	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	68.43 7.48	12.33
40 05 23 23-0841	LF		2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	88.02 9.26	15.76
40 05 23 23-0842	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	110.20 10.58	17.82
40 05 23 23-0843	LF		3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	105.70 11.92	19.87
40 05 23 23-0844	LF		4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	180.42 14.11	23.30
40 05 23 23-0845	LF		6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	284.61 18.53	30.84
40 05 23 23-0846	LF		8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	489.68 32.29	49.99
40 05 23 23-0847	LF		10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	627.79 35.52	55.26
40 05 23 23-0848	LF		12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	789.51 39.47	61.17
40 05 23 23-0849			Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0834)		
40 05 23 23-0850	EA		1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	164.53 46.88	70.32
40 05 23 23-0851	EA		3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	174.15 49.76	74.64
40 05 23 23-0852	EA		1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	191.79 54.68	82.03
40 05 23 23-0853	EA		1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	208.94 59.60	89.41
40 05 23 23-0854	EA		1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	230.45 65.82	98.73
40 05 23 23-0855	EA		2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	259.42 73.22	109.84
40 05 23 23-0856	EA		2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	343.98 93.71	140.57
40 05 23 23-0857	EA		3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	407.24 109.84	164.75
40 05 23 23-0858	EA		4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	513.70 131.47	197.20
40 05 23 23-0859	EA		6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	778.18 164.23	246.34
40 05 23 23-0860	EA		8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,279.50 253.72	380.58
40 05 23 23-0861	EA		10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,075.06 338.29	507.43
40 05 23 23-0862	EA		12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,963.31 507.44	761.15
40 05 23 23-0863	EA		14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,319.06 592.01	888.01
40 05 23 23-0864	EA		16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,018.72 675.30	1,012.94
40 05 23 23-0865	EA		18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,127.34 845.73	1,268.60
40 05 23 23-0866	EA		20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,933.91 1,184.02	1,776.03
40 05 23 23-0867	EA		24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	10,057.57 1,691.45	2,537.17
40 05 23 23-0868			Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0834)		



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Stainless Steel Process Pipe and Tubing	40 05 23

40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0869 EA 1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	167.60 46.88	70.32
40 05 23 23-0870 EA 3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	177.22 49.76	74.64
40 05 23 23-0871 EA 1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	193.63 54.68	82.03
40 05 23 23-0872 EA 1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	209.83 59.60	89.41
40 05 23 23-0873 EA 1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	232.29 65.82	98.73
40 05 23 23-0874 EA 2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	259.42 73.22	109.84
40 05 23 23-0875 EA 2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	343.98 93.71	140.57
40 05 23 23-0876 EA 3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	395.27 109.84	164.75
40 05 23 23-0877 EA 4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	491.00 131.47	197.20
40 05 23 23-0878 EA 6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	684.90 164.23	246.34
40 05 23 23-0879 EA 8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,115.15 253.72	380.58
40 05 23 23-0880 EA 10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,696.31 338.29	507.43
40 05 23 23-0881 EA 12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,456.28 507.44	761.15
40 05 23 23-0882 EA 14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,794.29 592.01	888.01
40 05 23 23-0883 EA 16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,157.79 675.30	1,012.94
40 05 23 23-0884 EA 18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,055.54 845.73	1,268.60
40 05 23 23-0885 EA 20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,520.09 1,184.02	1,776.03
40 05 23 23-0886 EA 24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	8,169.47 1,691.45	2,537.17
40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0834)		
40 05 23 23-0888 EA 1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	221.33 59.59	89.38
40 05 23 23-0889 EA 3/4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	266.52 73.14	109.72
40 05 23 23-0890 EA 1", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	296.65 82.18	123.27
40 05 23 23-0891 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	341.17 93.71	140.57
40 05 23 23-0892 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	358.03 100.60	150.90
40 05 23 23-0893 EA 2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	390.29 109.72	164.58
40 05 23 23-0894 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	483.52 131.47	197.20
40 05 23 23-0895 EA 3", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	598.28 164.76	247.14
40 05 23 23-0896 EA 4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	690.00 184.91	277.37
40 05 23 23-0897 EA 6", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,065.75 246.54	369.81
40 05 23 23-0898 EA 8", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,728.77 338.29	507.43
40 05 23 23-0899 EA 10", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,894.05 507.44	761.15
40 05 23 23-0900 EA 12", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,561.47 634.29	951.44
40 05 23 23-0901 EA 14", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,065.11 762.24	1,143.37
40 05 23 23-0902 EA 16", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	6,272.38 929.86	1,394.79
40 05 23 23-0903 EA 18", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	8,119.11 1,184.02	1,776.03
40 05 23 23-0904 EA 20", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	10,553.23 1,557.92	2,336.89
40 05 23 23-0905 EA 24", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	15,152.77 2,368.04	3,552.05
40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0834)		
40 05 23 23-0907 EA 3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	211.34 49.78	74.66
40 05 23 23-0908 EA 1", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	248.74 61.00	91.50
40 05 23 23-0909 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	321.75 68.54	102.81

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0910 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	317.22 78.14	117.20
40 05 23 23-0911 EA 2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	327.12 83.96	125.94
40 05 23 23-0912 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	439.09 91.50	137.24
40 05 23 23-0913 EA 3", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	446.59 109.67	164.51
40 05 23 23-0914 EA 4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	592.85 137.08	205.62
40 05 23 23-0915 EA 6", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	813.59 156.63	234.93
40 05 23 23-0916 EA 8", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,305.89 211.43	317.15
40 05 23 23-0917 EA 10", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,712.96 281.91	422.86
40 05 23 23-0918 EA 12", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,590.40 422.87	634.29
40 05 23 23-0919 EA 14", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,086.30 508.02	762.04
40 05 23 23-0920 EA 16", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,062.47 619.69	929.53
40 05 23 23-0921 EA 18", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	6,539.19 789.35	1,184.02
40 05 23 23-0922 EA 20", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	9,314.42 1,038.61	1,557.92
40 05 23 23-0923 EA 24", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	14,578.63 1,577.29	2,365.93
40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0834)		
40 05 23 23-0925 EA 3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	169.00 45.27	67.90
40 05 23 23-0926 EA 1", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	185.60 49.33	73.99
40 05 23 23-0927 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	203.70 54.68	82.03
40 05 23 23-0928 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	217.69 59.60	89.41
40 05 23 23-0929 EA 2", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	234.74 65.82	98.73
40 05 23 23-0930 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	313.73 82.25	123.37
40 05 23 23-0931 EA 3", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	339.73 93.63	140.45
40 05 23 23-0932 EA 4", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	393.36 109.72	164.58
40 05 23 23-0933 EA 6", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	535.58 139.69	209.52
40 05 23 23-0934 EA 8", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	841.28 202.97	304.46
40 05 23 23-0935 EA 10", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,124.44 253.72	380.58
40 05 23 23-0936 EA 12", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,429.20 338.29	507.43
40 05 23 23-0937 EA 14", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,061.52 444.01	666.01
40 05 23 23-0938 EA 16", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,374.63 505.99	758.99
40 05 23 23-0939 EA 18", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,164.41 634.29	951.44
40 05 23 23-0940 EA 20", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,288.97 845.73	1,268.60
40 05 23 23-0941 EA 24", Type 316, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	6,162.74 1,268.59	1,902.89
40 05 23 23-0942 EA 3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	203.68 45.27	67.90
40 05 23 23-0943 EA 1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	217.21 49.33	73.99
40 05 23 23-0944 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	251.01 54.68	82.03
40 05 23 23-0945 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	260.96 59.60	89.41
40 05 23 23-0946 EA 2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	280.77 65.82	98.73
40 05 23 23-0947 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	336.44 82.25	123.37
40 05 23 23-0948 EA 3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	428.40 93.63	140.45
40 05 23 23-0949 EA 4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	469.45 109.72	164.58
40 05 23 23-0950 EA 6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	660.46 139.69	209.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0951 EA 8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	934.73	304.46
For Work In Restricted Working Space, Add	202.97	
40 05 23 23-0952 EA 10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,329.88	380.58
For Work In Restricted Working Space, Add	253.72	
40 05 23 23-0953 EA 12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,840.12	507.43
For Work In Restricted Working Space, Add	338.29	
40 05 23 23-0954 EA 14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,751.90	666.01
For Work In Restricted Working Space, Add	444.01	
40 05 23 23-0955 EA 16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	3,169.40	758.99
For Work In Restricted Working Space, Add	505.99	
40 05 23 23-0956 EA 18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	4,250.87	951.44
For Work In Restricted Working Space, Add	634.29	
40 05 23 23-0957 EA 20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	5,471.03	1,268.60
For Work In Restricted Working Space, Add	845.73	
40 05 23 23-0958 EA 24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	8,202.12	1,902.89
For Work In Restricted Working Space, Add	1,268.59	
40 05 23 23-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0834)		
40 05 23 23-0960 EA 1/2", Type 316, Schedule 40 Stainless Steel Cap	92.24	35.16
For Work In Restricted Working Space, Add	23.44	
40 05 23 23-0961 EA 3/4", Type 316, Schedule 40 Stainless Steel Cap	100.73	37.32
For Work In Restricted Working Space, Add	24.88	
40 05 23 23-0962 EA 1", Type 316, Schedule 40 Stainless Steel Cap	111.40	41.01
For Work In Restricted Working Space, Add	27.35	
40 05 23 23-0963 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Cap	126.78	44.70
For Work In Restricted Working Space, Add	29.80	
40 05 23 23-0964 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Cap	126.59	49.36
For Work In Restricted Working Space, Add	32.91	
40 05 23 23-0965 EA 2", Type 316, Schedule 40 Stainless Steel Cap	143.21	54.91
For Work In Restricted Working Space, Add	36.61	
40 05 23 23-0966 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Cap	179.63	70.30
For Work In Restricted Working Space, Add	46.86	
40 05 23 23-0967 EA 3", Type 316, Schedule 40 Stainless Steel Cap	206.70	82.39
For Work In Restricted Working Space, Add	54.92	
40 05 23 23-0968 EA 4", Type 316, Schedule 40 Stainless Steel Cap	253.18	98.60
For Work In Restricted Working Space, Add	65.74	
40 05 23 23-0969 EA 6", Type 316, Schedule 40 Stainless Steel Cap	347.79	123.37
For Work In Restricted Working Space, Add	82.25	
40 05 23 23-0970 EA 8", Type 316, Schedule 40 Stainless Steel Cap	557.41	190.29
For Work In Restricted Working Space, Add	126.86	
40 05 23 23-0971 EA 10", Type 316, Schedule 40 Stainless Steel Cap	747.40	253.72
For Work In Restricted Working Space, Add	169.14	
40 05 23 23-0972 EA 12", Type 316, Schedule 40 Stainless Steel Cap	1,114.81	380.57
For Work In Restricted Working Space, Add	253.72	
40 05 23 23-0973 EA 14", Type 316, Schedule 40 Stainless Steel Cap	1,272.11	444.01
For Work In Restricted Working Space, Add	296.01	
40 05 23 23-0974 EA 16", Type 316, Schedule 40 Stainless Steel Cap	1,430.48	506.47
For Work In Restricted Working Space, Add	337.65	
40 05 23 23-0975 EA 18", Type 316, Schedule 40 Stainless Steel Cap	1,824.74	634.29
For Work In Restricted Working Space, Add	422.87	
40 05 23 23-0976 EA 20", Type 316, Schedule 40 Stainless Steel Cap	2,509.36	888.01
For Work In Restricted Working Space, Add	592.01	
40 05 23 23-0977 EA 24", Type 316, Schedule 40 Stainless Steel Cap	3,867.25	1,268.59
For Work In Restricted Working Space, Add	845.73	
40 05 23 23-0978 Valves (40 05 23 23-0231)		
40 05 23 23-0979 Gate Valves, Class 150 (40 05 23 23-0978)		
40 05 23 23-0980 EA 1/2" Gate Valve, Stainless Steel, Flanged	540.54	70.66
For Work In Restricted Working Space, Add	26.50	
For Class 200, Deduct	-120.97	
For Class 300, Add	425.09	
40 05 23 23-0981 EA 3/4" Gate Valve, Stainless Steel, Flanged	589.83	73.60
For Work In Restricted Working Space, Add	30.92	
For Class 200, Deduct	-130.21	
For Class 300, Add	457.57	
40 05 23 23-0982 EA 1" Gate Valve, Stainless Steel, Flanged	731.14	110.41
For Work In Restricted Working Space, Add	41.66	
For Class 200, Deduct	-158.43	
For Class 300, Add	556.73	
40 05 23 23-0983 EA 1-1/4" Gate Valve, Stainless Steel, Flanged	916.49	128.80
For Work In Restricted Working Space, Add	48.00	
For Class 200, Deduct	-202.36	
For Class 300, Add	711.09	
40 05 23 23-0984 EA 1-1/2" Gate Valve, Stainless Steel, Flanged	1,041.25	162.14
For Work In Restricted Working Space, Add	60.80	
For Class 200, Deduct	-224.32	
For Class 300, Add	788.27	
40 05 23 23-0985 EA 2" Gate Valve, Stainless Steel, Flanged	1,237.74	196.23
For Work In Restricted Working Space, Add	73.61	
For Class 200, Deduct	-265.46	
For Class 300, Add	932.85	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0986 EA 2-1/2" Gate Valve, Stainless Steel, Flanged	1,748.21	213.45
For Work In Restricted Working Space, Add	80.29	
For Class 300, Add	1,391.74	
40 05 23 23-0987 EA 3" Gate Valve, Stainless Steel, Flanged	1,973.18	250.26
For Work In Restricted Working Space, Add	93.96	
For Class 300, Add	1,560.38	
40 05 23 23-0988 EA 4" Gate Valve, Stainless Steel, Flanged	2,649.25	419.54
For Work In Restricted Working Space, Add	157.72	
For Class 300, Add	1,996.10	
40 05 23 23-0989 EA 6" Gate Valve, Stainless Steel, Flanged	4,355.98	529.95
For Work In Restricted Working Space, Add	199.44	
For Class 300, Add	3,469.70	
40 05 23 23-0990 EA 8" Gate Valve, Stainless Steel, Flanged	9,288.03	677.15
For Work In Restricted Working Space, Add	252.35	
For Class 300, Add	7,940.04	
40 05 23 23-0991 EA 10" Gate Valve, Stainless Steel, Flanged	13,035.12	824.36
For Work In Restricted Working Space, Add	309.14	
For Class 300, Add	11,284.39	
40 05 23 23-0992 EA 12" Gate Valve, Stainless Steel, Flanged	19,518.68	1,001.00
For Work In Restricted Working Space, Add	374.71	
For Class 300, Add	17,173.47	
40 05 23 23-0993 Globe Valves, Class 150 (40 05 23 23-0978)		
40 05 23 23-0994 EA 1/2" Globe Valve, Stainless Steel, Flanged.....	727.14	70.66
For Work In Restricted Working Space, Add	26.50	
For Class 200, Deduct	-170.88	
For Class 300, Add	600.49	
40 05 23 23-0995 EA 3/4" Globe Valve, Stainless Steel, Flanged.....	806.68	73.60
For Work In Restricted Working Space, Add	30.92	
For Class 200, Deduct	-188.22	
For Class 300, Add	661.41	
40 05 23 23-0996 EA 1" Globe Valve, Stainless Steel, Flanged.....	1,009.14	110.41
For Work In Restricted Working Space, Add	41.66	
For Class 200, Deduct	-232.80	
For Class 300, Add	818.05	
40 05 23 23-0997 EA 1-1/2" Globe Valve, Stainless Steel, Flanged	1,498.83	162.14
For Work In Restricted Working Space, Add	60.80	
For Class 200, Deduct	-346.72	
For Class 300, Add	1,218.39	
40 05 23 23-0998 EA 2" Globe Valve, Stainless Steel, Flanged.....	1,828.52	196.23
For Work In Restricted Working Space, Add	73.61	
For Class 200, Deduct	-423.50	
For Class 300, Add	1,488.18	
40 05 23 23-0999 EA 2-1/2" Globe Valve, Stainless Steel, Flanged	3,600.64	213.45
For Work In Restricted Working Space, Add	80.29	
For Class 300, Add	3,133.02	
40 05 23 23-1000 EA 3" Globe Valve, Stainless Steel, Flanged.....	3,738.78	250.26
For Work In Restricted Working Space, Add	93.96	
For Class 300, Add	3,220.05	
40 05 23 23-1001 EA 4" Globe Valve, Stainless Steel, Flanged.....	4,506.81	419.54
For Work In Restricted Working Space, Add	157.72	
For Class 300, Add	3,742.21	
40 05 23 23-1002 EA 6" Globe Valve, Stainless Steel, Flanged.....	8,210.33	529.95
For Work In Restricted Working Space, Add	199.44	
For Class 300, Add	7,092.79	
40 05 23 23-1003 Check Valves, Class 150 (40 05 23 23-0978)		
40 05 23 23-1004 EA 2-1/2" Check Valve, Stainless Steel, Flanged.....	1,677.16	213.45
For Work In Restricted Working Space, Add	80.29	
For Class 300, Add	1,324.95	
40 05 23 23-1005 EA 3" Check Valve, Stainless Steel, Flanged.....	1,766.67	250.26
For Work In Restricted Working Space, Add	93.96	
For Class 300, Add	1,366.26	
40 05 23 23-1006 EA 4" Check Valve, Stainless Steel, Flanged.....	2,787.77	419.54
For Work In Restricted Working Space, Add	157.72	
For Class 300, Add	2,126.31	
40 05 23 23-1007 EA 6" Check Valve, Stainless Steel, Flanged.....	4,707.59	529.95
For Work In Restricted Working Space, Add	199.44	
For Class 300, Add	3,800.21	
40 05 23 23-1008 EA 8" Check Valve, Stainless Steel, Flanged.....	8,156.69	677.15
For Work In Restricted Working Space, Add	252.35	
For Class 300, Add	6,876.58	
40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings (40 05 23 23-0231)		
40 05 23 23-1010 EA 1/2", Stainless Steel Thread-o-let Fitting.....	109.80	42.73
For Work In Restricted Working Space, Add	28.49	
40 05 23 23-1011 EA 3/4", Stainless Steel Thread-o-let Fitting.....	145.16	56.98
For Work In Restricted Working Space, Add	37.99	
40 05 23 23-1012 EA 1", Stainless Steel Thread-o-let Fitting.....	179.08	70.66
For Work In Restricted Working Space, Add	47.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1013 EA 1-1/4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	256.43 66.66	99.98
40 05 23 23-1014 EA 1-1/2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	284.79 75.17	112.76
40 05 23 23-1015 EA 2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	357.27 95.49	143.24
40 05 23 23-1016 EA 2-1/2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	621.43 147.21	220.81
40 05 23 23-1017 EA 3", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	825.72 187.92	281.89
40 05 23 23-1018 EA 4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	1,079.91 235.53	353.29
40 05 23 23-1019 Stainless Steel Flanges <small>(40 05 23 23-0231)</small>		
40 05 23 23-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange <small>(40 05 23 23-1019)</small>		
40 05 23 23-1021 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	94.54 14.25	23.75
40 05 23 23-1022 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	115.59 18.99	31.66
40 05 23 23-1023 EA 1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	137.07 23.55	39.26
40 05 23 23-1024 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	185.33 33.33	55.56
40 05 23 23-1025 EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	199.52 37.58	62.64
40 05 23 23-1026 EA 2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	256.41 47.75	79.56
40 05 23 23-1027 EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	381.27 73.61	122.62
40 05 23 23-1028 EA 3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	455.40 93.96	250.26
40 05 23 23-1029 EA 4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	587.03 117.77	196.23
40 05 23 23-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange <small>(40 05 23 23-1019)</small>		
40 05 23 23-1031 EA 1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	121.73 14.25	23.75
40 05 23 23-1032 EA 3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	137.55 18.99	31.66
40 05 23 23-1033 EA 1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	152.75 23.55	39.26
40 05 23 23-1034 EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	225.09 33.33	55.56
40 05 23 23-1035 EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	239.28 37.58	62.64
40 05 23 23-1036 EA 2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	297.18 47.75	79.56
40 05 23 23-1037 EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	472.25 73.61	122.62
40 05 23 23-1038 EA 3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	548.44 93.96	250.26
40 05 23 23-1039 EA 4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	730.29 117.77	196.23
40 05 23 23-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange <small>(40 05 23 23-1019)</small>		
40 05 23 23-1041 EA 1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	125.18 23.44	35.15
40 05 23 23-1042 EA 3/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	135.21 24.88	37.32
40 05 23 23-1043 EA 1", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	151.78 27.35	41.01
40 05 23 23-1044 EA 1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	186.23 29.83	44.72
40 05 23 23-1045 EA 1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	196.39 32.87	49.30
40 05 23 23-1046 EA 2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	218.28 36.62	54.93
40 05 23 23-1047 EA 2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	301.46 46.83	70.24
40 05 23 23-1048 EA 3", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	341.69 54.83	82.23
40 05 23 23-1049 EA 4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	440.64 65.69	98.53
40 05 23 23-1050 EA 6", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	656.26 82.08	123.11
40 05 23 23-1051 EA 8", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,071.07 126.86	190.29
40 05 23 23-1052 EA 10", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,520.45 169.14	253.71

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1053 EA 12", 150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,338.69 253.72	380.57
40 05 23 23-1054 EA 14", 150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,926.80 296.01	444.01
40 05 23 23-1055 EA 16", 150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	3,657.21 337.65	506.47
40 05 23 23-1056 EA 18", 150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	4,485.04 422.87	634.29
40 05 23 23-1057 EA 20", 150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	5,804.96 592.01	888.01
40 05 23 23-1058 EA 24", 150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	8,248.82 845.73	1,268.59
40 05 23 23-1059 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1060 EA 1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	157.60 23.44	35.15
40 05 23 23-1061 EA 3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	162.40 24.88	37.32
40 05 23 23-1062 EA 1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	170.63 27.35	41.01
40 05 23 23-1063 EA 1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	222.77 29.83	44.72
40 05 23 23-1064 EA 1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	232.93 32.87	49.30
40 05 23 23-1065 EA 2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	249.64 36.62	54.93
40 05 23 23-1066 EA 2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	355.79 46.83	70.24
40 05 23 23-1067 EA 3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	402.31 54.83	82.23
40 05 23 23-1068 EA 4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	582.78 65.69	98.53
40 05 23 23-1069 EA 6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	817.25 82.08	123.11
40 05 23 23-1070 EA 8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,472.54 126.86	190.29
40 05 23 23-1071 EA 10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,050.54 169.14	253.71
40 05 23 23-1072 EA 12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	3,012.04 253.72	380.57
40 05 23 23-1073 EA 14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	3,991.22 296.01	444.01
40 05 23 23-1074 EA 16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	4,930.13 337.65	506.47
40 05 23 23-1075 EA 18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	6,297.65 422.87	634.29
40 05 23 23-1076 EA 20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	8,124.11 592.01	888.01
40 05 23 23-1077 EA 24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	11,830.62 845.73	1,268.59
40 05 23 23-1078 150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1079 EA 1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	198.07 46.88	70.31
40 05 23 23-1080 EA 3/4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	208.75 49.76	74.62
40 05 23 23-1081 EA 1", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	229.35 54.69	82.03
40 05 23 23-1082 EA 1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	262.62 59.65	89.47
40 05 23 23-1083 EA 1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	282.95 65.75	98.62
40 05 23 23-1084 EA 2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	326.77 73.24	109.85
40 05 23 23-1085 EA 2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	428.25 93.66	140.48
40 05 23 23-1086 EA 3", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	489.96 109.65	164.47
40 05 23 23-1087 EA 4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	607.34 131.39	197.08
40 05 23 23-1088 EA 6", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	805.44 164.15	246.22
40 05 23 23-1089 EA 8", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,334.00 253.72	380.57
40 05 23 23-1090 EA 10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,885.63 338.29	507.43
40 05 23 23-1091 EA 12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,811.20 507.44	761.14
40 05 23 23-1092 300#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1093 EA 1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange	218.98	70.31
<i>For Work In Restricted Working Space, Add</i>	46.88	
40 05 23 23-1094 EA 3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	228.60	74.62
<i>For Work In Restricted Working Space, Add</i>	49.76	
40 05 23 23-1095 EA 1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	245.03	82.03
<i>For Work In Restricted Working Space, Add</i>	54.69	
40 05 23 23-1096 EA 1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	295.04	89.47
<i>For Work In Restricted Working Space, Add</i>	59.65	
40 05 23 23-1097 EA 1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	315.37	98.62
<i>For Work In Restricted Working Space, Add</i>	65.75	
40 05 23 23-1098 EA 2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	348.68	109.85
<i>For Work In Restricted Working Space, Add</i>	73.24	
40 05 23 23-1099 EA 2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	509.83	140.48
<i>For Work In Restricted Working Space, Add</i>	93.66	
40 05 23 23-1100 EA 3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	571.49	164.47
<i>For Work In Restricted Working Space, Add</i>	109.65	
40 05 23 23-1101 EA 4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	720.24	197.08
<i>For Work In Restricted Working Space, Add</i>	131.39	
40 05 23 23-1102 EA 6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,124.32	246.22
<i>For Work In Restricted Working Space, Add</i>	164.15	
40 05 23 23-1103 EA 8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,656.00	380.57
<i>For Work In Restricted Working Space, Add</i>	253.72	
40 05 23 23-1104 EA 10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	2,404.21	507.43
<i>For Work In Restricted Working Space, Add</i>	338.29	
40 05 23 23-1105 EA 12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	3,478.26	761.14
<i>For Work In Restricted Working Space, Add</i>	507.44	
40 05 23 23-1106 150#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)		
40 05 23 23-1107 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	75.87	14.05
<i>For Work In Restricted Working Space, Add</i>	9.38	
40 05 23 23-1108 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	79.16	14.92
<i>For Work In Restricted Working Space, Add</i>	9.95	
40 05 23 23-1109 EA 1", 150#, Type 304 Stainless Steel Raised Face Blind Flange	85.62	16.39
<i>For Work In Restricted Working Space, Add</i>	10.94	
40 05 23 23-1110 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	110.64	18.26
<i>For Work In Restricted Working Space, Add</i>	12.17	
40 05 23 23-1111 EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	124.90	24.68
<i>For Work In Restricted Working Space, Add</i>	16.45	
40 05 23 23-1112 EA 2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	147.67	27.38
<i>For Work In Restricted Working Space, Add</i>	18.26	
40 05 23 23-1113 EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	201.62	35.22
<i>For Work In Restricted Working Space, Add</i>	23.48	
40 05 23 23-1114 EA 3", 150#, Type 304 Stainless Steel Raised Face Blind Flange	245.59	49.34
<i>For Work In Restricted Working Space, Add</i>	32.90	
40 05 23 23-1115 EA 4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	373.02	82.22
<i>For Work In Restricted Working Space, Add</i>	54.82	
40 05 23 23-1116 EA 6", 150#, Type 304 Stainless Steel Raised Face Blind Flange	513.07	105.73
<i>For Work In Restricted Working Space, Add</i>	70.49	
40 05 23 23-1117 EA 8", 150#, Type 304 Stainless Steel Raised Face Blind Flange	772.30	118.40
<i>For Work In Restricted Working Space, Add</i>	78.94	
40 05 23 23-1118 EA 10", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,200.24	142.08
<i>For Work In Restricted Working Space, Add</i>	94.72	
40 05 23 23-1119 EA 12", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,591.77	177.60
<i>For Work In Restricted Working Space, Add</i>	118.40	
40 05 23 23-1120 EA 14", 150#, Type 304 Stainless Steel Raised Face Blind Flange	2,024.72	222.00
<i>For Work In Restricted Working Space, Add</i>	148.00	
40 05 23 23-1121 EA 16", 150#, Type 304 Stainless Steel Raised Face Blind Flange	2,622.95	253.24
<i>For Work In Restricted Working Space, Add</i>	168.83	
40 05 23 23-1122 EA 18", 150#, Type 304 Stainless Steel Raised Face Blind Flange	3,095.49	317.15
<i>For Work In Restricted Working Space, Add</i>	211.43	
40 05 23 23-1123 EA 20", 150#, Type 304 Stainless Steel Raised Face Blind Flange	4,104.53	444.01
<i>For Work In Restricted Working Space, Add</i>	296.01	
40 05 23 23-1124 EA 24", 150#, Type 304 Stainless Steel Raised Face Blind Flange	5,981.64	634.29
<i>For Work In Restricted Working Space, Add</i>	422.87	
40 05 23 23-1125 300#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)		
40 05 23 23-1126 EA 1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	97.15	14.05
<i>For Work In Restricted Working Space, Add</i>	9.38	
40 05 23 23-1127 EA 3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	99.07	14.92
<i>For Work In Restricted Working Space, Add</i>	9.95	
40 05 23 23-1128 EA 1", 300#, Type 304 Stainless Steel Raised Face Blind Flange	102.36	16.39
<i>For Work In Restricted Working Space, Add</i>	10.94	
40 05 23 23-1129 EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	130.49	18.26
<i>For Work In Restricted Working Space, Add</i>	12.17	
40 05 23 23-1130 EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	144.75	24.68
<i>For Work In Restricted Working Space, Add</i>	16.45	
40 05 23 23-1131 EA 2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	158.12	27.38
<i>For Work In Restricted Working Space, Add</i>	18.26	
40 05 23 23-1132 EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	274.80	35.22
<i>For Work In Restricted Working Space, Add</i>	23.48	
40 05 23 23-1133 EA 3", 300#, Type 304 Stainless Steel Raised Face Blind Flange	314.07	49.34
<i>For Work In Restricted Working Space, Add</i>	32.90	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1134 EA 4", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	458.72 54.82	82.22
40 05 23 23-1135 EA 6", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	866.42 70.49	105.73
40 05 23 23-1136 EA 8", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,194.68 78.94	118.40
40 05 23 23-1137 EA 10", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,714.59 94.72	142.08
40 05 23 23-1138 EA 12", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,381.13 118.40	177.60
40 05 23 23-1139 EA 14", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,341.28 148.00	222.00
40 05 23 23-1140 EA 16", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,285.16 168.83	253.24
40 05 23 23-1141 EA 18", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	5,597.08 211.43	317.15
40 05 23 23-1142 EA 20", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	7,072.53 296.01	444.01
40 05 23 23-1143 EA 24", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	10,863.28 422.87	634.29
40 05 23 23-1144 150#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
40 05 23 23-1145 EA 1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	113.39 14.25	23.75
40 05 23 23-1146 EA 3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	139.66 18.99	31.66
40 05 23 23-1147 EA 1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	160.04 23.55	39.26
40 05 23 23-1148 EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	219.81 33.33	55.56
40 05 23 23-1149 EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	234.00 37.58	62.64
40 05 23 23-1150 EA 2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	294.06 47.75	79.56
40 05 23 23-1151 EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	435.65 73.61	122.62
40 05 23 23-1152 EA 3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	525.47 93.96	250.26
40 05 23 23-1153 EA 4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	685.30 117.77	196.23
40 05 23 23-1154 300#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
40 05 23 23-1155 EA 1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	148.93 14.25	23.75
40 05 23 23-1156 EA 3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	164.75 18.99	31.66
40 05 23 23-1157 EA 1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	179.95 23.55	39.26
40 05 23 23-1158 EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	277.37 33.33	55.56
40 05 23 23-1159 EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	291.56 37.58	62.64
40 05 23 23-1160 EA 2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	343.17 47.75	79.56
40 05 23 23-1161 EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	575.74 73.61	122.62
40 05 23 23-1162 EA 3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	654.05 93.96	250.26
40 05 23 23-1163 EA 4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	898.57 117.77	196.23
40 05 23 23-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1165 EA 1/2", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	149.20 23.44	35.15
40 05 23 23-1166 EA 3/4", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	159.28 24.88	37.32
40 05 23 23-1167 EA 1", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	178.97 27.35	41.01
40 05 23 23-1168 EA 1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	221.77 29.83	44.72
40 05 23 23-1169 EA 1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	231.93 32.87	49.30
40 05 23 23-1170 EA 2", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	254.87 36.62	54.93
40 05 23 23-1171 EA 2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	363.08 46.83	70.24
40 05 23 23-1172 EA 3", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	397.08 54.83	82.23
40 05 23 23-1173 EA 4", 150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	534.73 65.69	98.53



Process Interconnections	40
Common Work Results For Process Interconnections	
Stainless Steel Process Pipe and Tubing	40 05 23

40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1174 EA 6", 150#, Type 316 Stainless Steel Weld Neck Flange.....	819.36	123.11
<i>For Work In Restricted Working Space, Add</i>	82.08	
40 05 23 23-1175 EA 8", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,323.05	190.29
<i>For Work In Restricted Working Space, Add</i>	126.86	
40 05 23 23-1176 EA 10", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,940.76	253.71
<i>For Work In Restricted Working Space, Add</i>	169.14	
40 05 23 23-1177 EA 12", 150#, Type 316 Stainless Steel Weld Neck Flange.....	2,893.92	380.57
<i>For Work In Restricted Working Space, Add</i>	253.72	
40 05 23 23-1178 EA 14", 150#, Type 316 Stainless Steel Weld Neck Flange.....	3,386.64	444.01
<i>For Work In Restricted Working Space, Add</i>	296.01	
40 05 23 23-1179 EA 16", 150#, Type 316 Stainless Steel Weld Neck Flange.....	4,257.27	506.47
<i>For Work In Restricted Working Space, Add</i>	337.65	
40 05 23 23-1180 EA 18", 150#, Type 316 Stainless Steel Weld Neck Flange.....	5,213.99	634.29
<i>For Work In Restricted Working Space, Add</i>	422.87	
40 05 23 23-1181 EA 20", 150#, Type 316 Stainless Steel Weld Neck Flange.....	6,713.12	888.01
<i>For Work In Restricted Working Space, Add</i>	592.01	
40 05 23 23-1182 EA 24", 150#, Type 316 Stainless Steel Weld Neck Flange.....	9,535.76	1,268.59
<i>For Work In Restricted Working Space, Add</i>	845.73	
40 05 23 23-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1184 EA 1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	188.96	35.15
<i>For Work In Restricted Working Space, Add</i>	23.44	
40 05 23 23-1185 EA 3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	193.76	37.32
<i>For Work In Restricted Working Space, Add</i>	24.88	
40 05 23 23-1186 EA 1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	201.99	41.01
<i>For Work In Restricted Working Space, Add</i>	27.35	
40 05 23 23-1187 EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	265.70	44.72
<i>For Work In Restricted Working Space, Add</i>	29.83	
40 05 23 23-1188 EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	275.86	49.30
<i>For Work In Restricted Working Space, Add</i>	32.87	
40 05 23 23-1189 EA 2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	301.92	54.93
<i>For Work In Restricted Working Space, Add</i>	36.62	
40 05 23 23-1190 EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	445.72	70.24
<i>For Work In Restricted Working Space, Add</i>	46.83	
40 05 23 23-1191 EA 3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	487.00	82.23
<i>For Work In Restricted Working Space, Add</i>	54.83	
40 05 23 23-1192 EA 4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	739.61	98.53
<i>For Work In Restricted Working Space, Add</i>	65.69	
40 05 23 23-1193 EA 6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	1,205.15	123.11
<i>For Work In Restricted Working Space, Add</i>	82.08	
40 05 23 23-1194 EA 8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	1,868.83	190.29
<i>For Work In Restricted Working Space, Add</i>	126.86	
40 05 23 23-1195 EA 10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	2,692.47	253.71
<i>For Work In Restricted Working Space, Add</i>	169.14	
40 05 23 23-1196 EA 12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	3,955.05	380.57
<i>For Work In Restricted Working Space, Add</i>	253.72	
40 05 23 23-1197 EA 14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	5,362.81	444.01
<i>For Work In Restricted Working Space, Add</i>	296.01	
40 05 23 23-1198 EA 16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	6,666.96	506.47
<i>For Work In Restricted Working Space, Add</i>	337.65	
40 05 23 23-1199 EA 18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	8,529.09	634.29
<i>For Work In Restricted Working Space, Add</i>	422.87	
40 05 23 23-1200 EA 20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	10,931.96	888.01
<i>For Work In Restricted Working Space, Add</i>	592.01	
40 05 23 23-1201 EA 24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	15,944.42	1,268.59
<i>For Work In Restricted Working Space, Add</i>	845.73	
40 05 23 23-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1203 EA 1/2", 150#, Type 316 Stainless Steel Slip-On Flange.....	210.64	70.31
<i>For Work In Restricted Working Space, Add</i>	46.88	
40 05 23 23-1204 EA 3/4", 150#, Type 316 Stainless Steel Slip-On Flange.....	227.60	74.62
<i>For Work In Restricted Working Space, Add</i>	49.76	
40 05 23 23-1205 EA 1", 150#, Type 316 Stainless Steel Slip-On Flange.....	250.94	82.03
<i>For Work In Restricted Working Space, Add</i>	54.69	
40 05 23 23-1206 EA 1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange.....	341.40	89.47
<i>For Work In Restricted Working Space, Add</i>	59.65	
40 05 23 23-1207 EA 1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange.....	308.03	98.62
<i>For Work In Restricted Working Space, Add</i>	65.75	
40 05 23 23-1208 EA 2", 150#, Type 316 Stainless Steel Slip-On Flange.....	333.00	109.85
<i>For Work In Restricted Working Space, Add</i>	73.24	
40 05 23 23-1209 EA 2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange.....	424.08	140.48
<i>For Work In Restricted Working Space, Add</i>	93.66	
40 05 23 23-1210 EA 3", 150#, Type 316 Stainless Steel Slip-On Flange.....	525.49	164.47
<i>For Work In Restricted Working Space, Add</i>	109.65	
40 05 23 23-1211 EA 4", 150#, Type 316 Stainless Steel Slip-On Flange.....	682.59	197.08
<i>For Work In Restricted Working Space, Add</i>	131.39	
40 05 23 23-1212 EA 6", 150#, Type 316 Stainless Steel Slip-On Flange.....	917.28	246.22
<i>For Work In Restricted Working Space, Add</i>	164.15	
40 05 23 23-1213 EA 8", 150#, Type 316 Stainless Steel Slip-On Flange.....	1,565.02	380.57
<i>For Work In Restricted Working Space, Add</i>	253.72	
40 05 23 23-1214 EA 10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	2,201.40	507.43
<i>For Work In Restricted Working Space, Add</i>	338.29	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1215	EA		12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	3,233.57 507.44	761.14
40 05 23 23-1216			300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1217	EA		1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	239.89 46.88	70.31
40 05 23 23-1218	EA		3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	249.51 49.76	74.62
40 05 23 23-1219	EA		1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	265.94 54.69	82.03
40 05 23 23-1220	EA		1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	335.80 59.65	89.47
40 05 23 23-1221	EA		1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	356.13 65.75	98.62
40 05 23 23-1222	EA		2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	387.23 73.24	109.85
40 05 23 23-1223	EA		2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	600.76 93.66	140.48
40 05 23 23-1224	EA		3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	664.53 109.65	164.47
40 05 23 23-1225	EA		4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	864.50 131.39	197.08
40 05 23 23-1226	EA		6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,334.48 164.15	246.22
40 05 23 23-1227	EA		8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,872.44 253.72	380.57
40 05 23 23-1228	EA		10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	3,108.87 338.29	507.43
40 05 23 23-1229	EA		12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	4,099.28 507.44	761.14
40 05 23 23-1230			150#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)		
40 05 23 23-1231	EA		1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	85.64 9.38	14.05
40 05 23 23-1232	EA		3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	96.96 9.95	14.92
40 05 23 23-1233	EA		1", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	109.65 10.94	16.39
40 05 23 23-1234	EA		1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	129.44 12.17	18.26
40 05 23 23-1235	EA		1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	143.70 16.45	24.68
40 05 23 23-1236	EA		2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	179.03 18.26	27.38
40 05 23 23-1237	EA		2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	250.78 23.48	35.22
40 05 23 23-1238	EA		3", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	299.97 32.90	49.34
40 05 23 23-1239	EA		4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	465.01 54.82	82.22
40 05 23 23-1240	EA		6", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	660.49 70.49	105.73
40 05 23 23-1241	EA		8", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,124.61 78.94	118.40
40 05 23 23-1242	EA		10", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,478.35 94.72	142.08
40 05 23 23-1243	EA		12", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,393.70 118.40	177.60
40 05 23 23-1244	EA		14", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,845.75 148.00	222.00
40 05 23 23-1245	EA		16", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,727.50 168.83	253.24
40 05 23 23-1246	EA		18", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,377.24 211.43	317.15
40 05 23 23-1247	EA		20", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	5,776.12 296.01	444.01
40 05 23 23-1248	EA		24", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	8,432.92 422.87	634.29
40 05 23 23-1249			300#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)		
40 05 23 23-1250	EA		1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	132.69 9.38	14.05
40 05 23 23-1251	EA		3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	134.61 9.95	14.92
40 05 23 23-1252	EA		1", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	137.90 10.94	16.39
40 05 23 23-1253	EA		1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	206.85 12.17	18.26
40 05 23 23-1254	EA		1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	221.11 16.45	24.68



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Stainless Steel Process Pipe and Tubing	40 05 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1255 EA 2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	244.88 18.26	27.38
40 05 23 23-1256 EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	408.66 23.48	35.22
40 05 23 23-1257 EA 3", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	450.52 32.90	49.34
40 05 23 23-1258 EA 4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	688.73 54.82	82.22
40 05 23 23-1259 EA 6", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,258.54 70.49	105.73
40 05 23 23-1260 EA 8", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,600.36 78.94	118.40
40 05 23 23-1261 EA 10", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,893.96 94.72	142.08
40 05 23 23-1262 EA 12", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,528.07 118.40	177.60
40 05 23 23-1263 EA 14", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	5,102.91 148.00	222.00
40 05 23 23-1264 EA 16", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	6,587.71 168.83	253.24
40 05 23 23-1265 EA 18", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	8,623.29 211.43	317.15
40 05 23 23-1266 EA 20", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	10,837.01 296.01	444.01
40 05 23 23-1267 EA 24", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	16,711.03 422.87	634.29
 40 05 23 23-1268 Type 316 Seamless Annealed Tubing <small>(40 05 23 23)</small> Note: For high pressure air (8000 PSIG working pressure).		
40 05 23 23-1269 Type 316 Seamless Annealed Tubing <small>(40 05 23 23-1268)</small>		
40 05 23 23-1270 LF 3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness.....	27.16	
40 05 23 23-1271 LF 1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness.....	33.73	
40 05 23 23-1272 LF 3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness.....	40.76	
 40 05 23 23-1273 Type 316 Seamless Annealed Tubing Fittings <small>(40 05 23 23-1268)</small> Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 23-1274 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	89.58	
40 05 23 23-1275 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	98.49	
40 05 23 23-1276 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	151.29	
40 05 23 23-1277 EA 3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	64.80	
40 05 23 23-1278 EA 3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	107.21	
40 05 23 23-1279 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	85.83	
40 05 23 23-1280 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	98.78	
40 05 23 23-1281 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	151.52	
40 05 23 23-1282 EA 1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	95.02	
40 05 23 23-1283 EA 1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	149.38	
40 05 23 23-1284 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	98.36	
40 05 23 23-1285 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	124.02	
40 05 23 23-1286 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	201.32	
40 05 23 23-1287 EA 3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	163.75	
40 05 23 23-1288 EA 3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	204.04	
 40 05 23 23-1289 Valves For High Pressure Air (5,000 PSIG) <small>(40 05 23 23-1268)</small>		
40 05 23 23-1290 Needle Valves <small>(40 05 23 23-1289)</small>		
40 05 23 23-1291 EA 3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	325.48	
40 05 23 23-1292 EA 1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	506.38	
 40 05 23 23-1293 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG <small>(40 05 23 23-1289)</small>		
40 05 23 23-1294 EA 1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction.....	309.87	
 40 05 23 23-1295 Other Valves Working Pressure 6,000 PSI <small>(40 05 23 23-1289)</small>		
40 05 23 23-1296 EA 1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG.....	1,222.56	
40 05 23 23-1297 EA 1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	321.52	
40 05 23 23-1298 EA Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element.....	71.06	

END OF SECTION 40

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 23 Stainless Steel Process Pipe and Tubing



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

THIS PAGE INTENTIONALLY LEFT BLANK



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

41 Material Processing and Handling Equipment

41 01 Operation and Maintenance of Material Processing and Handling Equipment⁽⁴¹⁾

41 01 20 Operation and Maintenance of Piece Material Handling Equipment^(41 01)

41 01 20 13 Operation And Maintenance Of Hoists Or Cranes^(41 01 20)

41 01 20 13-0001	Maintenance ^(41 01 20 13)		
41 01 20 13-0002	EA Regular Inspection	427.32	
41 01 20 13-0003	HR Hoist Or Crane Servicing, Labor Only	128.18	
41 01 20 13-0004	MO Hoist Or Crane Maintenance Contract	855.45	

41 20 Piece Material Handling Equipment⁽⁴¹⁾

41 22 Cranes and Hoists^(41 20)

41 22 23 Hoists^(41 22)

41 22 23 13 Fixed Hoists^(41 22 23)

41 22 23 13-0001 Air-Powered Chain Hoists^(41 22 23 13)

Note: Excludes beam.

41 22 23 13-0002	EA 500 LB Capacity, Air-Powered Chain Hoist	6,643.72	395.56
41 22 23 13-0003	EA 1,000 LB Capacity, Air-Powered Chain Hoist	6,720.68	395.56
41 22 23 13-0004	EA 2,000 LB Capacity, Air-Powered Chain Hoist	8,095.69	527.41
41 22 23 13-0005	EA 4,000 LB Capacity, Air-Powered Chain Hoist	10,224.23	659.26
41 22 23 13-0006	EA 6,000 LB Capacity, Air-Powered Chain Hoist	15,197.90	968.85
41 22 23 13-0007	EA 8,000 LB Capacity, Air-Powered Chain Hoist	17,550.26	1,170.19
41 22 23 13-0008	EA 10,000 LB Capacity, Air-Powered Chain Hoist	19,969.36	1,170.19

41 22 23 13-0010 Electric Hoists^(41 22 23 13)

41 22 23 13-0011 Electric Industrial Chain Hoists^(41 22 23 13-0010)

Note: Includes 20' of chain. Excludes beams.

41 22 23 13-0012	EA 500 LB Capacity, Electric Industrial Chain Hoist	3,745.55	382.37
	For DC Electrical Operated, Add	744.62	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0013	EA 1,000 LB Capacity, Electric Industrial Chain Hoist	3,908.56	382.37
	For DC Electrical Operated, Add	784.86	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0014	EA 2,000 LB Capacity, Electric Industrial Chain Hoist	4,319.13	382.37
	For DC Electrical Operated, Add	884.35	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0015	EA 3,000 LB Capacity, Electric Industrial Chain Hoist	6,503.27	395.56
	For DC Electrical Operated, Add	1,422.03	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0016	EA 4,000 LB Capacity, Electric Industrial Chain Hoist	5,607.09	395.56
	For DC Electrical Operated, Add	1,195.64	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0017	EA 5,000 LB Capacity, Electric Industrial Chain Hoist	8,010.77	408.74
	For DC Electrical Operated, Add	1,785.94	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0018	EA 6,000 LB Capacity, Electric Industrial Chain Hoist	7,249.24	448.30
	For DC Electrical Operated, Add	1,558.66	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0019	EA 7,500 LB Capacity, Electric Industrial Chain Hoist	8,960.63	553.78
	For DC Electrical Operated, Add	1,980.05	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0020	EA 10,000 LB Capacity, Electric Industrial Chain Hoist	10,590.28	568.07
	For DC Electrical Operated, Add	2,401.88	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0021	EA 15,000 LB Capacity, Electric Industrial Chain Hoist	17,046.40	592.77
	For DC Electrical Operated, Add	3,964.96	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0022	EA 20,000 LB Capacity, Electric Industrial Chain Hoist	20,426.42	617.46
	For DC Electrical Operated, Add	4,797.13	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0023	EA 25,000 LB Capacity, Electric Industrial Chain Hoist	28,270.24	642.16
	For DC Electrical Operated, Add	6,744.90	
	For Each LF Copper Conductor Bar, Add	10.50	
41 22 23 13-0024	EA 30,000 LB Capacity, Electric Industrial Chain Hoist	36,187.19	703.91
	For DC Electrical Operated, Add	8,693.11	
	For Each LF Copper Conductor Bar, Add	10.50	

41 Material Processing and Handling Equipment**41 20 Piece Material Handling Equipment****41 22 Cranes and Hoists**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23	13-0025		Hand Chain Hoists <small>(41 22 23 13)</small>		
41 22 23	13-0026	EA	1,000 LB Capacity, Hand Chain Hoist.....	1,758.86	160.53
41 22 23	13-0027	EA	2,000 LB Capacity, Hand Chain Hoist.....	2,071.14	162.73
41 22 23	13-0028	EA	3,000 LB Capacity, Hand Chain Hoist.....	2,778.42	170.43
41 22 23	13-0029	EA	4,000 LB Capacity, Hand Chain Hoist.....	3,126.43	172.62
41 22 23	13-0030	EA	5,000 LB Capacity, Hand Chain Hoist.....	3,771.85	181.42
41 22 23	13-0031	EA	6,000 LB Capacity, Hand Chain Hoist.....	4,224.51	212.20
41 22 23	13-0032	EA	10,000 LB Capacity, Hand Chain Hoist.....	5,854.24	218.81
41 22 23	13-0033	EA	16,000 LB Capacity, Hand Chain Hoist.....	7,643.96	263.88
41 22 23	13-0034	EA	20,000 LB Capacity, Hand Chain Hoist.....	9,334.75	275.98
41 22 23	13-0035	EA	30,000 LB Capacity, Hand Chain Hoist.....	16,444.47	315.56

END OF SECTION 41



Process Gas and Liquid Handling, Purification, and Storage Equipment	43	43
Liquid Handling Equipment	43 20	
Dry Location Liquid Pumps	43 23	

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

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 20 Liquid Handling Equipment ⁽⁴³⁾

43 23 Dry Location Liquid Pumps ^(43 20)

43 23 78 Controlled Volume Horizontal Reciprocating Pumps ^(43 23)

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps ^(43 23 78)

43 23 78 31-0001 Diaphragm Pump ^(43 23 78 31)

43 23 78 31-0002 EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI4,722.77

43 24 Suspended Liquid Pumps ^(43 20)

43 24 41 Archimedes Screw Pumps ^(43 24)

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps ^(43 24 41)

43 24 41 23-0001 Positive Displacement Pump ^(43 24 41 23)

43 24 41 23-0002 EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing3,897.11

43 40 Gas and Liquid Storage ⁽⁴³⁾

43 42 Pressurized Tanks And Vessels ^(43 40)

43 42 41 Metallic Specialty Pressure Tanks ^(43 42)

43 42 41 00-0001 L.P.G. Tanks With Regulator And Safety Controls ^(43 42 41)

43 42 41 00-0002	EA	250 Gallon Aboveground LP Gas Storage Tank.....	2,067.30	130.06
43 42 41 00-0003	EA	500 Gallon Aboveground LP Gas Storage Tank.....	3,825.46	195.08
43 42 41 00-0004	EA	1,000 Gallon Aboveground LP Gas Storage Tank.....	5,479.57	208.09

END OF SECTION 43

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 40 Gas and Liquid Storage

43 42 Pressurized Tanks And Vessels

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**

This Page Intentionally Left Blank

www.gordian.com
855.467.9444

30 Patewood Drive, Suite 350
Greenville, South Carolina 29615

G **RDIAN**®